# HAMPTON ROADS HAZARD MITIGATION PLAN

This Appendix provides a copy of the FEMA Region III, Local Hazard Mitigation Plan Review Crosswalk. This crosswalk documents which sections of the Plan contain the FEMA hazard mitigation planning requirements.

## LOCAL MITIGATION PLAN REVIEW TOOL +HHPD

The *Local Mitigation Plan Review Tool* demonstrates how the Local Mitigation Plan meets the regulation in 44 CFR §201.6 and offers States and FEMA Mitigation Planners an opportunity to provide feedback to the community.

- The <u>Regulation Checklist</u> provides a summary of FEMA's evaluation of whether the Plan has addressed all requirements.
- The <u>Plan Assessment</u> identifies the plan's strengths as well as documents areas for future improvement.
- The <u>Multi-jurisdiction Summary Sheet</u> is an optional worksheet that can be used to document how each jurisdiction met the requirements of each Element of the Plan (Planning Process; Hazard Identification and Risk Assessment; Mitigation Strategy; Plan Review, Evaluation, and Implementation; and Plan Adoption).

The FEMA Mitigation Planner must reference this *Local Mitigation Plan Review Guide* when completing the *Local Mitigation Plan Review Tool*.

Jurisdiction: HAMPTON ROADS, VIRGINIA	Title of Plan: HAMPTON ROAI MITIGATION PLA		Date of Plan: APRIL 2022 (EXPECTED)	
Local Point of Contact: JOHN SADLER Title: EMERGENCY MANAGEMENT ADMINISTRATOR		Address: HRPDC THE REGIONAL BUILDING 723 WOODLAKE DRIVE		
Agency: HAMPTON ROADS PLANNING DISTRICT COMMISSION		CHESAPEAKE VA	23320	
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State Reviewer:	Title:	Date:
Chris Bruce	VDEM Region 5 Planner	March 31, 2022
T.J. Rippon	VDEM Region 5 – Olson Group Consultant	March 25, 2022

FEMA Reviewer:	Title:	Date:
Shannon Burke	Community Planner	April 18, 2022, May 17, 2022
Joshua Norris	Hazard Mitigation Planner,	April, 28,2022
(Reviewed based on the FY21 HHPD	MD FIT	
eligibility requirements)		
Date Received in FEMA Region 4	First Submission: 4/19/2022; Se	cond Submission: 5/17/2022
Plan Not Approved	May 18, 2022	
Plan Approvable Pending Adoption		
Plan Approved		

#### SECTION 1: REGULATION CHECKLIST

**INSTRUCTIONS:** The Regulation Checklist must be completed by FEMA. The purpose of the Checklist is to identify the location of relevant or applicable content in the Plan by Element/sub-element and to determine if each requirement has been 'Met' or 'Not Met.' The 'Required Revisions' summary at the bottom of each Element must be completed by FEMA to provide a clear explanation of the revisions that are required for plan approval. Required revisions must be explained for each plan sub-element that is 'Not Met.' Sub-elements should be referenced in each summary by using the appropriate numbers (A1, B3, etc.), where applicable. Requirements for each Element and sub-element are described in detail in this *Plan Review Guide* in Section 4, Regulation Checklist.

1. REGULATION CHECKLIST Regulation (44 CFR § 201.6 Local Mitigation Plans)	Location in Plan (section and/or page number)	Met	Not Met
ELEMENT A. PLANNING PROCESS			
A1. Does the Plan document the planning process, including how it was prepared and who was involved in the process for each jurisdiction? (Requirement §201.6(c)(1))	Page 2.2, 2:13	x	
A2. Does the Plan document an opportunity for neighboring communities, local and regional agencies involved in hazard mitigation activities, agencies that have the authority to regulate development as well as other interests to be involved in the planning process? (Requirement §201.6(b)(2))	Page 2.11-2.12	x	
A3. Does the Plan document how the public was involved in the planning process during the drafting stage? (Requirement §201.6(b)(1))	Pages 2.9-2.11	x	
A4. Does the Plan describe the review and incorporation of existing plans, studies, reports, and technical information? (Requirement §201.6(b)(3))	Pages 2.6-2.8 Page 7.9	x	
A5. Is there discussion of how the community(ies) will continue public participation in the plan maintenance process? (Requirement §201.6(c)(4)(iii))	Pages 8.4-8.5	x	
A6. Is there a description of the method and schedule for keeping the plan current (monitoring, evaluating, and updating the mitigation plan within a 5-year cycle)? (Requirement §201.6(c)(4)(i))	Pages 8.1-8.4 Page 8.7	x	

1. REGULATION CHECKLIST	Location in Plan	Not
Regulation (44 CFR § 201.6 Local Mitigation Plans)	(section and/or page number) Me	Met
ELEMENT A: REQUIRED REVISIONS		

The plan is marked as, "Draft." FEMA will need a copy of the Approval Pending Adoption" version prior to final approval.

<u>A1</u>.

Participation in the plan by the Towns of Boykins, Branchville, Capron, Courtland, Ivor, Newsoms, Clermont and Dendron are unclear. The plan mentions Community-Specific Working Group Meetings, which are defined as consultant-facilitated brief, in-person meetings at the community level to discuss their final Mitigation Action Plan. (Page 2:11). Please include the dates, locations, and attendees of these meetings. The plan does not include a discussion of how the risk and vulnerability assessment were communicated to these communities in the facilitated meetings. Please include a discussion that how unique risks were communicated in these meetings. *Although the Planning Team and the PDC staff made multiple overtures to involve the towns in the plan, their participation is simply not demonstrated in the plan, which is required by the regulations.* 

Addressed.

#### ELEMENT B. HAZARD IDENTIFICATION AND RISK ASSESSMENT

B1. Does the Plan include a description of the type, location, and	Section 4		
extent of all natural hazards that can affect each jurisdiction(s)?		Х	
(Requirement §201.6(c)(2)(i))			
B2. Does the Plan include information on previous occurrences of	Section 4, with		
hazard events and on the probability of future hazard events for each	each hazard	Х	
jurisdiction? (Requirement §201.6(c)(2)(i))	subsection		
B3. Is there a description of each identified hazard's impact on the	Section 4		
community as well as an overall summary of the community's	Section 5	Х	
vulnerability for each jurisdiction? (Requirement §201.6(c)(2)(ii))			
B4. Does the Plan address NFIP insured structures within the	Page 5.8		
jurisdiction that have been repetitively damaged by floods?	Pages 5.9-5.14	Х	
(Requirement §201.6(c)(2)(ii))			

#### ELEMENT B: REQUIRED REVISIONS

B3.

The first three and a half pages replicate the 2017 plan, making the methodology difficult to discern. There is conflict between the hybrid methodology discussed on page 5:2 and the narrative on the Explanation of Potential Losses (page 5:24), where Level 1 Hazus data is used. For plans that receive FEMA funding, Hazus Level 2 analysis is required. Please run Hazus 2 for relevant hazards, using 2020 Census data along with other community supplied data. The plan indicates that some communities were performed at Level 2 but does not indicate which. Further, the plan does not assess riverine or stormwater flooding and the states that each hazard was assessed for the impacts of climate change but does not discuss how precipitation trends may affect flooding in the future. Note that Census data alone does not give specific output that is meaningful, and the plan mentions that the assessor's data used (among other community supplied data) was not sufficient for the vulnerability assessment.

#### <mark>Addressed</mark>.

Please include dates on maps.

#### Addressed.

B4.

1. REGULATION CHECKLIST	Location in Plan (section and/or		Not
Regulation (44 CFR § 201.6 Local Mitigation Plans) -Update Table 5.5, p. 5:12-5:13 with current Severe Repetitive Loss dat Properties" includes out of date information for several communities— losses, number of losses, average payment per claim. Some data hasn't from 2015. The absence of this data brings in to question the accuracy Area maps, which are not required. Since the Severe Repetitive Loss and provided by FEMA (4/29/22), current data must be integrated into the p the maps. Addressed.	number of properties, been provided and so of the NFIP Repetitive d Repetitive Loss data	value o ome data Loss Stu have bea	of a is udy en
ELEMENT C. MITIGATION STRATEGY			
C1. Does the plan document each jurisdiction's existing authorities, policies, programs and resources and its ability to expand on and improve these existing policies and programs? (Requirement §201.6(c)(3))	Page 6.3 Page 6.13 Page 6.15-6.17	x	
C2. Does the Plan address each jurisdiction's participation in the NFIP and continued compliance with NFIP requirements, as appropriate? (Requirement §201.6(c)(3)(ii))	Pages 4.6-4.9 Pages 5.9-5.10 Pages 6.7-6.8 Pages 6.9-6.12	×	
C3. Does the Plan include goals to reduce/avoid long-term vulnerabilities to the identified hazards? (Requirement §201.6(c)(3)(i))	Section 7	x	
C4. Does the Plan identify and analyze a comprehensive range of specific mitigation actions and projects for each jurisdiction being considered to reduce the effects of hazards, with emphasis on new and existing buildings and infrastructure? (Requirement §201.6(c)(3)(ii))	Page 7.2-7.9 Pages 7.24-288	x	
C5. Does the Plan contain an action plan that describes how the actions identified will be prioritized (including cost benefit review), implemented, and administered by each jurisdiction? (Requirement §201.6(c)(3)(iv)); (Requirement §201.6(c)(3)(iii))	Pages 7.10-7.12 Page 7.14 Pages 7.15-7.23	x	
C6. Does the Plan describe a process by which local governments will integrate the requirements of the mitigation plan into other planning mechanisms, such as comprehensive or capital improvement plans, when appropriate? (Requirement §201.6(c)(4)(ii))	Pages 8.1-8.2	x	
<u>ELEMENT C: RECOMMENDED REVISIONS</u> C1. Consider adding one or more mitigation actions for the Town of Capror is public education.	n, which only has one a	iction, w	/hich
ELEMENT D. PLAN REVIEW, EVALUATION, AND IMPLEMEN updates only)	TATION (applicable	to plan	
D1. Was the plan revised to reflect changes in development? (Requirement §201.6(d)(3))	Page 3.14-3.18 Page 3.24-3.26 Page 5.1-5.83 Page 6.7	x	

1. REGULATION CHECKLIST Regulation (44 CFR § 201.6 Local Mitigation Plans)	Location in Plan (section and/or page number)	Met	Not Met
D2. Was the plan revised to reflect progress in local mitigation	Page 6.1		
efforts? (Requirement §201.6(d)(3))	Pages 6.18-6.30 Appendix F	Х	
D3. Was the plan revised to reflect changes in priorities? (Requirement §201.6(d)(3))	Page 7.3	х	
ELEMENT D: REQUIRED REVISIONS D1. - This element refers to changes in demographics, both positive and development patterns and development pressures into the future. The Socioeconomic Forecast prepared by the Hampton Roads Transportation 2013 was used to show development trends from 2009 to 2040. More Update 2013 data to 2019 Transportation Analysis Zone Allocation data Socioeconomic Forecast and Transportation Analysis Zone Allocation Loo meet this element. It is available online.	ne Hampton Roads 204 on Planning Organizatio current information is a (Hampton Roads 204	0 on in Oo availab 5	le.
Addressed.			
ELEMENT E. PLAN ADOPTION			
E1. Does the Plan include documentation that the plan has been formally adopted by the governing body of the jurisdiction requesting approval? (Requirement §201.6(c)(5))	Appendix B - blank		
E2. For multi-jurisdictional plans, has each jurisdiction requesting approval of the plan documented formal plan adoption? (Requirement §201.6(c)(5))	Appendix B - blank		
ELEMENT E: REQUIRED REVISIONS ALL DAM RISKS - ELIGIBLE HIGH HAZARD POTENTIAL DAM	s		
HHPD1. Did Element A4 (planning process) describe the incorporation	Section 2, p. 2:7 –	1	[
of existing plans, studies, reports, and technical information for eligible high hazard potential dams?	2:8 Section 4, p. 4:27 and Table 4.4 Section 5, p. 5:29 Appendix H	x	
HHPD2. Did Element B3 (risk assessment) address eligible high hazard potential dams in the risk assessment?	Section 4, p. 4:27 and Table 4.4 Section 5, p. 5:29	x	
HHPD3. Did Element C3 (mitigation goals) include mitigation goals to reduce long-term vulnerabilities from eligible high hazard potential dams that pose an unacceptable risk to the public?	Section 7, p. 7:3, Goal 1, Objective 1.3	x	
HHPD4. Did Elements C4-C5 (mitigation actions) prioritize mitigation actions to reduce vulnerabilities from eligible high hazard potential dams?	Section 7: Page 7.20 Page 7.49 Page 7.51 Page 7.82 Page 7.165 Page 7.216	X	

1. REGULATION CHECKLIST	Location in Plan (section and/or		Not
Regulation (44 CFR § 201.6 Local Mitigation Plans)	page number)	Met	Met
<b>RECOMMENDED REVISIONS (Required to Meet HHPD/All Dam Risl</b>	k Requirements)		

**HHPD2:** The plan does not provide a summary description of all dam risk, which consists of incremental, non-breach, and residual risk. To meet this requirement, please add narrative describing incremental, non-breach, and residual risk with respect to at least Hampton Roads PDC 23 eligible high hazard potential dams. If insufficient information is available to describe non-breach and residual risk in PDC 23, please add language explaining this limitation and include the definition of the three all dam risk component concepts. Pertinent definitions and example language that would address this revision are included below.

#### Definitions:

*Incremental Risk:* The risk (likelihood and consequences) to the pool area and downstream floodplainoccupants that can be attributed to the presence of the dam should the dam breach prior or subsequent to overtopping, or undergo component malfunction or misoperation, where the consequences considered are over and above those that would occur without dam breach. The consequences typically are due to downstream inundation, but loss of the pool can result in significant consequences in the pool area upstream of the dam.

*Non-Breach Risk:* The risk in the reservoir pool area and affected downstream floodplain due to 'normal' dam operation of the dam (e.g., large spillway flows within the design capacity that exceedchannel capacity) or 'overtopping of the dam without breaching' scenarios.

*Residual Risk:* The risk that remains after all mitigation actions and risk reduction actions have been completed. With respect to dams, FEMA defines residual risk as "risk remaining at any time" (FEMA, 2015, p A-2). It is the risk that remains after decisions related to a specific dam safety issue are madeand prudent actions have been taken to address the risk. It is the remote risk associated with a condition that was judged to not be a credible dam safety issue.

Source: "Rehabilitation of High Hazard Potential Dams Grant Program Guidance," June 2020

#### Example Language:

Note: Though the requested text edits are in blue for easy identification, please maintain the plan's established formatting (do not make the text blue in the plan itself).

At this time, insufficient information is available to conduct a substantive analysis of incremental, non-breach and residual risk relative to the Hampton Roads PDC's high hazard potential dams. However, it is acknowledged that incremental risk is "the risk (likelihood and consequences) to the pool area anddownstream floodplain occupants that can be attributed to the presence of the dam should the dambreach prior or subsequent to overtopping, or undergo component malfunction or misoperation, where the consequences considered are over and above those that would occur without dam breach;" non-breach risk is "the risk in the reservoir pool area and affected downstream floodplain due to 'normal' dam operation of the dam (e.g., large spillway flows within the design capacity that exceed channel capacity) or 'overtopping of the dam without breaching' scenarios;" and residual risk) is "the risk that remains after decisions related to a specific dam safety issue are made and prudent actions have been taken to address the risk. It is the remote risk associated with a condition that was judged to not be a credible dam safety issue" (FEMA, 2020 Rehabilitation of High Hazard Potential Dams Grant Program Guidance)

1. REGULATION CHECKLIST	Location in Plan	Not
Regulation (44 CFR § 201.6 Local Mitigation Plans)	(section and/or page number) Met	Met

**HHPD2:** Though Appendix D includes an assortment of dam-related data, this information is not explained or contextualized in the plan (ideally within the "Flooding Due to Impoundment Failure/High Hazard Dam" portion of Section 5). To meet this requirement, add at least narrative to the HMP describing the risks and vulnerabilities to and from eligible HHPDs including:

- Potential significant economic, environmental, or social impacts as well as multijurisdictional impacts from a dam incident.
- Methodology and/or assumptions for risk data and inundation modeling
- Documentation of limitations and the approach to address deficiencies
  - <u>Example</u>: The first page of the Flooding Due to Impoundment Failure/High Hazard Dam section states the limitation that "[p]otential damages from inundation of these structures and infrastructure have not been further quantified but is an area of expected future study in the region." However, no mitigation action or approach to address this deficiency is explicitly described in the plan. To address this component (bullet) of this HHPD2 required revision, consider adding a mitigation action that explicitly addresses the aforementioned limitation.

#### Addressed.

#### **RECOMMENDED REVISIONS (Not Required to Meet HHPD/All Dam Risk Requirements)**

**HHPD1:** Add narrative to the HMP describing explicitly how the Virginia state dam safety agency (<u>Virginia Department of Conservation and Recreation</u>)—such as Mark Kilgore, a VADCR Dam Safety Engineer and member of this plan's Hazard Mitigation Planning Steering Committee—coordinated with the jurisdiction and/or other local dam owners throughout the planning process.

**HHPD1:** Incorporate additional dam-related data into the plan, such as the potential impacts to institutions and critical infrastructure/facilities/community lifelines, EAPs, HEC-RAS, DSS-WISEHCOM, DSS-WISE Lite, FLO-2D, or more detailed studies. The resource detailed below can be leveraged to help address this recommendation.

The US Army Corps of Engineers National Inventory of Dams (NID) has updated its database (of 90,000 dams nationwide) and associated website to include dam-specific risk information and inundation maps for USACE dams. The dam-related data is publicly available and went live in November 2021. Consider reviewing the USACE dam analyses that have been added to the NID, to inform the refinement of your Hazard Mitigation Plan's dam risk analyses. The new NID includes an advanced map viewer that allows local dam data layers (in GeoJSON or Zip Shapefile formats) to be imported and overlayed against USACE data (and additional layers included in the new NID map viewer tool such as FEMA's National Flood Hazard Layer). For more information, please refer to the recorded 10/26/2021 "National Inventory of Dams Update and Public Release of USACE Inundation Maps" Silver Jackets webinar which is available here: <u>https://usace.contentdm.oclc.org/digital/collection/p16021coll2/id/7418</u>.

**HHPD4:** To help inform the development and refinement of HHPD mitigation actions, eligible activities from the FEMA FY21 HHPD grant funding opportunity are included below. Consider incorporating additional mitigation actions using language from the eligible activities below for specific HHPDs within the Hampton Roads PDC.

Eligible FY21 Rehabilitation of HHPD Grant Program Activities

• Repair, removal, or any other structural or nonstructural measures to rehabilitate an

			_
1. REGULATION CHECKLIST	Location in Plan (section and/or		Not
Regulation (44 CFR § 201.6 Local Mitigation Plans)	page number)	Met	Met
eligible high hazard potential dam.			
Planning Activities such as:			
<ul> <li>Alternatives analysis to identify a preferred the estimated cost for design and construct</li> </ul>		itation a	and
<ul> <li>Investigations and risk assessments that fu risk prioritization methodology defined in s NOFO.</li> </ul>			-
<ul> <li>Design Activities such as:</li> </ul>			
<ul> <li>Work to develop conceptual, preliminary, or specifications for dam rehabilitation project an alternative evaluation process that com Policy Act (NEPA) requirements.</li> </ul>	ts that have been pla	nned us	-
Source: Fiscal Year (FY) 2021 Rehabilitation of High Haza of Funding Opportunity (NOFO)	rd Potential Dams (H	HPD) No	otice
<b>HHPD2:</b> The maps (figures 5.13 and 5.14) overlaying National Risk Index information against HHPD location information provide a sound foundat dam risk. Update the HHPD specific maps in Appendix H to include dam i vulnerability, critical infrastructure, historic and cultural assets, and other include narrative in the main text of the plan that summarizes the signifit instance in terms of community lifeline impacts). Moreover, consider usid dam inundation zone information to depict dam-specific population at rid dams in the Hampton Roads PDC (at least the HHPDs).	ion for further analys inundation zones, soc er assets information, cance of this analysis ing 2020 census data isk (PAR) information	is of ial and (for and for all	
ELEMENT F. ADDITIONAL STATE REQUIREMENTS (OPTIONA ONLY; NOT TO BE COMPLETED BY FEMA)	L FOR STATE REV	IEWER	S
F1.			
F2.			
ELEMENT F: REQUIRED REVISIONS		<u> </u>	

#### SECTION 2: PLAN ASSESSMENT

#### **INSTRUCTIONS:**

The purpose of the Plan Assessment is to offer the local community more comprehensive feedback to the community on the quality and utility of the plan in a narrative format. The audience for the Plan Assessment is not only the plan developer/local community planner, but also elected officials, local departments and agencies, and others involved in implementing the Local Mitigation Plan. The Plan Assessment must be completed by FEMA. The Assessment is an opportunity for FEMA to provide feedback and information to the community on: 1) suggested improvements to the Plan; 2) specific sections in the Plan where the community has gone above and beyond minimum requirements; 3) recommendations for plan implementation; and 4) ongoing partnership(s) and information on other FEMA programs, specifically RiskMAP and Hazard Mitigation Assistance programs. The Plan Assessment is divided into two sections:

- 1. Plan Strengths and Opportunities for Improving
- 2. Resources for Implementing Your Improved Plan

*Plan Strengths and Opportunities for Improvement* is organized according to the plan Elements listed in the Regulation Checklist. Each Element includes a series of italicized bulleted items that are suggested topics for consideration while evaluating plans, but it is not intended to be a comprehensive list. FEMA Mitigation Planners are not required to answer each bullet item and should use them as a guide to paraphrase their own written assessment (2-3 sentences) of each Element.

The Plan Assessment must not reiterate the required revisions from the Regulation Checklist or be regulatory in nature and should be open-ended and to provide the community with suggestions for improvements or recommended revisions. The recommended revisions are suggestions for improvement and are not required to be made for the Plan to meet Federal regulatory requirements. The italicized text should be deleted once FEMA has added comments regarding strengths of the plan and potential improvements for future plan revisions. It is recommended that the Plan Assessment be a short synopsis of the overall strengths and weaknesses of the Plan (no longer than two pages), rather than a complete recap section by Element.

**Resources for Implementing Your Approved Plan** provides a place for FEMA to offer information, data sources and general suggestions on the plan implementation and maintenance process. Information on other possible sources of assistance including,

but not limited to, existing publications, grant funding or training opportunities, can be provided. States may add state and local resources, if available.

#### A. Plan Strengths and Opportunities for Improvement

- Excellent that the HRPDC used a "Whole Community Approach" at the "Feedback Forum" by using existing resources in the community—Public Information Officers and the HRPDC's Administrator of the Office of Community Affairs and Civil Rights. Would be interesting to see the level of participation it resulted in
- Excellent that elected officials were kept informed through presentations at official meetings
- Participation in the public meetings was impressive and the hard work is evident. In addition to large group attendance, there was a very good response rate for the survey.
- The team used a variety of participatory tools to obtain feedback on the mitigation plan. For example, polling used in the public meeting is a good participatory tool and offers attendees who might not normally contribute an opportunity to do so, as is evidenced in the plan.
- There is good participation by neighboring communities, local and regional agencies involved in hazard mitigation activities, agencies that have the authority to regulate development as well as other interests
- Consider providing more information about Figure 5.2: "Relative Social Vulnerability in the Study Area" to describe areas that have High or Relatively High Social Vulnerability since the map scale covers the entire region, making it difficult to distinguish those areas. It is recommended to create larger scale maps to better indicate location for flooding and coastal erosion/landslides. At the current scale, floodplains and hazardous areas are impossible to discern.
- Suggestion that the plan preparers define vulnerable populations with the community and gather data to determine their location in the risk assessment using HAZUS, US Census data, or other metadata.
- Excellent that Objective 1.4 has been expanded to specify that diverse, equitable and inclusive government services, as well as government functions, should be maintained throughout the duration of hazard events, not just during the event itself. Equity has become an important goal of FEMA as well.
- It's excellent that the HRPDC approved and adopted a resolution encouraging local governments within the region to consider adopting policies that incorporate sea level rise into planning and engineering decisions based on climate modeling to reduce risk and damage from flooding and storm surge. The next plan should discuss the implementation recommendations for categories of projects and policies and provide an update on which communities adopted these engineering and planning policies.
- The Risk and Vulnerability Assessment needs to be reviewed for readability and consistency

- The Capability Assessment includes an excellent "Integration Measures into Community Life" list for each participating community. There are countless examples of integration of mitigation into numerous programs, plans, and processes, in multiple communities, demonstrating a strong commitment to disaster risk reduction. The list also discusses current and future efforts.
- Describe the systems or processes in place whereby local plans, ordinances, and programs are in place for a town but managed by the county
- Each community participating in the plan has a Comprehensive Land Use Plan, but it is not described. Describe the CLUP, provide the year and how that impacts the community's capability in the update.
- Kudos to the City of Hampton and the Resilient Hampton initiative. In addition to a General Obligation Bond and an Environmental Impact Bond, the City hired a Resiliency Officer and is implementing a living with water approach to disaster risk reduction.
- Newport News completed six mitigation actions from 2017. Kudos!
- The City of Williamsburg identified excellent plan integration tactics. Firstly, they identified a hazard-based development review process for circulating proposed developments through various departments and discussed integration of the HMP and the City of Williamsburg's hazards addressed in their comprehensive plan.

#### B. Resources for Implementing Your Approved Plan

Consider utilizing the following resources to bolster future hazard mitigation plan updates and advance community mitigation goals. -FEMA: Local Mitigation Planning Handbook Task 3: Create an Outreach Strategy

- FEMA: National Risk Index (NRI) for Natural Hazards
- FEMA: <u>Resilience Analysis and Planning Tool (RAPT)</u>
- FEMA: Region 3 Conducting Annual Hazard Mitigation Plan Reviews Resource
- FEMA: Region 3 High Hazard Potential Dams State and Local Mitigation Planning Tips Resource
- FEMA: Region 3 Checking In On The NFIP Resource
- FEMA: Guides to Expanding Mitigation
- Resilient Nation Partnership Network, NOAA, & FEMA: Building Alliances for Equitable Resilience Resource (April 2021)
- FEMA: Protect Your Home from Flooding, Low-Cost Project You Can Do Yourself Resource
- FEMA: <u>"How Community Lifelines and Infrastructure Planning are Essential to Mitigation Plans" Blog Post (October 2019)</u>
- PAS Memo, American Planning Association/DHS, <u>Building Resilience Through Plan Integration</u>, Jan/Feb 2021

#### SECTION 3: MULTI-JURISDICTION SUMMARY SHEET (OPTIONAL)

**INSTRUCTIONS**: For multi-jurisdictional plans, a Multi-jurisdiction Summary Spreadsheet may be completed by listing each participating jurisdiction, which required Elements for each jurisdiction were 'Met' or 'Not Met,' and when the adoption resolutions were received. This Summary Sheet does not imply that a mini-plan be developed for each jurisdiction; it should be used as an optional worksheet to ensure that each jurisdiction participating in the Plan has been documented and has met the requirements for those Elements (A through E).

					MULTI-JU	RISDICTIO		ARY SHEET				
		Jurisdictio						Requ	irements M	et (Y/N) *=HHPD	•	
#	Jurisdiction Name	n Type (city/boro ugh/ township/ village, etc.)	Plan POC	Mailing Address	Email	Phone	A. Planning Process*	B. Hazard Identification & Risk Assessment*	C. Mitigation Strategy*	D. Plan Review, Evaluation & Implementation	E. Plan Adoption	F. State Require- ments
			Mary	8th Floor, City Hall	mbunting	757-						
1	Hampton	City	Bunting,	22 Lincoln St.	mbunting @hampt	737-			х	х		
-	hampton	enty	City	Hampton, VA	on.gov	6392			~	~		
			Manager	23669	0							
				City Hall		757-						
			Cynthia	2400		926-						
2	Newport News	City	D. Rohlf,	Washington	rohlfcd@	8411			Х	х		
	,	,	City	Ave.	nnva.gov							
			Manager	Newport News, VA 23607								
			J. Rnadall	500 City Hall	randy.wh	757-						
			Wheeler,	Avenue	eeler@p	868-						
3	Poquoson	City	City	Poquoson, VA	oquoson-	3000			Х	Х		
			Manager	23662	va.gov							

MULTI-JURISDICTION SUMMARY SHEET													
		Jurisdictio					Requirements Met (Y/N) *=HHPD						
#	Jurisdiction Name	n Type (city/boro ugh/ township/ village, etc.)	Plan POC	Mailing Address	Email	Phone	A. Planning Process*	B. Hazard Identification & Risk Assessment*	C. Mitigation Strategy*	D. Plan Review, Evaluation & Implementation	E. Plan Adoption	F. State Require- ments	
4	James City	County	Scott Stevens, County Administr ator	101 Mounts Bay Rd, Bldg D, Williamsburg VA 23185	Scott.ste vens@ja mescityc ountyva. gov	757- 253- 6602			х	x			
5	York	County	Neil Morgan, County Administr ator	224 Ballard Street Yorktown, VA 23690	neil.morg an@york county.g ov	757- 890- 3320			х	x			
6	Norfolk	City	Larry "Chip" Filer, City Manager	810 Union St, Ste 1101, Norfolk VA 23510	city.mana ger@norf olk.gov	757- 664- 4242			Х	х			
7	Portsmouth	City	Angel L. Jones, City Manager	801 Crawford Street Portsmouth, VA 23704	baldwinb @portsm outhva.g ov	757- 393- 8641			х	х			
8	Virginia Beach	City	Patrick A. Duhaney, City Manager	2401 Courthouse Dr, Virginia Beach VA 23456	CMOffice @vbgov. com	757- 385- 4242			Х	х			
9	Chesapeake	City	Christoph er M. Price, City Manager	306 Cedar Road – Sixth Floor, Chesapeake, VA 23322	citymana ger@city ofchesap eake.net	757- 382- 2489			х	x			

MULTI-JURISDICTION SUMMARY SHEET													
		Jurisdictio					Requirements Met (Y/N) *=HHPD						
#	Jurisdiction Name	n Type (city/boro ugh/ township/ village, etc.)	Plan POC	Mailing Address	Email	Phone	A. Planning Process*	B. Hazard Identification & Risk Assessment*	C. Mitigation Strategy*	D. Plan Review, Evaluation & Implementation	E. Plan Adoption	F. State Require- ments	
10	Isle of Wight	County	Randy R. Keaton, County Administr ator	PO Box 80, 17090 Monument Cir, Isle of Wight, VA 23397	admn@is leofwight us.net	757- 365- 6204			x	x			
11	Franklin	City	Amanada C. Jarratt, City Manager	207 West 2 <sup>nd</sup> Ave, Franklin Va 23851	ajarratt@ franklinv a.com	757- 562- 8561			x	х			
12	Williamsburg	City	Andrew O. Trivette, City Manager	401 Lafayette Street Williamsburg, VA 23185	citymana ger@willi amsburg va.gov	757- 220- 6100			x	x			
13	Suffolk	City	Albert S. Moor, II, City Manager	442 W Washington St, Suffolks VA 23434	citymana ger@suff olkva.us	757- 514- 4000			x	х			
14	Smithfield	Town	Michael R. Stallings, Jr., Town Manager	911 South Church St Smithfield, VA 23430	mstalling s@smithf ieldva.go v	757- 365- 4200			x	х			
15	Windsor	Town	William G. Saunders IV, Town Manager	8 East Windsor Boulevard P.O. Box 307 Windsor, VA 23487	wsaunde rs@wind sor- va.gov	757- 242- 4288			x	x			

MULTI-JURISDICTION SUMMARY SHEET												
#	Jurisdiction Name	Jurisdictio n Type (city/boro ugh/ township/ village, etc.)	Plan POC	Mailing Address	Email	Phone	A. Planning Process*	Requ B. Hazard Identification & Risk Assessment*	C. C. Mitigation Strategy*	et (Y/N) *=HHPD D. Plan Review, Evaluation & Implementation	E. Plan Adoption	F. State Require- ments
16	Southampton	County	Michael W. Johnson, County Administr ator	P.O. Box 400 Courtland, VA 23837	mjohnso n@south amptonc ounty.org	(757) 653- 3015			Х	х		
23	Surry	County	Melissa Rollins, County Administr ator	45 School Street Surry, VA 23883	mrollins @surryco untyva.g ov	757- 294- 5271			х	х		
24	Claremont	Town	George Lee Edwards, Mayor	4115 Spring Grove Avenue, Claremont, VA 23899	townclar emont@ aol.com	757- 866- 8427	х		Х			
25	Dendron	Town	Wallace E. Faison, Jr., Mayor	2855 Rolfe Highway, Dendron VA 23839	satcinc@ yahoo.co m	757- 635- 7166	Х		Х			

## HAMPTON ROADS HAZARD MITIGATION PLAN

This Appendix provides copies of the resolutions of adoption for this plan, as well as the final approval letter from FEMA Region III.

22-R-049

## A RESOLUTION ADOPTING THE UPDATED 2022 HAMPTON ROADS HAZARD MITIGATION PLAN.

WHEREAS, the Council of the City of Chesapeake, Virginia recognizes the threat that natural hazards pose to people and property within our community; and

WHEREAS, undertaking hazard mitigation actions will reduce the potential for harm to people and property from future hazard occurrences; and

WHEREAS, an adopted Hazard Mitigation Plan is required as a condition of future funding for mitigation projects under multiple Federal Emergency Management Agency (FEMA) pre- and post-disaster mitigation grant programs; and

**WHEREAS,** the City of Chesapeake participated in the FEMA-prescribed mitigation planning process to prepare this Hazard Mitigation Plan; and

WHEREAS, the Virginia Department of Emergency Management and Federal Emergency Management Agency, Region III officials have reviewed the "2022 Hampton Roads Hazard Mitigation Plan" and approved it contingent upon this official adoption of the participating governments and entities.

**NOW, THEREFORE, BE IT RESOLVED,** that the Council of the City of Chesapeake, Virginia adopts the "2022 Hampton Roads Hazard Mitigation Plan" as an official plan; and

**BE IT FURTHER RESOLVED,** the City of Chesapeake will submit this Adoption Resolution to the Virginia Department of Emergency Management and Federal Emergency Management Agency, Region III officials to enable the Plan's final approval.

City Attorney's Office City of Chesapeake Municipal Center 306 Cedar Road Chesapeake, Virginia 23322 (757) 382-6586 Fax: (757) 382-8749 ADOPTED by the Council of the City of Chesapeake, Virginia, this 12<sup>th</sup> day of July,

2022.

APPROVED:

Ricklifer

Mayor

ATTEST:

Jandia Madisin

Clerk of the Council

APPROVED AS TO FORM:

Assistant City Attorney

City Attorney's Office City of Chesapeake Municipal Center 306 Cedar Road Chesapeake, Virginia 23322 (757) 382-6586 Fax: (757) 382-8749

### Adopting the Updated 2022 Hampton Roads Hazard Mitigation Plan

Whereas, the Council of the Town of Claremont, Virginia recognizes the threat that natural hazards pose to people and property within our community; and

Whereas, undertaking hazard mitigation actions will reduce the potential for harm to people and property from future hazard occurrences; and

*Whereas,* an adopted Hazard Mitigation Plan is required as condition of future funding for mitigation under multiple FEMA pre-and post-disaster mitigation grant programs; and

*Whereas,* the Town of Claremont participated in the FEMA-prescribed mitigation planning process to prepare this Hazard Mitigation Plan; and

Whereas, the Virginia Department of Emergency Management and Federal Emergency Management Agency, Region III officials have reviewed the "2022 Hampton Roads Hazard Mitigation Plan" and approved it contingent upon this official adoption of the participating governments and entities;

**Now, therefore, be it resolved**, that the Council of the Town of Claremont, Virginia adopts the **"2022 Hampton Roads Mitigation Plan"** as an official plan; and

**Be it further resolved,** the Town of Claremont will submit this Adoption Resolution to the Virginia Department of Emergency Management and Federal Emergency Agency, Region III officials to enable the Plan's final approval.

> Passed: October 5, 2022 Day Malan

Certifying Official

Adopting the Updated 2022 Hampton Roads Hazard Mitigation Plan

Whereas, the Council of the Town of Dendron, Virginia recognizes the threat that natural hazards pose to people and property within our community; and

Whereas, undertaking hazard mitigation actions will reduce the potential for harm to people and property from future hazard occurrences; and

Whereas, an adopted Hazard Mitigation Plan is required as condition of future funding for mitigation under multiple FEMA pre-and post-disaster mitigation grant programs; and

Whereas, the Town of Dendron participated in the FEMA-prescribed mitigation planning process to prepare this Hazard Mitigation Plan; and

Whereas, the Virginia Department of Emergency Management and Federal Emergency Management Agency, Region Ill officials have reviewed the "2022 Hampton Roads Hazard Mitigation Plan" and approved it contingent upon this official adoption of the participating governments and entities;

Now, therefore, be it resolved, that the Council of the Town of Dendron, Virginia adopts the "2022 Hampton Roads Mitigation Plan" as an official plan; and

Be it further resolved, the Town of Dendron will submit this Adoption Resolution to the Virginia Department of Emergency Management and Federal Emergency Agency, Region Ill officials to enable the Plan's final approval.

William E Form / Mayor Certifying Official NOV. 72022



#### Adopting the Updated 2022 Hampton Roads Hazard Mitigation Plan Resolution #2022-17

**WHEREAS**, the City Council of the City of Franklin, Virginia recognizes the threat that natural hazards pose to people and property within our community; and

WHEREAS, undertaking hazard mitigation actions will reduce the potential for harm to people and property from future hazard occurrences; and

**WHEREAS,** an adopted Hazard Mitigation Plan is required as a condition of future funding for mitigation projects under multiple FEMA pre- and post-disaster mitigation grant programs; and

**WHEREAS,** the City of Franklin participated in the FEMA-prescribed mitigation planning process to prepare this Hazard Mitigation Plan; and

WHEREAS, the Virginia Department of Emergency Management and Federal Emergency Management Agency, Region III officials have reviewed the "2022 Hampton Roads Hazard Mitigation Plan" and approved it contingent upon this official adoption of the participating governments and entities;

**NOW, THEREFORE, BE IT RESOLVED,** that the City Council of the City of Franklin, Virginia adopts the "2022 Hampton Roads Hazard Mitigation Plan" as an official plan; and

**BE IT FURTHER RESOLVED,** the City of Franklin will submit this Adoption Resolution to the Virginia Department of Emergency Management and Federal Emergency Management Agency, Region III officials to enable the Plan's final approval.

Signed this 27 day of June 2022.

Frank Rabil, Mayor City of Franklin, Virginia



## City of Hampton

## Notice of Action

### **City Council Legislative Session**

Mayor Donnie R. Tuck Vice Mayor Jimmy Gray Councilmember Chris L. Bowman Councilmember Eleanor Weston Brown Councilmember Steven L. Brown Councilmember Michelle T. Ferebee Councilmember Billy Hobbs

STAFF: Mary Bunting, City Manager Cheran Cordell Ivery, City Attorney Katherine K. Glass, CMC, Clerk of Council

Wednesday, August 10, 2022

6:30 PM

**Council Chambers** 

#### CALL TO ORDER/ROLL CALL

Mayor Tuck called the meeting to order at 6:30 p.m. All members of the City Council were present with the exception of Councilman Hobbs who is traveling.

- Present: 6 Councilmember Chris L. Bowman,Councilmember Eleanor Weston Brown,Councilmember Steven L. Brown,Councilmember Michelle T. Ferebee,Vice Mayor Jimmy Gray and Mayor Donnie R. Tuck
- Excused: 1 Councilmember Billy Hobbs

#### **INVOCATION - Councilman Steven L. Brown**

Councilman Brown gave the invocation.

#### PLEDGE OF ALLEGIANCE TO FLAG

Mayor Tuck invited Boy Scouts from Troop 151 to lead the Pledge of Allegiance. Jackson Hudson, Thomas Minter, and Jace Mitchell were accompanied by their Scout leader Brad Minter. They are working on their Citizenship in the Community badge.

#### MAYOR'S COMMENTS

**22-0236** Motion to Amend the Agenda to Take Items #9 (22-0181) and #10 (22-0183) Out of Order.

At the Mayor's invitation, Larry Cumming, attorney for the

applicant explained the request for a deferral.

A motion was made by Councilmember Steven Brown and seconded by Councilmember Eleanor Weston Brown, that this Motion be approved. The motion carried by the following vote:

- Aye: 6 Councilmember Bowman, Councilmember Weston Brown, Councilmember Brown, Councilmember Ferebee, Vice Mayor Gray and Mayor Tuck
- 9. 22-0181 Rezoning Application by Westview Landing, LLC. to Rezone +37.86 Acres at 10 Doris Carlson Dr [LRSN: 5000040], 51 Battle Rd [LRSN: 5000041], 30 Singleton Dr [LRSN: 5000042, portion], and 60 Battle Rd B [LRSN: 5001596] from One Family Residential (R-11) District to Multifamily Residential (MD-3) District with Proffered Conditions for Multifamily Development

A motion was made by Councilmember Steven Brown and seconded by Councilmember Chris Bowman, that this Resolution be deferred to the City Council Legislative Session, due back on 9/14/2022. The motion carried by the following vote:

- Aye: 6 Councilmember Bowman, Councilmember Weston Brown, Councilmember Brown, Councilmember Ferebee, Vice Mayor Gray and Mayor Tuck
- 10.22-0183Use Permit Application by Westview Landing, LLC. for<br/>Construction of Multifamily Dwellings within the Multifamily<br/>Residential (MD-3) District at 10 Doris Carlson Dr [LRSN:<br/>5000040], 51 Battle Rd [LRSN: 5000041], 30 Singleton Dr<br/>[LRSN: 5000042, portion], and 60 Battle Rd B [LRSN: 5001596]

A motion was made by Councilmember Bowman and seconded by Councilmember Weston Brown,that this Use Permits be deferred to the City Council Legislative Session, due back on 9/14/2022. The motion carried by the following vote:

Aye: 6 - Councilmember Bowman, Councilmember Weston Brown, Councilmember Brown, Councilmember Ferebee, Vice Mayor Gray and Mayor Tuck

#### **CONSENT AGENDA**

#### Approval of the Consent Agenda

Motion made by Councilmember Weston Brown, seconded by Councilmember Brown, to approve the Consent Agenda. The motion carried by the following vote:

- Aye: 6 Councilmember Bowman, Councilmember Weston Brown, Councilmember Brown, Councilmember Ferebee, Vice Mayor Gray and Mayor Tuck
- 1. <u>22-0227</u> Resolution to Amend the Fiscal Year 2023 Council Approved Budget to Accept and Appropriate the 2023 Virginia Homeless Solutions Program Grant Awarded by the Virginia Department of Housing and Community Development.

Item approved.

- Aye: 6 Councilmember Bowman, Councilmember Weston Brown, Councilmember Brown, Councilmember Ferebee, Vice Mayor Gray and Mayor Tuck
- 2. <u>22-0228</u> Resolution to Amend the Fiscal Year 2023 Council Approved Budget to Accept and Appropriate the 2023 Children's Services Act Annual Allocation Awarded by the Virginia Department of Education

Item approved.

- Aye: 6 Councilmember Bowman, Councilmember Weston Brown, Councilmember Brown, Councilmember Ferebee, Vice Mayor Gray and Mayor Tuck
- 3. 22-0232 Resolution to Amend the Fiscal Year 2023 Council Approved Budget to Accept and Appropriate the 2023 Foster Grandparent Program Grant Amendment Awarded by the Corporation for National and Community Services (CNCS) Item approved.
  - Aye: 6 Councilmember Bowman, Councilmember Weston Brown, Councilmember Brown, Councilmember Ferebee, Vice Mayor Gray and Mayor Tuck
- 4. <u>22-0229</u> Re-adoption of the City of Hampton, Virginia's Emergency

Operations Plan (EOP)

Item approved.

- Aye: 6 Councilmember Bowman, Councilmember Weston Brown, Councilmember Brown, Councilmember Ferebee, Vice Mayor Gray and Mayor Tuck
- 5. <u>22-0225</u> Review and Approval of the Hampton-Newport News Community Services Board FY22-23 Performance Contract with the Department of Behavioral Health and Development Services Item approved.
  - Aye: 6 Councilmember Bowman, Councilmember Weston Brown, Councilmember Brown, Councilmember Ferebee, Vice Mayor Gray and Mayor Tuck
- 6. <u>22-0226</u> Resolution to Approve an Encroachment Agreement Pursuant to Hampton City Code § 34-86 Between the City of Hampton and Quality Carpenters, Inc. to Allow an Encroachment into the City's Property for Installation of Water, Sewer and Other City Approved Utility Connections and for Ingress/Egress within and across City Property

Item approved.

- Aye: 6 Councilmember Bowman, Councilmember Weston Brown, Councilmember Brown, Councilmember Ferebee, Vice Mayor Gray and Mayor Tuck
- 7. <u>22-0230</u> Approval of the minutes from the work session of July 13, 2022. Item approved.
  - Aye: 6 Councilmember Bowman, Councilmember Weston Brown, Councilmember Brown, Councilmember Ferebee, Vice Mayor Gray and Mayor Tuck

#### PRESENTATIONS, PROCLAMATIONS, AWARDS

Mayor Tuck recognized Delegate A. C. Cordoza who was attending the meeting.

#### PUBLIC HEARINGS

#### Rezonings

 8. <u>22-0184</u> Rezoning Application by Michel Properties, LLC to Rezone +0.865 acres at 53 Wythe Creek Road [LRSN: 6001176] from Limited Manufacturing (M-1) District to Light Manufacturing (M-2) District with Proffered Conditions for Light Vehicle Repair

Presented by Donald Whipple, Chief Planner.

The Mayor opened the public hearing. The applicant, Frank Michel. Another individual, Danny Bradbury, spoke about his car repair business in the area. The Mayor closed the public hearing.

The Mayor, City Manager and City Attorney provided some comments on this item.

A motion was made by Councilmember Chris Bowman and seconded by Councilmember Steven Brown, that this Rezoning Application be denied. The motion carried by the following vote:

Aye: 6 - Councilmember Bowman, Councilmember Weston Brown, Councilmember Brown, Councilmember Ferebee, Vice Mayor Gray and Mayor Tuck

#### **Use Permits**

#### Resolutions

**11.** <u>22-0231</u> Comprehensive Plan Amendment for the adoption of the 2022 Hampton Roads Hazard Mitigation Plan by reference into the Hampton Community Plan(2006, as amended), replacing the current 2017 Hampton Roads Hazard Mitigation Plan Presented by Mike Hayes, Planning & Zoning Administration Division Manager.

> The Mayor opened the public hearing. There were no speakers on the item so the Mayor closed the public hearing.

A motion was made by Councilmember Steven Brown and seconded by Councilmember Michelle Ferebee, that this Resolution be approved. The motion carried by the following vote:

Aye: 6 - Councilmember Bowman, Councilmember Weston Brown, Councilmember Brown, Councilmember Ferebee, Vice Mayor Gray and Mayor Tuck

#### **PUBLIC COMMENT**

Craig Knopp spoke about a cleanup at the Hampton Coliseum this Friday. He also spoke about his concern about Delegates to the General Assembly receiving a per diem during Covid when they were working from home. He intends to ask about if this occurs with local officials. He also talked about children's volunteer opportunities.

Chris Matthews spoke about volunteering in Hampton and talking with others about volunteering. He spoke of a need for additional skate parks in Hampton.

Lakesha Kirkendall spoke about an alley near 306 Hollywood Avenue which is unkempt and where there is also a dumping issue.

Ursula Barkers, Aaron Weaver, and Joan Weaver spoke on future plans for the property which was formerly the Virginia School for the Deaf and Blind.

Nikia Miller spoke about leadership and referenced a situation she has been speaking on concerning her daughter. She also spoke about the relationship between Hampton City Schools, the School Board and the City Council.

Andrew Stith spoke about the use of solar power on buildings and on charges for ambulance services.

Mayor Tuck referred Ms. Kirkendall to Jason Mitchell, the Director of Public Works.

The City Manager, Mary Bunting, indicated that when the supply chain allows, the City intends to add solar panels to City Hall. It is sometimes not cost effective to do smaller buildings. She also indicated that most of the time insurance covers ambulance fees except for a small co-pay. Citizens can request a waiver from that co-pay if needed. She also shared that the Virginia School property application isn't currently before the City Council and explained the timeline for the Virginia School properties. She will work with Mr. Knopp on volunteer opportunities and she indicated that the old San Souci property in Buckroe isn't appropriate for a skate park. She shared that the Parks and Recreation Master Plan is being worked on now.

#### GENERAL ITEMS

#### **Appointments**

**12.** <u>22-0130</u> Consideration of Appointments to the Citizens' Unity Commission (CUC)

A motion was made by Councilmember Steven Brown to Dr. Kathreen Tadrous, Rev. Gretchen O. Nelson, and Walter V. Dickerson to serve first full terms expiring on August 31, 2026; to reappoint Jennifer W. Evans and Dr. Tameka Lett to second terms which will expire on June 30, 2026; and to appoint Phyllis H. Porter to serve the remainder of an unexpired term until June 30, 2023.

The motion carried by the following vote:

- Aye: 6 Councilmember Bowman, Councilmember Weston Brown, Councilmember Brown, Councilmember Ferebee, Vice Mayor Gray and Mayor Tuck
- **13.** <u>22-0219</u> Consideration of an Appointment to the Animal Control Advisory Committee

A motion was made by Councilmember Steven Brown to appoint Bianca Brooks to fill the unexpired portion of a term until May 20, 2025. The motion carried by the following vote:

- Aye: 6 Councilmember Bowman, Councilmember Weston Brown, Councilmember Brown, Councilmember Ferebee, Vice Mayor Gray and Mayor Tuck
- **14.** <u>22-0221</u> Consideration of Appointments to the Board of Zoning Appeals

A motion was made by Councilmember Steven Brown to recommend appointment of Robie Tuck and Kevin Davis as alternates to the Board of Zoning Appeals. The motion carried by the following vote:

Aye: 6 - Councilmember Bowman, Councilmember Weston Brown, Councilmember Brown, Councilmember Ferebee, Vice Mayor Gray and Mayor Tuck

#### **REPORTS BY CITY MANAGER, CITY COUNCIL, STAFF, COMMITTEES**

There were no reports.

#### MISCELLANEOUS NEW BUSINESS

There were no items of new business.

#### ADJOURNMENT

The Mayor reminded everyone that City Council is on the summer schedule so there will not be a second meeting in August. The meeting adjourned at 7:52 p.m.

Contact Info: Clerk of Council, 757-727-6315, council@hampton.gov

2022-45

#### **RESOLUTION TO ADOPT THE UPDATED 2022 HAMPTON ROADS HAZARD MITIGATION PLAN**

WHERAS, the Board of Supervisors of the County of Isle of Wight, Virginia recognizes the threat that natural hazards pose to people and property within our community; and,

WHEREAS, undertaking hazard mitigation actions will reduce the potential for harm to people and property from future hazard occurrences; and,

WHEREAS, an adopted Hazard Mitigation Plan is required as a condition of future funding for mitigation projects under multiple FEMA pre- and postdisaster mitigation grant programs; and,

WHEREAS, Isle of Wight County participated in the FEMA-prescribed mitigation planning process to prepare this Hazard Mitigation Plan; and,

WHEREAS, the Virginia Department of Emergency Management and Federal Emergency Management Agency, Region III officials have reviewed the "2022 Hampton Roads Hazard Mitigation Plan" and approved it contingent upon this official adoption of the participating governments and entities.

NOW, THEREFORE, BE IT RESOLVED that the Board of Supervisors of the County of Isle of Wight, Virginia adopts the "2022 Hampton Roads Hazard Mitigation Plan" as an official plan.

**BE IT FURTHER RESOLVED** that Isle of Wight County will submit this Adoption Resolution to the Virginia Department of Emergency Management and Federal Emergency Management Agency, Region III officials to enable the Plan's final approval.

Adopted this 16<sup>th</sup> day of June, 2022.

Carey Mills Storm

Carey Mills Storm, Clerk

Approved as to Form:

r

Robert W. Jones Jr., County Attorney

A Samo

Rudolph Jefferson, Chairman

#### RESOLUTION

#### HAMPTON ROADS HAZARD MITIGATION PLAN ADOPTION

- WHEREAS, the James City County Board of Supervisors is seeking the Federal Emergency Management Agency (FEMA) approval of a Hazard Mitigation Plan that recognizes the threat that natural hazards pose to people and property within our community; and
- WHEREAS, undertaking hazard mitigation actions will reduce the potential for harm to people and property from future hazard occurrences; and
- WHEREAS, an adopted Hazard Mitigation Plan is required as a condition of future funding for mitigation projects under multiple FEMA pre-disaster and post-disaster mitigation grant programs; and
- WHEREAS, James City County fully participated in the FEMA-prescribed mitigation planning process to prepare this Hazard Mitigation Plan; and
- WHEREAS, the Virginia Department of Emergency Management and Federal Emergency Management Agency, Region III Officials have reviewed the "2022 Hampton Roads Hazard Mitigation Plan" and approved it contingent upon the official adoption of the participating governments and entities.
- NOW, THEREFORE, BE IT RESOLVED that the Board of Supervisors of James City County, Virginia, hereby adopts the "2022 Hampton Roads Hazard Mitigation Plan" as an official plan; and
- BE IT FURTHER RESOLVED that the James City County Fire Department will submit this Adoption Resolution to the Virginia Department of Emergency Management and Federal Emergency Management Agency, Region III Officials to enable the Plan's final approval.

hn J. McGlennon

Chairman, Board of Supervisors

VOTES
<u>AYE NAY ABSTAIN ABSENT</u>

Adopted by the Board of Supervisors of James City County, Virginia, this 28th day of June, 2022.

HRHazMitPln22-res

ATTEST:

Teresa J. Saeed Deputy Clerk to the Board

ICENHOUR HIPPLE LARSON SADLER MCGLENNON

#### **RESOLUTION NO.** 13574-22

A RESOLUTION ADOPTING THE 2022 HAMPTON ROADS HAZARD MITIGATION PLAN.

WHEREAS, the City of Newport News recognizes the threat that natural hazards pose to people and property within our community; and

WHEREAS, undertaking hazard mitigation actions will reduce the potential for harm to people and property from future hazard occurrences; and

WHEREAS, an adopted Hazard Mitigation Plan is required as a condition of future funding for mitigation projects under multiple FEMA pre- and post-disaster mitigation grant programs; and

WHEREAS, the Counties of York and James City and the Cities of Hampton, Newport News and Williamsburg partnered to develop a hazard mitigation plan for the peninsula which was adopted in 2006; and

WHEREAS, the Peninsula Hazard Mitigation Plan was updated in 2011; and

WHEREAS, as part of the 2017 update process, six separate hazard mitigation plans, including the Peninsula Hazard Mitigation Plan, were combined into a single Hampton Roads Hazard Mitigation Plan; and

WHEREAS, the City of Newport News fully participated in the FEMA-prescribed mitigation planning process to update the Hazard Mitigation Plan for 2022; and

WHEREAS, the Virginia Department of Emergency Management and Federal Emergency Management Agency, Regional III officials have reviewed the 2022 Hampton Roads Hazard Mitigation Plan and approved it contingent upon this official adoption of the participating governments and entities.

NOW, THEREFORE, BE IT RESOLVED by the Council of the City of Newport News, Virginia:

1. That it hereby adopts the 2022 Hampton Roads Hazard Mitigation Plan as an official plan.

2. That a copy of the 2022 Hampton Roads Hazard Mitigation Plan shall be maintained in the Office of the City Clerk.

3. That a copy of this resolution shall be submitted to the Virginia Department of Emergency Management and Federal Emergency Management Agency, Region III officials to nable the Plan's final approval.

4. That this resolution shall be in effect on and after the date of its adoption, September 27, 2022.

#### RESOLUTION NO. 13574-22

#### PASSED BY THE COUNCIL OF THE CITY OF NEWPORT NEWS ON SEPTEMBER 27, 2022

Mabel Washington Jenkins, MMC City Clerk McKinley L. Price, DDS Mayor

A true copy, teste:

City Clerk

**C-**1

By: DEPT. Emergency Preparedness & Resp

#3781 RES

NORFOLK, VIRGINIA

## **RESOLUTION NO. 1,869**

A RESOLUTION APPROVING AND ADOPTING AN UPDATED PLAN ADDRESSING HAZARD MITIGATION ACTIONS TO PROTECT PEOPLE AND PROPERTY KNOWN AS THE "2022 HAMPTON ROADS HAZARD MITIGATION PLAN".

WHEREAS, the City of Norfolk has authority under its Charter to do all things whatsoever necessary or expedient to promote or maintain the general welfare, comfort, education, morals, peace, government, health, trade, commerce or industries of the City or its inhabitants;

WHEREAS, the City of Norfolk recognizes the threat that natural hazards pose to people and property within our community;

WHEREAS, undertaking hazard mitigation actions will reduce the potential for harm to people and property from future hazard occurrences;

WHEREAS, an adopted Hazard Mitigation Plan is required as a condition of future funding for mitigation projects under multiple FEMA pre- and post-disaster mitigation grant programs;

1

WHEREAS, the City of Norfolk fully participated in the FEMA-prescribed mitigation planning process to prepare and update the Hampton Roads Hazard Mitigation Plan for 2022, the result of which is referred to herein as the "2022 Hampton Roads Hazard Mitigation Plan" and a complete copy of which is on file with the City's Department of Emergency Preparedness and Response, including all appendixes; and

WHEREAS, the Virginia Department of Emergency Management and Federal Emergency Management, Region III officials have reviewed the "2022 Hampton Roads Hazard Mitigation Plan" and approved it contingent upon official adoption by the participating governments and entities; now, therefore,

BE IT RESOLVED by the Council of the City of Norfolk:

Section 1:- That the Norfolk City Council hereby approves and adopts the "2022 Hampton Roads Hazard Mitigation Plan" as an official Plan of the City of Norfolk.

Section 2:- That the City Manager is hereby authorized and directed to do all things necessary and proper to carry out the "2022 Hampton Roads Hazard Mitigation Plan"; to submit a certified copy of this resolution to the Virginia Department of Emergency Management and the Federal Emergency Management Agency, Region III officials in furtherance of the Plan's final approval; and to keep a complete copy of the "2022 Hampton Roads Hazard Mitigation Plan", including all appendixes, on file with the City. Section 3:- That this resolution shall be in effect from and after its date of adoption.

Adopted by Council July 12, 2022 Effective July 12, 2022



J.A. Buch

RICHARD ALLAN BULL

BY:

#### **RESOLUTION NO. 5204**

#### **RESOLUTION ADOPTING THE 2022 HAMPTON ROADS HAZARD MITIGATION PLAN** UPDATE

WHEREAS, the City of Poquoson, Virginia recognizes the threat that natural hazards pose to people and property within our community; and

WHEREAS, undertaking hazard mitigation actions will reduce the potential for harm to people and property from future hazard occurrences; and

WHEREAS, an adopted Hazard Mitigation Plan is required as a condition of future funding for mitigation projects under multiple FEMA pre- and post-disaster mitigation grant programs; and

WHEREAS, the City of Poquoson, Virginia fully participated in the FEMA-prescribed mitigation planning process to prepare this Hazard Mitigation Plan; and

WHEREAS, the Virginia Department of Emergency Management and Federal Emergency Management Agency, Region III officials have reviewed the "2022 Hampton Roads Hazard Mitigation Plan Update" and approved it contingent upon this official adoption of the participating governments and entities.

NOW, THEREFORE, BE IT RESOLVED, by the Council of the City of Poquoson, Virginia adopts the "2022 Hampton Roads Hazard Mitigation Plan" as an official plan; and

BE IT FURTHER RESOLVED, the City of Poquoson, Virginia will submit this Adoption Resolution to the Virginia Department of Emergency Management and Federal Emergency Management Agency, Region III officials to enable the Plan's final approval.

Section 1: That the "2022 Hampton Roads Hazard Mitigation Plan" is hereby adopted as an official regional plan.

Section 2: That this resolution shall become effective immediately upon its adoption.

ATTESTE:

ADOPTED: June 13, 2022

Gordon C. Helsel, Jr., Mayor

The foregoing resolution was adopted by the affirmative roll call vote of a majority of the members in attendance, the ayes and nays recorded in the minutes of the meeting as shown below:

Councilman Hux Councilman Southall Councilman Green

Councilwoman Andrews Vice Mayor Freeman

Mayor Helsel

#### A RESOLUTION ADOPTING THE 2022 HAMPTON ROADS HAZARD MITIGATION PLAN TO REDUCE DAMAGE AND SAVE LIVES IN THE EVENT OF A NATURAL DISASTER IN THE REGION.

WHEREAS, the City of Portsmouth, Virginia recognizes the threat that natural hazards pose to people and property within our community; and

WHEREAS, undertaking hazard mitigation actions will reduce the potential for harm to people and property from future hazard occurrences; and

WHEREAS, an adopted Hazard Mitigation Plan is required as a condition of future funding for mitigation projects under multiple FEMA pre- and post-disaster mitigation grant programs; and

WHEREAS, by Resolution R-17-09 adopted on February 28, 2017, City Council adopted the 2017 Hazard Mitigation Plan, which was an update of the 2011 Hazard Mitigation Plan; and

WHEREAS, the 2022 Hampton Roads Hazard Mitigation Plan updates the 2017 Plan and is the result of a two year long FEMA-prescribed regional planning process which involved representatives from Portsmouth and 24 other localities; and

WHEREAS, the Virginia Department of Emergency Management and Federal Emergency Management Agency, Region III officials have reviewed the 2022 Hampton Roads Hazard Mitigation Plan and approved it contingent upon its official adoption by participating governments and entities;

**NOW THEREFORE BE IT RESOLVED** by the Council of the City of Portsmouth, Virginia, that it hereby adopts the "2022 Hampton Roads Hazard Mitigation Plan" as an official plan.

**BE IT FURTHER RESOLVED** that the City Manager is authorized to submit this Resolution to the Virginia Department of Emergency Management and to Federal Emergency Management Agency, Region III officials to enable the Plan's final approval.

**ADOPTED** by the Council of the City of Portsmouth, Virginia at a meeting held on September 27, 2022.

Chief Deputy

#### Resolution # 72022

#### Adopting the Updated 2022 Hampton Roads Hazard Mitigation Plan

Whereas, the Town Council of the Town of Smithfield, Virginia recognizes the threat that natural hazards pose to people and property within our community; and

Whereas, undertaking hazard mitigation actions will reduce the potential for harm to people and property from future hazard occurrences; and

Whereas, an adopted Hazard Mitigation Plan is required as a condition of future funding for mitigation projects under multiple FEMA pre- and post-disaster mitigation grant programs; and

Whereas, the Town of Smithfield participated in the FEMA-prescribed mitigation planning process to prepare this Hazard Mitigation Plan; and

Whereas, the Virginia Department of Emergency Management and Federal Emergency Management Agency, Region III officials have reviewed the "2022 Hampton Roads Hazard Mitigation Plan" and approved it contingent upon this official adoption of the participating governments and entities;

Now, therefore, be it resolved, that the Town Council of the Town of Smithfield, Virginia adopts the "2022 Hampton Roads Hazard Mitigation Plan" as an official plan; and

Be it further resolved, the Town of Smithfield will submit this Adoption Resolution to the Virginia Department of Emergency Management and Federal Emergency Management Agency, Region III officials to enable the Plan's final approval.

Passed: July 5<sup>th</sup> 2022 (date)

#### SOUTHAMPTON COUNTY BOARD OF SUPERVISORS Resolution #0622-11B

Adopting the Updated 2022 Hampton Roads Hazard Mitigation Plan

Whereas, the Board of Supervisors of Southampton County, Virginia recognizes the threat that natural hazards pose to people and property within our community; and

Whereas, undertaking hazard mitigation actions will reduce the potential for harm to people and property from future hazard occurrences; and

Whereas, an adopted Hazard Mitigation Plan is required as a condition of future funding for mitigation projects under multiple FEMA pre- and post-disaster mitigation grant programs; and

Whereas, Southampton County participated in the FEMA-prescribed mitigation planning process to prepare this Hazard Mitigation Plan; and

Whereas, the Virginia Department of Emergency Management and Federal Emergency Management Agency, Region III officials have reviewed the "2022 Hampton Roads Hazard Mitigation Plan" and approved it contingent upon this official adoption of the participating governments and entities;

Now, therefore, be it resolved, that the Board of Supervisors of Southampton County, Virginia adopts the "2022 Hampton Roads Hazard Mitigation Plan" as an official plan; and

Be it further resolved, that Southampton County will submit this Adoption Resolution to the Virginia Department of Emergency Management and Federal Emergency Management Agency, Region III officials to enable the Plan's final approval.

Adopted this 28th day of June, 2022.

A COPY LESTE

Brian S. Thrower, Clerl

#### **RESOLUTION NUMBER 22-R-027**

#### "2022 HAMPTON **RESOLUTION ADOPTING THE** ROADS HAZARD MITIGATION PLAN"

WHEREAS, the City of Suffolk recognizes the threat that natural hazards pose to people and property within our community; and

WHEREAS, undertaking hazard mitigation actions will reduce the potential for harm to people and property from future hazard occurrences; and

WHEREAS, an adopted Hazard Mitigation Plan is required as a condition of future funding for mitigation projects under multiple FEMA pre- and post-disaster mitigation grant programs; and

WHEREAS, the City of Suffolk fully participated in the FEMA-prescribed mitigation planning process to prepare this Hazard Mitigation Plan; and

WHEREAS, the Virginia Department of Emergency Management and Federal Emergency Management Agency, Region III officials have reviewed the "2022 Hampton Roads Hazard Mitigation Plan" and approved it contingent upon this official adoption of the participating governments and entities.

NOW, THEREFORE, BE IT RESOLVED, by the Council of the City of Suffolk, Virginia, that it hereby adopts the "2022 Hampton Roads Hazard Mitigation Plan" as an official plan, in substantially the same form as the document on file in the City Clerk's office.

BE IT FURTHER RESOLVED, the City of Suffolk shall submit this adopted Resolution to the Virginia Department of Emergency Management and Federal Emergency Management Agency, Region III officials to enable the Plan's final approval.

READ AND ADOPTED: JUNE 15, 2022

Etika S. Dawley, MMC, City Olerk

TESTE:



AT A REGULAR MEETING OF THE SURRY COUNTY BOARD OF SUPERVISORS HELD IN THE GENERAL DISTRICT COURTROOM OF THE GOVERNMENT CENTER ON JULY 7, 2022, AT 7:00 P.M.

PRESENT:	<b>VOTE:</b>
The Honorable Judy S. Lyttle, Chair	Aye
The Honorable Robert Elliott	Aye
The Honorable Michael H. Drewry	Aye
The Honorable Timothy Calhoun	Aye
The Honorable Janet Monahan	Aye

#### **RESOLUTION 2022-16**

#### ADOPTING THE UPDATED 2022 HAMPTON ROADS HAZARD MITIGATION PLAN

WHEREAS, the Board of Supervisors of Surry County, Virginia recognizes the threat that natural hazards pose to people and property within our community; and

WHEREAS, undertaking hazard mitigation actions will reduce the potential for harm to people and property from future hazard occurrences; and

WHEREAS, an adopted Hazard Mitigation Plan is required as a condition of future funding for mitigation projects under multiple FEMA pre- and post-disaster mitigation grant programs; and

WHEREAS, the Surry County Department of Emergency Services participated in the FEMAprescribed mitigation planning process to prepare this Hazard Mitigation Plan; and

WHEREAS, the Virginia Department of Emergency Management and Federal Emergency Management Agency, Region III officials have reviewed the "2022 Hampton Roads Hazard Mitigation Plan" and approved it contingent upon this official adoption of the participating governments and entities,

**NOW, THEREFORE, BE IT RESOLVED,** that the Board of Supervisors of Surry County, Virginia adopts the "2022 Hampton Roads Hazard Mitigation Plan" as an official plan; and

**BE IT FURTHER RESOLVED,** Surry County will submit this Adoption Resolution to the Virginia Department of Emergency Management and Federal Emergency Management Agency, Region III officials to enable the Plan's final approval.

ATTEST:

Melissa Rollins, County Administrator/Clerk Board of Supervisors

**7/9/22** Date

1 A RESOLUTION ADOPTING THE UPDATED 2022 2 HAMPTON ROADS HAZARD MITIGATION PLAN 3 4 WHEREAS, the City Council of the City of Virginia Beach, Virginia recognizes the threat that natural hazards pose to people and property within our 5 6 7 WHEREAS, undertaking hazard mitigation actions will reduce the potential 8 for harm to people and property from future hazard occurrences; and 9 10 WHEREAS, an adopted Hazard Mitigation Plan is required as a condition 11 12 of future funding for mitigation projects under multiple FEMA pre- and post-disaster 13 mitigation grant programs; and 14 15 WHEREAS, the City of Virginia Beach participated in the FEMA-prescribed mitigation planning process to prepare this Hazard Mitigation Plan; and 16 17 WHEREAS, the Virginia Department of Emergency Management and 18 Federal Emergency Management Agency, Region III officials have reviewed the 19 "2022 Hampton Roads Hazard Mitigation Plan" and approved it contingent upon 20 this official adoption of the participating governments and entities; 21 22 23 NOW, THEREFORE, BE IT RESOLVED, that the City Council of the City of Virginia Beach, Virginia adopts the "2022 Hampton Roads Hazard Mitigation Plan" 24 as an official plan; and 25 26 27 BE IT FURTHER RESOLVED, the City of Virginia Beach will submit this Adoption Resolution to the Virginia Department of Emergency Management and 28 Federal Emergency Management Agency, Region III officials to enable the Plan's 29 30 final approval. 31

RES-04166

Adopted by the Council of the City of Virginia Beach, Virginia this \_\_\_\_\_ day of \_\_\_\_\_, 2022.

APPROVED AS TO CONTENT:

Office of Emergency Management

CA15846 R-1 May 27, 2022 APPROVED AS TO LEGAL SUFFICIENCY:

Edena

City Attorney's Office



#### RESOLUTION #22-16 HAMPTON ROADS HAZARD MITIGATION PLAN

**WHEREAS**, the City of Williamsburg recognizes the threat that natural hazards pose to people and property within our community; and

**WHEREAS**, undertaking hazard mitigation actions will reduce the potential for harm to people and property from future hazard occurrences; and

**WHEREAS**, an adopted Hazard Mitigation Plan is required as a condition of future funding for mitigation projects under multiple FEMA pre– and post-disaster mitigation grant programs; and

**WHEREAS**, the City of Williamsburg fully participated in the FEMA-prescribed mitigation planning process to prepare this Hazard Mitigation Plan; and

**WHEREAS,** the Virginia Department of Emergency Management and Federal Emergency Management Agency, Region III officials have reviewed the "2022 Hampton Roads Hazard Mitigation Plan" and approved it contingent upon this official adoption of the participating governments and entities.

**THEREFORE**, **BE IT RESOLVED**, that the City Council of Williamsburg adopts the "2022 Hampton Roads Hazard Mitigation Plan" as an official plan; and

**FURTHER, BE IT RESOLVED,** that the Adopted Resolution will be submitted to the Virginia Department of Emergency Management and Federal Emergency Management Agency, Region III, to enable the Plan's final approval.

Adopted: July 14, 2022

Douglas G. Pons. Mayor

Attest: Filicko, City Council Clerk

*Resolution* # <u>22-23-01</u>

#### Adopting the Updated 2022 Hampton Roads Hazard Mitigation Plan

Whereas, the Town Council of the Town of Windsor, Virginia recognizes the threat that natural hazards pose to people and property within our community; and

*Whereas,* undertaking hazard mitigation actions will reduce the potential for harm to people and property from future hazard occurrences; and

Whereas, an adopted Hazard Mitigation Plan is required as a condition of future funding for mitigation projects under multiple FEMA pre- and post-disaster mitigation grant programs; and

*Whereas, the Town of Windsor participated in the FEMA-prescribed mitigation planning process to prepare this Hazard Mitigation Plan; and* 

Whereas, the Virginia Department of Emergency Management and Federal Emergency Management Agency, Region III officials have reviewed the "2022 Hampton Roads Hazard Mitigation Plan" and approved it contingent upon this official adoption of the participating governments and entities;

*Now, therefore, be it resolved, that the Town Council of the Town of Windsor, Virginia adopts the "2022 Hampton Roads Hazard Mitigation Plan" as an official plan; and* 

**Be it further resolved,** the Town of Windsor will submit this Adoption Resolution to the Virginia Department of Emergency Management and Federal Emergency Management Agency, Region III officials to enable the Plan's final approval.

Passed: July 12, 2022 (date)

itchesd Certifying Official

#### BOARD OF SUPERVISORS COUNTY OF YORK YORKTOWN, VIRGINIA

#### Resolution

At a regular meeting of the York County Board of Supervisors held in York Hall, Yorktown, Virginia, on the 2nd day of August, 2022:

Present	Vote
Sheila S. Noll, Chairman Walter C. Zaremba W. Chad Green G. Stephen Roane, Jr.	Yea Yea Yea

Absent

Thomas G. Shepperd, Jr., Vice Chairman

On motion of Mr. Green, which carried 4:0, the following resolution was adopted:

A RESOLUTION ADOPTING THE 2022 HAMPTON ROADS HAZARD MITIGATION PLAN UPDATE

WHEREAS, the York County Board of Supervisors recognizes the threat that natural hazards pose to people and property within our County; and

WHEREAS, undertaking hazard mitigation actions will reduce the potential for harm to people and property from future hazard occurrences; and

WHEREAS, an adopted Hazard Mitigation Plan is required as a condition of future funding for mitigation projects under multiple FEMA pre- and post-disaster mitigation grant programs; and

WHEREAS, County agencies and staff participated in the FEMA-prescribed mitigation planning process to prepare the Hazard Mitigation Plan; and

WHEREAS, the Virginia Department of Emergency Management and the Federal Emergency Management Agency (FEMA), Region III officials have reviewed the "2022 Hampton Roads Hazard Mitigation Plan Update" and approved it contingent upon the official adoption by the participating governments; and

R22-128 Page 2

NOW, THEREFORE, BE IT RESOLVED by the York County Board of Supervisors this 2nd day of August, 2022, that the "2022 Hampton Roads Hazard Mitigation Plan," be and it is hereby adopted.

BE IT FURTHER RESOLVED that the County Administrator and his designee(s) are authorized to maintain and revise the "Hazard Mitigation Plan" as necessitated and/or required by the Commonwealth of Virginia and/or the Federal Government and to promulgate the changes, as necessary.

A Copy Teste:

Heather L. Schott, MMC Deputy Clerk PLACEHOLDER FOR FINAL FEMA REGION III APPROVAL LETTER

# APPENDIX C - HMPC MEETINGS

This section of the Plan includes the Hazard Mitigation Planning Committee and Public Meeting advertisements, minutes, notes, and attendance sheets collected during the process of updating this Plan.

# Hampton Roads Hazard Mitigation Plan Update

#### **Kickoff Meeting Minutes**

Thursday, February 25, 2021 at 3:30pm Via Zoom

#### AGENDA

- Sign into the Google form for tracking Local Cost-Share
- Consultant's role in planning process
- Project schedule
- Activating the committees
- Preliminary examination of the list of hazards
- Resolving data needs
- Homework

#### MEETING NOTES

- Newport News is in the final stages of CRS application submittal; Heather Brown is the contact and should be added to the PDC's contact list.
- The lists of hazards in the previous plan and the 2018 State Hazard Mitigation Plan were reviewed and discussed.
  - o "Communicable or infectious disease" should be added, not "Pandemic".
  - Landslide hazard does exist in some areas; Leigh will examine in conjunction with Coastal Erosion to determine if separate hazard identification is necessary.
  - The group prefers to separate out "dam failure" as a separate hazard, rather than to include with "Flooding"
  - "Extreme Cold" may need to be examined apart from "Winter Storm" in light of the 2021 Texas disaster. Leigh will examine the history data and see if they support a separate hazard.
  - The group was reminded that every new hazard will need accompanying mitigation actions.
- Surry County and York County requested additional information on the Community Rating System program. Leigh to send information to Danielle at the PDC for forwarding.

#### ATTENDEES

Email invitations were issued by HRPDC to each participating community. The PDC will maintain a copy of the Zoom recording of the meeting and has made it available to participating community leaders. The PowerPoint is available on the project's Microsoft Teams board and upon request. The following people attended the Kickoff Meeting or have watched the meeting video as of 3/8/21:

- Bobby Gelormine, Chesapeake
- Vernie Francis, Franklin
- George Glazner, Newport News
- Michael Bryant, Poquoson
- David Topczynski, Portsmouth
- Richard Stephens, Suffolk
- Danielle Progen, Virginia Beach
- Whitney McNamara, Virginia Beach

- David Eagle, Williamsburg
- Larry Snyder, Williamsburg
- Sara Ruch, James City County
- Michael Johnson, Southampton County
- Ray Phelps, Surry County
- Sean Segerblom, York County
- Steve Kopczynski, York County
- Brett Major, Gloucester County

## Hampton Roads Hazard Mitigation Plan Update

#### **Public Meeting #1 Minutes**

April 20, 2021 – Virtual Meeting via Zoom

#### AGENDA

- Introductions
- Plan Background Information
- Terminology
- Discussion of Natural Hazards in 2017 Plan, New Hazards for 2021
- Flood Risk Assessment
- Project Timeline
- Questions for Participants
- Survey Information
- General Discussion

#### MEETING NOTES

- The group generally discussed heat stress and vulnerable populations; inquired whether health departments might have database for extreme heat hospitalizations (subsequent research indicates there is a VDH database which will be summarized in HIRA)
- A participant asked if organized or managed retreat [from vulnerable coastlines] might be considered as a flood mitigation alternative for more communities besides Isle of Wight County
- Group discussed the importance of wetlands restoration for flood mitigation versus slope control, but discussion also turned to flood mitigation alternatives that might involve elevating mechanical equipment and installing better hydrostatic venting
- Discussion ensued about importance of providing real-time hazard information to citizens
- Several participants mentioned how important it is to involve community Public Information Officers in mitigation planning and hazard training
- Three polls taken during the meeting, and the written Q&A session at the end are summarized as follows:

Polling 1: Hazard Threat Questions	~ 1
Polling is closed	21 vo
1. Has Your Virginia neighborhood ever been impa (besides COVID-19)?	acted by a natural disaster
Yes	(20) 955
No	(1) 55
2. How concerned are you about impacts from disa	asters?
Not Concerned	(0) 0
Slightly Concerned	(0) 09
Neutral	(1) 59
Concerned	(9) 435
The second s	
Very Concerned 3. Of the hazards listed below, select the three that	
3. Of the hazards listed below, select the three tha threat? (Multiple choice)	t you think pose the highest
3. Of the hazards listed below, select the three tha threat? (Multiple choice) Flooding or Sea Level Rise/Land Subsidence	t you think pose the highest (19/21) 905
3. Of the hazards listed below, select the three that threat? (Multiple choice) Flooding or Sea Level Rise/Land Subsidence Tropical/Coastal Storm	t you think pose the highest (19/21) 909 (19/21) 909
3. Of the hazards listed below, select the three tha threat? (Multiple choice) Flooding or Sea Level Rise/Land Subsidence Tropical/Coastal Storm	t you think pose the highest (19/21) 909 (19/21) 909 (2/21) 109
3. Of the hazards listed below, select the three tha threat? (Multiple choice) Flooding or Sea Level Rise/Land Subsidence Tropical/Coastal Storm Tornado	t you think pose the highest (19/21) 909 (19/21) 909 (2/21) 109 (6/21) 299
3. Of the hazards listed below, select the three that threat? (Multiple choice) Flooding or Sea Level Rise/Land Subsidence Tropical/Coastal Storm Tornado Winter Storm Hazardous Materials Incident	t you think pose the highest (19/21) 909 (19/21) 909 (2/21) 109 (2/21) 109 (6/21) 299 (3/21) 149
	t you think pose the highest (19/21) 909 (19/21) 909 (2/21) 109 (6/21) 299 (3/21) 149 (7/21) 339
3. Of the hazards listed below, select the three that threat? (Multiple choice) Flooding or Sea Level Rise/Land Subsidence Tropical/Coastal Storm Tornado Winter Storm Hazardous Materials Incident Landslide/Coastal Erosion	t you think pose the highest (19/21) 909 (19/21) 909 (2/21) 109 (2/21) 109 (6/21) 299 (3/21) 149 (7/21) 339 (1/21) 59
3. Of the hazards listed below, select the three that threat? (Multiple choice) Flooding or Sea Level Rise/Land Subsidence Tropical/Coastal Storm Tornado Winter Storm Hazardous Materials Incident Landslide/Coastal Erosion Earthquake	(11) 529 t you think pose the highest (19/21) 909 (2/21) 109 (2/21) 109 (3/21) 149 (7/21) 339 (1/21) 59 (0/21) 09 (2/21) 109

Polling 2: Hazard Impact Questions	🗸 Edit
Polling is closed	22 voted
1. Is your home in a floodplain?	
Yes	(15) 68%
No	(7) 32%
l don't know	(0) 0%
2. Do you have flood insurance?	
Yes	(14) 6 <mark>4</mark> %
No	(8) 36%
l don't know.	(0) 0%
3. Have you ever taken actions to make your home/neighborhood hazards? Yes	more resistant to (18) 82%
Νο	(4) 18%
4. Do you want more information on how to make your home or r resistant to hazards?	neighborhood more
Yes	(14) 64%
No	(8) 36%

Polling 3: Community Mitigation Activity Question	~	Edit
Polling is closed	18	voted
1. Select two community mitigation activity categories that you think are th important? (Multiple choice)	e mos	it
Prevention: Administrative actions hat influence the way buildings are developed (ex. zoning)	(7/18	) 39%
Property Protection: Modifications to existing land or buildings to protect from a hazard (ex. storm shutters)	(5/18)	) 28%
Natural Resource Protection: Preserve or restore functions of a natural system (ex. slope stabilization)	(8/18	) 44%
Structural Projects: Lesson impacts by modifying a potential hazard (ex. dam or levee)	(5/18	) 28%
Emergency Services: protect people and property during and after a hazard event (ex. warning & evacuation planning)	(3/18	) 17%
Education & Awareness: Inform citizens about hazards and protection techniques (ex. hazard maps)	(5/18	) 28%
Luce given a report that my area		

1 "Thank you for this opportunity to connect. Please add my email address on your list. My home flooded during Hurricane Matthew in 2016. My front yard flood when there is three consecutive days in the summertime. Before the purchase of my home

2 "I do have flood insurance
3 "The 2017 plan rated ""extreme Heat"" as a negligible risk item. Was this based on data from health departments and emergency rooms or was this a general observation. Will this be factually evaluated in the 2022 plan?"
4 Is an organized retreat of some neightborhoods accounted for in the mitigation plan? How is this addressed?

5 Like parts of ghent

6 "Concerning structural projects 7 "How can we improve real time information from local

8 New resident Kent Lewis 9 "Many times there are no local weather folks or NWS broadcasters on the air while an event is ongoing. Seems like EOCs or county emergency management folks could have a PIO sending out info" Kent Lewis

I was given a report that my area had the potential to flood once in a lifetime. I have a physical disability. My home is accessible to my needs of my physical disability. It took 4 years to get this unique home loan. There is only ten other loans like it in the entire country. It took time and a substantial amount of money to make modifications to make my home accessible. If and when my home floods again its coverage is partial. Virginia Beach's flood zone maps have not been updated since 2015. Virginia Beach has begun flood projects. Is there anything I can do to speed plans up for my area?" Ivy K

it would leave me in financial ruins. Currently i'm in contact with FEMA on the national and local level for property eligibility for mitigation grant funding. According to FEMA and my home's Elevation Certificate

my home was built not to elevation standards I do have flood insurance

its coverage is partial. Virginia Beach's flood zone maps have not been updated sin" Ivy K

the potentiall adverse effect on adjacent properties needs to be considered before it is designed." James Haluska state and federal agencies during an ongoing event?" Kent Lewis

			etc" Kent	
10 "Through a variety of platforms 11 "Chesapeake does have text alerts like	facebook	twitter	Lewis	
lighting 12 I think the newspaper had a misprint in the digital version today about his meeting and the survey hrpdsva.org instead of gov. But maybe ORG works too. Judy Hinch 13 https://www.weather.gov/akq/SewellsPoint is a good site I use to give model projections of water levels at Sewell's Point. James Haluska 14 Where is a good place for folks with Incident Command and SAR experience to volunteer? Kent Lewis	flooding. Evacuation" Judy Hincl	h 50-year). I'd also like to see a description of hazard		
		impacts that includes the public health hazards associated with floodwaters/mold/mildew. I'd also like to see the action plan address post- disaster mitigation policies and procedures or at		
<ul> <li>15 "More of a comment: I'd like to see the new plan provide a hazard assessment that includes less frequent floods (10-year</li> <li>16 What is the approximate date for the second public Information meeting? Markiella Moore</li> </ul>	25-year	least a reference to where these reside. Thanks." Matthew Simons		
			but they are at	do medical shelters keep
17 "i was wondering 18 What are your Top 3 Most Wanted items? And is there a portal for citizens to submit identified hazards or hazard mitigation recommendations? Kent Lewis	since i need a personal care attendant	and PCAs are not provided at shelters	medical shelters	an updated list of their locations online?" Ivy K
19 No your ongoing planning Kent Lewis				
20 Like community awareness Kent Lewis				
21 Yes Kent Lewis				
ATTENDEES				
Kyle Spencer, Norfolk		Tristian Barnes, Norfolk		
Paul Bagli, Norfolk		John Cooke, VDH		
Sean Segerblom, York Co Karen Medina		Vic Nicholls, Chesapeake Heather Brown, Newpor		
Karen Reynes, Norfolk		Ben McFarlane, HRPDC	LINEWS	
Annette Hare		Judy Hinch		
lvy Kennedy, Va Beach		Matthew Simons, Norfol	k	
Kent Lewis		Jessica Whitehad, ODU		
Kent Henkel, York Co		Brian Donegan, Norfolk		
James Haluska, Chesapeake		Markielle Moore		
Ron Segerblom		Jalesha Smith, Norfolk		
Kathi Angle, Newport News		Leigh Chapman, Salter's	Creek Cons	ulting
Liz Schoossele, Norfolk		Noollo Slator AECOM		

Noelle Slater, AECOM

Danielle Spach, HRPDC

John Sadler, HRPDC

Tracy Hanger, Hampton James Chapman, Hampton

Liz Scheessele, Norfolk

Hampton

#### INVITEES

Email invitations were issued to each of the individuals shown on the following email invite. In addition, each primary contact for the communities forwarded the message and made additional phone calls to their staff and interested persons. Additional advertisements by individual communities on file with the HRPDC and will be included in the appendices of the final 2022 Hazard Mitigation Plan.

From: Sent: To:	Danielle Spach <dspach@hrpdcva.gov> Tuesday, April 13, 2021 1:47 PM Robert Gelormine; Braidwood, Robb; Francis, Vernie W.; Donald Goodwin; 'Walker, Hui-Shan'; Glazner, George; Brown, Heather; Bott, Louis; Redick, Jim; Spencer, Kyle; Bryant, Mike; Young, John; Topczynski, David; 'Stephens, Richard'; 'Progen, Danielle'; Whitney K. McNamara; Eagle, David; Snyder, Larry; Humphries, Pat; Ruch, Sara; Johnson, Michael W.; Phelps, Ray; mayor@townofboykinsva.com; harold.futrell@vadoc.virginia.gov; kitchenswelding1@cs.com; townclaremont@aol.com; satcinc53@yahoo.com; office@townofivor.com; Stallings, Michael; townofsurry@aol.com; Segerblom, Sean; Kopczynski, Stephen; Bresee, Harrison; Simons, Matthew; Barnes, Tristian</dspach@hrpdcva.gov>
Cc:	Chapman, Leigh; Slater, Noelle; John Sadler
Subject:	RE: HMP Public Meeting 1 and Public Survey
Attachments:	FINAL_Hampton Roads HMP Public Meeting #1 public notice.docx
	High

Importance: High

Good Afternoon Hampton Roads Hazard Mitigation Planning Committee Members,

The attached public notice for the first public meeting posted on the HRPDC and HRTPO websites this morning. It is similar to the one I sent out as a template last week but includes the full registration link in case members of the community are viewing a print version of the notice. The updated public notice is also posted on the Microsoft Teams site.

As a reminder, please remember to post documentation of your public notice to either the Microsoft Teams site under the "Public Participation Documentation" folder or by emailing myself or John Sadler (<u>Jsadler@hrpdcva.gov</u>)

Please let me know if you have any questions.

Sincerely,

Danielle Spach All Hazards Emergency Planner Hampton Roads Planning District Commission 723 Woodlake Drive Chesapeake, VA 23320 Phone: 757-420-8300 Fax: 757-523-4881



All email correspondence to and from this address is subject to the Virginia Freedom of Information Act and to the Virginia Public Records Act, which may result in monitoring and disclosure to third parties, including law enforcement.

#### From: Danielle Spach

Sent: Thursday, April 08, 2021 10:24 AM

To: 'Robert Gelormine' <argelormine@cityofchesapeake.net>; Braidwood, Robb <rbraidwood@cityofchesapeake.net>; Francis, Vernie W. <vfrancis@franklinva.com>; 'Donald Goodwin' <dgoodwin@franklinva.com>; 'Walker, Hui-Shan' <huishan.walker@hampton.gov>; Glazner, George <gglazner@nnva.gov>; Brown, Heather <brownhl@nnvagov>; Bott, Louis <LBott@nnva.gov>; Redick, Jim <james.redick@norfolk.gov>; Spencer, Kyle <Kyle.Spencer@norfolk.gov>; Bryant, Mike <Michael.Bryant@poquoson-va.gov>; Young, John <John.Young@poquoson-va.gov>; Topczynski, David <topczynskid@portsmouthva.gov>; 'Stephens, Richard' <rstephens@suffolkva.us>; 'Progen, Danielle' <dprogen@vbgov.com>; 'Whitney K. McNamara' <WMcNamar@vbgov.com>; Eagle, David <deagle@williamsburgva.gov>; Snyder, Larry <lsnyder@williamsburgva.gov>; Humphries, Pat <phumphries@isleofwightus.net>; Ruch, Sara <Sara.Ruch@jamescitycountyva.gov>; Johnson, Michael W. <mjohnson@southamptoncounty.org>; Phelps, Ray <rphelps@surrycountyva.gov>; 'mayor@townofboykinsva.com' <mayor@townofboykinsva.com>; 'harold.futrell@vadoc.virginia.gov' <harold.futrell@vadoc.virginia.gov>; 'kitchenswelding1@cs.com' <kitchenswelding1@cs.com>; 'townclaremont@aol.com' <townclaremont@aol.com>; 'satcinc53@yahoo.com' <satcinc53@yahoo.com>; 'office@townofivor.com' <office@townofivor.com>; Stallings, Michael <mstallings@smithfieldva.gov>; 'townofsurry@aol.com' <townofsurry@aol.com>; Segerblom, Sean <segerbls@yorkcounty.gov>; Kopczynski, Stephen <kopczyns@yorkcounty.gov>; 'Bresee, Harrison' <harrison.bresee@vdem.virginia.gov> Cc: Chapman, Leigh <leigh.morgan2@verizon.net>; Slater, Noelle <noelle.slater@aecom.com>; John Sadler

(jsadler@hrpdcva.gov) <jsadler@hrpdcva.gov>

 $\textbf{Subject:} \ \textbf{HMP Public Meeting 1 and Public Survey}$ 

#### Importance: High

Good Morning Hampton Roads Hazard Mitigation Planning Committee Members,

I posted information for the first public meeting for the Hazard Mitigation Plan Update on the Microsoft Teams site earlier this week but wanted to send an email highlighting the information for your reference. If you are not part of the Microsoft Teams site or are having issues accessing the information please let me know. The first Public Meeting will occur virtually on **April 20, 2021 from 6:00pm to 8:00pm via Zoom.** This meeting will give members of the public an opportunity to discuss hazard related concerns within their community. Those interested in attending can register for the virtual meeting by visiting <u>https://zoom.us/webinar/register/WN\_P-6S6ovtTRuNow85rXG8Sg</u>

All localities participating in the Hampton Roads Hazard Mitigation Plan must follow their locality's normal procedures for posting public meeting notices. This is a requirement for the plan to be approved. In addition, the HRPDC will also put out a public notice for the meeting. A sample public notice and outreach flyer are attached for your reference and as an example. Please provide documentation of where you posted your public notice for Public Meeting 1. Examples include a screenshot of a website, picture of a flyer, etc. Please do the following when submitting documentation:

- Name the file as "Locality"\_Public Meeting 1 Documentation (Ex. Virginia Beach\_Public Meeting 1 Documentation). If you upload multiple files please add a number to the file name (Ex. Virginia Beach\_Public Meeting 1 Documentation 1 and Virginia Beach\_Public Meeting 1 Documentation 2)
- 2) Post the file within the "Public Participation Documentation" folder on the 2022 Hampton Roads HMP Microsoft Teams Site
- If you have trouble reaching the Microsoft Teams Site then please email the documentation to Danielle Spach (<u>DSpach@hrpdcva.gov</u>) or John Sadler (<u>JSadler@hrpdcva.gov</u>)

Separate from the first public meeting, there is also a public survey available that gives the public an opportunity to provide input on the type of hazards they are most concerned about within their community. The survey is now open and can be accessed using this

link: https://forms.office.com/Pages/ResponsePage.aspx?id=DQSIkWdsW0yxEjajBLZtrQAAAAAAAAAAAAAAAAA dKuUnBUQ UtCNklZS1rTSzRaUFQwVUg3QVU1QVFGRS4u.

Please let me know if you have any questions. Thank you all for your participation and engagement.

Sincerely,

Danielle Spach All Hazards Emergency Planner Hampton Roads Planning District Commission 723 Woodlake Drive Chesapeake, VA 23320 Phone: 757-420-8300 Fax: 757-523-4881

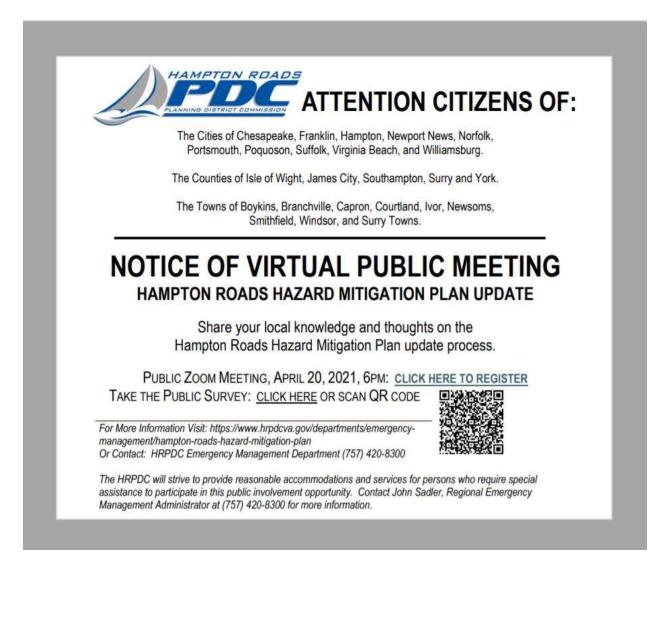


All email correspondence to and from this address is subject to the Virginia Freedom of Information Act and to the Virginia Public Records Act, which may result in monitoring and disclosure to third parties, including law enforcement.

#### HRPDC and HRTPO Website Posting of Public Notice for Public Meeting 1

Below is the public notice that the HRPDC used to notify members of the community of the first public meeting for the 2022 Hampton Roads Hazard Mitigation Plan. The public notice could be accessed through various pages on both the HRPDC and the HRTPO websites. Documentation of where the public notice was available is also below.

#### **PUBLIC MEETING 1 PUBLIC NOTICE**



#### HRPDC MAIN WEBPAGE (Posted on 4/13/2021)



#### HRPTO MAIN WEBPAGE (Posted on 4/13/2021)



#### HRPDC FILE LIBRARY WEBPAGE (Posted on 4/13/2021)

	Planning	Public Involvement	Economics	Emergency Management	Environmental Education	Housing	Water Resources	
iome » File Library								블 f У in 🛨 🚹
Filter by Publication Type(s)		✓ Filter by	y Board/Committee	e(s)	<ul> <li>✓</li> </ul>	n by title, keyword	l, or filename	Q Advanced V
Publication Types Agenda		Public Notice: Virtual Public		pton Roads ★ omic	Meeting Not HRPDC April		eeting Notice: <sup>7</sup> «HRgreen.or	Meeting Notice: ★ askHRgreen.or
Presentation Report		Apr 13, 2021 - Public Notices		, 2021 - <b>Report</b> achments (1)	Apr 8, 2021 - Meeting Notices	Me	8, 2021 - eting Notices Attachments (0)	Apr 6, 2021 - Meeting Notices
RFP     Public Notices		🗣 Download		Download	P Downloa	nd	Download	🗢 Download
View All Publication Ty	ypes 🍾	Title 🎝					Category 🛔	Date ↓† 📂 ↓†
Popular Tags	~	🜟 Public Notice: V	'irtual Public Mee	ting and Survey for	the Hampton Roads	Hazard M	Public Notices	April 13, 2021 1

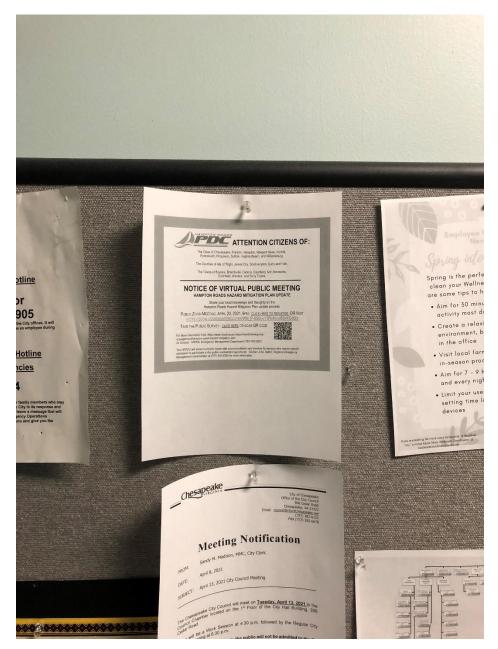
#### HRTPO PUBLIC NOTICE WEBPAGE (Posted on 4/13/2021)

Active Public Notices			
Title	Date	-	
★ Public Notice: Virtual Public Meeting and Survey for the Hampton Roads Hazard Mitigation Plan Update Last Modified: Apr 13, 2021	Apr 13, 2021	1	
<b>FY 2022 Unified Planning Work Program</b> Last Modified: Apr 12, 2021	Apr 07, 2021	1	
★ Public Notice: HRTPO FY 2021-2024 Transportation Improvement Program - Proposed Amendments Last Modified: Mar 31, 2021	Mar 31, 2021	2	

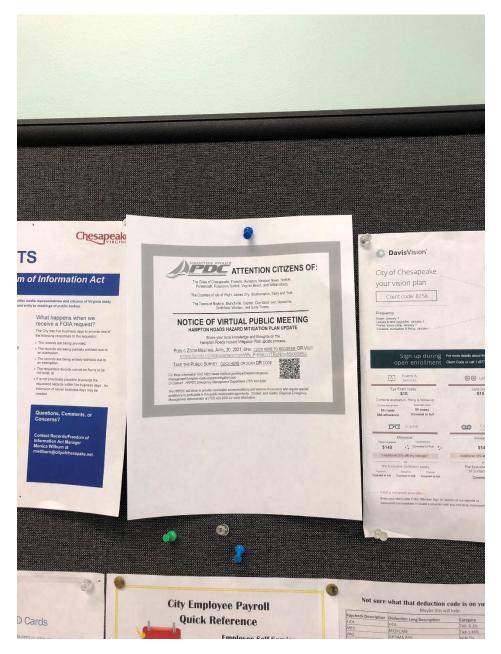
### **CITY OF CHESAPEAKE PUBLIC NOTICE DOCUMENTATION**

The below pictures are from various locations around the city as well social media posts and website that the Public Notice Information is posted for citizens awareness and engagement

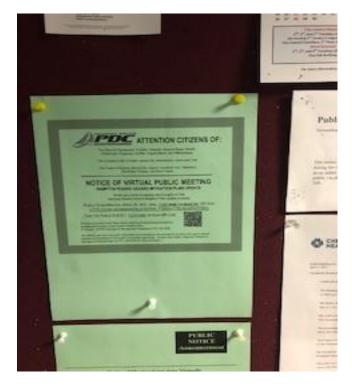
#### **CENTRAL LIBRARY – ADMIN OFFICE**



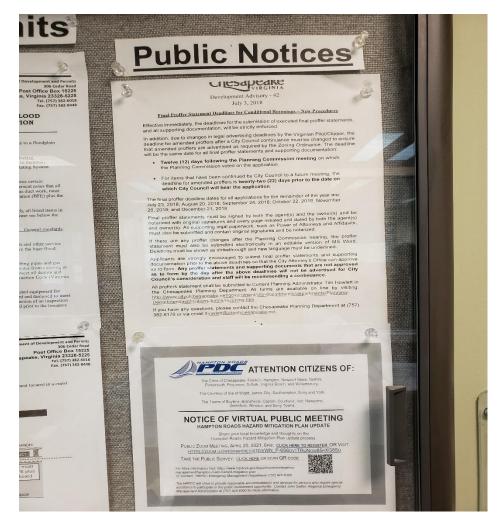
#### **CENTRAL LIBRARY – PUBLIC SPACE**



#### **CITY CLERKS OFFICE – PUBLIC SPACE**



#### **DEVELOPMENT & PERMITS – WAITING AREA / PUBLIC SPACE**



#### **CITY OF CHESAPEAKE FACEBOOK POST**

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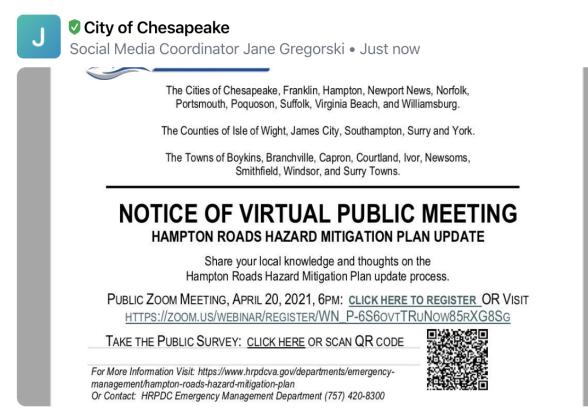
City of Chesapeake Government 5m · 🚱

The Hampton Roads Planning District Commission wants your knowledge and thoughts on the Hazard Mitigation Plan, a process to make the region less vulnerable to natural disasters and manmade hazards. Join the virtual meeting on Tuesday, April 20, at 6 p.m. to learn more and take the survey to share your thoughts.

To register for the meeting, visit bit.ly/3tmlqJ1. To access the survey, visit bit.ly/3e8ykVY.

		CITIZENS OF
	The Cities of Chesapeake, Franklin, Hampton, Newport N Portsmouth, Poquoson, Suffolk, Virginia Beach, and W	
	The Counties of Isle of Wight, James City, Southampton, S	Surry and York.
	The Towns of Boykins, Branchville, Capron, Courtland, Iv Smithfield, Windsor, and Surry Towns.	vor, Newsoms,
PUBLIC	Hampton Roads Hazard Mitigation Plan update ZOOM MEETING, APRIL 20, 2021, 6PM: <u>CLICK HERE</u> PS://ZOOM.US/WEBINAR/REGISTER/WN_P-6S60VTT	TO REGISTER OR VISIT
HTT		
	HE PUBLIC SURVEY: CLICK HERE OR SCAN QR CODE	
TAKE T For More Info management	HE PUBLIC SURVEY: <u>CLICK HERE</u> OR SCAN QR CODE ormation Visit: https://www.hrpdcva.gov/departments/emergency- /hampton-roads-hazard-mitigation-plan HRPDC Emergency Management Department (757) 420-8300	

#### **CITY OF CHESAPEAKE NEXTDOOR POST**



**Virtual Public Meeting - Hampton Roads Hazard Mitigation Plan.** The Hampton Roads Planning District Commission wants your knowledge and thoughts on the Hazard Mitigation Plan, a process to make the region less vulnerable to natural disasters and manmade hazards. Join the virtual meeting on Tuesday, April 20, at 6 p.m. to learn more and take the survey to share your thoughts.

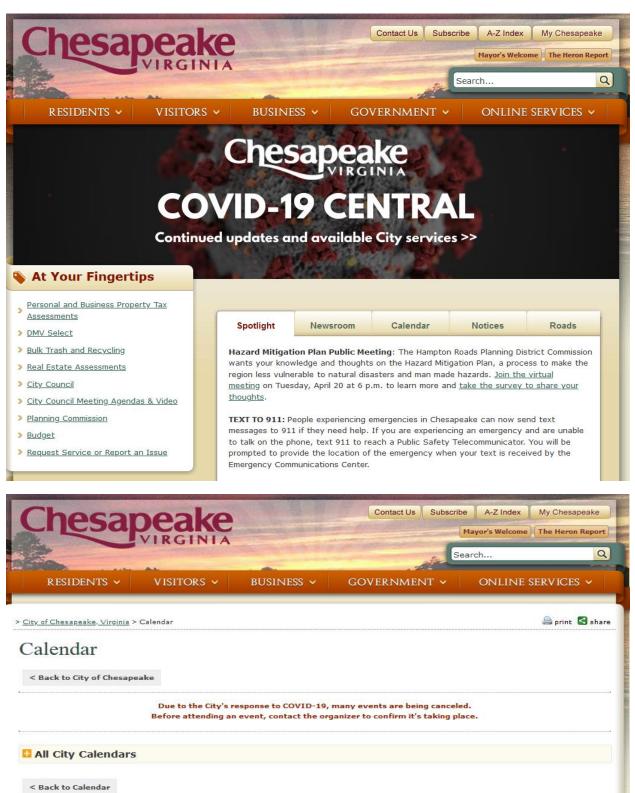
To register for the meeting, visit bit.ly/3tmlqJ1. To access the survey, visit bit.ly/3e8ykVY.

Posted to Subscribers of City of Chesapeake

#### **CITY OF CHESAPEAKE TWITTER POST**



#### **CITY OF CHESAPEAKE WEBSITE INFORMATION**



#### **Hazard Mitigation Plan Virtual Meeting**

PM - 7:00 PM	
	lei

The Hampton Roads Planning District Commission wants your knowledge and thoughts on the Hazard Mitigation Plan, a process to make the region less vulnerable to natural disasters and man made hazards. Join the virtual meeting on Tuesday, April 20 at 6 p.m. to learn more and take the survey to share your thoughts.

Meeting registration: https://bit.ly/3tmIqJ1 Survey: https://bit.ly/3e8ykVY

# Franklin

Welcome Downtown Parks & Recreation Quality of Life Community Organizations

### News & Announcements

### 2022 Hampton Roads Hazard Mitigation Plan Update

April 14, 2021 For more information on the 2022 Hampton Roads Hazard Mitigation Plan Update please see the attached document. Read More

### Laurel Street Public Hearing #2

March 19, 2021 Please click the link for more information on the Laurel Street Public Hearing #2 Read More

# COVID Vaccine Call Center Information

February 9, 2021 COVID Vaccine Call Center Information Read More

# 2021 Bay Recycling Calendar

January 5, 2021 2021 Bay Recycling Calendar Read More

#### Hazard Mitigation Plan Outreach

April 14, 2021 Please see the attached flyer for more information on the Hazard Minigation Plan. Outreach, Read More

### Western Tidewater Home Consortium Annual Action Plan

February 11, 2021 Western Tidewater Home Consortium Annual Action Plan Sead More

# Citizens Letter for EMS Subscription Plan

January 11, 2021 An overview of the new EMS Subscription Plan provided to you by Franklin Fire and Rescue. EMS Subscription application also provided. Read More

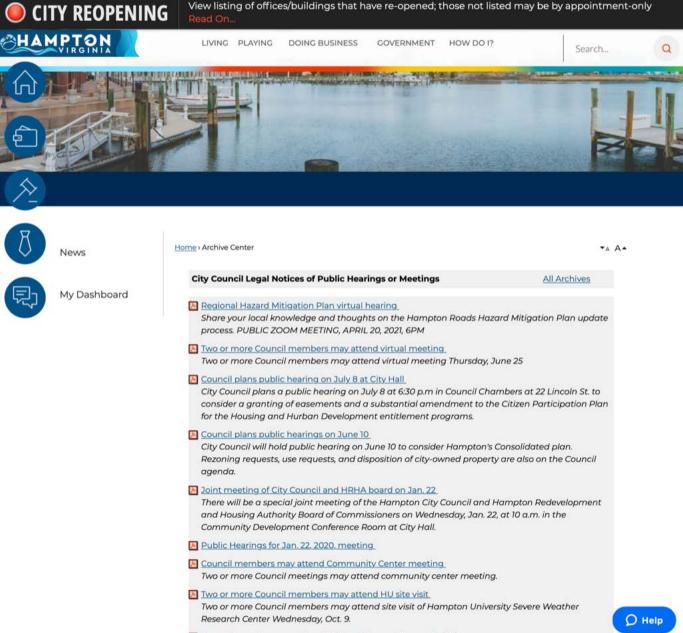
### Amnesty Weeks 2021

January 5, 2021 Amnesty Weeks 2021 Read More



Residents Visitors Bosevers News & Events Construct





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James City County								
${\mathbb Q}$ hazard mitigation								
Posts You've Seen								
Most Recent								
Tagged Location								
Date Posted								
	April 20, 2021 • Don't miss the virtual public hearing ton Hampton Roads Hazard Mitigation Plar planning process to identify hazards an The meeting will be held on Zoom: https://zoom.us/webinar/register/WNLF You can also share your input by comple https://forms.office.com/Pages/Response Work of the state of	a Update. A Haza d develop strate	ard Mitigation Pla gies to reduce lo v85rXG8Sg survey: e	in is the result of a ss of life and prop	a perty.			

3 Comments Like Comment Share



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#### of life and property.

The planning committee has initially identified the following hazards for inclusion in the Hampton Roads Hazard Mitigation Plan:

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Flooding

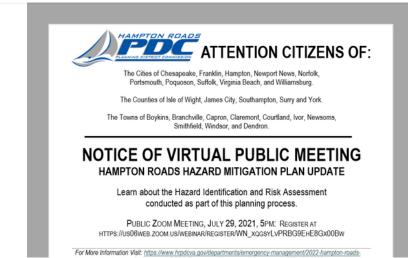
• Sea Level Rise... See more





Mark your calendars for the virtual public meeting on the Hampton Roads Hazard Mitigation Plan Update – July 29, 5 p.m. To register, visit https://us06web.zoom.us/.../reg.../WN\_xqgsyLvPRBG9EhE8Gx00Bw

For more information, visit https://www.hrpdcva.gov/.../2022-hampton-roads-hazard...



#### Event Details Return to Previous



#### Public Meeting - Hampton Roads Hazard Mitigation Plan

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#### Tuesday, April 20, 2021

Newport News is partnering with other cities, counties and towns throughout Hampton Roads, as well as the Hampton Roads Planning District Commission, to update the Hampton Roads Disaster Mitigation Plan. The existing plan has been in place since 2017 and an updated version will be adopted in 2022. The community is invited to participate in a virtual Public Meeting on Tuesday, April 20 at 6 p.m. Register online and then join the meeting to share your concerns and ideas on the process.

Date:	April 20, 2021
Time:	6:00 PM - 8:00 PM
Location:	Virtual event
Address:	Newport News, VA 23607
Link:	https://zoom.us/webinar/register/WN_ 6S6ovtTRuNow85rXG8Sg



View All

#### Tue Apr. 20

Public Meeting - Hampton Roads Hazard Mitigation Plan

Wed Apr. 21 COVID-19 Vaccine Clinic

Wed Apr. 21 Planning Commission Meeting

Thu Apr. 22 Youth Mental Health Panel



A Hazard Mitigation Plan identifies hazards and highlights strategies to reduce loss of life and property. Attend a virtual Public Meeting on the Hampton Roads Hazard Mitigation Plan on Tuesday, April 20 at 6 p.m. Register at http://ow.ly/AKir50EqNTo.

#### Hampton Roads Hazard Mitigation Plan

Newport News is partnering with other cities, counties and towns throughout Hampton Roads, and the Hampton Roads Planning District Commission, to update the Hampton Roads Disaster Mitigation Plan.

Participate in a virtual Public Meeting on Tuesday, April 20 at 6 p.m. Scan the QR code to register or visit hrpdcva.gov.



 HAMPTON ROADS

 HAZARD

 MITIGATION PLAN

 Image: Boost Post

 441
 9

 People Reached
 Engagements



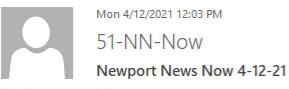
#### **City of Newport News, VA - Government** Published by Hootsuite **2** · 1h · **S**

We need to hear from you! Newport News and other municipalities are working with the Hampton Roads Planning District Commission to update the region's Hazard Mitigation Plan. Complete a survey to share your opinion on hazards and concerns. http://ow.ly/SLbA50EqO9F

### HAMPTON ROADS HAZARD MITIGATION PLAN $\bigcirc$ $\bigcirc$ $\bigcirc$ $\bigcirc$ $\bigcirc$ $\bigcirc$ $\bigcirc$ $\bigcirc$ $\bigcirc$ $\bigcirc$

**168** People Reached **2** Engagements

**Boost Post** 



To Bowman, Sarah S.

#### **Region Updating Hampton Roads Hazard Mitigation Plan**



A community must plan for every type of disaster before it occurs. An important part of the planning process includes a Hazard Mitigation Plan, which identifies hazards and highlights strategies to reduce loss of life and property. Hampton Roads has a Regional Hazard Mitigation Plan that is updated every five years. This ensures localities are prepared to work together to respond and recover and also makes each community in the region

eligible for federal funding following a disaster event.

Newport News is partnering with other cities, counties and towns throughout Hampton Roads, as well as the Hampton Roads Planning District Commission, to update the Hampton Roads Disaster Mitigation Plan. The existing plan has been in place since 2017 and an updated version will be adopted in 2022. The community is invited to participate in a virtual Public Meeting on Tuesday, April 20 at 6 p.m. <u>Register online</u> and then join the meeting to share your knowledge and ideas on the process.

The group is also asking residents to respond to a public survey to provide input on the type of hazards you are most concerned about within our community. <u>Please respond to the online survey</u>. If you have questions about the survey or would like to learn about additional ways you can participate in plan development, please contact the HRPDC at 757-420-8300. For more information on the Hampton Roads Hazard Mitigation Plan, visit the <u>HRPDC</u> website.



#### City of Newport News 🤣 @CityofNN · Apr 17

A Hazard Mitigation Plan identifies hazards and highlights strategies to reduce loss of life and property. Attend a virtual Public Meeting on the Hampton Roads Hazard Mitigation Plan on Tuesday, April 20 at 6 p.m. Register at ow.ly/vUPb50EqNTn.

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Newport News is partnering with other cities, counties and towns throughout Hampton Roads, and the Hampton Roads Planning District Commission, to update the Hampton Roads Disaster Mitigation Plan.

Participate in a virtual Public Meeting on Tuesday, April 20 at 6 p.m. Scan the QR code to register or visit hrpdcva.gov.



HAMPTON ROADS HAZARD MITIGATION PLAN 😔 🗐 🗐 😳 😜 🖨 🔿 📿

www.hrpdcva.gov





#### City of Newport News 🤣 @CityofNN · 1h

We need to hear from you! Newport News and other municipalities are working with the Hampton Roads Planning District Commission to update the region's Hazard Mitigation Plan. Complete a survey to share your opinion on hazards and concerns. ow.ly/DQMn50EqO9E





Storms? Flooding? What are the hazards that worry you and how do you think the region should solve them? The Hampton Roads Planning District Commission is updating the Hampton Roads Hazard Mitigation Plan and they want to hear from you. Sign up for a virtual public meeting on April 20 from 6p-8p. Register online https://zoom.us/webinar/register/WN\_P-6S6ovtTRuNow85rXG8Sg

or take the survey and give your feedback! https://forms.office.com/Pages/ResponsePage.aspx..... See More



#### ZOOM.US

Welcome! You are invited to join a webinar: 2022 Hampton Roads Hazard Mitigation Plan Public Participation... **EMERGENCY ALERT** 

Latest Coronavirus Updates Read On.

#### Government

# NORFOLK



#### **Norfolk Boards and Commissions**

Norfolk Boards and Commissions are currently accepting applications.

Read more...

# **City Spotlight**



2022 Hampton Roads Hazard Mitigation Plan

#### We Want to Hear From You!

Storms? Flooding? What are the hazards that worry you? The Hampton Roads Planning District Commission is updating the region's plan and they want to hear from you.

Read more...

#### Business

#### Residents

Play

Ato

### VACCINATENORFOLK

NO APPOINTMENT NECESSARY | WALK-UPS WELCOME MILITARY CIRCLE MALL

#### Ready to get your COVID-19 vaccine?

No appointment necessary at the Military Circle Mall FEMA-supported vaccination clinic.

Additional Info...

# NORFOLK

Show Past Events

#### **Event Details**

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End date

#### Hampton Roads Hazard Mitigation Plan Public Comment Needed

Search



Start date

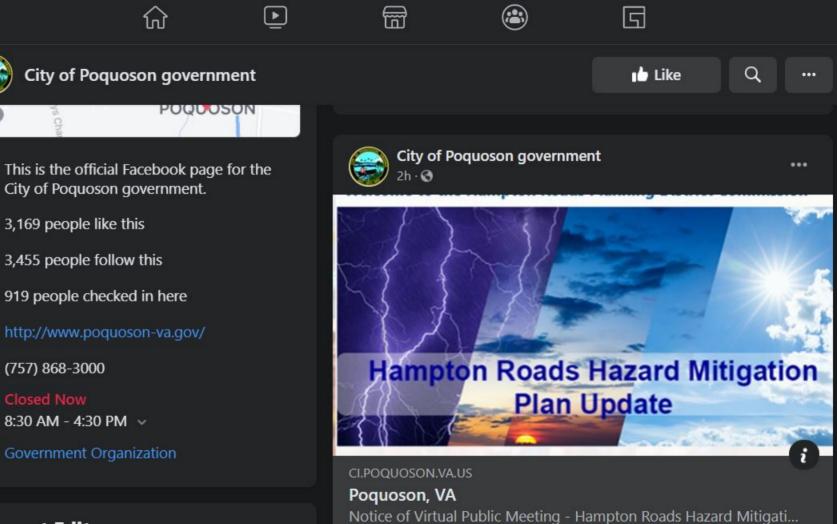
Tuesday, April 20, 2021

Share your local knowledge and thoughts on the Hampton Roads Hazard Mitigation Plan update process. PUBLIC ZOOM MEETING, APRIL 20, 2021, 6pm - Click here to register https://zoom.us/webinar/register/WN\_P-6S6ovtTRuNow85rXG8Sg Get more information and follow the planning process at https://www.hrpdcva.gov. The website contains announcements for upcoming meetings, minutes and presentations from past planning meetings, information on the identified hazards, draft planning documents for review, a public survey, and more. Take the survey. A public outreach survey is available online here: https://bit.ly/3wVUnYI Please complete the survey as soon as possible to ensure that your opinion is captured!

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View all calendars is the default. Choose Select a Calendar to view a specific calendar.

	Select a Calendar 🔻 🕻
	Agenda View
	April 20, 2021
	6:00 PM - 8:00 PM
on:	ZOOM (Online)
s:	Norfolk, VA 23510
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#### **Suggest Edits**

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Is this another name for the same Page?

#### POQUOSON NEWS



NOTICE OF VIRTUAL PUBLIC MEETING - HAMPTON ROADS HAZARD MITIGATION PLAN UPDATE Additional Info...



#### \*UPDATED\* VACCINE APPOINTMENTS AVAILABLE

Upcoming Covid-19 vaccination clinics have open slots and are allowing anyone 18 and older to schedule an appointment. Read on...



#### CONVENIENCE SITE REMINDER

Reminder tomorrow April 17th is Convenience Site at City Hall. Per Code of Virginia 46.2-1156 Construction, Maintenance and loading must prevent escape of contents. Be reminded that prior to leaving your home you must secure all contents in the load. Additional Info...



#### OPERATION VACCINATE THE PENINSULA MOVES TO PHASE

Effective Wednesday, April 14, the Virginia Department of Health's Peninsula and Hampton Health Districts will move into Phase 2 COVID-19 vaccinations. Read on...



#### Helpful Links

Library Parks & Recreation Poquoson Seafood Festival Poquoson GIS

#### FAQs

2

Where do I find information on employment opportunities? How do I apply to serve on a board or commission? When are my garbage & recycling pickup days? How do I signup for Code Red alerts?





## **ATTENTION CITIZENS OF:**

The Cities of Chesapeake, Franklin, Hampton, Newport News, Norfolk, Portsmouth, Poquoson, Suffolk, Virginia Beach, and Williamsburg.

The Counties of Isle of Wight, James City, Southampton, Surry and York.

The Towns of Boykins, Branchville, Capron, Courtland, Ivor, Newsoms, Smithfield, Windsor, Surry and Dendron

# NOTICE OF VIRTUAL PUBLIC MEETING

HAMPTON ROADS HAZARD MITIGATION PLAN UPDATE

SHARE YOUR LOCAL KNOWLEDGE AND THOUGHTS ON THE HAMPTON ROADS HAZARD MITIGATION PLAN UPDATE PROCESS.

PUBLIC ZOOM MEETING, APRIL 20, 2021, 6 PM: CLICK HERE TO REGISTER

TAKE THE PUBLIC SURVEY: CLICK HERE



For More Information Visit: <u>https://www.hrpdcva.gov/departments/emergency-</u> <u>management/hampton-roads-hazard-mitigation-plan</u> Or Contact: HRPDC Emergency Management Department (757) 420-8300

The HRPDC will strive to provide reasonable accommodations and services for persons who require special assistance to participate in this public involvement opportunity. Contact John Sadler, Regional Emergency Management Administrator at (757) 420-8300 for more information.

#### 2022 Hampton Roads Hazard Mitigation Plan Update Process

Hazard Mitigation Planning A Hazard Mitigation Plan is the result of a planning process to identify hazards and develop strategies to reduce loss of life



and property. This planning process is structured around the four phases of the Disaster Mitigation Act of 2000, which the region's planning consultant has aligned with the ten steps of the Community Rating System (CRS). Having an adopted Hazard Mitigation Plan that is updated every five years helps ensure each community in the region is eligible for federal disaster funding following a disaster event.

#### The Community Rating System (CRS)

The CRS is a national program developed by the Federal Emergency Management Agency (FEMA) to encourage communities to reduce their risk to flood-related hazards. The CRS rewards the efforts communities take that go above and beyond the minimum requirements of the National Flood Insurance Program (NFIP) by providing discounts on flood insurance premiums.

#### Hazards Addressed by the Hampton Roads Hazard Mitigation Plan

The planning committee has initially identified the following hazards for inclusion in the Hampton Roads Hazard Mitigation Plan:

- Flooding
- Sea Level Rise
- Tropical Storm
- Shoreline Erosion
- Dam Failure
- Tornado
- Winter Storm
- Earthquake
- Wildfire
- Drought
- Extreme Heat
- Extreme field
- Hazardous Materials

Citizen Involvement Citizen participation is an important component of mitigation planning. The planning team needs your input on the types of hazards that are your priority concern, and your opinion on ways to lessen their impact.



- Visit the web site. Get more information and follow the planning process at <u>https://www.hrpdcva.gov</u>. The website contains announcements for upcoming meetings, minutes and presentations from past planning meetings, information on the identified hazards, draft planning documents for review, a public survey, and more.
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#### To Take the Public Survey: click here



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The Counties of Isle of Wight, James City, Southampton, Surry and York.

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PUBLIC ZOOM MEETING, APRIL 20, 2021, 6 PM: CLICK HERE TO REGISTER

TAKE THE PUBLIC SURVEY: CLICK HERE



For More Information Visit: <u>https://www.hrpdcva.gov/departments/emergency-</u> <u>management/hampton-roads-hazard-mitigation-plan</u> Or Contact: HRPDC Emergency Management Department (757) 420-8300

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- The draft plan will be made available for public review on the web site prior to being submitted to FEMA.

#### To Take the Public Survey: click here

#### Tweet



City of Portsmouth PORTS @cityofPortsVA

Virtual Public Meeting Hampton Roads Hazard Mitigation Plan Update. Share your local knowledge and thoughts on the Hampton Roads Hazard Mitigation Plan Update Process. Public Zoom Meeting, APRIL 20, 2021, 6 PM. Register here

zoom.us/webinar/regist.... Find more details here ....

#### 2022 Hampton **Roads Hazard Mitigation Plan Update Process**

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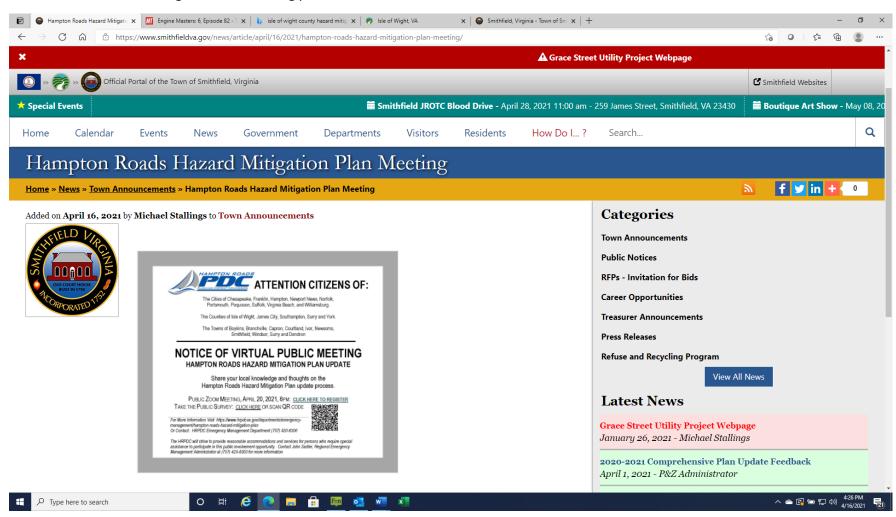
Visit the web site. Get more information and follow the planning process at https://www.hrpdcva.gov. The website contains announcements for upcoming meetings, minutes and presentations from past planning meetings, information on the identified hazards, draft planning documents for review, a public survey, and more.





#### Town of Smithfield

Public Notice of Hazard Mitigation Plan Meeting posted on Town Website.





- > Employment Information
- > Request for Proposals
- > Invitation for Bids
- Voluntary Agricultural-Forestal District
- Capital Improvement Plan 2014-2021
- Comprehensive Plan 2015-2025
- Solid Waste Brochure (site hours & accepted items)
- Delinquent Lists for Personal Property & Real Estate
- PETA's Low-Cost Spay/Neuter Mobile Clinics Calendar
- Resources for Seniors Ages 65+
- > 2021 Deeveling (Plue

Latest NewsLATEST NEWS

<u>Notice Of Virtual Public Meeting</u> -Hampton Roads Hazard Mitigation Plan Update

Info To Join Virtual Budget Work Session Wednesday, April 21, 2021

#### Initial Draft Budget FY2021-22

Public Notice For The June 8, 2021 Democratic Party Primary Election In Southampton County

Notice Of Primary Election - June 8, 2021

Covid Vaccine Information For Southampton County

Statewide Risk-Limiting Audit Of Nov 3, 2020 Election Results



#### **GEOGRAPHIC INFO - GIS**

#### \$ BILL PAY \$

#### APRIL 2021

S	М	Т	W	Т	F	S
28	29	30	31	1	2	3
4	5	6	0	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	1

#### Wed, Apr 21st, 2021

#### BOS Budget Workshop 6:30 PM

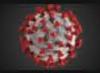
Tue, Apr 27th, 2021

Board of Supervisors Meeting 6:00 PM

Thu, May 13th, 2021

Planning Commission Meeting 7:30 PM





#### Amended Declaration of Local Emergency

**County Operational Updates** 

More Info Under COVID-19 Tab



# 13 PUBLIC NOTICE SUFFOLK CITY COUNCI WILL CONDUCT A SPECIAL MEETING ON. WEDNESDAY, MARCH 24, 2021 2:00 P.M. CITY COUNCIL CHAMBER 442 WEST WASHINGTON STREET FOR THE PERPOSE OF CONSIDERING PROSPECTIV CANDIDATES FOR THE POSITION OF CITY MANAGER. PUBLIC NOTICE SUFFOLK PLANNING COMMISSION WILL CONDUCT MEETINGS ON THIRD TUESDAY OF EACH MONTH AT 2:00 P.M. CITY COLOR IL CHAMBERS all BEST N ASSESSMENT ON STREET

AMPTON ROADS ATTENTION CITIZENS OF:

The Cities of Chesapeake, Franklin, Hampton, Newport News, Norfolk, Portsmouth, Poguoson, Suffolk, Virginia Beach, and Williamsburg.

The Counties of Isle of Wight, James City, Southampton, Surry and York.

The Towns of Boykins, Branchville, Capron, Courtland, Ivor, Newsoms, Smithfield, Windsor, Surry and Dendron

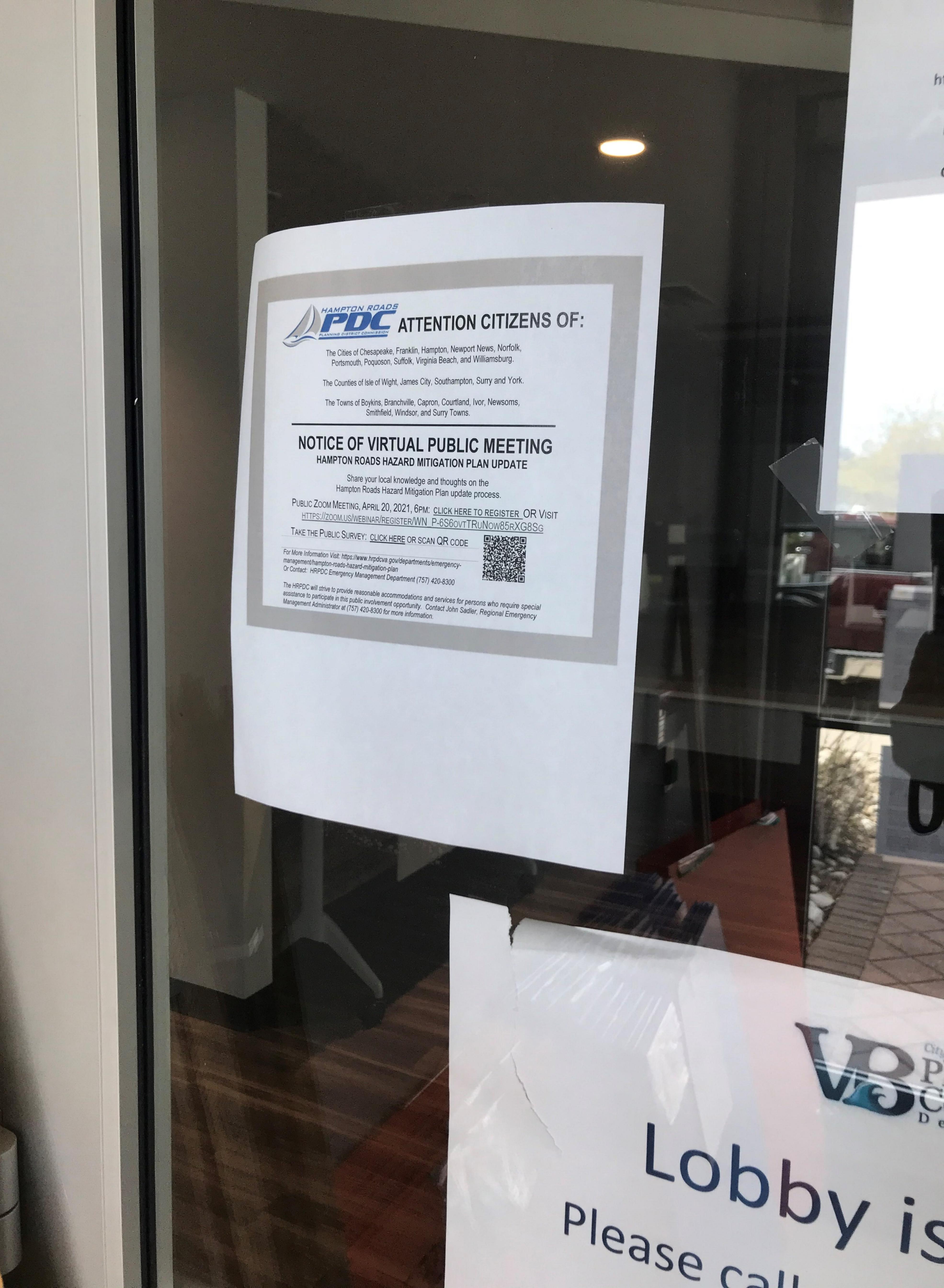
### NOTICE OF VIRTUAL PUBLIC MEETING HAMPTON ROADS HAZARD MITIGATION PLAN UPDATE

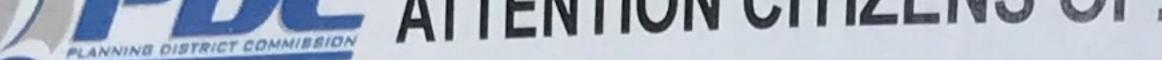
Share your local knowledge and thoughts on the Hampton Roads Hazard Mitigation Plan update process.

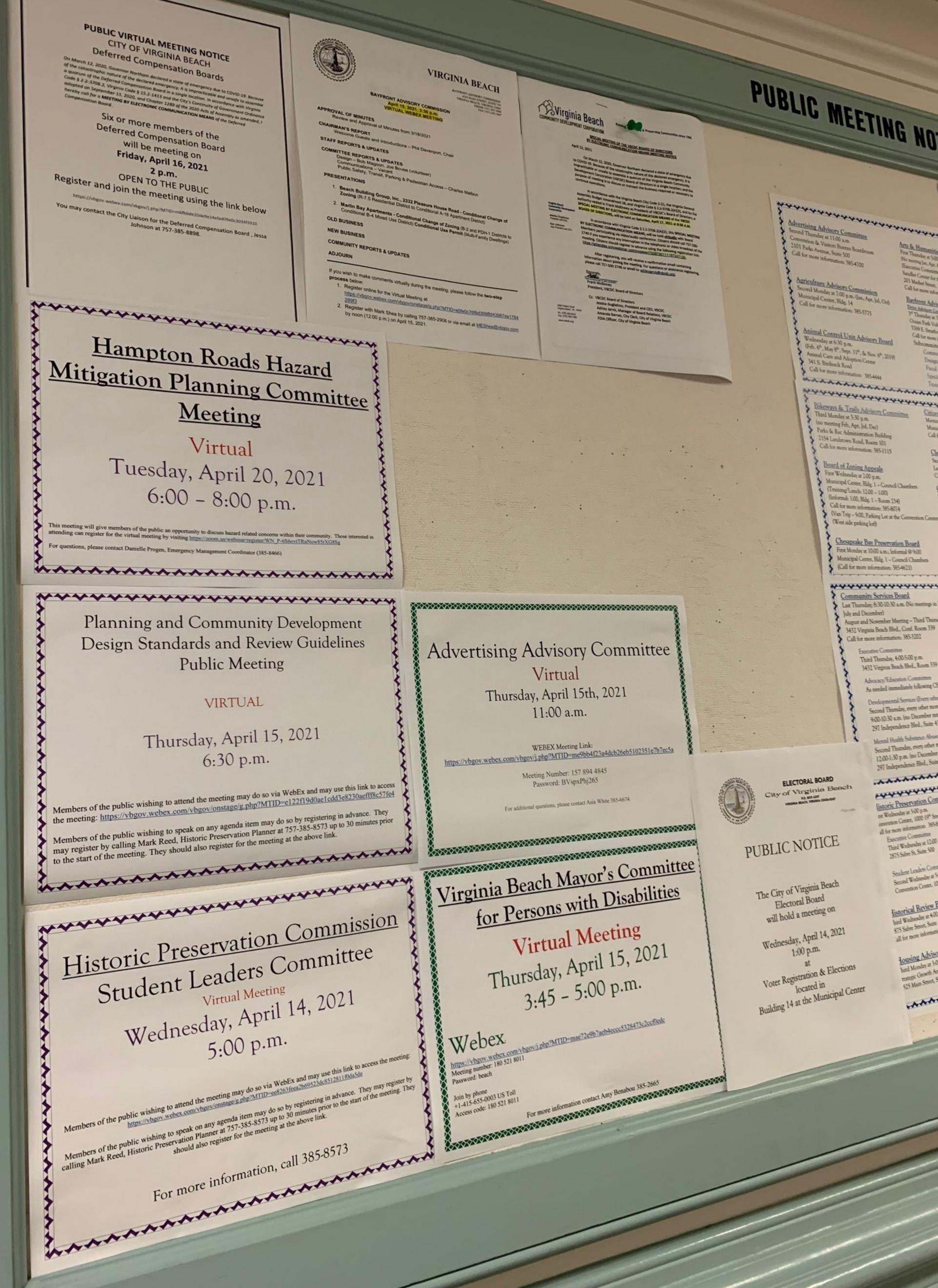
PUBLIC ZOOM MEETING, APRIL 20, 2021, 6PM: CLICK HERE TO REGISTER TAKE THE PUBLIC SURVEY: CLICK HERE OR SCAN QR CODE

For More information Visit: https://www.httpdcva.gov/departments/is/mergency-Or Contact: HRPDC Emergency Management Department (757) 420-8300

The HSPOC will shake to provide measurable accommodations and services for persons who require special accommodations to earlieve to accommodation and services for persons who require special accommodation to accommodate the contract to accommodation of the service special descent accommoda The HEPOC will show to provide reasonable accommodations and services for persons who require special apparance to percepte in the public involvement opportunity. Contact John Sadler, Regional Emergency Measurement Association at (157) 400 AND for more information







adopted on September 15, 2020, and Chapter Stand UNICATION MEANS of the Deferred hereby call for a MEETING BY ELECTRONIC COMMUNICATION MEANS of the Deferred Compensation Board..

Six or more members of the Deferred Compensation Board will be meeting on Friday, April 16, 2021 2 p.m. OPEN TO THE PUBLIC Register and join the meeting using the link below

https://vbgov.webex.com/vbgov/j.php?MTID=m6fbbde20de9e14efad09e0c3034f3910

You may contact the City Liaison for the Deferred Compensation Board , Jessa Johnson at 757-385-8898.

COMMITTEE REPORTS & UPDATES Design – Bob Magoon, Joe Bovee (volunteer)

Communications - Vacant Public Safety, Transit, Parking & Pedestrian Access - Charles Malbon

#### PRESENTATIONS

- 1. Beach Building Group, Inc., 2332 Pleasure House Road Condition Zoning (R-7.5 Residential District to Conditional A-18 Apartment District
- 2. Marlin Bay Apartments Conditional Change of Zoning (B-2 and P Conditional B-4 Mixed Use District) Conditional Use Permit (Multi-Fa

**OLD BUSINESS** 

**NEW BUSINESS** 

**COMMUNITY REPORTS & UPDATES** 

#### ADJOURN

If you wish to make comments virtually during the meeting, please follow to process below:

- 1. Register online for the Virtual Meeting at https://vbgov.webex.com/vbgov/onstage/g.php?MTID=e0fe0c76f8 289f3
- Register with Mark Shea by calling 757-385-2908 or via email at by noon (12:00 p.m.) on April 15, 2021.

# <u>Hampton Roads Hazard</u> <u>Mitigation Planning Committee</u> <u>Meeting</u> Virtual

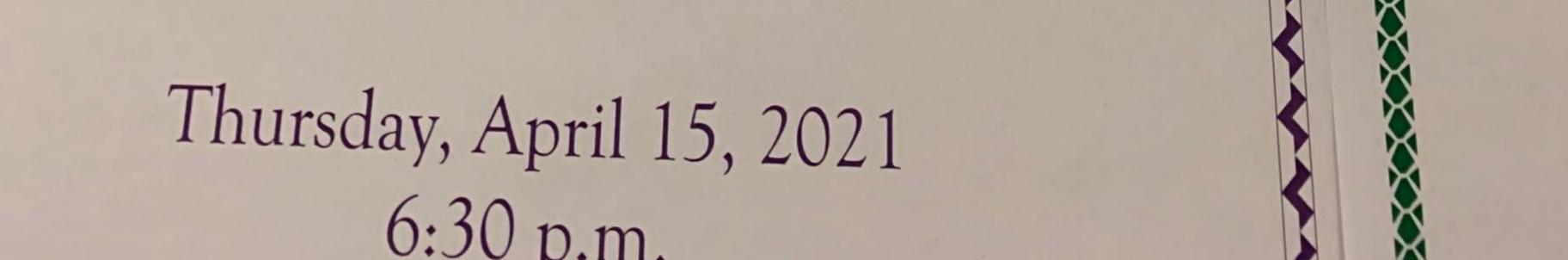
# Tuesday, April 20, 2021 6:00 – 8:00 p.m.

This meeting will give members of the public an opportunity to discuss hazard related concerns within their community. Those interested in attending can register for the virtual meeting by visiting <u>https://zoom.us/webinar/register/WN\_P-6S6ovtTRuNow85rXG8Sg</u>

For questions, please contact Danielle Progen, Emergency Management Coordinator (385-8466)

Planning and Community Development Design Standards and Review Guidelines Public Meeting

VIRTUAL



## VB

#### Coronavirus Information

For information about Coronavirus, visit our emergency site <u>(https://emergency.vbgov.com/coronavirus</u>) at https://emergency.vbgov.com/coronavirus (<u>https://emergency.vbgov.com/coronavirus</u>).

Join Virtual Public Meeting April 20 for Hampton Roads Hazard Mitigation Plan Update

#### Public survey option available to help prioritize various hazard types

Friday, April 09, 2021

The first public meeting for the 2022 Hampton Roads Hazard Mitigation Plan will take place April 20, 2021 from 6 to 8 p.m. online via Zoom. Residents will have an opportunity to discuss hazard-related concerns within the community and share thoughts on the Hampton Roads Hazard Mitigation Plan update process.

A Hazard Mitigation Plan is the result of a planning process to identify hazards and develop strategies to reduce loss of life and property. This planning process is structured around the four phases of the Disaster Mitigation Act of 2000, which the region's planning consultant has aligned with the 10 steps of the Federal Emergency Management Agency's (FEMA) Community Rating System (CRS). Having an adopted Hazard Mitigation Plan that is updated every five years helps ensure each community in the region is eligible for federal disaster funding following a disaster event.

The planning committee has initially identified 13 types of hazards for inclusion in the plan to include flooding, sea level rise, tropical storm, shoreline erosion and communicable disease. Citizen participation in the public meeting will allow the planning team to understand what types of hazards are of most concern to residents and what hazards to prioritize.

#### **Register for the Meeting**

Members of the public can register to participate in the public meeting here <u>(https://zoom.us/webinar/register/WN\_P-6S6ovtTRuNow85rXG8Sg</u>) or by visiting https://zoom.us/webinar/register/WN\_P-6S6ovtTRuNow85rXG8Sg (https://zoom.us/webinar/register/WN\_P-6S6ovtTRuNow85rXG8Sg).

#### Take the Public Participation Survey

The public participation survey gives members of the public an opportunity to provide input on the type of hazards they are most concerned about within their community. This information will help inform various parts of the planning process, including mitigation actions as planning teams move forward. Take the survey here <u>(https://forms.office.com/Pages/ResponsePage.aspx?id=DQSIkWdsW0yxEjajBLZtrQAAAAAAAAAAO\_dKuUnBUQUtCNklZS1RTSzRaUFQwVUg3QVU1QVFGRS4u</u>).

For more information regarding 2022 Hampton Roads Hazard Mitigation Plan, the FEMA Community Rating System program and to follow the planning process, visit https://www.hrpdcva.gov/https://www.hrpdcva.gov/).

###

CONTACT INFORMATION

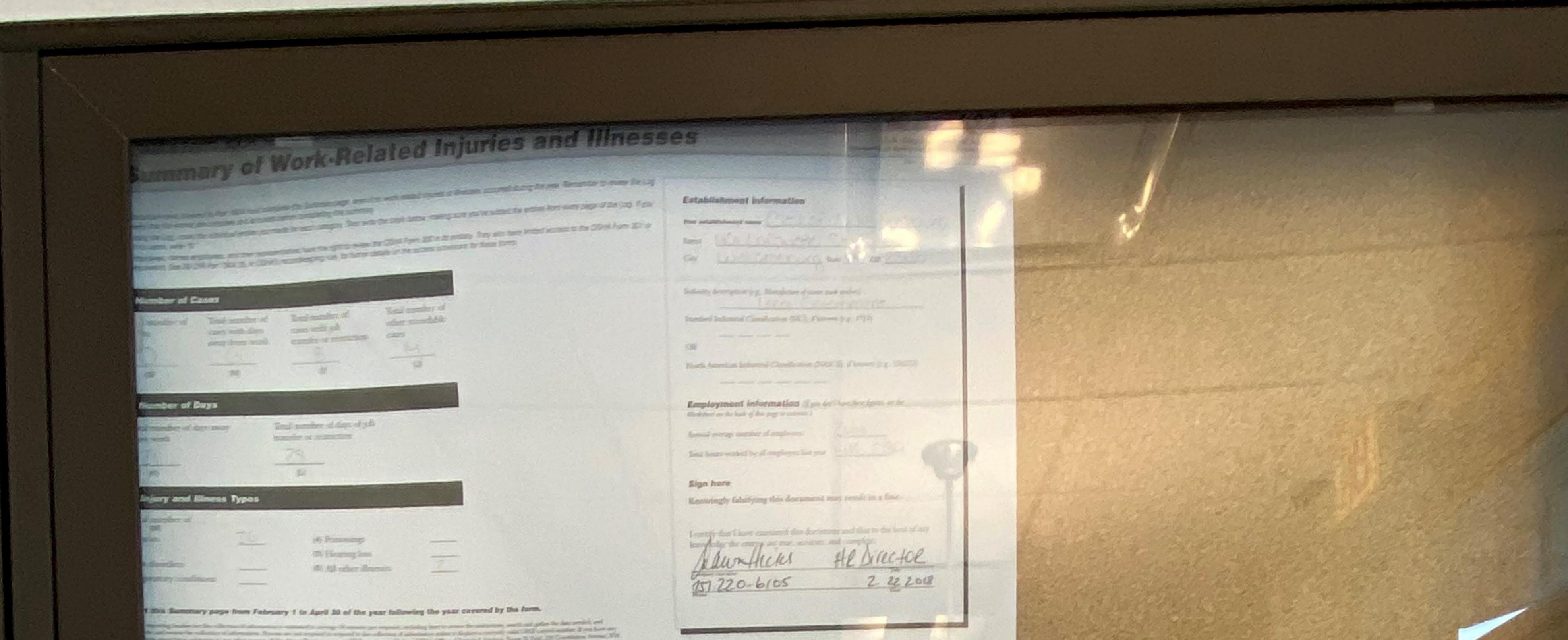
Julie Hill

**C** (757) 385-4436 (tel:7573854436)

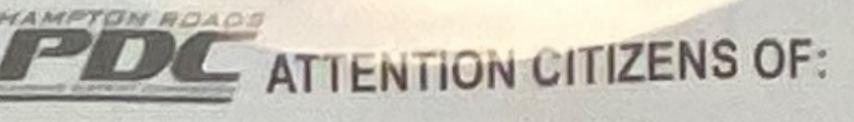
jhill@vbgov.com (mailto:jhill@vbgov.com)



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The Cities of Chesapeake, Franklin, Hampton, Resport News, Norfolk, Portsmouth, Poqueson, Suffalk, Virgenia Beach, and Williamsburg.

The Counties of kild of Wight, James City, Southampton, Surry and Vicrk

The Torens of Boykins, Branchville, Capron, Courtland, Nor. Newscorts, Smithfield Windson, and Surry Towns.

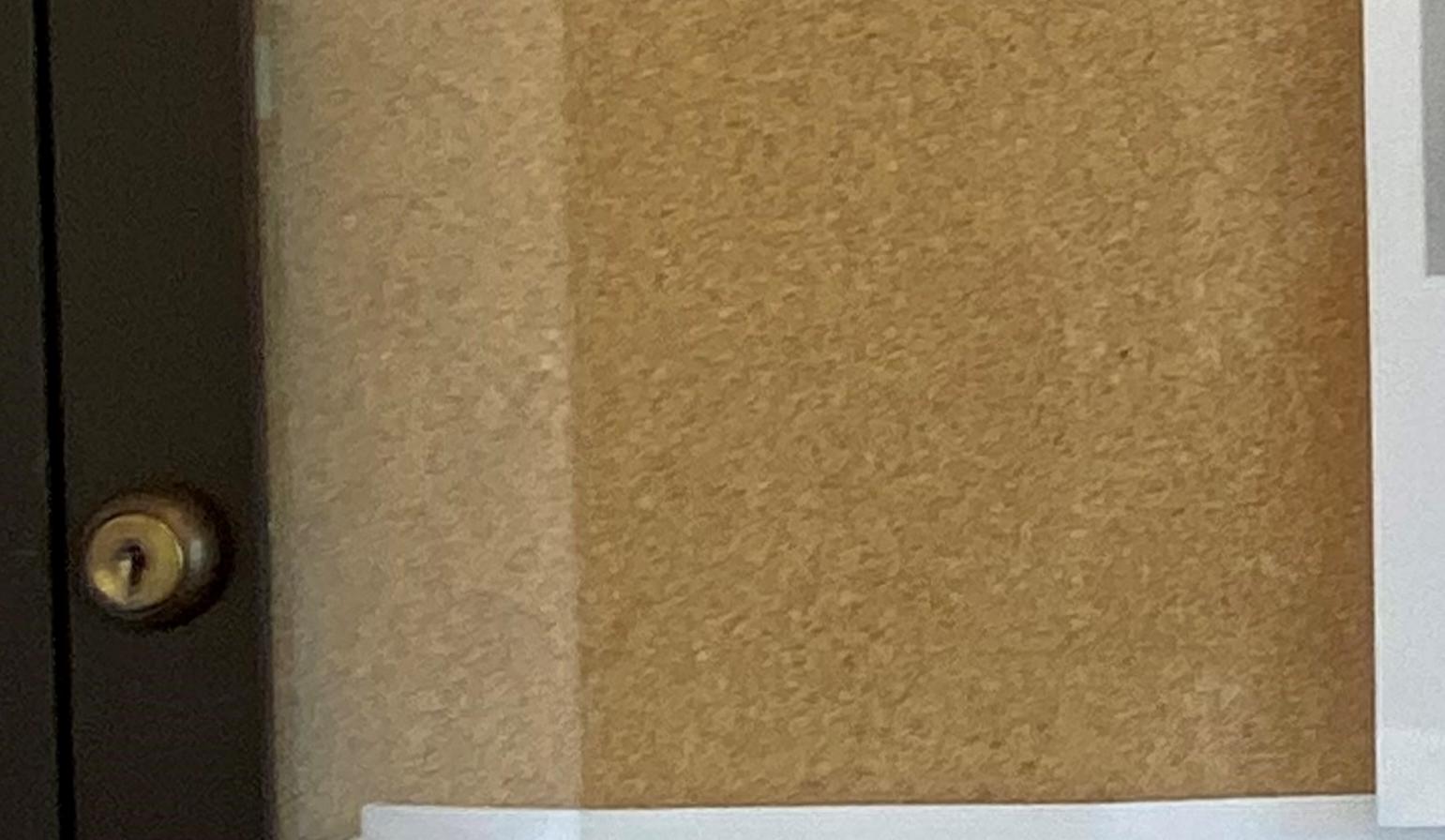
# NOTICE OF VIRTUAL PUBLIC MEETING HAMPTON ROADS HAZARD MITIGATION PLAN UPDATE

Share your local knowledge and thoughts on the Hampton Roads Hazard Mitigation Plan update process

PUBLIC ZOOM MEETING, APRIL 20, 2021, EPAL CLICK HERE TO REGISTER OR VISIT HTTPS //2004 US/MEBINAR/REGISTER/WN P-6560/TRUNOM858XG88/

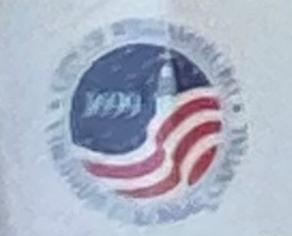
TAKE THE PUBLIC SURVEY: CLICK HERE OR SCAN OR CODE





For More information Visit https://www.imponva.gou/departments/emergencyconsequences theread in Assard - Indigation-plan Or Contact: HRPCC Emergency Management Department (757) 420-8300

The HRPOC est since to provide reasonable accommodations and services for provide estimation and services for provide estimating estimatio



AGENDA City of Williamsburg Architectural Review Board Tuesday, April 13, 2021

Pursuant to City of Williamsburg Ordinance #20-02, due to the COVID-19 Pandemic emergency, the Williamsburg Architectural Review Board meeting will be held electronically on Tuesday, April 13, 2021 et 2:30 p.m.

The call-in number is 650-242-4929, meeting ID number is 149 735 1685

### CONCEPTUAL REVIEW

A-21-021 City of Williamsburg/440 N Boundary Street - New Construction - Fire A. Station

NEW BUSINESS None

OTHER

A. Minutes from March 23, 2021

When inuted by the Okairman, speakers should state their name and address before making brief. (SOMERIES)

### OPEN FORUM

## REGULAR AGENDA ITEMS

SIGNS

- A. 8-21-011 Beymont by Wyndham/505 York Streist Monument
- S-21-912 This is That/2229 Richmond Road Monument 8
- Re. \$-21-013 Abundara Life Partners/1001 Richmond Road - Monument

# ARCHITECTURAL PRESERVATION DISTRICT

- A. A-21-039 The Hitchens Building/441 Prince George St Exterior Change -Relievy Replacement
- 8. A-21-019 The Hitchens Building LLC/441 Prince George Street - Ederici Charryon Ferrice
- C. A/21-025 Richter's 16 Character Court Exterior Charge Front Door
- 0. N25-522 BBV Colonial Owner LLC/1255 Richmond Road - Exterior Change Niesur Prasjantico
- AUX8-028 MontecnilloT Richmond Road Accessory Structure Garage 此。

The Board will view the sites individually before the meeting. During the COVID-10 State of Emergency, the Architectural Review Board will hold virtual meetings

> The Architectural Review Board Invites public comment on any subject during "Open Forum."

To participate in the meeting, citizens are encouraged to email comments to VirtualARB (Invitigementurity) 202 by 1:00 p.m. on April 13, 2021.

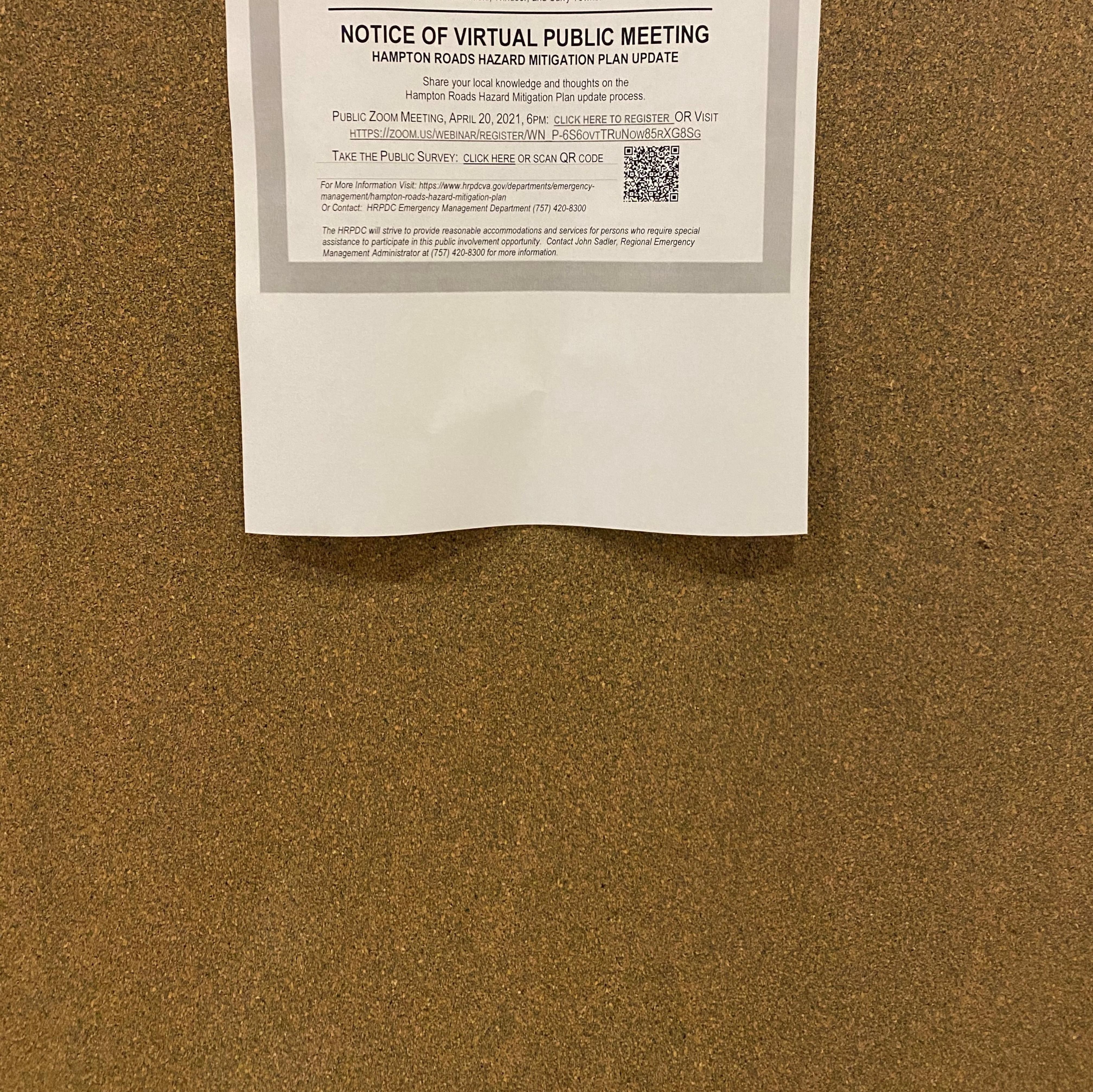
To speak at the meeting, use the information below to call in and access the live meeting. You will remain muted until the Open Forum section and will then be called upon to speak in the order that you arrived in the meeting. Please direct all comments to the Chair. When invited by the Chair to speak, speakers should state their name and address before making brief comments. Please ensure that you are not watching the meeting via the internet or television unless they are muted. https://www.williamshurgen.op/783Wimal-ARB



The Cities of Chesapeake, Franklin, Hampton, Newport News, Norfolk, Portsmouth, Poquoson, Suffolk, Virginia Beach, and Williamsburg.

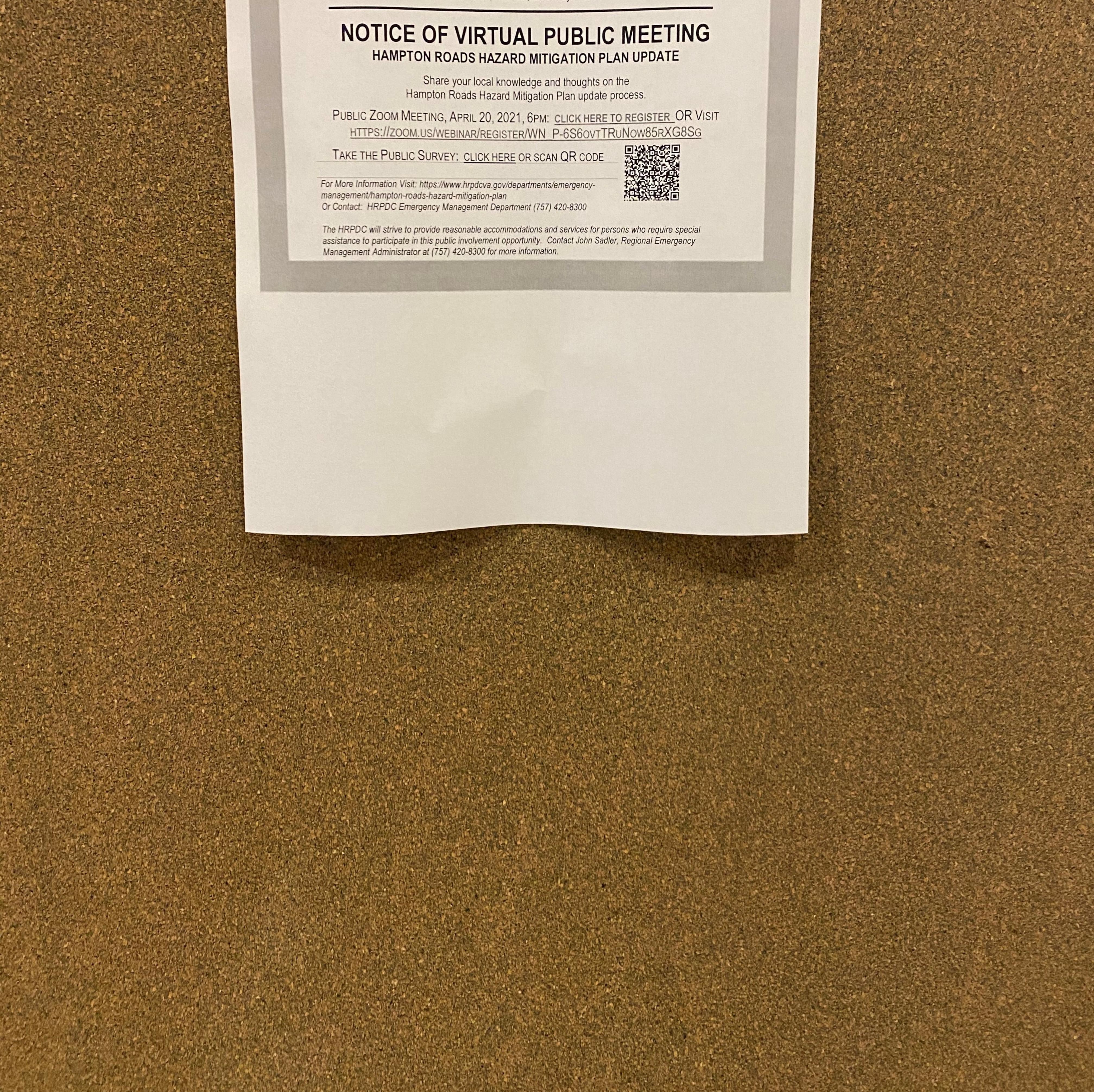
The Counties of Isle of Wight, James City, Southampton, Surry and York.

The Towns of Boykins, Branchville, Capron, Courtland, Ivor, Newsoms, Smithfield, Windsor, and Surry Towns.





Y



December 7, 2021 - Regular Meeting East Room 6:00 p.m.

December 21, 2021 - Regular Meeting Board Room 6:00 p.m.

Effective: 1/6/

Listing will be

HAMPTON ROADS ATTENTION CITIZENS OF:

The Cities of Chesapeake, Franklin, Hampton, Newport News, Norfolk, Portsmouth, Poquoson, Suffolk, Virginia Beach, and Williamsburg.

The Counties of Isle of Wight, James City, Southampton, Surry and York.

The Towns of Boykins, Branchville, Capron, Courtland, Ivor, Newsoms, Smithfield, Windsor, Surry and Dendron

# NOTICE OF VIRTUAL PUBLIC MEETING HAMPTON ROADS HAZARD MITIGATION PLAN UPDATE

Share your local knowledge and thoughts on the Hampton Roads Hazard Mitigation Plan update process.

PUBLIC ZOOM MEETING, APRIL 20, 2021, 6PM: CLICK HERE TO REGISTER TAKE THE PUBLIC SURVEY: CLICK HERE OR SCAN QR CODE

For More Information Visit: https://www.hrpdcva.gov/departments/emergencymanagement/hampton-roads-hazard-mitigation-plan Or Contact: HRPDC Emergency Management Department (757) 420-8300

the second second

The HRPDC will strive to provide reasonable accommodations and services for persons who require special assistance to participate in this public involvement opportunity. Contact John Sadler, Regional Emergency Management Administrator at (757) 420-8300 for more information.



# AFFIDAVIT OF POSTING

City of Hampton, 22 Lincoln St., Hampton, VA 23669 James City County, 101 Mounts Bay Rd., Bldg. C, Williamsburg, VA 23185 City of Newport News, 2400 Washington Avenue, Newport News, VA 23607 City of Poquoson, 500 City Hall Ave., Poquoson, VA 23662 York County, 224 Ballard St., York, VA 23690 City of Williamsburg, 401 Lafayette St., Williamsburg, VA 23185

# 2022 Hampton **Roads Hazard Mitigation Plan Update Process**

Hazard Mitigation Planning A Hazard Mitigation Plan is the result of a planning process to identify hazards and

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develop strategies to reduce loss of life and property. This planning process is structured around the four phases of the Disaster Mitigation Act of 2000, which the region's planning consultant has aligned with the ten steps of the Community Rating System (CRS). Having an adopted Hazard Mitigation Plan that is updated every five years helps ensure each community in the region is eligible for federal disaster funding following a disaster event.

# The Community Rating System (CRS)

The CRS is a national program developed by the Federal Emergency Management Agency (FEMA) to encourage communities to reduce their risk to flood-related hazards. The CRS rewards the efforts communities take that go above and beyond the minimum requirements of the National Flood Insurance Program (NFIP) by providing discounts on flood insurance premiums.

# Hazards Addressed by the Citizen participation Hampton Roads Hazard

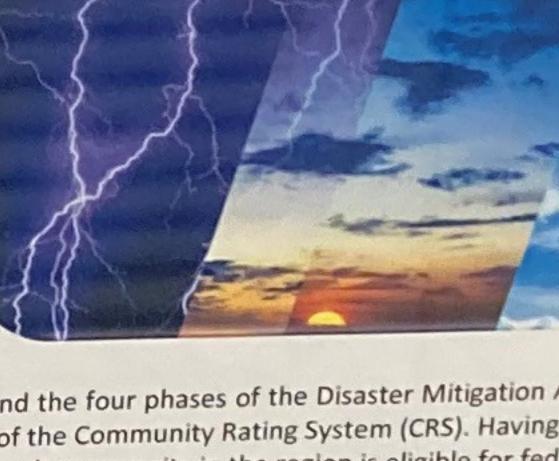
Mitigation Plan The planning committee has initially identified the

- following hazards for inclusion in the Hampton
- Roads Hazard Mitigation Plan: ► Flooding
- Sea Level Rise
- ► Tropical Storm Shoreline Erosion
- Dam Failure
- Tornado
- Winter Storm
- ▶ Earthquake
- Wildfire
- Drought
- Extreme Heat
- Hazardous Materials
- Incident
- Communicable Disease

Citizen Involvement

important component 01 mitigation planning. The planning team needs your input on the types of hazards that are your priority concern, and your opinion on ways to lessen their impact.

- Visit the web site. Get more
- information and follow the planning process at <u>https://www.hrpdcva.gov</u>. The website contains announcements for upcoming meetings, minutes and presentations from past planning meetings, information on the identified hazards, draft planning documents for review, a public survey, and more.
- Take the survey. A public outreach survey is available online here. Please complete the survey as soon as possible to ensure that your opinion is captured! If you would like a hard copy, please use the email below.
- 8 Send us information or comments. If you have information to share for inclusion in the plan, please contact \_\_\_\_\_\_ at \_\_\_\_\_. The draft plan will be made available for public review on the web site prior to being submitted to FEMA.



Phase

Phase

Phase 4

This meeting has been properly noticed and posted at the following locations:

1. Organize Planning Team 2. Plan for Public Involvement 3. Coordinate with Other Agencies

4. Identify the Hazards 5. Estimate Losses

9. Adopt the Plan

6. Identify Goals & Objectives 7. Develop Potential Mitigation Actions Phase 3 8. Draft the Mitigation Plan

10. Implement and Maintain the Plan

County Administrator Neil A. Morgan



Deputy County Administrator Mark L. Bellamy, Jr.

Deputy County Administrator Vivian A. Calkins-McGettigan

April 12, 2021

Hampton Roads Planning District Commission 723 Woodlake Drive Chesapeake, Virginia 23320

To Whom It May Concern:

On April 12, 2021, the flyer concerning the public's ability to participate in the 2022 Hampton Roads Hazard Mitigation Plan was posted in the County Administration Building located at 224 Ballard Street, Yorktown. A screenshot of the posting is attached to this letter.

If I can be of any further assistance to you, please do not hesitate to contact me.

Sincerely,

10198

Heather L. Schott, CMC Legislative Assistant

Attachment

## Hampton Roads Hazard Mitigation Plan Update

#### Workshop #1 Minutes

July 27, 2021, 9:30am – Virtual Meeting via Zoom

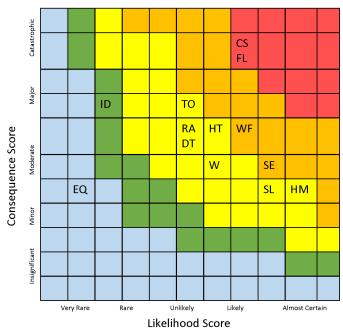
#### AGENDA

- Introductions
- Review of Plan Components, Planning Process & Hazards in Plan
- Exposure of Built Environment
- Flooding
  - o Impacts
  - o Recent Events
  - o Flood Risk Assessment
  - o Social Vulnerability to Flood
- Sea Level Rise
- High Hazard Dams
- Tropical Storms
- Tornadoes
- Pandemic Flu/Communicable Disease
- Shoreline Erosion
- Radon Exposure
- Ranking the Hazards Exercise

#### MEETING NOTES

- Early meeting focus was on flood analysis and the hybrid analysis conducted using HAZUS; Shane Parson led the discussion and answered questions.
- HAZUS essential facilities used for the Critical Facilities analysis did not include water/wastewater facilities or lines. Whitney Katchmark will help address this with additional data to consultant.
- Participants discussed frustration with obtaining repetitive flood loss data and the inability to know flood insurance coverage happening in private flood insurance market.
- Group discussed what to call Infectious Disease/Pandemic Flu, and settled on "Infectious Diseases".
- Surry County wants to continue to include landslides.
- Several participants indicated Extreme Heat and Winter Storm should be moved up in the risk assessment.
- Final ranking of hazards:

#### Re-ranking the Hazards for 2022



#### HM – Hazardous Materials Incident

Extreme

High Risk

Medium Risk

Low Risk

Very Low Risk

Risk

- DT Drought
- WF Wildfire
- EQ Earthquake
- SE Shoreline Erosion
- FL Flooding
- ID Infectious Disease
- W Winter Storm
- HT Extreme Heat
- CS Coastal/Tropical Storm
- TO Tornado
- RA Radon Exposure
- SL Sea Level Rise

ecom.com

#### ATTENDEES

Name	Agency
Lucy Stoll	Chesapeake
Michael Barber	Chesapeake
David Jurgens	Chesapeake / HR Directors of Utilities
Carlee Smith	Franklin
Verny Francis	Franklin
Hui-shan Walker	Hampton
Tracy Hanger	Hampton
Will Drewery	Isle of Wight
Caroline Dunlap	James City County
Mike Woolson	James City County
Heather Brown	Newport News
Nicole DelValle	Newport News
Daniel Hudson	Norfolk
Jalesha Smith	Norfolk
Jim Redick	Norfolk
Matthew Simons	Norfolk
Scott Mahone	Norfolk
Tristian Barnes	Norfolk
Ken Somerset	Poquoson
Mike Bryant	Poquoson
Joseph Rubino	Portsmouth
Michael Stallings	Smithfield
Beth Lewis	Southampton County
Richard Stephens	Suffolk

Ray Phelps	Surry County
Danielle Spach	Virginia Beach
Marissa Jones	Virginia Beach
Whitney McNamara	Virginia Beach
Larry Snyder	Williamsburg
Kent Henkel	York County
Sean Segerblom	York County
Susan Kassel	York County
Amy Parker	York County
, Gail Whittaker	York County
Shane Parson	AECOM
Noelle Slater	AECOM
Aubrie McClendon	American Red Cross
Bill Egerton	American Red Cross
Ed Barnette	American Red Cross
Lisa Mike	American Red Cross
John Millspaugh	Arcadis
	Chesapeake Natural Event Mitigation Advisory
Markiella Moore	Committee
Judith Carlene Hinch	Chesapeake NEMAC
Judy Shuck	Eastern Virginia Healthcare Coalition
Mari Radford	FEMA Region III
Renee Hupp	FEMA Region III
Rob Starr	Fort Eustis
John Hutcheson	Fort Monroe
Ben McFarlane	Hampton Roads Planning District Commission
Anas Malkawi	Hampton Roads Sanitation District
Leigh Ann Erdman-Hampton	Hampton Veterans Affairs Medical Center
John Sadler	HRPDC
Whitney Katchmark	HRPDC
David Luke	Jefferson Labs
Eric Seymour	National Weather Service
Perla Santillan	Office of the Chief Medical Examiner
Michael Player	Peninsulas EMS Council
Steve Pincus	Peninsulas EMS Council
Leigh Chapman	Salters Creek
Lewis Bush	Sentara Leigh Hospital
David Long	Tidewater EMS Council
Debbie Coon	Towne Bank
Debbie Wright	Towne Bank
Ron Greene	Towne Bank
Alex Gurchinoff Schlebach	US Army Corps of Engineers
Gregg Williams	US Army Corps of Engineers
Paul Moye	US Army Corps of Engineers
Robert Angrisani	US Army Corps of Engineers
Steve Harrison	US Coast Guard
USACE EOC	USACE

John Cooke	VDH Office of Emergency Preparedness
Gary Lupton, Sr.	Virginia 1st
Elaina Dariah	Virginia 211
Bruce Sterling	Virginia Department of Emergency Management
Harrison Breseee	Virginia Department of Emergency Management
Anne Witt	Virginia Dept of Mines, Minerals and Energy
John Hisghman	Virginia Dept. of Forestry
Allen Evans	Virginia Dept. of Military Affairs
Pamela Mason	Virginia Institute of Marine Science
Ross Weaver	Wetlands Watch
Kenton Towner	William and Mary
Jim Kaste	William and Mary (Geology)
17572952030	no ID
18045840762	no ID

no ID

#### INVITEES

Shad

Email invitations were issued to each of the individuals shown on the following email invite. In addition, each primary contact for the communities forwarded the message and made additional phone calls to their staff and interested persons. Additional advertisements by individual communities are on file with the HRPDC and will be included in the appendices of the final 2022 Hazard Mitigation Plan. Stakeholders were also invited directly by the PDC, including:

PLANRVA Crater PDC Va Dept of Mines, Minerals and Energy USACE Va Dept of Environmental Quality Va Dept of Conservation and Recreation Va Dept of Forestry Va Institute of Marine Science Port of Virginia Cox Communications Hampton Roads Sanitation District Sentara Fort Monroe Authority William & Mary Old Dominion University Va Dept of Health Dominion Energy

#### Leigh.morgan.chapman@gmail.com

Subject: Location:	FW: Hampton Roads Hazard Mitigation Plan Update, Workshop #1 https://us02web.zoom.us/j/86185630384?pwd=bDlaTDB5NDRJMG1OV3AxdFJpcWxxdz09
Start: End:	Tue 7/27/2021 9:30 AM Tue 7/27/2021 12:00 PM
Recurrence:	(none)
Meeting Status:	Accepted
Organizer:	John Sadler

#### Candice,

Would you mind forwarding this invite out the non-locality HREMC members?

Thanks, John

-----Original Appointment-----

From: John Sadler

Sent: Friday, July 2, 2021 12:11 PM

**To:** John Sadler; Humphries, Pat; <u>bott@nnva.gov</u>; <u>tristian.barnes@norfolk.gov</u>; <u>john.young@poquoson-va.gov</u>; Francis, Vernie W.; 'Goodwin, Donald'; Slater, Noelle; <u>shane.parson@aecom.com</u>; Danielle R. Spach;

mayor@townofboykinsva.com; Larry Snyder; kyle.spencer@norfolk.gov; brownhl@nnva.gov; wmcnamar@vbgov.com; rstephens@suffolkva.us; harold.futrell@vadoc.virginia.gov; Robert Gelormine; mstallings@smithfieldva.gov; segerbls@yorkcounty.gov; office@townofivor.com; Ashe, Chief Ryan; Bond, Steven; DelValle, Nicole; Elliott, Chief Edmund; Howell, Alonzo; Johnson, Jeff; Lowe, Lynette; Mangubat, Nestor; Redick, Jim; Topczynski, David; Anderson, Lisa; Bresee, Harrison; Brown, Curtis; Gabriel, George; Hill, Larry; Hoernig, Jared; Hudson, Daniel; King, Jack; Lawsure, Kaleen; Lee, Cheryl ; Long, Paul; Mason, Leslie; Neal, Stacie; Northon, John; Russell, Brian; Santillán, Perla; Simpson, Cheryl; Sommer, Tammy Waldroup; Sutton, Erin; Botts, Linda; Burket, Bill; Calambro, Daina; Cooke, John; Davis, Wayne; Dotolo, Lawrence; Evans, Allen; Ezell, Barry; Garrett, Lieutenant J R; Hackett, Stephanie; Hall, Terry; Heckler, Mark ; Jones, Daniel; Jurgens, David; Long, David; Mahone, Scott; Malkawi, Anas; Mooney, Robert ; NOAA; Orrock, Jeff; Pierce, Brian; Pincus, Stephen; Player, Michael; Reich, Ruth; See, Jennifer; Shuck, Judith; Sterling, Bruce; Turner, Chip; White, Sylvia D.; Braidwood, Robb; Bryant, Mike; Drewery, Will; Eagle, David; Glazner, George; Goldsmith, Michael; Johnson, Michael W.; Kopczynski, Stephen; Major, Brett; Phelps, Ray; Progen, Danielle; Rubino, Joe; Ruch, Sara; Spicer, Brian; Walker, Hui-Shan; Ben McFarlane; Cynthia Mulkey; Keith Cannady; Krista Lauro; Rob Case; Whitney Katchmark; leigh.morgan.chapman@gmail.com

**Cc:** Glazner, George T.; Simons, Matthew; Parker, Amy; Henkel, Kenton; Bott, Louis J.; Whittaker, Gail; Caroline Dunlap; Michael Woolson; Kim Finnerty; Sam Sawan; Niss, Robyn; Patrick Hughes; Lucy E. Stoll; Carlee R. Smith **Subject:** Hampton Roads Hazard Mitigation Plan Update, Workshop #1

When: Tuesday, July 27, 2021 9:30 AM-12:00 PM (UTC-05:00) Eastern Time (US & Canada). Where: https://us02web.zoom.us/j/86185630384?pwd=bDlaTDB5NDRJMG10V3AxdFJpcWxxdz09

#### PLEASE FORWARD THIS INVITE TO ANYONE YOU BELIEVE SHOULD ATTEND

Prior to the Public Meeting on the Hazard Mitigation Plan Update that I sent information about earlier this week, we will be having Planning Committee Workshop #1 on July 27, beginning at 9:30. Leigh Chapman has promised me she'll try to

get through it all by 11:30. At this meeting, we will go over the updated Hazard Identification and Risk Assessment in order to review and absorb it prior to the Public Meeting. I hope you will all mark your calendars and plan to attend. Additional meeting info is below.

I have attached information from the first Public Meeting that we had back in April, as well as the public survey results. Leigh indicated she finds the .pdf file easiest to absorb, but some of you may prefer to dive deeper into the data using the Excel spreadsheet. The Q&A doc is from the questions asked at the meeting, as are the Chat.txt document and the polls results. All of this is data that you, as a Committee member, should review to inform yourself about inputs from citizens in your community.

I would ask that you inform any interested stakeholders about this workshop, as well. These could be people that you work with in any capacity, such as neighborhood associations, professional associations, or CERT members. Could be citizens, environmental groups, representatives of large corporations in your jurisdiction, or hospital system representatives. Could be Federal or state agency representatives, higher education administrators, or the American Red Cross. If they choose to participate as Committee members, we'd welcome their input!

Thank you for your input and we look forward to virtually seeing you all on July 27th at 9:30, and again on July 29th at 5pm for the Public Meeting.

```
Join Zoom Meeting
```

https://us02web.zoom.us/j/86185630384?pwd=bDlaTDB5NDRJMG1OV3AxdFJpcWxxdz09

Meeting ID: 861 8563 0384 Passcode: 522540 One tap mobile +19292056099,,86185630384#,,,,\*522540# US (New York) +13017158592,,86185630384#,,,,\*522540# US (Washington DC)

Dial by your location

+1 929 205 6099 US (New York) +1 301 715 8592 US (Washington DC) +1 312 626 6799 US (Chicago) +1 669 900 6833 US (San Jose) +1 253 215 8782 US (Tacoma) +1 346 248 7799 US (Houston) Meeting ID: 861 8563 0384 Passcode: 522540 Find your local number: <u>https://us02web.zoom.us/u/keyiGrzK0F</u>

# Hampton Roads Hazard Mitigation Plan Update

### **Public Meeting #2 Minutes**

July 29, 2021, 5pm – Webinar via Zoom

#### AGENDA

- Introductions
- Review of Plan Components, Planning Process & Hazards in Plan
- Exposure of Built Environment
- Flooding
  - o Impacts
  - Recent Events
  - Flood Risk Assessment
  - o Social Vulnerability to Flood
- Sea Level Rise
- High Hazard Dams
- Tropical Storms
- Tornadoes
- Pandemic Flu/Infectious Disease
- Radon Exposure
- Ranking the Hazards work by Committee

#### MEETING NOTES

- Early meeting focus was on flood analysis and the hybrid analysis conducted using HAZUS.
- Participants discussed inability to know flood insurance coverage happening in private flood insurance market.
- Presentation of ranking of hazards by the committee was well-received.

#### ATTENDEES

Host: John Sadler, HRPDC

#### Panelists:

Shane Parson, AECOM Noelle Slater, AECOM Kelly Stoll, AECOM Leigh Chapman, Salter's Creek Consulting

#### Attendees:

Μ	Moore	Chesapeake
Judith	Hinch	Chesapeake
Р	Hall	Hampton
George	Curran	Hampton
Ms	Wade	Hampton
Leon	Kimball	Hampton
Tracy	Hanger	Hampton

Robin	Mabie	Hampton
Alan	Castanien	Hampton
Christopher	Williams	Newport News
Carolyn	Poissant	Newport News
George	Glazner	Newport News
Heather	Brown	Newport News
Karen	Self	Newport News
Matthew	Simons	Norfolk
Liz	Scheessele	Norfolk
Tristian	Barnes	Norfolk
David	Barthol	Norfolk
Daniel	Hudson	Norfolk
William	Delmar	Norfolk
Ryan	Mccune	Phoebus
Pat	Burns	Portsmouth
Richard	Stephens	Suffolk
Carolyn	White	Suffolk
Jalesha	Smith	Suffolk/Norfolk
Stephen	Johnston	Virginia Beach
Ashley	Gordon	Virginia Beach
David	Long	Virginia Beach
Caroline	Dunlap	Williamsburg
Sean	Segerblom	York County
Pamela	Brandy	
Kelly	Hengler	

#### INVITEES

Email invitations were issued to each of the individuals shown on the following email invite. In addition, each primary contact for the communities forwarded the message and made additional phone calls to their staff and interested persons. The PDC also advertised the meeting as shown in the news and social media clippings below. Additional advertisements by individual communities are on file with the HRPDC and will be included in the appendices of the final 2022 Hazard Mitigation Plan.

#### Leigh.morgan.chapman@gmail.com

From: Sent: To: Cc: Subject:	John Sadler <jsadler@hrpdcva.gov> Friday, July 9, 2021 12:03 PM Humphries, Pat; lbott@nnva.gov; tristian.barnes@norfolk.gov; john.young@poquoson-va.gov; Francis, Vernie W.; 'Goodwin, Donald'; Slater, Noelle; shane.parson@aecom.com; Danielle R. Spach; mayor@townofboykinsva.com; Larry Snyder; kyle.spencer@norfolk.gov; brownhl@nnva.gov; wmcnamar@vbgov.com; rstephens@suffolkva.us; harold.futrell@vadoc.virginia.gov, Robert Gelormine; mstallings@smithfieldva.gov; segerbls@yorkcounty.gov; office@townofivor.com; Ashe, Chief Ryan; Bond, Steven; DelValle, Nicole; Elliott, Chief Edmund; Howell, Alonzo; Johnson, Jeff; Lowe, Lynette; Mangubat, Nestor; 'Redick, Jim'; 'Topczynski, David'; 'Anderson, Lisa'; 'Bresee, Harrison'; 'Brown, Curtis'; 'Gabriel, George'; 'Hill, Larry'; 'Hoernig, Jared'; 'Hudson, Daniel'; 'King, Jack'; 'Lawsure, Kaleen'; 'Lee, Cheryl '; 'Long, Paul'; 'Mason, Leslie'; 'Neal, Stacie'; 'Northon, John'; Russell, Brian'; 'Santillán, Perla'; 'Simpson, Cheryl'; 'Sommer, Tammy Waldroup'; 'Sutton, Erin'; Botts, Linda; Burket, Bill; Calambro, Daina; Cooke, John; Davis, Wayne; Dotolo, Lawrence; Evans, Allen; Ezell, Barry; Garrett, Lieutenant J R; Hackett, Stephanie; 'Hall, Terry'; 'Heckler, Mark '; 'Jones, Daniel'; 'Jurgens, David'; 'Long, David'; 'Mahone, Scott'; 'Malkawi, Anas'; 'Mooney, Robert '; 'NOAA'; 'Orrock, Jeff; 'Pierce, Brian'; 'Pincus, Stephen'; 'Player, Michael'; 'Reich, Ruth'; 'See, Jennifer'; 'Shuck, Judith'; 'Sterling, Bruce'; 'Turner, Chip'; 'White, Sylvia D.'; 'Braidwood, Robb'; 'Bryant, Mike'; 'Drewer, Will'; 'Eagle, David'; 'Phelps, Ray'; 'Progen, Danielle'; 'Rubino, Joe'; 'Ruch, Sara'; 'Spicer, Brian'; 'Walker, Hui-Shan'; Ben McFarlane; Cynthia Mulkey; Keith Cannady; Krista Lauro; Rob Case; Whitney Katchmark; Glazner, George T.; Simons, Matthew; Parker, Amy; Henkel, Kenton; Bott, Louis J.; Whittaker, Gail; Caroline Dunlap; Michael Woolson; Kim Finnerty; Sam Sawan; Niss, Robyn; Patrick Hughes; Lucy E. Stoll 'leigh.morgan.chapman@gmail.com'; Slater, Noelle Hazard Mitigation Plan Reminders</jsadler@hrpdcva.gov>
Attachments:	Flyer.pdf

Importance: High

AHAC and Hazard Mitigation Working Group,

Just a few reminders regarding the Hazard Mitigation Plan:

1. **Please document all time spent on the Hazard Mitigation Plan**. We are currently very short on meeting the match for this grant. In-kind contributions are documented at the link below. You can document work completed at an earlier date.

https://docs.google.com/forms/d/e/1FAIpQLSfe56e0mCFtfrpMh6GA4DjDDBCleduxOzMF0T3j5r44G TzQ/viewform

- 2. The 2<sup>nd</sup> Public Meeting is scheduled for July 29, 5:00pm. The Flyer is attached. **Please advertise this meeting** locally and upload documentation of the advertisement to MS Team or email to me.
- 3. A Hazard Mitigation workshop has been scheduled for July 27, 9:30am to go over the updated Hazard Identification and Risk Assessment. You should have already received a calendar invite for the workshop. If not, please let me know. Please forward the invite to interested stakeholders (or give me their email and I will do so). This can be people you work with in any capacity, such as neighborhood associations, professional associations, or CERT members. Could be citizens, environmental groups, representatives of large corporations in your jurisdiction, or hospital system representatives. Could be Federal or state agency representatives, higher education administrators, or the American Red Cross. If they choose to participate we'd welcome their input!

Regards,

John Sadler Regional Emergency Management Administrator Hampton Roads Planning District Commission 723 Woodlake Drive Chesapeake, VA 23320 Phone: 757-420-8300 Cell: 757-724-4636



All email correspondence to and from this address is subject to the Virginia Freedom of information Act and to the Virginia Public Recards Act, which may result in manitaring and disclosure to third parties, including law enforcement. New Journal and Guide

REQUEST FOR PROPOSALS RFOLK N **REQUEST FOR PROPOSALS** DEPARTMENT OF PUBLIC WORKS, DEPARTMENT OF TRAN-SIT #19093 Title: St. Paul's Redevelopment Phase I Closing Date/Time: August 27, 2021 @ 4:00 p.m. All proposals shall be electronically submitted through the City's electronic bid service provider website: https://secure.procurenow.com/portal/nor-folk/projects/10613 PUBLIC MEETING ATTENTION CITIZENS OF: The Differ of Chesippeaks, Franklin, Hampton, Newoot News, Norbik, Portamouth, Poquoson, Guttak, Virginia Beach, and Williamaburg. The Counteer of Isle of Wight, James City, Southampton, Suny and York. Towns of Bsyllins, Branchville, Capron, Claretront, Countand, Nor, News ins, Branchville, Capron, Claremont, Courtia Smithfield Workson and Develop NOTICE OF VIRTUAL PUBLIC MEETING HAMPTON ROADS HAZARD MITIGATION PLAN UPDATE Learn about the Hazard Identification and Risk Assessment conducted as part of this planning process. PUBLIC ZOOM MEETING, JULY 29, 2021, 5PM: REGISTER AT

CLASSIFIEDS

For More Information Visit: https://www.https The HIPPOC will achie to provide reasonable accommodations and services for persons who require special asobilance to performer this public involvement opportunity. Contact John Sadar, Regional Emergency Management Administrator, at (71) (20-3300 for more information



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#### **CORRECTION:** First Lady Series July 8-14, 2021

Mrs. Cynthia P. Doxey, wife of Rev. Clyde Doxey, is the proud and beloved First Lady of New Covenant Fellowship Baptist Church of Chesapeake. Our article's headline contained a spelling error of her name. We apologize, First Lady!





July 22, 2021 - July 28, 2021 | 5B

7/9/2021

#### LOCAL NEWS

### Public input needed for 2022 Hampton Roads Hazard Mitigation Plan

The Hampton Roads Planning District Commission's mitigation plan addresses threats to the area and helps it in federal grant applications.

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Author: Angelo Vargas Published: 6:01 PM EDT July 8, 2021 Updated: 6:01 PM EDT July 8, 2021



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HRPDC wants the public's input on other hazards that could impact communities for the commission's 2022 Hampton Roads Hazard Mitigation Plan.

https://www.13newsnow.com/article/news/local/hampton-roads-hazard-mitigation-plan-flooding-storms-tornadoes/291-12151be0-a981-4391-8264-d62... 1/5

Dominion Energy works on power restoration after Elsa | 13newsnow.com

7/9/2021

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Tidal flooding an issue in Hampton, Virginia

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131 mph in a 55 mph zone: Virginia State Police shares picture of reckless driving ticket issued in Norfolk on social media

VIRGINIA

https://www.13newsnow.com/article/news/local/hampton-roads-hazard-mitigation-plan-flooding-storms-tornadoes/291-12151be0-a981-4391-8264-d62... 2/5

#### John Sadler

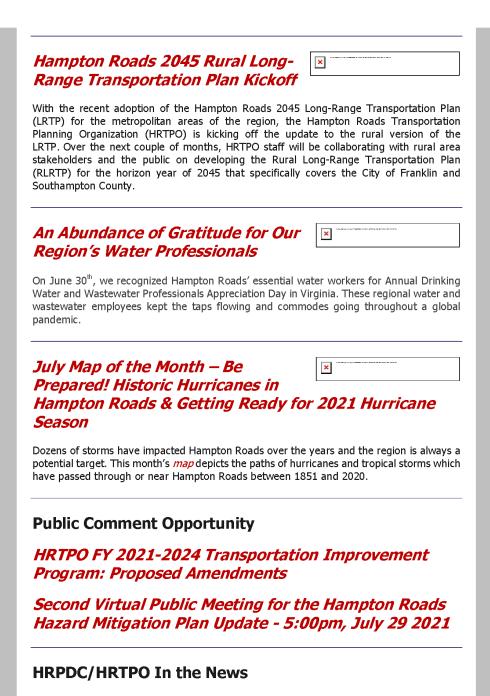
years.

From: Sent: To: Subject: NEWS <news@hrpdcva.gov> Friday, July 9, 2021 10:20 AM Danielle Spach HRPDC-HRTPO E-Update July 2021

# **E-UPDATE**

	school's out for summer in Hampton Roads, we dug into the Virginia ent of Education's Fall enrollment data to understand the impact COVID-19 may
	l on students in the region. tes, including Virginia, reported declines in public school enrollment for the Fall o
4.5%, w nearly 3. for the p out of th decline. North Ca	om 2019 to 2020, Fall enrollment overall in Hampton Roads declined by over hile public school enrollment in the same time period in Virginia declined by 5%. Overall Fall public school enrollment in Hampton Roads has been declining ast 15 years at roughly 0.5% per year, so a slight decline would not have been e ordinary, but this was over eight times the 15-year average annual rate of Other states in the Southeast experienced similar declines in enrollment, with rolina experiencing 4% decline, Maryland at 3%, South Carolina at 2.6%, and the f Columbia showed a 1% decline in enrollment during 2020.
Figure 1: Yo	percent change in total public school enrollment in Hampton Roads. Source: Virginia Department of Education, HRPDC

July 2021



New Initiative to Remind Residents to Keep Regional Waterways Clean (WY Daily)

Know	Your Fl	ood Risk (	(The Hampton	Roads Show)
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Opinion: Cheers to Hampton Roads' invaluable water workers (Virginian-Pilot and Daily Press)

#### From Our Partners! DRPT Virginia Commuter Survey-Tell DRPT About Your Commute

The Virginia Department of Transportation (VDOT) in partnership with the Department of Rail and Public Transportation (DRPT) is collecting data associated with travel to and from work in response to COVID-19 in Virginia. The COVID-19 pandemic has changed the way people are traveling, including, to and from work. The purpose of the recurring Virginia Commuter Surveys is to understand how commutes are changing and identify opportunities to improve commuting during and after this pandemic.

### Hampton Roads COVID-19 Impact Planning Hub

Visit the COVID-19 Impact Planning Hub to get the latest information on COVID-19 in Hampton Roads.



### **Upcoming Meetings**

×	

×	

### **RFP/RFQ Opportunities**

**On Behalf of the Southside Network Authority** 

**Request for Proposal #SNA-RFP-2021-02**: The Hampton Roads Planning District Commission, on behalf of the Southside Network Authority (the Authority), is soliciting for Qualifications and Conceptual Proposals for the Southside Hampton Roads Regional Fiber Connectivity Ring. Interested parties should refer to the full request for proposal (RFP) posted below. Submit by 2:00 P.M. Eastern Daylight Time on **Tuesday, August 24**, **2021**.

×

KENDALL L. MILLER Administrator, Office of Community Affairs and Civil Rights	Phone: 757.420.8300 Fax: 757.523.4881 TTY: 757.390.2578
JOE TURNER Communications and Web Manager	HRPDC Website
ROBERT COFIELD Graphic and Web Designer	HRTPO Website
	Join Mailing List
The Hampton Roads Planning District Commission ( Transportation Planning Organization (HRTPO) fully Act of 1964, the Civil Rights Restoration Act of 1987 Environmental Justice, and related nondiscriminatio programs and activities. HRPDC's website, <b>www.h</b> <b>www.hrtpo.org</b> , may be translated into multiple I public documents can be made available in alternative requested. HRPDC public meetings are always held transit-accessible locations when possible. Auxiliary who submit a request at least seven days prior to a days will be accommodated to the greatest extent p have been aggrieved by an unlawful discriminatory a right to file a formal complaint. Any such complain HRPDC's Title VI Administrator and/or the appropria days of the alleged discriminatory occurrence. For m program, or to obtain a Title VI Complaint Form, pla <b>kmiller@hrpdcva.gov</b> .	comply with Title VI of the Civil Rights 7, Executive Order 12898 on n statutes and regulations in all <b>rpdcva.gov</b> , and HRTPO's website, anguages. Publications and other ive languages and formats, if in ADA-accessible facilities and in services can be provided to individuals meeting. Requests made within seven possible. Any person who believes they practice by HRPDC under Title VI has nt may be in writing and filed with ate state or federal agency within 180 more information on HRPDC's Title VI

HRPDC and HRTPO | 723 Woodlake Drive, Chesapeake, VA 23320

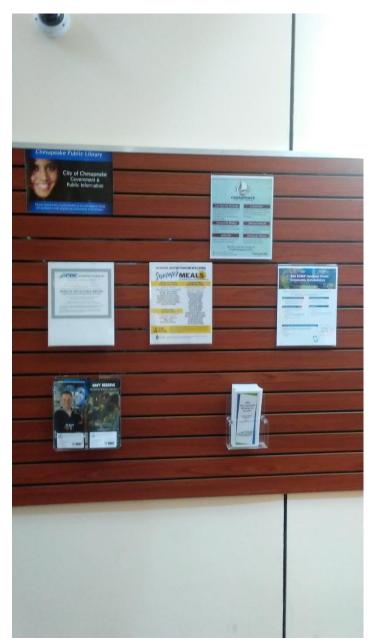
Unsubscribe dspach@hrpdcva.gov Constant Contact Data Notice Sent by news@hrpdcva.gov

4

## **CITY OF CHESAPEAKE PUBLIC NOTICE DOCUMENTATION**

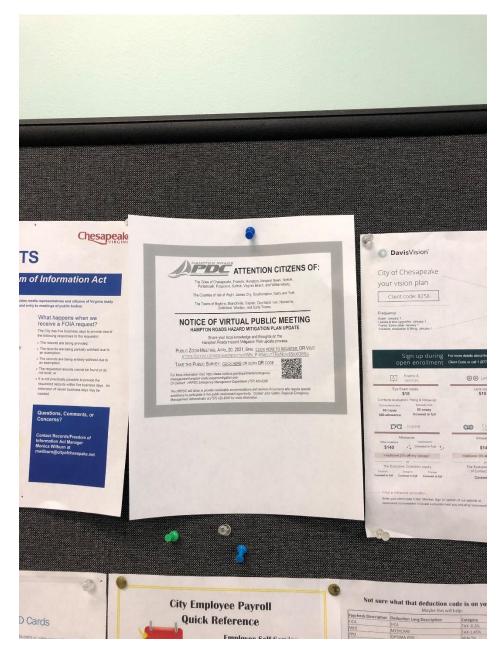
## Hazard Mitigation Plan Workshop Meeting #2

The below pictures are from various locations around the city as well social media posts and website that the Public Notice Information is posted for citizens awareness and engagement

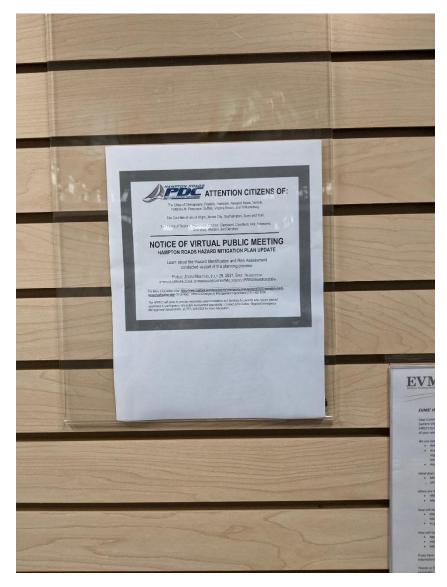


### **GREENBRIER LIBRARY – GUEST FOYER**

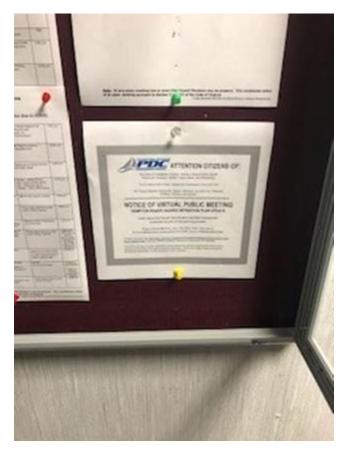
### **CENTRAL LIBRARY – PUBLIC SPACE**



### **RUSSELL MEMORIAL LIBRARY – GUEST FOYER**



### **CITY CLERKS OFFICE – PUBLIC SPACE**



### **DEVELOPMENT & PERMITS – WAITING AREA / PUBLIC SPACE**



### **CITY OF CHESAPEAKE FACEBOOK POST**



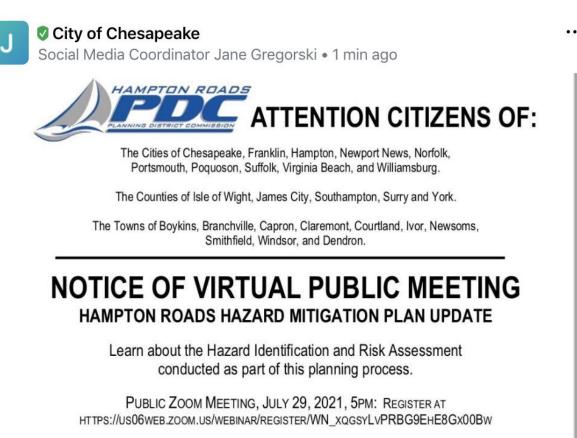
City of Chesapeake Government ♥ Published by Jane Gregorski ② · Just now · ♥

The Hampton Roads Planning District Commission (HRPDC) is hosting a second virtual public meeting on Thursday, July 29, at 5 p.m. to provide updates on the Hampton Roads Hazards Mitigation Plan and the Hazard Identification and Risk Assessment. Sign up to attend: https://bit.ly/3wEv8sp. For more information about the Hampton Roads Hazards Mitigation Plan, visit https://bit.ly/3wzQJU.

1	ATTENTION CITIZENS OF
9	The Cities of Chesapeake, Franklin, Hampton, Newport News, Norfolk, Portsmouth, Poquoson, Suffolk, Virginia Beach, and Williamsburg.
	The Counties of Isle of Wight, James City, Southampton, Surry and York.
	The Towns of Boykins, Branchville, Capron, Claremont, Courtland, Ivor, Newsoms, Smithfield, Windsor, and Dendron.
N	DTICE OF VIRTUAL PUBLIC MEETING HAMPTON ROADS HAZARD MITIGATION PLAN UPDATE Learn about the Hazard Identification and Risk Assessment
N	HAMPTON ROADS HAZARD MITIGATION PLAN UPDATE Learn about the Hazard Identification and Risk Assessment conducted as part of this planning process. PUBLIC ZOOM MEETING, JULY 29, 2021, 5PM: REGISTER AT
For Mor	HAMPTON ROADS HAZARD MITIGATION PLAN UPDATE Learn about the Hazard Identification and Risk Assessment conducted as part of this planning process.

...

### **CITY OF CHESAPEAKE NEXTDOOR POST**



For More Information Visit: <u>https://www.hrpdcva.gov/departments/emergency-management/2022-hampton-roads-hazard-mitigation-plan</u> Or Contact: HRPDC Emergency Management Department (757) 420-8300

The HRPDC will strive to provide reasonable accommodations and services for persons who require special assistance to participate in this public involvement opportunity. Contact John Sadler, Regional Emergency Management Administrator, at (757) 420-8300 for more information.

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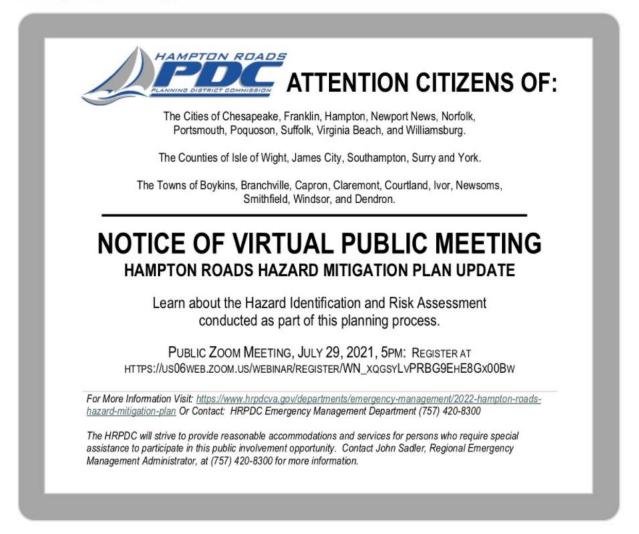
Posted to Subscribers of City of Chesapeake

### **CITY OF CHESAPEAKE TWITTER POST**



...

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12:00 PM · Jul 9, 2021 · Twitter Web App

### **CITY OF CHESAPEAKE WEBSITE INFORMATION**



LOCAL NEWS

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Sandler said the plan is updated every five years. New information is added based on the timing of a natural disaster.

HRPDC wants the public's input on other hazards that could impact communities for the commission's 2022 Hampton Roads Hazard Mitigation Plan.

#### 7/9/2021

Dominion Energy works on power restoration after Elsa | 13newsnow.com

"Nobody wants to be surprised or not know what to do when the storm is coming, so identifying those strategies to mitigate the risk for an event such as Tropical Storm Elsa is going to be an intricate part of that hazard mitigation plan," said Sandler.

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Tidal flooding an issue in Hampton, Virginia

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131 mph in a 55 mph zone: Virginia State Police shares picture of reckless driving ticket issued in Norfolk on social media

#### VIRGINIA

## Dominion Energy works on restoring power outages in Tropical Storm Elsa's wake

Power crews loaded trucks and made final preparations ahead of the storm.

Dominion Energy prepares for Tropical Storm Elsa

Author: Alex Littlehales (WVEC) Published: 6:55 PM EDT July 8, 2021 Updated: 12:09 AM EDT July 9, 2021



VIRGINIA BEACH, Va. — A day like Thursday is when training matters most.

"Our water, chainsaws, and our materials: this is the Super Bowl for us," Dominion Energy lineman Aaron Liles told 13News Now Thursday.

As Tropical Storm Elsa brings rain and wind through Southeastern Virginia, Dominion Energy prepares for what could be a long day of restoring power in the commonwealth.

"Crews tonight working might be working 22 to 23 hours straight. I've pulled 27 hours, 30 hours, something like that," Liles said, who noted that people often may not realize how long of days power crews work when storm systems move through an area.

Officials with Dominion Energy told 13News Now they are forecasting seven more storms than the 30-year average of 14 named storms in the Atlantic.

"People think we flip a switch and the lights come on," Liles said.

As of 12 a.m. Friday, Dominion reports 10,792 customers without power in Southeastern Virginia:

- Chesapeake 513
- Hampton 4,678

#### 7/9/2021

- Isle Of Wight 876
- James City 758
- Newport News 1,840
- Norfolk 31
- Poquoson City 1
- Portsmouth 592
- Suffolk 371
- Surry 3
- Virginia Beach 299
- Williamsburg 305
- York 525

Additionally, on the Middle Peninsula, 1,846 customers are without power in Gloucester and 251 are without power in Mathews.

For the latest information on outages in the Hampton Roads area, you can see Dominion Energy's outage map that tracks them in real-time.

You can also click here to report an outage to Dominion.

## Tropical Storm Elsa in Hampton Roads and northeast North Carolina

1/13

#### Credit: Cat Foley

Goodbye Red Bud Tree: Gloucester Point, Va. Credit: Cat Foley

**Related Articles** 

80 people from Norfolk's temporary homeless shelter relocated to Scope to ride out the storm

South wind could bring minor flooding to Pungo

Oceanfront washout from Tropical Storm Elsa



LOADING NEXT ARTICLE...

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**Related Articles** 

134 mph, 120 mph: Virginia State Police issues citations for major speeding in Chesapeake, Virginia Beach

131 mph in a 55 mph zone: Virginia State Police shares picture of reckless driving ticket issued in Norfolk on social media

#### VIRGINIA

## Dominion Energy works on restoring power outages in Tropical Storm Elsa's wake

Power crews loaded trucks and made final preparations ahead of the storm.

Dominion Energy prepares for Tropical Storm Elsa

Author: Alex Littlehales (WVEC) Published: 6:55 PM EDT July 8, 2021 Updated: 12:09 AM EDT July 9, 2021



VIRGINIA BEACH, Va. — A day like Thursday is when training matters most.

"Our water, chainsaws, and our materials: this is the Super Bowl for us," Dominion Energy lineman Aaron Liles told 13News Now Thursday.

As Tropical Storm Elsa brings rain and wind through Southeastern Virginia, Dominion Energy prepares for what could be a long day of restoring power in the commonwealth.

"Crews tonight working might be working 22 to 23 hours straight. I've pulled 27 hours, 30 hours, something like that," Liles said, who noted that people often may not realize how long of days power crews work when storm systems move through an area.

Officials with Dominion Energy told 13News Now they are forecasting seven more storms than the 30-year average of 14 named storms in the Atlantic.

"People think we flip a switch and the lights come on," Liles said.

As of 12 a.m. Friday, Dominion reports 10,792 customers without power in Southeastern Virginia:

- Chesapeake 513
- Hampton 4,678

#### 7/9/2021

- Isle Of Wight 876
- James City 758
- Newport News 1,840
- Norfolk 31
- Poquoson City 1
- Portsmouth 592
- Suffolk 371
- Surry 3
- Virginia Beach 299
- Williamsburg 305
- York 525

Additionally, on the Middle Peninsula, 1,846 customers are without power in Gloucester and 251 are without power in Mathews.

For the latest information on outages in the Hampton Roads area, you can see Dominion Energy's outage map that tracks them in real-time.

You can also click here to report an outage to Dominion.

## Tropical Storm Elsa in Hampton Roads and northeast North Carolina

1/13

#### Credit: Cat Foley

Goodbye Red Bud Tree: Gloucester Point, Va. Credit: Cat Foley

**Related Articles** 

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South wind could bring minor flooding to Pungo

Oceanfront washout from Tropical Storm Elsa

Dominion Energy works on power restoration after Elsa | 13newsnow.com



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August 4, 2021 Franklin's Market on Main offers a

variety of fresh produce, meats/seafood, baked goods, locally made products and more. Check our Facebook page for a weekly list of vendors. We always encourage you to take a stroll through Downtown Franklin to... Read More

### News & Announcements

### Hazard Mitigation Flyer

July 14, 2021

For more information on the Hazard Mitigation public meeting please see the attached flyer. Read More

### Economic Impact 2020

July 13, 2021 For more information on the Economic Impact for 2020 please see the attached document. Read More

### 2020 Real Estate Delinquent Tax Report

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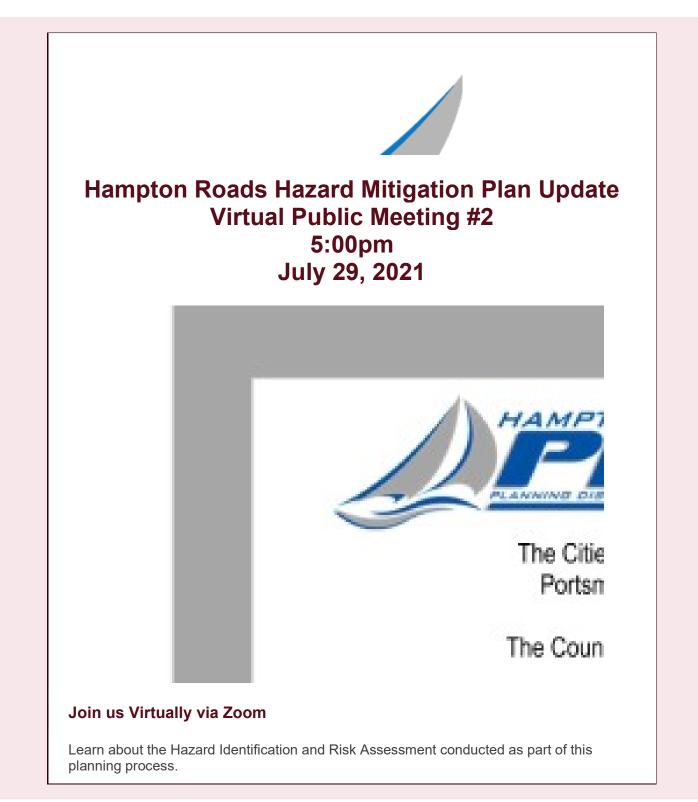






### John Sadler

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Or Contact: HRPDC Emergency Management Department (757) 420-8300

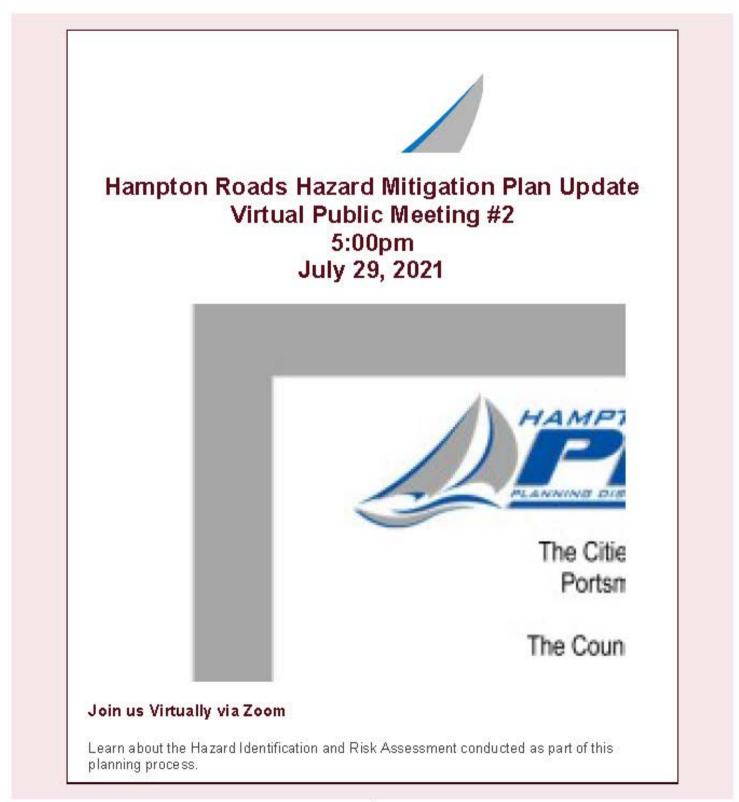
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Mark your calendars for the virtual public meeting on the Hampton Roads Hazard Mitigation Plan Update – July 29, 5 p.m. To register, visit us06web.zoom.us/webinar/regist...

For more information, visit hrpdcva.gov/departments/em...



The Cities of Chesapeake, Franklin, Hampton, Newport News, Norfolk, Portsmouth, Poquoson, Suffolk, Virginia Beach, and Williamsburg.

The Counties of Isle of Wight, James City, Southampton, Surry and York.

The Towns of Boykins, Branchville, Capron, Claremont, Courtland, Ivor, Newsoms, Smithfield, Windsor, and Dendron.

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Learn about the Hazard Identification and Risk Assessment conducted as part of this planning process.

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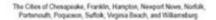
The HRPDC will strive to provide reasonable accommodations and services for persons who require special assistance to participate in this public involvement opportunity. Contact John Sadler, Regional Emergency Management Administrator, at (757) 420-8300 for more information.



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#### **REQUEST FOR PROPOSALS**



#### **REQUEST FOR PROPOSALS DEPARTMENT OF PUBLIC** WORKS, DEPARTMENT OF TRAN-SIT #19093

Title: St. Paul's Redevelopment Phase I Closing Date/Time: August 27, 2021 @ 4:00 p.m.

All proposals shall be electronically submitted through the City's electronic bid service provider website: https://secure.procurenow.com/portal/norfolk/projects/10613

#### PUBLIC MEETING

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### **GOSPEL FEST FEATURES TOP ARTISTS**

#### **By Randy Singleton**

Community Correspondent New Journal & Guide

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Dr. Brenda Boone-Smith



Rev. Luther Barnes wins Gold Album award.

Photo: Randy Singletor

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Rev. Clyde and First Lady Cynthia P. Doxey





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Photo: Randy Singletor

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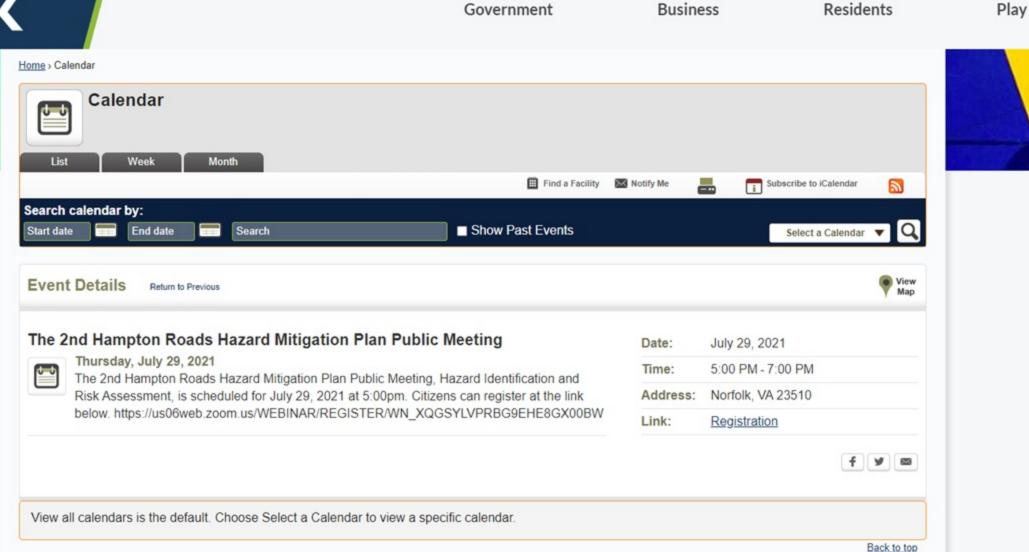
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## **2022 Hampton Roads** Hazard Mitigation Plan

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## NORFOLK



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## **2022 Hampton Roads** Hazard Mitigation Plan

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#### John Sadler

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From:
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NEWS < news@hrpdcva.gov> Friday, July 9, 2021 10:20 AM Danielle Spach HRPDC-HRTPO E-Update July 2021

## **E-UPDATE**



#### Hampton Roads Economic Monthly: School's out! But who was "IN" for 2020?

Now that school's out for summer in Hampton Roads, we dug into the Virginia Department of Education's Fall enrollment data to understand the impact COVID-19 may have had on students in the region.

×

Many states, including Virginia, reported declines in public school enrollment for the Fall of 2020. From 2019 to 2020, Fall enrollment overall in Hampton Roads declined by over 4.5%, while public school enrollment in the same time period in Virginia declined by nearly 3.5%. Overall Fall public school enrollment in Hampton Roads has been declining for the past 15 years at roughly 0.5% per year, so a slight decline would not have been out of the ordinary, but this was over eight times the 15-year average annual rate of decline. Other states in the Southeast experienced similar declines in enrollment, with North Carolina experiencing 4% decline, Maryland at 3%, South Carolina at 2.6%, and the District of Columbia showed a 1% decline in enrollment during 2020.

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Figure 1: YoY percent change in total public school enrollment in Hampton Roads. Source: Virginia Department of Education, HRPDC

#### Regional Transportation Plan Adopted

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As the federally designated Metropolitan Planning Organization for Hampton Roads, the Hampton Roads Transportation Planning Organization (HRTPO) is required to develop and maintain a Long-Range Transportation Plan (LRTP), which serves as the region's transportation blueprint. On June 17, 2021, the HRTPO adopted the 2045 LRTP to help guide multimodal transportation investments for the region over the next twenty-four years.

#### Hampton Roads 2045 Rural Long-Range Transportation Plan Kickoff

With the recent adoption of the Hampton Roads 2045 Long-Range Transportation Plan (LRTP) for the metropolitan areas of the region, the Hampton Roads Transportation Planning Organization (HRTPO) is kicking off the update to the rural version of the LRTP. Over the next couple of months, HRTPO staff will be collaborating with rural area stakeholders and the public on developing the Rural Long-Range Transportation Plan (RLRTP) for the horizon year of 2045 that specifically covers the City of Franklin and Southampton County.

×

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#### An Abundance of Gratitude for Our Region's Water Professionals

On June 30<sup>th</sup>, we recognized Hampton Roads' essential water workers for Annual Drinking Water and Wastewater Professionals Appreciation Day in Virginia. These regional water and wastewater employees kept the taps flowing and commodes going throughout a global pandemic.

#### July Map of the Month – Be Prepared! Historic Hurricanes in Hampton Roads & Getting Ready for 2021 Hurricane Season

Dozens of storms have impacted Hampton Roads over the years and the region is always a potential target. This month's *map* depicts the paths of hurricanes and tropical storms which have passed through or near Hampton Roads between 1851 and 2020.

#### **Public Comment Opportunity**

*HRTPO FY 2021-2024 Transportation Improvement Program: Proposed Amendments* 

Second Virtual Public Meeting for the Hampton Roads Hazard Mitigation Plan Update - 5:00pm, July 29 2021

#### **HRPDC/HRTPO In the News**

New Initiative to Remind Residents to Keep Regional Waterways Clean (WY Daily) Know Your Flood Risk (The Hampton Roads Show)

Opinion: Cheers to Hampton Roads' invaluable water

**WORKERS** (Virginian-Pilot and Daily Press)

#### From Our Partners! DRPT Virginia Commuter Survey-Tell DRPT About Your Commute

The Virginia Department of Transportation (VDOT) in partnership with the Department of Rail and Public Transportation (DRPT) is collecting data associated with travel to and from work in response to COVID-19 in Virginia. The COVID-19 pandemic has changed the way people are traveling, including, to and from work. The purpose of the recurring Virginia Commuter Surveys is to understand how commutes are changing and identify opportunities to improve commuting during and after this pandemic.

#### Hampton Roads COVID-19 Impact Planning Hub

Visit the COVID-19 Impa Hampton Roads.	ct Planning Hub to get	the latest informat	ion on COVID-19 in
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#### **RFP/RFQ Opportunities**

On Behalf of the Southside Network Authority

**Request for Proposal #SNA-RFP-2021-02**: The Hampton Roads Planning District Commission, on behalf of the Southside Network Authority (the Authority), is soliciting for Qualifications and Conceptual Proposals for the Southside Hampton Roads Regional Fiber Connectivity Ring. Interested parties should refer to the full request for proposal (RFP) posted below. Submit by 2:00 P.M. Eastern Daylight Time on **Tuesday, August 24, 2021**.

To bely years your yokary, Kenadri biter proved admate deviaed of the providence beness.

KENDALL L. MILLER Administrator, Office of Community Affairs and Civil Rights

JOE TURNER Communications and Web Manager

ROBERT COFIELD Graphic and Web Designer Phone: 757.420.8300 Fax: 757.523.4881 TTY: 757.390.2578

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**HRTPO Website** 

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The Hampton Roads Planning District Commission (HRPDC) and Hampton Roads Transportation Planning Organization (HRTPO) fully comply with Title VI of the Civil Rights Act of 1964, the Civil Rights Restoration Act of 1987, Executive Order 12898 on Environmental Justice, and related nondiscrimination statutes and regulations in all programs and activities. HRPDC's website, www.hrpdcva.gov, and HRTPO's website, www.hrtpo.org, may be translated into multiple languages. Publications and other public documents can be made available in alternative languages and formats, if requested. HRPDC public meetings are always held in ADA-accessible facilities and in transit-accessible locations when possible. Auxiliary services can be provided to individuals who submit a request at least seven days prior to a meeting. Requests made within seven days will be accommodated to the greatest extent possible. Any person who believes they have been aggrieved by an unlawful discriminatory practice by HRPDC under Title VI has a right to file a formal complaint. Any such complaint may be in writing and filed with HRPDC's Title VI Administrator and/or the appropriate state or federal agency within 180 days of the alleged discriminatory occurrence. For more information on HRPDC's Title VI program, or to obtain a Title VI Complaint Form, please call (757) 420-8300 or email: kmiller@hrpdcva.gov.

HRPDC and HRTPO | 723 Woodlake Drive, Chesapeake, VA 23320

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#### John Sadler

×

From:	
Sent:	
To:	
Subject:	

NEWS <news@hrpdcva.gov> Friday, July 9, 2021 10:20 AM Danielle Spach HRPDC-HRTPO E-Update July 2021

## **E-UPDATE**



#### Hampton Roads Economic Monthly: School's out! But who was "IN" for 2020?

Now that school's out for summer in Hampton Roads, we dug into the Virginia Department of Education's Fall enrollment data to understand the impact COVID-19 may have had on students in the region.

×

Many states, including Virginia, reported declines in public school enrollment for the Fall of 2020. From 2019 to 2020, Fall enrollment overall in Hampton Roads declined by over 4.5%, while public school enrollment in the same time period in Virginia declined by nearly 3.5%. Overall Fall public school enrollment in Hampton Roads has been declining for the past 15 years at roughly 0.5% per year, so a slight decline would not have been out of the ordinary, but this was over eight times the 15-year average annual rate of decline. Other states in the Southeast experienced similar declines in enrollment, with North Carolina experiencing 4% decline, Maryland at 3%, South Carolina at 2.6%, and the District of Columbia showed a 1% decline in enrollment during 2020.

Figure 1: YoY percent change in total public school enrollment in Hampton Roads. Source: Virginia Department of Education, HRPDC

#### Regional Transportation Plan Adopted

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As the federally designated Metropolitan Planning Organization for Hampton Roads, the Hampton Roads Transportation Planning Organization (HRTPO) is required to develop and maintain a Long-Range Transportation Plan (LRTP), which serves as the region's transportation blueprint. On June 17, 2021, the HRTPO adopted the 2045 LRTP to help guide multimodal transportation investments for the region over the next twenty-four years.

#### Hampton Roads 2045 Rural Long-Range Transportation Plan Kickoff

With the recent adoption of the Hampton Roads 2045 Long-Range Transportation Plan (LRTP) for the metropolitan areas of the region, the Hampton Roads Transportation Planning Organization (HRTPO) is kicking off the update to the rural version of the LRTP. Over the next couple of months, HRTPO staff will be collaborating with rural area stakeholders and the public on developing the Rural Long-Range Transportation Plan (RLRTP) for the horizon year of 2045 that specifically covers the City of Franklin and Southampton County.

×

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#### An Abundance of Gratitude for Our Region's Water Professionals

On June 30<sup>th</sup>, we recognized Hampton Roads' essential water workers for Annual Drinking Water and Wastewater Professionals Appreciation Day in Virginia. These regional water and wastewater employees kept the taps flowing and commodes going throughout a global pandemic.

#### July Map of the Month – Be Prepared! Historic Hurricanes in Hampton Roads & Getting Ready for 2021 Hurricane Season

Dozens of storms have impacted Hampton Roads over the years and the region is always a potential target. This month's *map* depicts the paths of hurricanes and tropical storms which have passed through or near Hampton Roads between 1851 and 2020.

#### **Public Comment Opportunity**

HRTPO FY 2021-2024 Transportation Improvement Program: Proposed Amendments

Second Virtual Public Meeting for the Hampton Roads Hazard Mitigation Plan Update - 5:00pm, July 29 2021

#### **HRPDC/HRTPO In the News**

New Initiative to Remind Residents to Keep Regional Waterways Clean (WY Daily) Know Your Flood Risk (The Hampton Roads Show)

Opinion: Cheers to Hampton Roads' invaluable water

**WORKERS** (Virginian-Pilot and Daily Press)

#### From Our Partners! DRPT Virginia Commuter Survey-Tell DRPT About Your Commute

The Virginia Department of Transportation (VDOT) in partnership with the Department of Rail and Public Transportation (DRPT) is collecting data associated with travel to and from work in response to COVID-19 in Virginia. The COVID-19 pandemic has changed the way people are traveling, including, to and from work. The purpose of the recurring Virginia Commuter Surveys is to understand how commutes are changing and identify opportunities to improve commuting during and after this pandemic.

#### Hampton Roads COVID-19 Impact Planning Hub

Visit the COVID-19 Im Hampton Roads.	ipact Planning Hu	b to get the	latest informat	ion on COVID-19 in		
Upcoming Meetings						
			×			

#### **RFP/RFQ Opportunities**

On Behalf of the Southside Network Authority

**Request for Proposal #SNA-RFP-2021-02**: The Hampton Roads Planning District Commission, on behalf of the Southside Network Authority (the Authority), is soliciting for Qualifications and Conceptual Proposals for the Southside Hampton Roads Regional Fiber Connectivity Ring. Interested parties should refer to the full request for proposal (RFP) posted below. Submit by 2:00 P.M. Eastern Daylight Time on **Tuesday, August 24, 2021**.

×

KENDALL L. MILLER Administrator, Office of Community Affairs and Civil Rights

JOE TURNER Communications and Web Manager

ROBERT COFIELD Graphic and Web Designer Phone: 757.420.8300 Fax: 757.523.4881 TTY: 757.390.2578

**HRPDC Website** 

**HRTPO Website** 

Join Mailing List

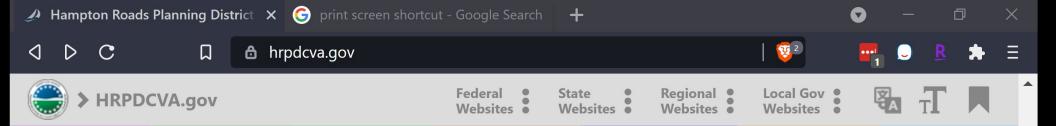
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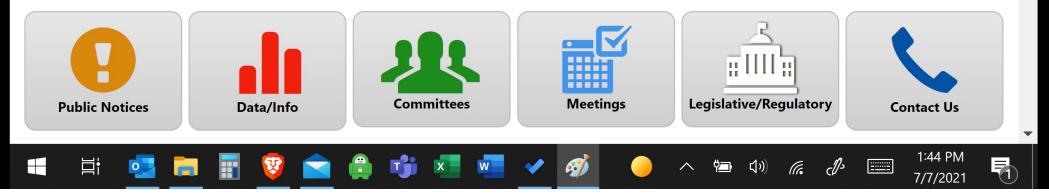


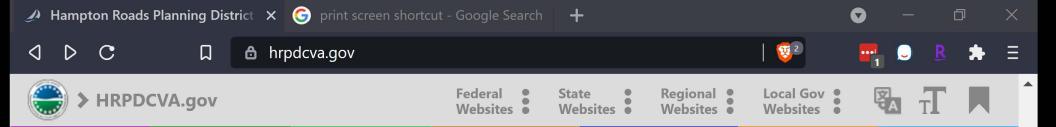
#### Welcome to the Hampton Roads Planning District Commission

 Hampton Roads Hazard Mitigation Plan
 Bestore about our Regional Coastal Resilience Planning Efforts

 Hampton Roads Hazard Mitigation Plan
 Bestore Ready

 Are You Flood Fluent?
 Are You Flood Fluent?





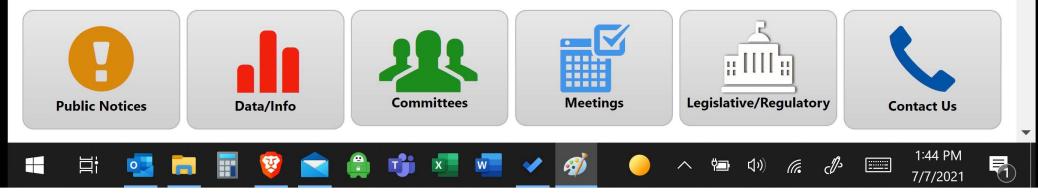
#### Welcome to the Hampton Roads Planning District Commission

 Hampton Roads Hazard Mitigation
 Second Virtual Public Meeting for the Hampton Roads Hazard Mitigation Plan

 Hampton Roads Hazard Mitigation
 Learn more about our Regional Coastal Resilience Planning Efforts

 Hampton Roads Hazard Mitigation
 Plan Update

 Kester Ready
 Are You Flood Fluent?

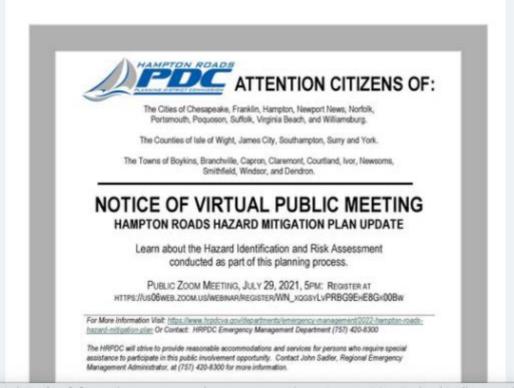




#### Peninsulas EMS Council Published by Steve Pincus • Yesterday at 8:17 AM • •

There will be a virtual public zoom meeting on the Hampton Roads Hazard Mitigation Plan Update on July 29, 2021 at 5 p.m. Members of the public may register at:

HTTPS://US06WEB.ZOOM.US/WEBINAR/REGISTER/WN\_XQGSYLVP RBG9EHE8GX00BW



#### FW: Portsmouth Health Survey| Hampton Roads Hazard Mitigation Plan Meeting

Rubino, Joseph <rubinoj@portsmouthva.gov> Fri 7/23/2021 2:23 PM To: John Sadler <jsadler@hrpdcva.gov> This was posted by our PIO.

Respectfully,

Captain Joseph M. Rubino Interim Deputy Coordinator of Emergency Management Office of Emergency Management Portsmouth Fire, Rescue and Emergency Services (757) 393-8338 ext. 279 (office) (757) 560-6220 (cell)

From: Woodson, Dana <woodsond@portsmouthva.gov>
Sent: Tuesday, July 20, 2021 4:43 PM
To: Woodson, Dana <woodsond@portsmouthva.gov>
Subject: Portsmouth Health Survey | Hampton Roads Hazard Mitigation Plan Meeting





#### Portsmouth Community Health Survey 2021

Mail - John Sadler - Outlook



Portsmouth Health Department needs your help. Share your opinions by completing the short Community Health Survey 2021 in less than 10 minutes.

Why is this so important?

Your responses will help your local health department provide services, programs, and education specific to the needs of Portsmouth.

You can participate in 1 of 2 ways:

1. Scan the QR code and complete the survey

2. Click this link

https://survey123.arcgis.com/.../cc34c92dccb542d2a5d2cfa01a31...

Thank you for sharing your opinions with the Portsmouth Health Department.



The Cities of Chesapeake, Franklin, Hampton, Newport News, Norfolk, Portsmouth, Poquoson, Suffolk, Virginia Beach, and Williamsburg.

The Counties of Isle of Wight, James City, Southampton, Surry and York.

The Towns of Boykins, Branchville, Capron, Claremont, Courtland, Ivor, Newsoms, Smithfield, Windsor, and Dendron.

#### NOTICE OF VIRTUAL PUBLIC MEETING HAMPTON ROADS HAZARD MITIGATION PLAN UPDATE

Learn about the Hazard Identification and Risk Assessment conducted as part of this planning process.

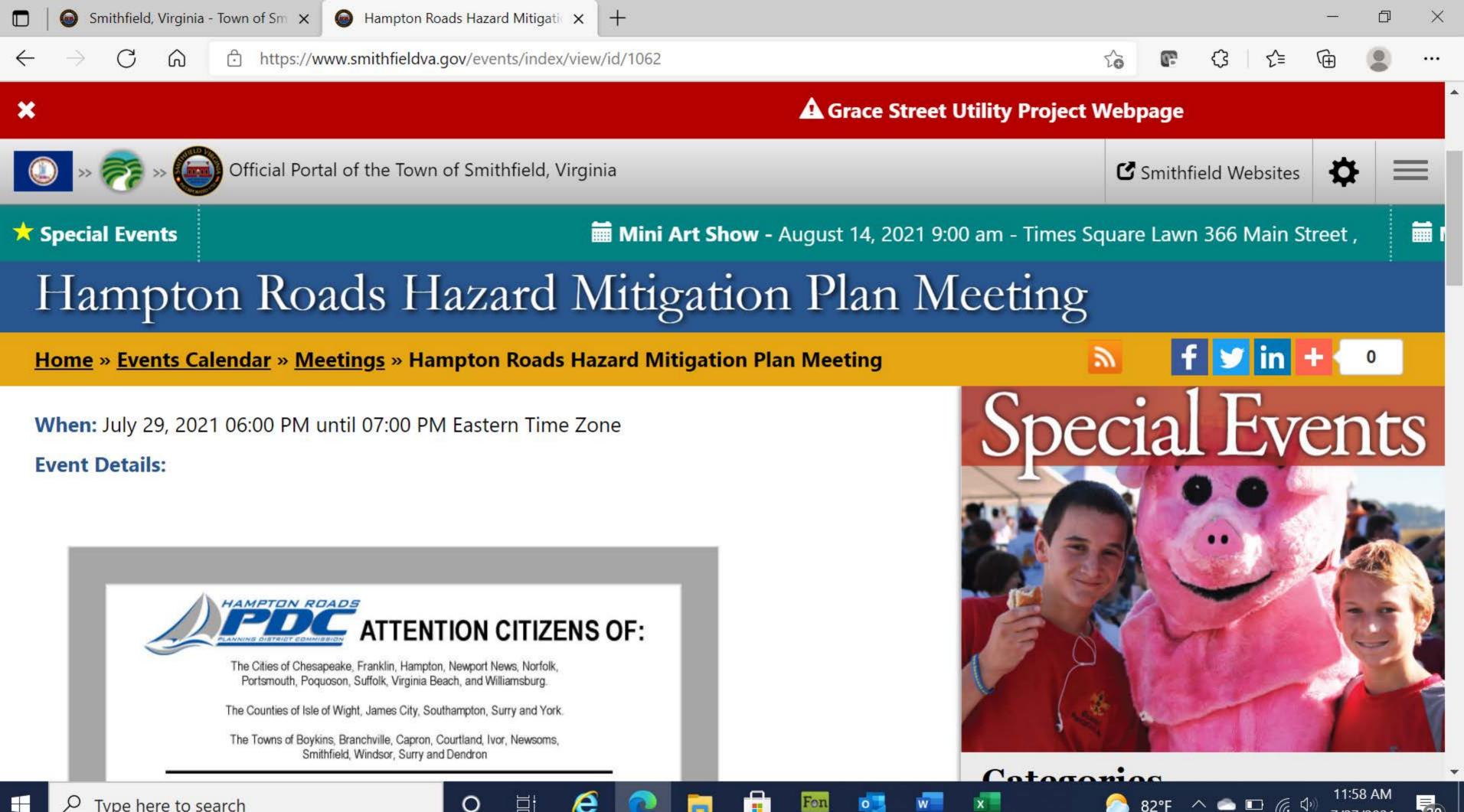
PUBLIC ZOOM MEETING, JULY 29, 2021, 5PM: REGISTER AT https://us06web.zoom.us/webinar/register/WN\_xqgsyLvPRBG9EhE8Gx00Bw

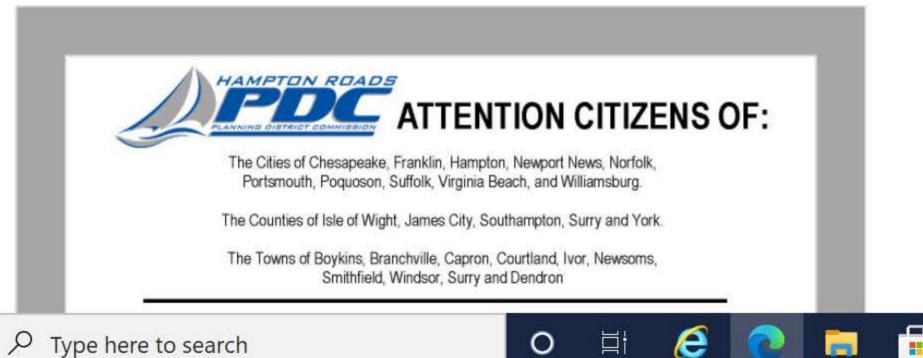
For More Information Visit: <u>https://www.hrpdcva.gov/departments/emergency-management/2022-hampton-roads-hazard-mitigation-plan</u> Or Contact: HRPDC Emergency Management Department (757) 420-8300

The HRPDC will strive to provide reasonable accommodations and services for persons who require special assistance to participate in this public involvement opportunity. Contact John Sadler, Regional Emergency Management Administrator, at (757) 420-8300 for more information.

ZOOM MEETING LINK:

HTTPS://US06WEB.ZOOM.US/WEBINAR/REGISTER/WN\_XQGSYLVPRBG9EHE8GX00Bw







7/27/2021

## PUBLIC NOTICE

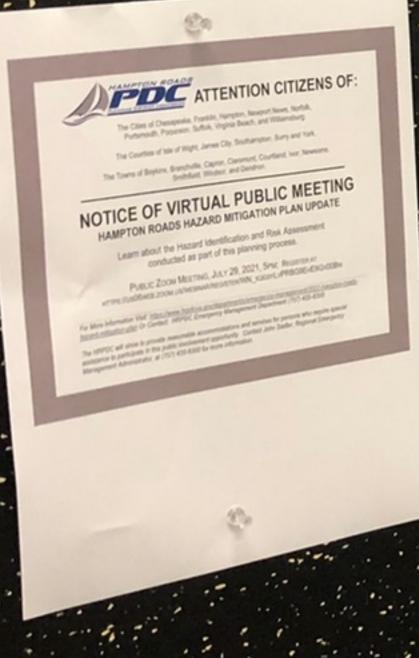
THE AGRICULTURAL ADVISORY COMMITTEE

> WILL CONDUCT MEETINGS ON

APRIL 1<sup>ST</sup>, APRIL 22<sup>ND</sup>, JULY 22<sup>nd</sup>, OCTOBER 28<sup>TH</sup> AT 6:00 P.M.

> CITY COUNCIL CHAMBER 442 WEST WASHINGTON STREET

Permanent public notice. Pieces do not remove



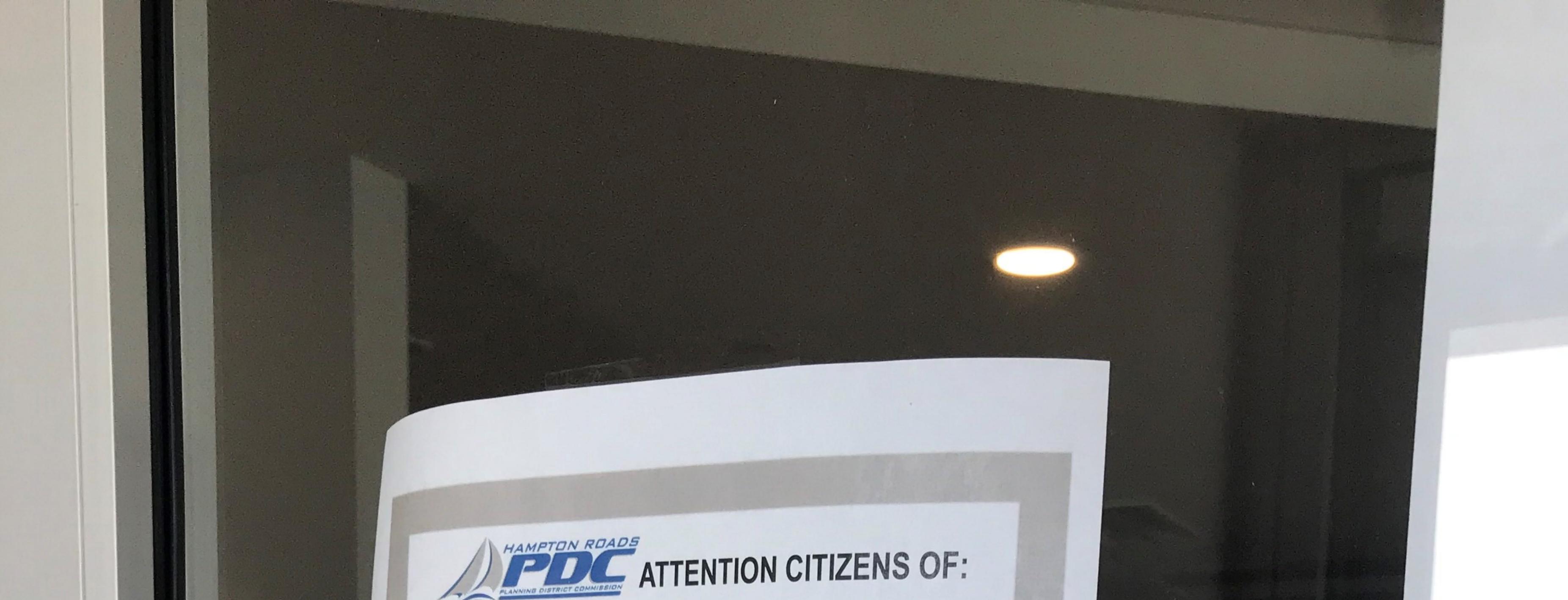
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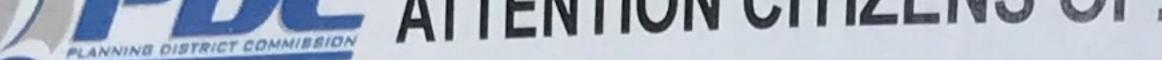
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The Cities of Chesapeake, Franklin, Hampton, Newport News, Norfolk, Portsmouth, Poquoson, Suffolk, Virginia Beach, and Williamsburg.

The Counties of Isle of Wight, James City, Southampton, Surry and York.

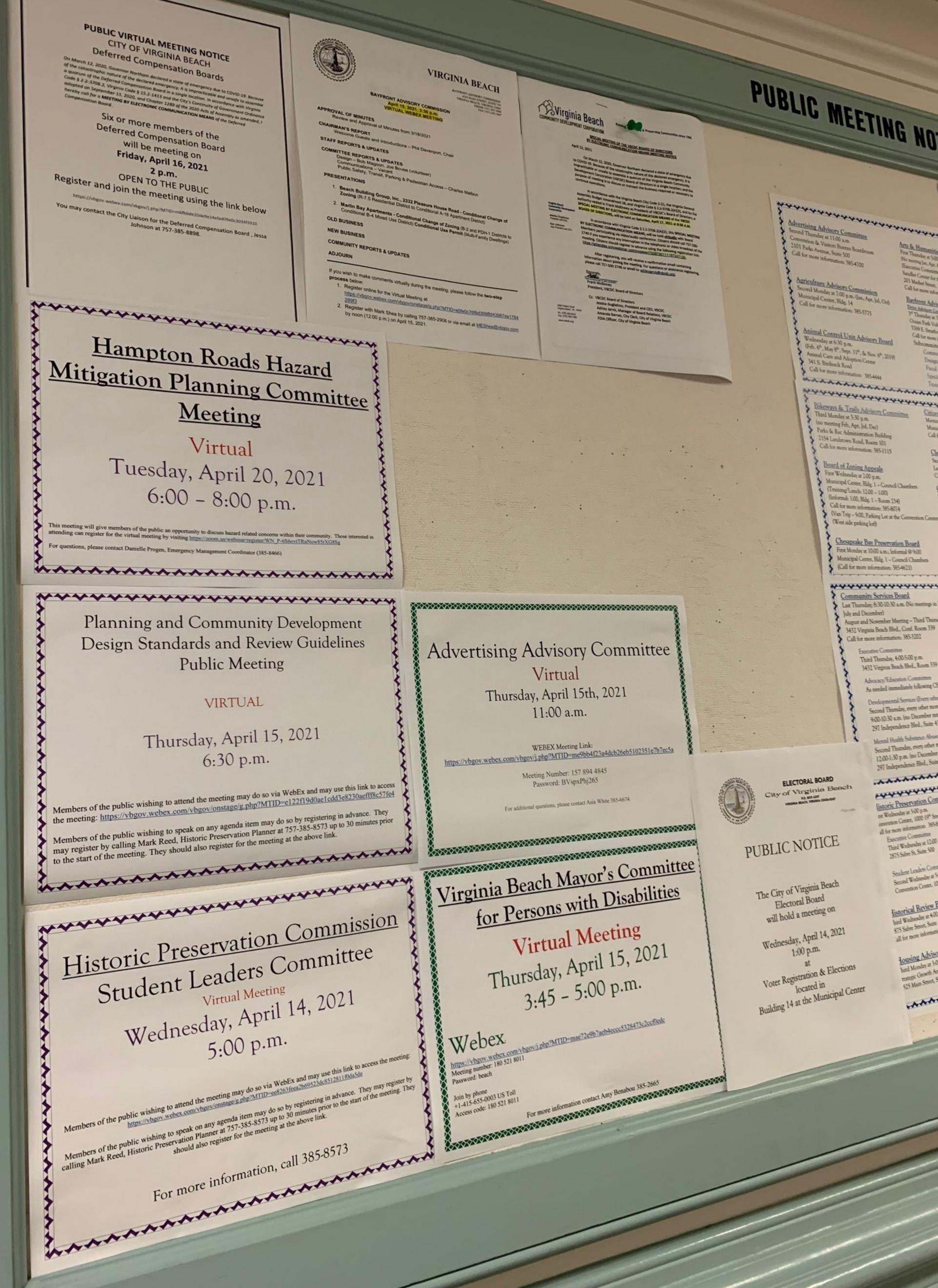
The Towns of Boykins, Branchville, Capron, Courtland, Ivor, Newsoms, Smithfield, Windsor, and Surry Towns.

## NOTICE OF VIRTUAL PUBLIC MEETING HAMPTON ROADS HAZARD MITIGATION PLAN UPDATE

Share your local knowledge and thoughts on the Hampton Roads Hazard Mitigation Plan update process. PUBLIC ZOOM MEETING, APRIL 20, 2021, 6PM: CLICK HERE TO REGISTER OR VISIT HTTPS://ZOOM.US/WEBINAR/REGISTER/WN P-6S60VTTRUNOW85RXG8SG TAKE THE PUBLIC SURVEY: CLICK HERE OR SCAN QR CODE For More Information Visit: https://www.hrpdcva.gov/departments/emergencymanagement/hampton-roads-hazard-mitigation-plan Or Contact: HRPDC Emergency Management Department (757) 420-8300 "记忆和我们经济回

The HRPDC will strive to provide reasonable accommodations and services for persons who require special assistance to participate in this public involvement opportunity. Contact John Sadler, Regional Emergency Management Administrator at (757) 420-8300 for more information.





adopted on September 15, 2020, and Chapter Station MEANS of the Deferred hereby call for a MEETING BY ELECTRONIC COMMUNICATION MEANS of the Deferred Compensation Board..

Six or more members of the Deferred Compensation Board will be meeting on Friday, April 16, 2021 2 p.m. OPEN TO THE PUBLIC Register and join the meeting using the link below

https://vbgov.webex.com/vbgov/j.php?MTID=m6fbbde20de9e14efad09e0c3034f3910

You may contact the City Liaison for the Deferred Compensation Board , Jessa Johnson at 757-385-8898.

COMMITTEE REPORTS & UPDATES Design – Bob Magoon, Joe Bovee (volunteer)

Communications - Vacant Public Safety, Transit, Parking & Pedestrian Access - Charles Malbon

#### PRESENTATIONS

- 1. Beach Building Group, Inc., 2332 Pleasure House Road Condition Zoning (R-7.5 Residential District to Conditional A-18 Apartment District
- 2. Marlin Bay Apartments Conditional Change of Zoning (B-2 and P Conditional B-4 Mixed Use District) Conditional Use Permit (Multi-Fa

**OLD BUSINESS** 

**NEW BUSINESS** 

**COMMUNITY REPORTS & UPDATES** 

#### ADJOURN

If you wish to make comments virtually during the meeting, please follow to process below:

- 1. Register online for the Virtual Meeting at https://vbgov.webex.com/vbgov/onstage/g.php?MTID=e0fe0c76f8 289f3
- Register with Mark Shea by calling 757-385-2908 or via email at by noon (12:00 p.m.) on April 15, 2021.

## <u>Hampton Roads Hazard</u> <u>Mitigation Planning Committee</u> <u>Meeting</u> Virtual

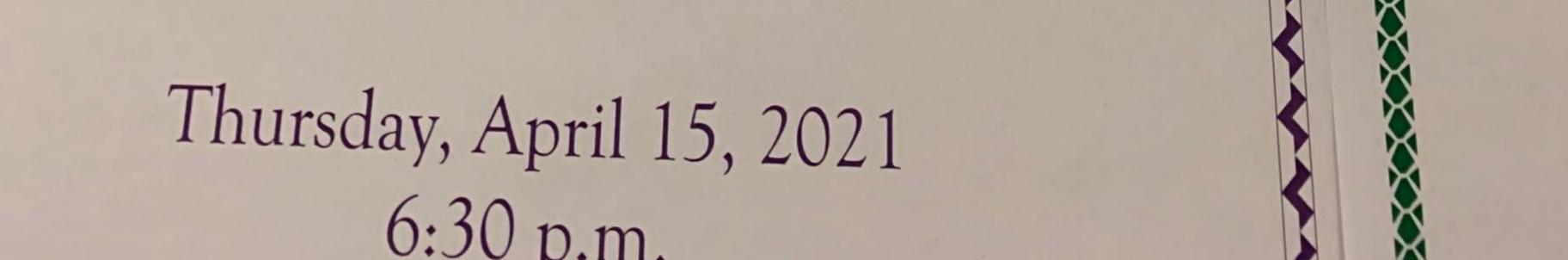
## Tuesday, April 20, 2021 6:00 – 8:00 p.m.

This meeting will give members of the public an opportunity to discuss hazard related concerns within their community. Those interested in attending can register for the virtual meeting by visiting <u>https://zoom.us/webinar/register/WN\_P-6S6ovtTRuNow85rXG8Sg</u>

For questions, please contact Danielle Progen, Emergency Management Coordinator (385-8466)

Planning and Community Development Design Standards and Review Guidelines Public Meeting

VIRTUAL



### VB

#### Coronavirus Information

For information about Coronavirus, visit our emergency site <u>(https://emergency.vbgov.com/coronavirus</u>) at https://emergency.vbgov.com/coronavirus (<u>https://emergency.vbgov.com/coronavirus</u>).

Join Virtual Public Meeting April 20 for Hampton Roads Hazard Mitigation Plan Update

#### Public survey option available to help prioritize various hazard types

Friday, April 09, 2021

The first public meeting for the 2022 Hampton Roads Hazard Mitigation Plan will take place April 20, 2021 from 6 to 8 p.m. online via Zoom. Residents will have an opportunity to discuss hazard-related concerns within the community and share thoughts on the Hampton Roads Hazard Mitigation Plan update process.

A Hazard Mitigation Plan is the result of a planning process to identify hazards and develop strategies to reduce loss of life and property. This planning process is structured around the four phases of the Disaster Mitigation Act of 2000, which the region's planning consultant has aligned with the 10 steps of the Federal Emergency Management Agency's (FEMA) Community Rating System (CRS). Having an adopted Hazard Mitigation Plan that is updated every five years helps ensure each community in the region is eligible for federal disaster funding following a disaster event.

The planning committee has initially identified 13 types of hazards for inclusion in the plan to include flooding, sea level rise, tropical storm, shoreline erosion and communicable disease. Citizen participation in the public meeting will allow the planning team to understand what types of hazards are of most concern to residents and what hazards to prioritize.

#### **Register for the Meeting**

Members of the public can register to participate in the public meeting here <u>(https://zoom.us/webinar/register/WN\_P-6S6ovtTRuNow85rXG8Sg</u>) or by visiting https://zoom.us/webinar/register/WN\_P-6S6ovtTRuNow85rXG8Sg (https://zoom.us/webinar/register/WN\_P-6S6ovtTRuNow85rXG8Sg).

#### Take the Public Participation Survey

The public participation survey gives members of the public an opportunity to provide input on the type of hazards they are most concerned about within their community. This information will help inform various parts of the planning process, including mitigation actions as planning teams move forward. Take the survey here <u>(https://forms.office.com/Pages/ResponsePage.aspx?id=DQSIkWdsW0yxEjajBLZtrQAAAAAAAAAAO\_dKuUnBUQUtCNklZS1RTSzRaUFQwVUg3QVU1QVFGRS4u</u>).

For more information regarding 2022 Hampton Roads Hazard Mitigation Plan, the FEMA Community Rating System program and to follow the planning process, visit https://www.hrpdcva.gov/https://www.hrpdcva.gov/).

###

CONTACT INFORMATION

Julie Hill

**C** (757) 385-4436 (tel:7573854436)

jhill@vbgov.com (mailto:jhill@vbgov.com)



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County Administrator Neil A. Morgan



June 30, 2021

Hampton Roads Planning District Commission 723 Woodlake Drive Chesapeake, Virginia 23320

To Whom It May Concern:

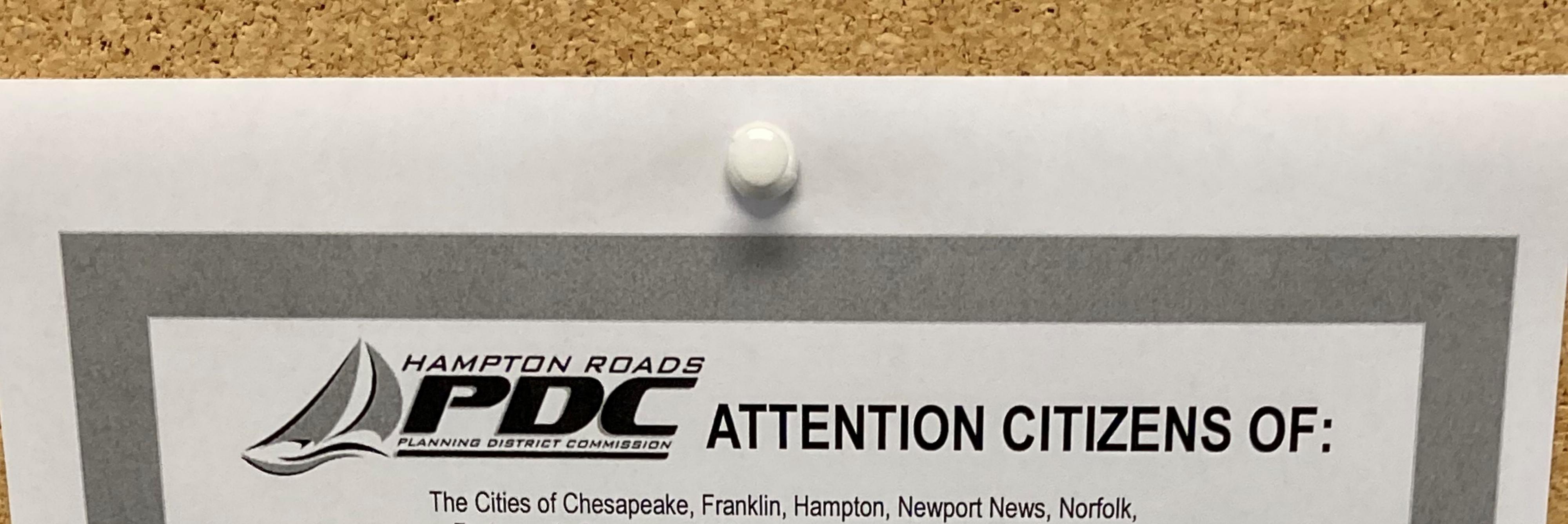
On June 30, 2021, the flyer concerning the public's ability to participate in the Hampton Roads Hazard Mitigation Plan update was posted in the County Administration building located at 224 Ballard Street, Yorktown. A screenshot of the posting is attached to this letter.

If I can be of any further assistance to you, please do not hesitate to contact me.

Sincerely,

Heather L. Schott, CMC Legislative Assistant/Deputy Clerk

Attachment



Portsmouth, Poquoson, Suffolk, Virginia Beach, and Williamsburg.

The Counties of Isle of Wight, James City, Southampton, Surry and York.

The Towns of Boykins, Branchville, Capron, Claremont, Courtland, Ivor, Newsoms, Smithfield, Windsor, and Dendron.

# **NOTICE OF VIRTUAL PUBLIC MEETING** HAMPTON ROADS HAZARD MITIGATION PLAN UPDATE

Learn about the Hazard Identification and Risk Assessment conducted as part of this planning process.

PUBLIC ZOOM MEETING, JULY 29, 2021, 5PM: REGISTER AT HTTPS://US06WEB.ZOOM.US/WEBINAR/REGISTER/WN\_XQGSYLVPRBG9EHE8GX00BW

For More Information Visit: https://www.hrpdcva.gov/departments/emergency-management/2022-hampton-roadshazard-mitigation-plan Or Contact: HRPDC Emergency Management Department (757) 420-8300

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### Hampton Roads Hazard Mitigation Plan Update

#### Workshop #2 Minutes

September 28, 2021, 10:00 am – Virtual Meeting via Zoom

#### AGENDA

- Introductions
- Review of Planning Process
- Brainstorming about Goals & Objectives
- Examining the Plan's Existing Goals & Objectives
- Examining Capabilities
- Next Steps & Schedule

#### MEETING NOTES

- Objective 1.4 should be expanded to specify that <u>diverse</u>, equitable and inclusive government services, as well as government functions, should be maintained throughout the duration of hazard events, not just during the event itself.
- The group determined that the FEMA comments for High Hazard Potential Dams necessitates adding ", including High Hazard Potential Dams" to Objective 1.3
- Objective 2.1 was changed to specify citizens, not just property owners, should take responsibility for reducing vulnerability.
- Objective 2.2 was added to ensure hazard education is provided across all elements of the communities, a concept taken from Hampton's *Living with Water* effort.
- Objective 2.3 was added to expand the partnership concept from Goal 3 into the education focus of Goal 2. Objective 2.3 focuses on using partnerships to facilitate access to educational and citizens feedback opportunities.
- Objective 3.4 was expanded to include private organizations in partnership development.
- The group generally appeared to prefer a hybrid approach for Workshop #3 and the development of new and revised mitigation actions for 2022.

#### ATTENDEES

Danielle	Progen	Virginia Beach
James	Haluska	jdhaluska@gmail.com
Harrison	Bresee	Va DEM
Paul	Long	Thomas Nelson Community College
Steve	Pincus	Virginia EMS
Amy	Parker	York County
Ray	Phelps	Surry County
Michael	Player	Virginia EMS
Marissa	Jones	Virginia Beach
David	Jurgens	City of Chesapeake
Christina	Johnson	Jefferson Labs
Whitney Katchmark		Hampton Roads PDC
Louis	Bott	City of Newport News

Larry	Snyder, Jr.	City of Williamsburg
Riana Rich		
Matthew	Simons	City of Norfolk
Anas	Malkawi	Hampton Roads Sanitation District
Brian	Spicer	City of Suffolk
David	Luke	U.S. Department of Energy
Daniel	Hudson	City Norfolk
Carolyn	Malloy	Virginia EMS
Ana	Elezovic	City of Chesapeake
Heather	Brown	City of Newport News
Fire & Life Safety,		
Sean Segerblom		York County
William	Saunders	Town of Windsor
David	Long	Virginia EMS
Jim	Kaste	William & Mary
Lucy	Stoll	City of Chesapeake
Judith	Shuck	Virginia EMS
PJ	Scully	City of Virginia Beach
Sara	Ruch	James City County
John	Millspaugh	Arcadis
Ed Barnette		American Red Cross
		Hampton Roads Planning District
John	Sadler	Commission
Patrick	Hughes	City of Chesapeake
Richard	Stephens	City of Suffolk
Renee	Нирр	FEMA
George	Glazner	City of Newport News
Judith	Hinch	
Michael	Woolson	James City County
Markiella	Moore	Chesapeake NEMAC
Mohammad	Shar	City of Hampton
Alex	Gurchinoff Schlebach	U.S. Army Corps of Engineers
Tristian	Barnes	City of Norfolk
Katie	Moody	Plan RVA
Kenton	Towner	William & Mary
William	Egerton	American Red Cross
Danielle	Spach	City of Virginia Beach
Gail	Whittaker	York County
Whitney	McNamara	City of Virginia Beach
Jeff	Merritt	
Mark	Heckler	City of Chesapeake
Jay	Ruffa	Crater Planning District Commission
Beth	Lewis	Southampton County
Ponjamin	McEarlana	Hampton Roads Planning District Commission
Benjamin	McFarlane Smith	
Carlee Heather	Smith	City of Franklin
	Stanton	City of Chesapeake
Will	Drewery	Isle of Wight County

Bobby	Gelormine	City of Chesapeake
Scott	Smith	City of Hampton
Hui-Shan	Walker	City of Hampton
Rick	Berquist	William & Mary
Elaina	Dariah	theplanningcouncil.org
Michael	Teener	James City County
Nikki-NN DEM		City of Newport News
Tamara	Bullock	City of Hampton
Carolyn	Heaps	City of Hampton
Leigh Ann	Erdman	U.S. Dept of Veterans Affairs
Cashayla	Rodgers	City of Hampton
Tracy	Hanger	City of Hampton
Robert	Angrisani	U.S. Army Corps of Engineers
Ross	Weaver	Wetlands Watch
Kent	Henkel	York County
Jalesha	Smith	City of Norfolk
Kaleen	Lawsure	Old Dominion University
Kyle	Spencer	City of Norfolk

#### INVITEES

Email invitations were issued to each of the individuals shown on the following email invite. In addition, each primary contact for the communities forwarded the message and made additional phone calls to their staff and interested persons. Additional advertisements by individual communities are on file with the HRPDC and will be included in the appendices of the final 2022 Hazard Mitigation Plan. Stakeholders were also invited directly by the PDC, including:

PLANRVA Crater PDC Va Dept of Mines, Minerals and Energy USACE Va Dept of Environmental Quality Va Dept of Conservation and Recreation Va Dept of Forestry Va Institute of Marine Science Port of Virginia Cox Communications Hampton Roads Sanitation District Sentara Fort Monroe Authority William & Mary Old Dominion University Va Dept of Health Dominion Energy

#### Leigh.morgan.chapman@gmail.com

Subject: Location:	Hampton Roads Hazard Mitigation Plan Update - Workshop #2 https://us02web.zoom.us/j/81131741938?pwd=eDBmMkRqeFdiRFBsQUNsWElmWU5hdz09
Start: End: Show Time As:	Tue 9/28/2021 10:30 AM Tue 9/28/2021 12:00 PM Tentative
Recurrence:	(none)
Meeting Status:	Not yet responded
Organizer:	John Sadler

From: John Sadler <jsadler@hrpdcva.gov>

Sent: Thursday, September 9, 2021 4:11 PM

To: John Sadler; Slater, Noelle; Parson, Shane; aubrie.mcclendon2@redcross.org; u2pilot@verizon.net; lisa.mike@redcross.org; william.egerton@redcross.org; john.millspaugh@arcadis.com; mayor; boykins@townofboykinsva.com; harold.futrell; kitchenswelding1@cs.com; eelliott@cityofchesapeake.net; kfinnerty@cityofchesapeake.net; lstoll@cityofchesapeake.net; mbarber@cityofchesapeake.net; phughes@cityofchesapeake.net; rbraidwood; Robert Gelormine; sawan@cityofchesapeake.net; judy.hinch@cox.net; markiella@verizon.net; tammy.waldroup@cnu.edu; townclaremont@aol.com; jeff.merritt@cox.com; jessie.lacks@cox.com; kyle.martin@cox.com; jruffa@craterpdc.org; satcinc53@yahoo.com; sylvia.d.white@dominionenergy.com; jshuck@vaems.org; bpierce@vaems.org; dlong@vaems.org; mplayer@vaems.org; spincus@vaems.org; mari.radford@fema.dhs.gov; renee.hupp@fema.dhs.gov; robert.c.starr2.civ@mail.mil; jhutcheson@fmauthority.com; crsmith@franklinva.com; dgoodwin; Vernie Francis; bamajor@gloucesterva.info; Heaps, Carolyn; hwalker@hampton.gov; sbond@hampton.gov; tracy.hanger@hampton.gov; Ben McFarlane; John Sadler; Whitney Katchmark; amalkawi@hrsd.com; jsee@hrsd.com; Rob Case; vsmiley@hrtransit.org; lgdotolo@aol.com; hackett@vaems.org; phumphries; wdrewery@isleofwightus.net; office; michael.woolson@iamescitycountyva.gov; ryan.ashe@jamescitycountyva.gov; sara.ruch; david.luke@science.doe.gov; cjohnson@jlab.org; robyn.niss@kimleyhorn.com; jgarrett@cityofchesapeake.net; mheckler@cityofchesapeake.net; eric.seymour@noaa.gov; jeff.orrock@noaa.gov; ruth.reich@navy.mil; gglazner@nnva.gov; Heather L Brown; johnsonjs@nnva.gov; bottlj@nnva.gov; ndelvalle@nnva.gov; daniel.hudson@norfolk.gov; jalesha.smith@norfolk.gov; james.redick; Spencer, Kyle; matthew.simons@norfolk.gov; michael.goldsmith@norfolk.gov; scott.mahone@norfolk.gov; Barnes, Tristian; jhoernig@odu.edu; Imason@odu.edu; edariah@theplanningcouncil.org; KMoody@planrva.org; SStewart@planrva.org; john.young; kenneth.somerset@poquoson-va.gov; Michael.Bryant; rubinoj@portsmouthva.gov; mangubatn@portsmouthva.gov; djurgens@cityofchesapeake.net; mark.rath@rivhs.com; leigh.morgan.chapman@gmail.com; lrbush@sentara.com; ahowell@smithfieldva.gov; mstallings; blewis@southamptoncounty.org; llowe@southamptoncounty.org; mjohnson; bspicer@suffolkva.us; rstephens; rphelps; longp@tncc.edu; debbie.coon@townebank.net; debbie.wright@townebank.net; ronnie.greene@townebank.net; alex.j.gurchinoff.schlebach@usace.army.mil; greggory.g.williams@usace.army.mil; paul.b.moye@usace.army.mil; robert.s.angrisani@usace.army.mil; stephen.j.harrison@uscg.mil; leighann.erdman@va.gov; brian.russell@vdem.virginia.gov; bruce.sterling@vdem.virginia.gov; Bresee, Harrison (VDEM); john.hisghman@dof.virginia.gov; larry.hill@vdh.virginia.gov; john.cooke@vdh.virginia.gov; perla.santillan@vdh.virginia.gov; anne.witt@dmme.virginia.gov; gluptonsr@gmail.com; Danielle C. Progen; dtopczynski@vbgov.com; marajones@vbgov.com; Danielle R. Spach; Whitney K. McNamara; mason@vims.edu; ikibler@southernco.com; bezell@odu.edu; klawsure@odu.edu; ross.weaver@wetlandswatch.org; jmkaste@wm.edu; katowner@wm.edu; deagle; lsnyder; wsaunders@windsor-va.gov; aparker@yorkcounty.gov; whittgl@yorkcounty.gov; henkel@yorkcounty.gov; Sean Segerblom; kopczyns; susan.kassel@yorkcounty.gov

Subject: Hampton Roads Hazard Mitigation Plan Update - Workshop #2 When: Tuesday, September 28, 2021 10:30 AM-12:00 PM (UTC-05:00) Eastern Time (US & Canada). Where: https://us02web.zoom.us/j/81131741938?pwd=eDBmMkRqeFdiRFBsQUNsWElmWU5hdz09

At this meeting, we will focus on updating and revising the existing plan's goals and objectives. Keeping in mind each community's changes in capabilities, we will walk through the existing goals and make sure they match the everchanging landscape of hazard mitigation in Hampton Roads. CRS communities need to send at least 2 representatives (hopefully the same 2!), and all communities and stakeholders need to plan on having representation at the meeting. We recommend you work through the attached capability worksheet with your community staff prior to this meeting.

Feel free to forward to anyone in you agency you believe would be interested.

Join Zoom Meeting https://us02web.zoom.us/j/81131741938?pwd=eDBmMkRgeFdiRFBsQUNsWEImWU5hdz09

Meeting ID: 811 3174 1938 Passcode: 929758 One tap mobile +16468769923,,81131741938#,,,,\*929758# US (New York) +13017158592,,81131741938#,,,,\*929758# US (Washington DC)

Dial by your location

+1 646 876 9923 US (New York) +1 301 715 8592 US (Washington DC) +1 312 626 6799 US (Chicago) +1 408 638 0968 US (San Jose) +1 669 900 6833 US (San Jose) +1 253 215 8782 US (Tacoma) +1 346 248 7799 US (Houston) Meeting ID: 811 3174 1938 Passcode: 929758

Find your local number: https://us02web.zoom.us/u/kljKaOrjY

# Hampton Roads Hazard Mitigation Plan Update

## Workshop #3 Minutes

November 9, 2021, 1:00 pm – Virtual Meeting via Zoom

#### AGENDA

- Introductions
- Review of Planning Process
- Discussion of Prevention Mitigation Strategies
- Discussion of Property Protection Mitigation Strategies
- Discussion of Natural Resource Protection Mitigation Strategies
- Discussion of Structural Project Mitigation Strategies
- Discussion of Emergency Services Mitigation Strategies
- Discussion of Public Education & Awareness Mitigation Strategies
- STAPLEE Evaluation Review
- Existing and Proposed Regional Mitigation Actions
- Suggested Reading Materials
- Next Steps & Schedule

### MEETING NOTES

- The group reviewed various types of mitigation strategies and discussed examples of each type, with many examples from around the region.
- The STAPLEE evaluation process for reviewing individual mitigation actions was reviewed.
- A long discussion on mitigation actions from the 2017 plan resulted in changes to those actions. Action 1 was modified to remove sidescan LIDAR and replaced with desire to collect lowest floor elevations by collecting existing or creating new Elevation Certificates. Action 2 was edited to reflect desire to use AHAC and HRPDC to develop additional regional mitigation strategies and host annual workshop on funding. Action 3 was edited to refocus on HAZUS input and output data. Group decided to remove Action 4 because a Commodity Flow Study has been identified as a capability gap in the regional THIRA and has been referred to the LEPC for completion.
- The group discussed addition of several new regional mitigation actions regarding: NFIP repetitive flood loss data analysis at the state or regional level and preparation of repetitive flood loss area analyses; use of radon test kits to test structures; verifying status of significant hazard dams region-wide, and strengthening/creating transportation networks for evacuation; and partnering with private companies on critical lifeline continuity.

## ATTENDEES

Amy	Parker	York County
Ray	Phelps	Surry County
Vernie	Francis	Franklin
Natalie	Rountree	Franklin
Larry	Snyder	Williamsburg
Don	Clayton	US Coast Guard
Matthew	Simons	Norfolk
Chris	Bruce	VDEM

Anas	Malkawi	HRSD
Daniel	Hudson	Norfolk
Ana	Elezovic	Chesapeake
Heather	Brown	Newport News
William	Saunders	Windsor
Lucy	Stoll	Chesapeake
Judith	Shuck	Eastern VA Healthcare Coalition
Riana	Rich	HRPDC
John	Millspaugh	Portsmouth Consultant
John	Sadler	HRPDC
George	Glazner	Newport News
Judy	Hinch	ODU
Michael	Woolson	James City County
M.	Moore	Chesapeake NEMAC
Mark	Heckler	Hampton Roads Chiefs of Police
	Gurchinoff	
Alex	Schlebach	USACE
Hannah	Sabo	Hampton
Sean	Segerblom	York County
Tristian	Barnes	Norfolk
Katie	Moody	PlanRVA
Danielle	Spach	Virginia Beach
Gail	Whittaker	York County
Whitney	McNamara	Virginia Beach
Jim	Redick	Norfolk
Mike	Bryant	Poquoson
Angela	King	Hampton
Beth	Lewis	Southampton County
greggory	williams	USACE
Benjamin		HRPDC
Carlee	Smith	Franklin
Bobby kenneth	Gelormine	Chesapeake
Riana	somerset Rich	Poquoson HRPDC
Hui-Shan	Walker	
Michael	Teener	Hampton James City County
Carolyn	Heaps	Hampton
Leigh	Teaps	nampton
Ann	Erdman	U.S. Dept of Veterans Affairs
Tracy	Hanger	Hampton
Robert	Angrisani	USACE
Kent	Henkel	York County
Jalesha	Smith	Norfolk
Kaleen	Lawsure	ODU
Kyle	Spencer	Norfolk

#### INVITEES

Email invitations were issued to each of the individuals shown on the following email invite. In addition, each primary contact for the communities forwarded the message and made additional phone calls to their staff and interested persons. Additional advertisements by individual communities are on file with the HRPDC and will be included in the appendices of the final 2022 Hazard Mitigation Plan. Stakeholders were also invited directly by the PDC, including:

PLANRVA Crater PDC Va Dept of Mines, Minerals and Energy USACE Va Dept of Environmental Quality Va Dept of Conservation and Recreation Va Dept of Forestry Va Institute of Marine Science Port of Virginia Cox Communications Hampton Roads Sanitation District Sentara Fort Monroe Authority William & Mary Old Dominion University Va Dept of Health Dominion Energy

#### Leigh.morgan.chapman@gmail.com

From:	John Sadler <jsadler@hrpdcva.gov></jsadler@hrpdcva.gov>
Sent:	Friday, November 5, 2021 10:08 AM
To:	'leigh.morgan.chapman@gmail.com
Subject:	Invite List - Workshop 3

Flag Status: Flagged

'noelle.slater@aecom.com'; 'Parson, Shane'; 'aubrie.mcclendon2@redcross.org'; 'u2pilot@verizon.net'; 'lisa.mike@redcross.org'; 'william.egerton@redcross.org'; 'john.millspaugh@arcadis.com'; 'mayor@townofboykinsva.com'; 'boykins@townofboykinsva.com'; 'harold.futrell@vadoc.virginia.gov'; 'kitchenswelding1@cs.com'; 'eelliott@cityofchesapeake.net'; 'kfinnerty@cityofchesapeake.net'; 'lstoll@cityofchesapeake.net'; 'mbarber@cityofchesapeake.net'; 'phughes@cityofchesapeake.net'; 'rbraidwood@cityofchesapeake.net'; 'Robert Gelormine'; 'sawan@cityofchesapeake.net'; 'judy.hinch@cox.net'; 'markiella@verizon.net'; 'tammy.waldroup@cnu.edu'; 'townclaremont@aol.com'; 'townclaremont@aol.com'; 'jeff.merritt@cox.com'; 'jessie.lacks@cox.com'; 'kyle.martin@cox.com'; 'jruffa@craterpdc.org'; 'satcinc53@yahoo.com'; 'sylvia.d.white@dominionenergy.com'; 'jshuck@vaems.org'; 'bpierce@vaems.org'; 'dlong@vaems.org'; 'mplayer@vaems.org'; 'spincus@vaems.org'; 'mari.radford@fema.dhs.gov'; 'renee.hupp@fema.dhs.gov'; 'robert.c.starr2.civ@mail.mil'; 'jhutcheson@fmauthority.com'; 'crsmith@franklinva.com'; 'dgoodwin@franklinva.com'; 'vfrancis@franklinva.com'; 'jwenner@gloucesterva.info'; 'carolyn.heaps@hampton.gov'; 'hwalker@hampton.gov'; 'sbond@hampton.gov'; 'tracy.hanger@hampton.gov'; 'Ben McFarlane' <u>bmcfarlane@hrpdcva.gov</u>; John Sadler jsadler@hrpdcva.gov; 'Whitney KATCHMARK' wkatchmark@hrpdcva.gov; 'amalkawi@hrsd.com'; 'jsee@hrsd.com'; Rob Case <a href="mailto:rcase@hrtpo.org">rcase@hrtpo.org</a>; 'vsmiley@hrtransit.org'; 'lgdotolo@aol.com'; 'hackett@vaems.org'; 'phumphries@isleofwightus.net'; 'wdrewery@isleofwightus.net'; 'office@townofivor.com'; 'michael.woolson@jamescitycountyva.gov'; 'ryan.ashe@jamescitycountyva.gov'; 'sara.ruch@jamescitycountyva.gov'; 'michael.teener@jamescitycountyva.gov'; 'david.luke@science.doe.gov'; 'cjohnson@jlab.org'; 'robyn.niss@kimleyhorn.com'; 'jgarrett@cityofchesapeake.net'; 'mheckler@cityofchesapeake.net'; 'eric.seymour@noaa.gov'; 'jeff.orrock@noaa.gov'; 'ruth.reich@navy.mil'; 'gglazner@nnva.gov'; 'brownhl@nnva.gov'; 'johnsonjs@nnva.gov'; 'bottlj@nnva.gov'; 'ndelvalle@nnva.gov'; 'daniel.hudson@norfolk.gov'; 'jalesha.smith@norfolk.gov'; 'james.redick@norfolk.gov'; 'kyle.spencer@norfolk.gov'; 'matthew.simons@norfolk.gov'; 'michael.goldsmith@norfolk.gov'; 'scott.mahone@norfolk.gov'; 'tristian.barnes@norfolk.gov'; 'jhoernig@odu.edu'; 'Imason@odu.edu'; 'edariah@theplanningcouncil.org'; 'KMoody@planrva.org'; 'SStewart@planrva.org'; 'john.young@poquoson-va.gov'; 'kenneth.somerset@poquoson-va.gov'; 'michael.bryant@poquoson-va.gov'; 'rubinoj@portsmouthva.gov'; 'mangubatn@portsmouthva.gov'; 'djurgens@cityofchesapeake.net'; 'mark.rath@rivhs.com'; 'leigh.morgan.chapman@gmail.com'; 'lrbush@sentara.com'; 'ahowell@smithfieldva.gov'; 'mstallings@smithfieldva.gov'; 'blewis@southamptoncounty.org'; 'llowe@southamptoncounty.org'; 'mjohnson@southamptoncounty.org'; 'bspicer@suffolkva.us'; 'rstephens@suffolkva.us'; 'rphelps@surrycountyva.gov'; 'longp@tncc.edu'; 'debbie.coon@townebank.net'; 'debbie.wright@townebank.net'; 'ronnie.greene@townebank.net'; 'alex.j.gurchinoff.schlebach@usace.army.mil'; 'greggory.g.williams@usace.army.mil'; 'paul.b.moye@usace.army.mil'; 'robert.s.angrisani@usace.army.mil'; 'stephen.j.harrison@uscg.mil'; 'leighann.erdman@va.gov'; 'brian.russell@vdem.virginia.gov'; 'bruce.sterling@vdem.virginia.gov'; 'harrison.bresee@vdem.virginia.gov'; 'john.hisghman@dof.virginia.gov'; 'larry.hill@vdh.virginia.gov'; 'john.cooke@vdh.virginia.gov'; 'perla.santillan@vdh.virginia.gov'; 'anne.witt@dmme.virginia.gov'; 'gluptonsr@gmail.com'; 'dprogen@vbgov.com'; 'dtopczynski@vbgov.com'; 'marajones@vbgov.com'; 'drspach@vbgov.com'; 'wmcnamar@vbgov.com'; 'pscully@vbgov.com'; 'mason@vims.edu'; 'jkibler@southernco.com'; 'bezell@odu.edu'; 'klawsure@odu.edu'; 'ross.weaver@wetlandswatch.org'; 'jmkaste@wm.edu'; 'katowner@wm.edu'; 'deagle@williamsburgva.gov'; 'lsnyder@williamsburgva.gov'; 'wsaunders@windsor-va.gov'; 'aparker@yorkcounty.gov'; 'whittgl@yorkcounty.gov'; 'henkel@yorkcounty.gov'; 'segerbls@yorkcounty.gov'; 'kopczyns@yorkcounty.gov'; 'susan.kassel@yorkcounty.gov'; Ben McFarlane <u>bmcfarlane@hrpdcva.gov</u>; Cynthia Mulkey <u>cmulkey@hrpdcva.gov</u>; Keith Cannady<u>kcannady@hrpdcva.gov</u>; Krista Lauro <u>Klauro@hrpdcva.gov</u>; Riana Rich <u>rrich@hrpdcva.gov</u>; Whitney Katchmark <u>wkatchmark@hrpdcva.gov</u>; 'Botts, Linda' <u>linda.botts@dss.virginia.gov</u>; 'Burket, Bill' <u>bburket@portofvirginia.com</u>; 'Calambro, Daina' <u>Daina.Calambro@vsp.virginia.gov</u>; 'Davis, Wayne' <u>wavne.davis@hampton.gov</u>; 'Hall, Terry' <u>hallt@vorkcountv.gov</u>; 'Jones, Daniel' <u>jonesd@portsmouthva.gov</u>; Malloy, Carolyn <u>cmallov@vaems.org</u>; 'Mooney, Robert ' <u>robert.mooney@hq.dhs.gov</u>; 'NOAA' <u>akq.meetings@noaa.gov</u>; 'Turner, Chip' <u>chip.turner@vsp.virginia.gov</u>; 'Brown, Curtis' <u>curtis.brown@vdem.virginia.gov</u>; Bruce, Chris <u>chris.bruce@vdem.virginia.gov</u>; Evans, Allen <u>chief100@outlook.com</u>; 'Foley, Lisa' <u>lisa.folev@vdem.virginia.gov</u>; 'Gabriel, George' <u>GGabriel@WBBINC.COM</u>; 'Gelormine, Bobby' <u>argelormine@citvofchesapeake.net</u>; 'King, Jack' <u>jack.king@vdem.virginia.gov</u>; 'Lee, Cheryl ' <u>cheryl.lee@vdem.virginia.gov</u>; 'Simpson, Cheryl' <u>csimpson@endependence.org</u>; 'Sutton, Erin' <u>erin.sutton@vdem.virginia.gov</u>; 'Simpson, Cheryl' <u>csimpson@endependence.org</u>; 'Sutton, Erin'

#### John Sadler

Regional Emergency Management Administrator Hampton Roads Planning District Commission 723 Woodlake Drive Chesapeake, VA 23320 Phone: 757-420-8300 Cell: 757-724-4636



All email correspondence to and from this address is subject to the Virginia Freedom of Information Act and to the Virginia Public Records Act, which may result in monitoring and disclosure to third parties, including law enforcement.

#### Leigh.morgan.chapman@gmail.com

From:	John Sadler <jsadler@hrpdcva.gov></jsadler@hrpdcva.gov>
Sent:	Wednesday, November 3, 2021 10:11 AM
Subject:	Hazard Mitigation Plan Workshop 3 and Office Hours

Flag Status: Flagged

Hampton Roads Hazard Mitigation Plan Update Stakeholders,

The last set of meetings on the Hampton Roads Hazard Mitigation Plan 2022 Update will take place beginning Tuesday, November 9 with a short virtual Zoom meeting to go over mitigation action planning in general terms, and to discuss regional mitigation actions. We will follow up with a series of in-person "office hours" with Leigh to finalize each community's mitigation actions. We feel that this is a COVID-safe and efficient way to execute the necessary meetings and give you all some one-on-one time with our consultant. Please plan for your community's delegation to wear masks and social distance at these in person meetings. Stakeholders, you are welcome to attend office hours as much or as little as you would like to provide input regarding individual community mitigation actions. CRS communities are reminded that they need to send at least 2 people to the Zoom meeting <u>and</u> to your selected office hours slot. If you absolutely cannot make any of the office hours slots work, please let Leigh know and we'll work out a solution.

#### Tuesday, November 9 – 1:00pm – Workshop #3 Zoom meeting

Register in advance for this meeting: <u>https://us02web.zoom.us/meeting/register/tZEtf-6vpispGtUXu2KuHMz2Z7WEPSwANg6I</u> After registering, you will receive a confirmation email containing information about joining the meeting.

#### November 16, 19 and 30 - 8:00 to 4:00 - Office Hours with Leigh Chapman

Please follow this link to sign up for your community's desired time slot and location: <u>https://docs.google.com/spreadsheets/d/1xnU1aNmZBecLF1i1m3pRCmQ7ENTxR30WSXLfWpPwDGs/edit7usp</u> =sharing

11/16 - Hampton EOC/Fire Station 11, 1304 Big Bethel Road, Hampton

11/19 - Isle of Wight County Board of Supervisors Board Room, County Courthouse Complex on Route 258

11/30 - Hampton Roads Planning District Commission Boardroom, 723 Woodlake Drive, Chesapeake

John Sadler Regional Emergency Management Administrator Hampton Roads Planning District Commission 723 Woodlake Drive Chesapeake, VA 23320 Phone: 757-420-8300 Cell: 757-724-4636



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#### Leigh.morgan.chapman@gmail.com

From:	John Sadler <jsadler@hrpdcva.gov></jsadler@hrpdcva.gov>
Sent:	Monday, November 8, 2021 11:57 AM
To:	John Sadler
Subject:	RE: Hazard Mitigation Plan Workshop 3 and Office Hours

#### All,

Just a reminder about the hazard mitigation plan workshop tomorrow and subsequent office hours. Registration links are in the below email.

Also, we are still short of meeting our match for the grant. Please document time spent working on the plan at this link: <u>https://docs.google.com/forms/d/e/1FAlpQLSf-e56e0mCFtfrpMh6GA4DjDDBCleduxOzMF0T3j5r446\_TzQ/viewform</u>

Regards, John

From: John SadlerSent: Wednesday, November 3, 2021 10:11 AMSubject: Hazard Mitigation Plan Workshop 3 and Office Hours

Hampton Roads Hazard Mitigation Plan Update Stakeholders,

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11/16 – Hampton EOC/Fire Station 11, 1304 Big Bethel Road, Hampton

11/19 – Isle of Wight County Board of Supervisors Board Room, County Courthouse Complex on Route 258

11/30 – Hampton Roads Planning District Commission Boardroom, 723 Woodlake Drive, Chesapeake

John Sadler Regional Emergency Management Administrator

# Hampton Roads Hazard Mitigation Plan Update

## **Public Meeting #3 Minutes**

March 2, 2022, 6pm – Webinar via Zoom

#### AGENDA

- Introductions
- Planning Process Review
- HIRA Highlights
- Review of Goal-Setting and Capability Assessment
- Types of Mitigation Strategies
- Impacts on Socially Vulnerable Populations
- Mitigation Action Plan Highlights
  - Regional Actions
  - o Actions in Communities of Meeting Participants
  - Other Relevant Mitigation Actions
- Next Steps and Schedule

#### MEETING NOTES

- Meeting participants were given ample time to ask questions
- Table of Contents for Adobe formatted document was discussed
- Virginia Beach resident asked about Citizen Flood Protection Board
- Norfolk resident asked about Harbor's Edge and Riverwalk buildings in downtown
- Virginia Beach resident asked about the City's outreach efforts specifically
- Citizen asked how the is incorporated into future planning and development efforts; Ms. Chapman outlined several methods of ensuring plan implementation with regard to other community efforts related to mitigation
- ODU Risk Communication specialists offered assistance and guidance

## ATTENDEES

Host: John Sadler, HRPDC; Leigh Chapman, Salter's Creek Consulting, Inc., Noelle Slater, AECOM

## Attendees:

First Name	Last Name	Community
Robert	Anderson	
Tristian	Barnes	Norfolk
Nancy	Beach	
Lynne	Boucher	
LAWRENCE	BROWN	
Heather	Brown	Va Dept of Health
Carolyn	Сох	
DIANE	DAVIDSON	
Stephen	Davis	Portsmouth
Theresa	Edwards	

Bill	Facuton	American Ded Crees
	Egerton Elezovic	American Red Cross
Ana Barn <i>i</i>	Ezell	Chesapeake ODU VMASC
Barry		
Vernie	Francis III	Franklin
Bobby	Gelormine	Chesapeake
George	Glazner	Newport News
Olga	Gonzalez Nichols	
Kathie S.	Green	
Ron	Greene	
Ellen	Griffith	
James	Haluska	Chesapeake
Anna	Hammond	Hampton
Tracy	Hanger	Hampton
Cindy	Hartman	
Greta	Hawkins	Hampton
Carolyn	Heaps	Hampton
Kent	Henkel	York County
Judy	Hinch	Chesapeake NEMAC
Christopher	Hosman	
Jim	Reddick	Norfolk
Daniel	Hudson	Norfolk
Clarice	Hughes	
Joyce	Jenkins	
William	Jennings	Virginia Beach
Sharla	Jennings	
lvy	Kennedy	Virginia Beach
Velva	L. Goodman	
Beth	Lewis	Southampton County
Roberto	Lovick	
Robin	Mabie	Hampton
Sherrill	Mason	Chesapeake
		Hampton, Buckroe Beach,
Melody	Maynard	Sierra Club
Benjamin	McFarlane	HRPDC
Don	Mertz	
Margie	Mitchell	
		Peninsula Community
Michael	Monteith	Foundation
Markiella	Moore	Chesapeake
Wonda	Morton	
Ramona	Nazareth	
Vic	Nicholls	Chesapeake
Brian	Pacansky	
Amy	Parker	York County
Gwen	Pointer	Hampton
Regan	Prince	Southampton County
Judith	Providence	

Riana	Rich	HRPDC
Jenny	Roberts-Axelrod	
Tammy	Rowan	
John	Sadler	HRPDC
Donna	Sayegh	
Sean	Segerblom	York County
Kate	Sharrow	
Matt	Simons	Norfolk
Noelle	Slater	AECOM
RAYMOND	SMITH	
Sara	Snowden	Hampton
Danielle	Spach	Virginia Beach
Kyle	Spencer	Norfolk
Michael	Teener	James City County
LYNN	VANCE	
Hui-Shan	Walker	Hampton
		ODU ICAR and Norfolk
Jessica	Whitehead	resident
Danny	Williams	
Thomas	Witt	
Adrian	Wood	
Scott	Woodruff	
Christine	Woods	
Mara	Yoko	

#### INVITEES

Email invitations were issued to each of the individuals shown on the following email invite. In addition, each primary contact for the communities forwarded the message and made additional phone calls to their staff and interested persons. The PDC and communities also advertised the meeting as shown in the news and social media clippings below.

noelle.slater@aecom.com; Parson, Shane; aubrie.mcclendon2@redcross.org; u2pilot@verizon.net; lisa.mike@redcross.org; william.egerton@redcross.org; john.millspaugh@arcadis.com; mayor@townofboykinsva.com; boykins@townofboykinsva.com; harold.futrell@vadoc.virginia.gov; kitchenswelding1@cs.com; eelliott@cityofchesapeake.net; kfinnerty@cityofchesapeake.net; lstoll@cityofchesapeake.net; mbarber@cityofchesapeake.net; phughes@cityofchesapeake.net; rbraidwood@cityofchesapeake.net; Robert Gelormine; sawan@cityofchesapeake.net; judy.hinch@cox.net; markiella@verizon.net; tammy.waldroup@cnu.edu; townclaremont@aol.com; townclaremont@aol.com; jeff.merritt@cox.com; jessie.lacks@cox.com; kyle.martin@cox.com; jruffa@craterpdc.org; satcinc53@yahoo.com; sylvia.d.white@dominionenergy.com; jshuck@vaems.org; bpierce@vaems.org; dlong@vaems.org; mplayer@vaems.org; spincus@vaems.org; mari.radford@fema.dhs.gov; renee.hupp@fema.dhs.gov; robert.c.starr2.civ@mail.mil; jhutcheson@fmauthority.com; crsmith@franklinva.com; dgoodwin@franklinva.com; vfrancis@franklinva.com; jwenner@gloucesterva.info; carolyn.heaps@hampton.gov; hwalker@hampton.gov; sbond@hampton.gov; tracy.hanger@hampton.gov; Ben McFarlane <bmcfarlane@hrpdcva.gov>; John Sadler <jsadler@hrpdcva.gov>; Whitney KATCHMARK <wkatchmark@hrpdcva.gov>; amalkawi@hrsd.com; jsee@hrsd.com; Rob Case <rcase@hrtpo.org>; vsmiley@hrtransit.org; lgdotolo@aol.com; hackett@vaems.org; phumphries@isleofwightus.net; wdrewery@isleofwightus.net; office@townofivor.com; michael.woolson@jamescitycountyva.gov; ryan.ashe@jamescitycountyva.gov; sara.ruch@jamescitycountyva.gov; michael.teener@jamescitycountyva.gov; david.luke@science.doe.gov; cjohnson@jlab.org; robyn.niss@kimley-horn.com; jgarrett@cityofchesapeake.net; mheckler@cityofchesapeake.net; eric.seymour@noaa.gov; jeff.orrock@noaa.gov; ruth.reich@navy.mil; gglazner@nnva.gov; brownhl@nnva.gov; johnsonjs@nnva.gov; bottlj@nnva.gov; ndelvalle@nnva.gov; daniel.hudson@norfolk.gov; jalesha.smith@norfolk.gov; james.redick@norfolk.gov; kyle.spencer@norfolk.gov; matthew.simons@norfolk.gov; michael.goldsmith@norfolk.gov; scott.mahone@norfolk.gov; tristian.barnes@norfolk.gov; jhoernig@odu.edu; lmason@odu.edu; edariah@theplanningcouncil.org: KMoody@planrva.org: SStewart@planrva.org: john.young@poquoson-va.gov; kenneth.somerset@poquoson-va.gov; michael.bryant@poquosonva.gov; rubinoj@portsmouthva.gov; mangubatn@portsmouthva.gov; djurgens@cityofchesapeake.net; mark.rath@rivhs.com; leigh.morgan.chapman@gmail.com; lrbush@sentara.com; ahowell@smithfieldva.gov; mstallings@smithfieldva.gov; blewis@southamptoncounty.org; llowe@southamptoncounty.org; miohnson@southamptoncounty.org; bspicer@suffolkva.us; rstephens@suffolkva.us; rphelps@surrycountyva.gov; longp@tncc.edu; debbie.coon@townebank.net; debbie.wright@townebank.net; ronnie.greene@townebank.net; alex, j.gurchinoff.schlebach@usace.army.mil; greggory.g.williams@usace.army.mil; paul.b.moye@usace.army.mil; robert.s.angrisani@usace.army.mil; stephen.j.harrison@uscg.mil; leighann.erdman@va.gov; brian.russell@vdem.virginia.gov; chris.bruce@vdem.virginia.gov; harrison.bresee@vdem.virginia.gov; john.hisghman@dof.virginia.gov; larry.hill@vdh.virginia.gov; john.cooke@vdh.virginia.gov; perla.santillan@vdh.virginia.gov; anne.witt@dmme.virginia.gov; gluptonsr@gmail.com; dprogen@vbgov.com; dtopczynski@vbgov.com; marajones@vbgov.com; drspach@vbgov.com; wmcnamar@vbgov.com; pscully@vbgov.com; mason@vims.edu; jkibler@southernco.com; bezell@odu.edu; klawsure@odu.edu; ross.weaver@wetlandswatch.org; jmkaste@wm.edu; katowner@wm.edu; deagle@williamsburgva.gov; lsnyder@williamsburgva.gov; wsaunders@windsor-va.gov; aparker@yorkcounty.gov; whittgl@yorkcounty.gov;

henkel@yorkcounty.gov; segerbls@yorkcounty.gov; kopczyns@yorkcounty.gov; susan.kassel@yorkcounty.gov; boykins@townofboykinsva.com; townofcourtland@verizon.net; office@townofivor.com; vanclockandwatch@gmail.com; Anderson, Lisa anderson@vdem.virginia.gov>; Evans, Allen <chief100@outlook.com>; Gabriel, George <GGabriel@WBBINC.COM>; Gelormine, Bobby <argelormine@cityofchesapeake.net>; King, Jack <jack.king@vdem.virginia.gov>; Lee, Catherine <catherine.lee@vdem.virginia.gov>; Lee, Cheryl <cheryl.lee@vdem.virginia.gov>; Neal, Stacie <stacie.neal@vdem.virginia.gov>; Northon, John <john.northon@vdem.virginia.gov>; Simpson, Cheryl <csimpson@endependence.org>; Sterling, Bruce <Bruce.Sterling@vdem.virginia.gov>; Sutton, Erin <erin.sutton@vdem.virginia.gov>; Botts, Linda da.botts@dss.virginia.gov>; Burket, Bill <burket@portofvirginia.com>; Calambro, Daina <Daina.Calambro@vsp.virginia.gov>; Davis, Wayne <wayne.davis@hampton.gov>; Hall, Terry <hallt@yorkcounty.gov>; Jones, Daniel <jonesd@portsmouthva.gov>; Malloy, Carolyn <cmalloy@vaems.org>; Mooney, Robert <robert.mooney@hq.dhs.gov>; NOAA <akq.meetings@noaa.gov>; Turner, Chip <chip.turner@vsp.virginia.gov>; Davis, Stephen <daviss@portsmouthva.gov>; Francis, Vernie <vwfrancisjr@shso.org>; Cynthia Mulkey <cmulkey@hrpdcva.gov>; John Sadler <jsadler@hrpdcva.gov>; Keith Cannady <kcannady@hrpdcva.gov>; Krista Lauro <Klauro@hrpdcva.gov>; Riana Rich <rrich@hrpdcva.gov>; Whitney Katchmark <wkatchmark@hrpdcva.gov>; Arena, Maria <Maria.Arena@fema.dhs.gov>; Aronen, Christopher <christopher.aronen@fema.dhs.gov>; Bilder, Michael <michael.bilder@fema.dhs.gov>; Brewer, Daniel <daniel.brewer@fema.dhs.gov>; Crosby, Craig <Craig.Crosby2@fema.dhs.gov>; Leon, Lorenzo <lorenzo.leon@fema.dhs.gov>; Lomento, Judith <judith.lomento@fema.dhs.gov>; O'Hanlon, Mark <mark.ohanlon@fema.dhs.gov>; Tierney, Mary Ann <maryann.tierney@fema.dhs.gov>; Wolslayer, Kelly <Kelly.Wolslayer@fema.dhs.gov>

#### Leigh.morgan.chapman@gmail.com

 From:
 John Sadler <jsadler@hrpdcva.gov>

 Sent:
 Thursday, February 24, 2022 11:00 AM

 Subject:
 RE: HR Hazard Mitigation Plan Public Review and Meeting

AII,

Just a reminder about the public meeting next week (March 2, 2022 at 6:00pm). If you have not already done so, please upload your advertisement documentation to the teams site.

Thanks,

John

From: John Sadler Sent: Tuesday, February 8, 2022 12:09 PM Subject: HR Hazard Mitigation Plan Public Review and Meeting Importance: High

AHAC and Hampton Roads HMP Update Stakeholders,

The draft 2022 HR Hazard Mitigation Plan has been posted to the HRPDC website for public review: <a href="https://www.hrpdcva.gov/departments/emergency-management/2022-hampton-roads-hazard-mitigation-plan">https://www.hrpdcva.gov/departments/emergency-management/2022-hampton-roads-hazard-mitigation-plan</a>

We will be holding our final public meeting on March 2, 2022 at 6:00pm virtually via zoom. Registration is required at <a href="https://us02web.zoom.us/meeting/register/tZApdOigpzwrE9bQqArTY8w80kdYh1YjO4v0">https://us02web.zoom.us/meeting/register/tZApdOigpzwrE9bQqArTY8w80kdYh1YjO4v0</a>.

Please ensure the following actions are taken within your locality:

- 1. Publicly advertise the public meeting and that the plan is available for review through March 9 (flyer is attached)
- 2. Ensure appropriate staff are registered and will attend the public meeting.
- 3. Document and upload public advertising to the Teams/SharePoint Site
- 4. Document time spent on the plan here: <u>https://forms.gle/mdP8b1QvkkT8vdV29</u>

Regards,

John Sadler Regional Emergency Management Administrator Hampton Roads Planning District Commission 723 Woodlake Drive Chesapeake, VA 23320 Phone: 757-420-8300

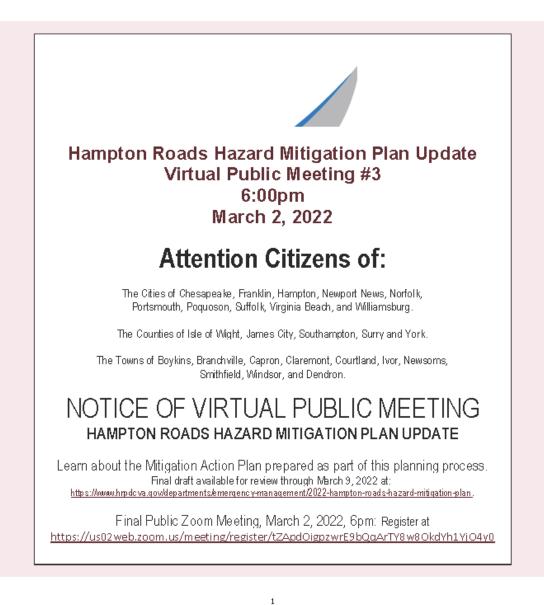


All email correspondence to and from this address is subject to the Virginia Freedom of Information Act and to the Virginia Public Records Act, which may result in manitaring and disclosure to third parties, including

#### John Sadler

From:

Sent: To: Subject: HRPDC <news@hrpdcva.ccsend.com> on behalf of HRPDC <em+hrpdcva.gov@ccsend.com> Tuesday, February 8, 2022 1:01 PM John Sadler Join us for our Third Public Zoom Meeting-DRAFT Plan Available for Public Review and Comment



For More Information Visit. <u>https://www.hrpdcva.gov/departments/emergency-management/2022-hampton-roadshazard-mitigation-plan</u> Or Contact: HRPDC Emergency Management Department (757) 420-8300

The HRPDC will strive to provide reasonable accommodations and services for persons who require special assistance to participate in this public involvement opportunity. Contact John Sadler, Regional Emergency Management Administrator, at (757) 420-8300 for more information.

HRPDC | 723 Woodlake Drive, Chesapeake, VA 23320

<u>Unsubscribe isadler@hrpdcva.gov</u> <u>Update Profile | Constant Contact Data Notiœ</u> Sent by em@hrpdcva.gov powered by





## City of Chesapeake Government 🥩

Published by Jane Castellow 🕐 · Yesterday at 4:51 PM · 🔇

The Hampton Roads Planning District Commission (HRPDC) is hosting a third virtual public meeting on Wednesday, March 2, at 6:00 p.m. to provide updates on the Hampton Roads Hazard Mitigation Plan. Sign up to attend: https://bit.ly/3sZDryV. To view the final draft of the Hampton Roads Hazard Mitigation Plan, visit https://bit.ly/3xwzQJU.



The Cities of Chesapeake, Franklin, Hampton, Newport News, Norfolk, Portsmouth, Poquoson, Suffolk, Virginia Beach, and Williamsburg.

The Counties of Isle of Wight, James City, Southampton, Surry and York.

The Towns of Boykins, Branchville, Capron, Claremont, Courtland, Ivor, Newsoms, Smithfield, Windsor, and Dendron.

## NOTICE OF VIRTUAL PUBLIC MEETING HAMPTON ROADS HAZARD MITIGATION PLAN UPDATE

Learn about the Mitigation Action Plan prepared as part of this planning process. Final draft available for review through March 9, 2022 at:

https://www.hrpdcva.gov/departments/emergency-management/2022-hampton-roads-hazard-mitigation-plan.

FINAL PUBLIC ZOOM MEETING, MARCH 2, 2022, 6PM: REGISTER AT https://us02web.zoom.us/meeting/register/tZApdOigpzwrE9bQqArTY8w80kdYh1YjO4y0

For More Information Visit: <u>https://www.hrpdcva.gov/departments/emergency-management/2022-hampton-roads-hazard-mitigation-plan</u> Or Contact: HRPDC Emergency Management Department (757) 420-8300

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## City of Chesapeake

Public Communications Coordinator Jane Gregorski • 1 day ago

 In the Cities of Chesapeake, Franklin, Hampton, Newport News, Norfolk, Portsmouth, Poquoson, Suffolk, Virginia Beach, and Williamsburg.

 Inte Counties of Isle of Wight, James City, Southampton, Surry and York.

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 https://us02.web.zoom.us/meeting/register/tZApdOigpzwrE9bQqArTY8w80kdYh1YjO4y0

 Por More Information Visit: <a href="https://www.hrpdcva.gov/departments/emergency-management/2022-hampton-roads-hazard-mitigation-plan.com">https://www.hrpdcva.gov/departments/emergency-management/2022-hampton-roads-hazard-mitigation-plan.

Virtual Public Meeting: Hampton Roads Hazard Mitigation Plan. The Hampton Roads Planning District Commission (HRPDC) is hosting a third virtual public meeting on Wednesday, March 2, at 6:00 p.m. to provide updates on the Hampton Roads Hazard Mitigation Plan. Sign up to attend: https://bit.ly/3sZDryV. To view the final draft of the Hampton Roads Hazard Mitigation Plan, visit https://bit.ly/3xwzQJU.

Welcome! You are invited to join a meeting: Public Meeting #3 ...

us02web.zoom.us

Posted to Subscribers of City of Chesapeake

1 · 1,563 Impressions

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## City of Chesapeake 🤣 @AboutChesapeake · Feb 23

The Hampton Roads Planning District Commission is hosting a virtual public meeting on March 2 at 6 p.m. to provide updates on the Hampton Roads Hazard Mitigation Plan. Sign up to attend: <a href="https://distribution.org">bit.ly/3sZDryV</a>. View the final draft of the plan: <a href="https://distribution.org">bit.ly/3xwzQJU</a>.



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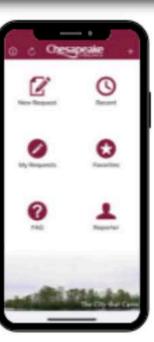
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## Section 24 At Your Fingertips

Personal and Business Property Tax Assessments

## DMV Select

- Bulk Trash and Recycling
- \*Suspended until Further Notice
- Real Estate Assessments
- <u>City Council</u>
- <u>City Council Meeting Agendas & Video</u>
- Planning Commission
- Budget

Spotlight	Newsroom	Calendar	Notices	Roads

**Elbow Rd Project Information Meeting:** A public meeting for the upcoming Elbow Rd Widening Phase II and the Elbow Rd Bridge Replacement projects will take place on Thursday, February 24 from 4:30 – 6:30 p.m. at the Central Library large meeting room. You can also attend virtually at any time online. Comments will be accepted until March 10, 2022. For information and virtual meeting comments on each project: <u>Bridge Replacement</u> and <u>Widening Phase II</u>.

**Virtual Public Meeting**: The Hampton Roads Planning District Commission is hosting a virtual public meeting on Wednesday, March 2, at 6:00 p.m. to provide updates on the <u>Hampton Roads Hazard Mitigation Plan</u>. <u>Sign up online</u> to attend.

## News & Announcements

## Hampton Roads Hazard Mitigation Plan

## February 24, 2022

For more information on the hazard mitigation public meeting, please see the attached flyer. Read more Read More



## Spring Fest Vendor Application

February 11, 2022 The City of Franklin is thrilled to announce the first annual Spring Fest! We plan to kick off the spring season with a new event, and Spring Fest is officially set for Saturday, April 23, 2022! Please find more information and the link to the... Read More

## Rent Relief Program Flyer

August 6, 2021 For more information on the Rent Relief Program please see the attached document. Read More

## Rent Relief Program Tip Sheet

August 6, 2021 For tips on applying to the Rent Relief Program please see the attached document. Read More

## Hazard Mitigation Flyer

July 14, 2021 For more information on the Hazard Mitigation public meeting please see the attached flyer. Read More

## 2020 Real Estate Delinquent Tax Report

June 23, 2021 Please see the attached report for public information regarding the delinquent taxes for the year 2020. Read More



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Hampton

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July 29, 20 Attentior

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July 13, 20 For more documen

2020 June 23, 2 Please se property



## John Sadler

From:	Walker, Hui-Shan <hui-shan.walker@hampton.gov></hui-shan.walker@hampton.gov>
Sent:	Wednesday, February 16, 2022 3:29 PM
То:	John Sadler; leigh.morgan.chapman
Cc:	McCormick, Robin
Subject:	FW: Public meeting will update region's disaster plan

#### Please see our initial advertising to the public below. I will share the public notice once it goes out. Thanks, Hui-Shan

From: City of Hampton eNews [mailto:marketing@hampton.gov]
Sent: Wednesday, February 16, 2022 2:24 PM
To: Walker, Hui-Shan <hui-shan.walker@hampton.gov>
Subject: Public meeting will update region's disaster plan

If you have a question about city services and programs, or need to report a problem, call the city's Citizen Contact Center at 3-1-1 or 727-8311.

View this email in your browser [mailchi.mp]





[hampton.us2.list-manage.com]

## **TOP NEWS**

## Virtual public meeting will update disaster plan

Officials from Hampton and other cities will host a virtual public meeting to update residents on the plan to safeguard the region against natural disasters. Registration is now being accepted for the meeting, which is



scheduled for Wednesday, March 2, at 6 p.m. Residents can <u>read the Hampton</u> <u>Roads Disaster Mitigation Plan online [hampton.us2.list-manage.com]</u> and will be encouraged to offer input. To register for the meeting, <u>click here [hampton.us2.list-manage.com]</u>. For more details on the meeting, <u>click here [hampton.us2.list-</u>

#### manage.com].

## Free program explores history and food

Fort Monroe will host a free virtual event on Friday evening that combines history and modern cooking. Chef Eric Smith, culinary director of the Richmondbased <u>Underground Kitchen program</u> [hampton.us2.list-manage.com], will kick off the second season of Fort Monroe's "Evolution of Freedom, The Food" at 6 p.m. Friday. During the program, Smith will prepare three of his signature



dishes while discussing the influence of African culture on contemporary American cuisine. Those attending the free event will be able to ask questions and learn more about Smith's background and the Underground Kitchen. To register for the virtual program, <u>click here [hampton.us2.list-manage.com]</u>.

## Printmaking class Saturday at visual arts center

The Charles H. Taylor Visual Arts Center will offer a threehour class in print-making on Saturday with instructor Eloise Shelton-Mayo. The workshop, which starts at 10:30 a.m., is open to beginners and more experienced painters and will allow them to create multiple



prints with layers of exciting color, texture and contrast with the use of acrylic paints and a gelatin plate. The class is part of an ongoing series of courses and workshops offered by instructors at the center, open to the general public but with discounts for members of the Hampton Arts League. The Charles H. Taylor Visual Arts Center is located at 4205 Victoria Blvd. For more details and to register, <u>click</u>

## In case you missed it

## Register to interview for teaching jobs

Hampton City Schools is now accepting pre-registration for a teacher recruitment fair with virtual job interviews on March 1-3. Qualified candidates will be eligible for jobs starting either immediately or in August. Starting salaries are \$49,000-\$51,600. The interviews will be done virtually from 8 a.m.-6 p.m. on each of the three days. To register for an interview, <u>click here [hampton.us2.list-manage.com]</u> or go to <u>this site [hampton.us2.list-manage.com]</u> and scan the QR code on the recruitment fair link.

## Ticket discount for ballet show Thursday at American Theatre

Hampton Arts is offering a \$10 discount on tickets to see Les Ballets Trockadero de Monte Carlo at The American Theatre on Thursday night. "The Trocks" are an all-male ballet company that combines graceful dancing with a clever wit that puts a fresh spin on "Swan Lake," "Giselle" and other favorites. The troupe is a longtime favorite at The American Theatre in Phoebus. Thursday's show begins at 8 p.m. To get discounted tickets, <u>click here [hampton.us2.list-manage.com]</u> and enter the code "TROCKS" at the purchase site.

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> Our mailing address is: City of Hampton

#### 22 Lincoln Street Hampton, Virginia 23669

#### Add us to your address book [hampton.us2.list-manage.com]

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## Ticket discount for ballet show Thursday at American Theatre

Hampton Arts is offering a \$10 discount on tickets to see Les Ballets Trockadero de Monte Carlo at The American Theatre on Thursday night. "The Trocks" are an all-male ballet company that combines graceful dancing with a clever wit that puts a fresh spin on "Swan Lake," "Giselle" and other favorites. The troupe is a longtime favorite at The American Theatre in Phoebus. Thursday's show begins at 8 p.m. To get discounted tickets, <u>click here [hampton.us2.list-manage.com]</u> and enter the code "TROCKS" at the purchase site.

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henkel@yorkcounty.gov; segerbls@yorkcounty.gov; kopczyns@yorkcounty.gov; susan.kassel@yorkcounty.gov; boykins@townofboykinsva.com; townofcourtland@verizon.net; office@townofivor.com; vanclockandwatch@gmail.com; Anderson, Lisa <GGabriel@WBBINC.COM>; Gelormine, Bobby <argelormine@cityofchesapeake.net>; King, Jack <jack.king@vdem.virginia.gov>; Lee, Catherine <catherine.lee@vdem.virginia.gov>; Lee, Cheryl <cheryl.lee@vdem.virginia.gov>; Neal, Stacie <stacie.neal@vdem.virginia.gov>; Northon, John <john.northon@vdem.virginia.gov>; Simpson, Cheryl <csimpson@endependence.org>; Sterling, Bruce <Bruce.Sterling@vdem.virginia.gov>; Sutton, Erin <erin.sutton@vdem.virginia.gov>; Botts, Linda da.botts@dss.virginia.gov>; Burket, Bill <burket@portofvirginia.com>; Calambro, Daina <Daina.Calambro@vsp.virginia.gov>; Davis, Wayne <wayne.davis@hampton.gov>; Hall, Terry <hallt@yorkcounty.gov>; Jones, Daniel <jonesd@portsmouthva.gov>; Malloy, Carolyn <cmalloy@vaems.org>; Mooney, Robert <robert.mooney@hq.dhs.gov>; NOAA <akq.meetings@noaa.gov>; Turner, Chip <chip.turner@vsp.virginia.gov>; Davis, Stephen <daviss@portsmouthva.gov>; Francis, Vernie <vwfrancisir@shso.org>; Cynthia Mulkey <cmulkey@hrpdcva.gov>; John Sadler <jsadler@hrpdcva.gov>; Keith Cannady <kcannady@hrpdcva.gov>; Krista Lauro <Klauro@hrpdcva.gov>; Riana Rich <rrich@hrpdcva.gov>; Whitney Katchmark <wkatchmark@hrpdcva.gov>; Arena, Maria <Maria.Arena@fema.dhs.gov>; Aronen, Christopher <christopher.aronen@fema.dhs.gov>; Bilder, Michael <michael.bilder@fema.dhs.gov>; Brewer, Daniel <daniel.brewer@fema.dhs.gov>; Crosby, Craig <Craig.Crosby2@fema.dhs.gov>; Leon, Lorenzo <lorenzo.leon@fema.dhs.gov>; Lomento, Judith <judith.lomento@fema.dhs.gov>; O'Hanlon, Mark <mark.ohanlon@fema.dhs.gov>; Tierney, Mary Ann <maryann.tierney@fema.dhs.gov>; Wolslayer, Kelly <Kelly.Wolslayer@fema.dhs.gov>

## John Sadler

From: Sent: Subject: Attachments:	John Sadler Tuesday, February 8, 2022 12:09 PM HR Hazard Mitigation Plan Public Review and Meeting Hampton Roads HMP Public Meeting #3 public notice.pdf; Hampton Roads HMP Public Meeting #3 public notice.docx
Importance:	High

AHAC and Hampton Roads HMP Update Stakeholders,

The draft 2022 HR Hazard Mitigation Plan has been posted to the HRPDC website for public review: <u>https://www.hrpdcva.gov/departments/emergency-management/2022-hampton-roads-hazard-mitigation-plan</u>

We will be holding our final public meeting on **March 2, 2022 at 6:00pm** virtually via zoom. Registration is required at <u>https://us02web.zoom.us/meeting/register/tZApdOigpzwrE9bQqArTY8w8OkdYh1YjO4y0</u>.

Please ensure the following actions are taken within your locality:

- 1. Publicly advertise the public meeting and that the plan is available for review through March 9 (flyer is attached)
- 2. Ensure appropriate staff are registered and will attend the public meeting.
- 3. Document and upload public advertising to the Teams/SharePoint Site
- 4. Document time spent on the plan here: <a href="https://forms.gle/mdP8b1QvkkT8ydV29">https://forms.gle/mdP8b1QvkkT8ydV29</a>

Regards,

John Sadler Regional Emergency Management Administrator Hampton Roads Planning District Commission 723 Woodlake Drive Chesapeake, VA 23320 Phone: 757-420-8300

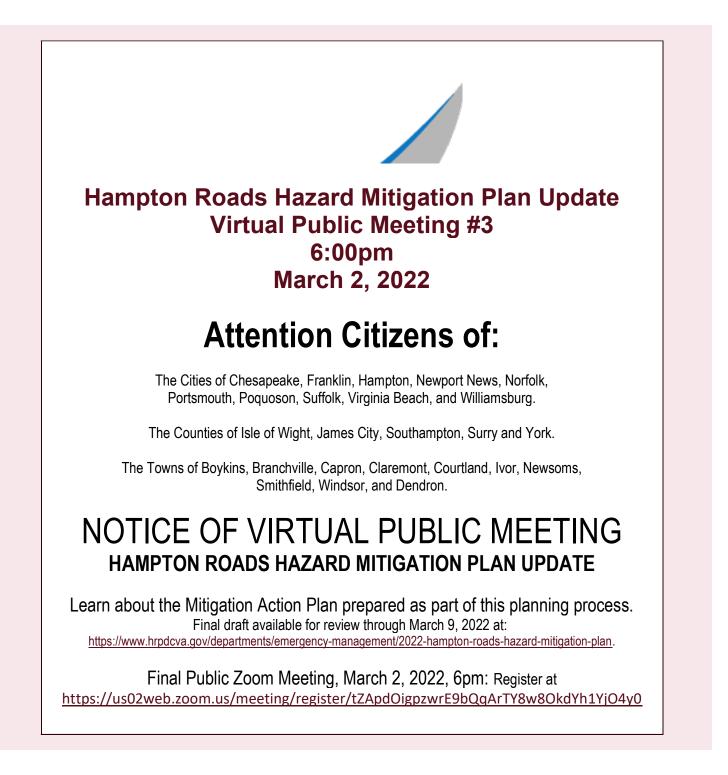


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## John Sadler

From:

Sent: To: Subject: HRPDC <news@hrpdcva.ccsend.com> on behalf of HRPDC <em+hrpdcva.gov@ccsend.com> Tuesday, February 8, 2022 1:01 PM John Sadler Join us for our Third Public Zoom Meeting-DRAFT Plan Available for Public Review and Comment



For More Information Visit: <u>https://www.hrpdcva.gov/departments/emergency-management/2022-hampton-roads-hazard-mitigation-plan</u> Or Contact: HRPDC Emergency Management Department (757) 420-8300

The HRPDC will strive to provide reasonable accommodations and services for persons who require special assistance to participate in this public involvement opportunity. Contact John Sadler, Regional Emergency Management Administrator, at (757) 420-8300 for more information.

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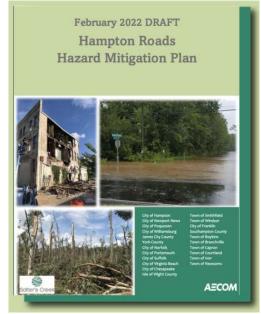
# Draft Regional Hazard Mitigation Plan Out for Review; Virtual Meeting Scheduled February 9, 2022

Hampton Roads is vulnerable to a wide range of hazards that pose threats to human safety, public and private property, the local economy, and the overall quality of life. Recognizing these vulnerabilities, regional stakeholders are in the process of updating the Hampton Roads Regional Hazard Mitigation Plan for 2022. This week the HRPDC released a draft of the updated plan for public review. The plan aims to protect our region by bolstering preparedness and lessening the potential impacts of hazards, thus increasing resiliency. This requires considering current vulnerabilities and assessing projected future patterns.

How do we address these objectives? The plan outlines specific structural measures, such as infrastructural protection, and nonstructural measures, such as floodplain management policies, land use, and public awareness, recommended for use within all localities. The general purposes of this initiative are to:

- protect life and property by reducing the potential for future damages and economic losses that result from natural hazards;
- qualify for additional grant funding, in both the pre-disaster and post-disaster environment;
- speed recovery and redevelopment following future disasters;
- integrate existing mitigation documents;
- demonstrate a firm local commitment to hazard mitigation principles; and
- comply with state and federal legislative requirements tied to local hazard mitigation planning

The adoption of these guiding principles must be and will be regularly assessed and updated in order to remain relevant and effective. A full copy of the Hazard Mitigation Plan may be found <u>here</u>. For further information or to voice any questions and/or concerns, a virtual public meeting will be held via zoom on March 2, 2022 at 6:00pm. Please use this <u>link</u> to find the meeting registration page.



# John Sadler

From: Sent: To: Subject: HRPDC and HRTPO <news+hrpdcva.gov@ccsend.com> Friday, February 11, 2022 10:04 AM John Sadler HRPDC-HRTPO E-Update February 2022





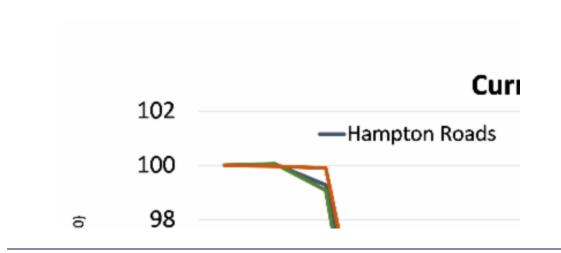




# Hampton Roads Economic Monthly What isn't the unemployment rate telling us?

Currently across the United States economy, unemployment rates are low – sometimes an indicator of a healthy economy where people who want jobs are employed and employers are equally all staffed up. But a quick glance at the headlines tells a different story, as many major employers are struggling to find workers to fill positions. With low unemployment rates and monthly jobs reports in the hundreds of thousands, what isn't this indicator telling us?

# READ MORE



# *First Hampton Roads Transit Advocacy Day at the General Assembly*

Transit stakeholders, officials, and advocates for a regional transit network in Hampton Roads met in Richmond on February 3, 2022, for the first Hampton Roads Transit Advocacy Day at the General Assembly. The Advocacy Day event was one of the first initiatives of the Regional Transit Advisory Panel (



first initiatives of the Regional Transit Advisory Panel (RTAP).

# HRTPO Establishes 2022 Regional Roadway Safety and Transit Performance Targets

Federal legislation requires Metropolitan Planning Organizations (MPOs) to prepare and use a set of federally-established performance measures and set targets. Each MPO needs to approve regional

2022 HRTPO Safety Performance Targets		
125		
0.85		
1,498		
10.19		
179		

performance targets in a number of areas including roadway safety, transit, bridge condition, pavement condition, roadway performance, and freight. The HRTPO must approve one-year regional performance targets for 2022 in three of these areas – roadway safety, transit asset management and transit safety.

# February Map of the Month – Economic Development Site Readiness in Hampton Roads

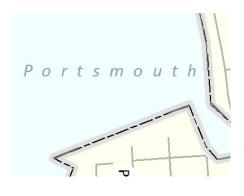
A key economic development strategy is having a portfolio of available sites ready for business expansion. Companies that intend on making new investments and expanding market opportunities prioritize sites that offer low development risk and



fast speed to market. Known as "Business Ready," these sites have land use and zoning approval, due diligence completed, and infrastructure in place.

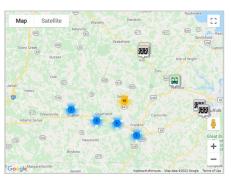
# *Project of the Month: Westhaven Bicycle Improvements-Portsmouth*

Each month, HRTPO staff will highlight a project that is currently being implemented within the Hampton Roads region. This month, staff is highlighting the Westhaven Bicycle Improvements project located in the City of Portsmouth.



# 2045 Rural Long-Range Transportation Plan Public Survey Summary

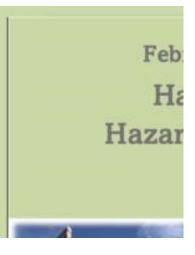
Last summer, Hampton Roads Transportation Planning Organization (HRTPO) staff, in collaboration with rural area stakeholders, began work on the 2045 Rural Long-Range Transportation Plan (RLRTP), a transportation vision plan for the



City of Franklin and Southampton County. The RLRTP is part of an ongoing statewide effort to create and maintain regional transportation plans in rural areas that complement those in Virginia's metropolitan and small urban areas.

# Draft Regional Hazard Mitigation Plan Out for Review; Virtual Meeting Scheduled

Hampton Roads is vulnerable to a wide range of hazards that pose threats to human safety, public and private property, the local economy, and the overall quality of life. Recognizing these vulnerabilities, regional stakeholders are in the process of updating the Hampton Roads Regional Hazard Mitigation Plan for 2022. This week the HRPDC released a draft of the updated plan for public review.



# HRTPO Staff Efforts Highlighted at the Annual Transportation Research Board Meeting in Washington DC



The Transportation Research Board (TRB) facilitates the sharing of information on transportation

practice and policy by researchers and practitioners. TRB's Annual Meeting, held every year in Washington DC, is a premier national conference for transportation professionals to exchange ideas, promote technical excellence, and provide expert advice on transportation policy and programs. At this year's 101<sup>st</sup> TRB Annual Meeting, HRTPO staff was invited to showcase its project prioritization process as well as ridesharing analysis.

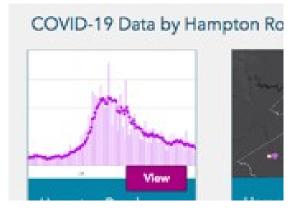
# *Save the Date for the Great American Cleanup, March 25-26*

As the COVID-19 pandemic moves into its second year, the *Hampton Roads COVID-19 Impact Planning Hub* continues to provide data and information for the region.



# Hampton Roads COVID-19 Impact Planning Hub

Visit the COVID-19 Impact Planning Hub to get the latest information on COVID-19 in Hampton Roads.



# **HRPDC/HRTPO In the News**

Hampton Roads Hazard Mitigation Plan meeting scheduled for March 2 (WAVY, February 9, 2022)

*More broadband choices on way for city* (Suffolk News Herald, January 26, 2022)

**Dozens of bills would change environmental rules in Virginia. Here's what lawmakers have proposed so far.** (Virginian-Pilot, January 20, 2022)

# **Public Comment Opportunities**

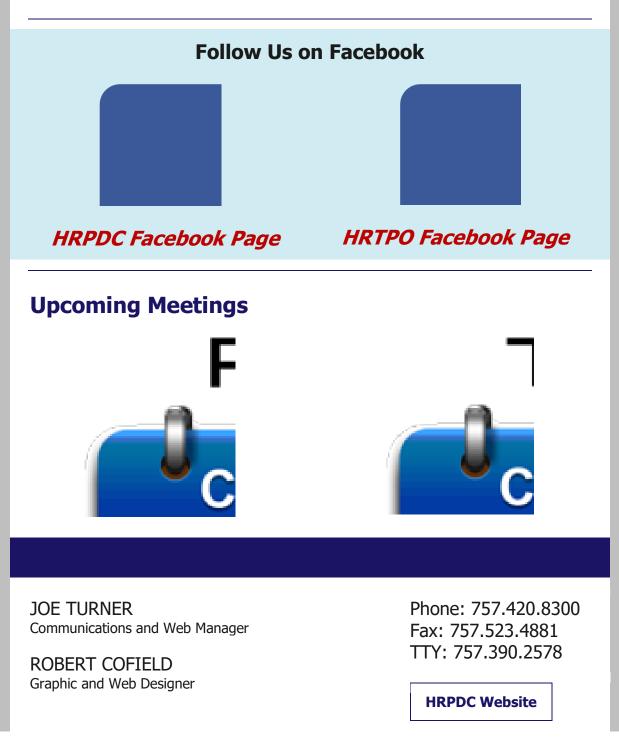
Level of Traffic Stress Analysis for the City of Hampton Draft Report (Ends February 16, 2022)

# Hampton Roads Comprehensive Economic Development Strategy (CEDS): DRAFT Report

(Ends February 28, 2022)

DRAFT 2022 Hampton Roads Hazard Mitigation Plan Public Review Draft/Virtual Public Meeting (Meeting March 2,

2022 6pm; Review Period Ends March 9, 2022



**HRTPO Website** 

**Join Mailing List** 

The Hampton Roads Planning District Commission (HRPDC) and Hampton Roads Transportation Planning Organization (HRTPO) fully comply with Title VI of the Civil Rights Act of 1964, the Civil Rights Restoration Act of 1987, Executive Order 12898 on Environmental Justice, and related nondiscrimination statutes and regulations in all programs and activities. HRPDC's website, www.hrpdcva.gov, and HRTPO's website, www.hrtpo.org, may be translated into multiple languages. Publications and other public documents can be made available in alternative languages and formats, if requested. HRPDC public meetings are always held in ADA-accessible facilities and in transit-accessible locations when possible. Auxiliary services can be provided to individuals who submit a request at least seven days prior to a meeting. Requests made within seven days will be accommodated to the greatest extent possible. Any person who believes they have been aggrieved by an unlawful discriminatory practice by HRPDC under Title VI has a right to file a formal complaint. Any such complaint may be in writing and filed with the HRPDC and/or the appropriate state or federal agency within 180 days of the alleged discriminatory occurrence. For more information on HRPDC's Title VI program, or to obtain a Title VI Complaint Form, please call (757) 420-8300 or email: rcrum@hrpdcva.gov

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## Hampton Roads, Virginia > HRPDCVA.gov



## Public Meeting #3 March 2, 2022 (Downloadable PDF) Public Notice - Attention citizens of:

The Cities of Chesapeake, Franklin, Hampton, Newport News, Norfolk,

Portsmouth, Poquoson, Suffolk, Virginia Beach, and Williamsburg.

The Counties of Isle of Wight, James City, Southampton, Surry and York.

The Towns of Boykins, Branchville, Capron, Claremont, Courtland, Ivor, Newsoms,

Smithfield, Windsor, and Dendron.

## NOTICE OF VIRTUAL PUBLIC MEETING HAMPTON ROADS HAZARD MITIGATION PLAN UPDATE

Learn about the Mitigation Action Plan prepared as part of this planning process.

Final draft available for review through March 9, 2022 at:

## https://www.hrpdcva.gov/departments/emergency-management/2022hampton-roads-hazard-mitigation-plan.

Final Public Zoom Meeting, March 2, 2022, 6pm: Register at

https://us02web.zoom.us/meeting/register/tZApdOigpzwrE9bQqArTY8w8OkdYh1

For More Information Visit: https://www.hrpdcva.gov/departments/emergencymanagement/2022-hampton-roads-hazard-mitigation-plan Or Contact: HRPDC Emergency Management Department (757) 420-8300.

The HRPDC will strive to provide reasonable accommodations and services for persons who require special assistance to participate in this public involvement opportunity. Contact John Sadler, Regional Emergency Management Administrator, at (757) 420-8300 for more information.

Public Meeting #2 July 29, 2021 Presentation

**Minutes and Attendance** 

# Campaign to Promote Behaviors to Stop the Spread of COVID-19 in the Region October 5, 2020

The 2019 Hurricane Season is Underway June 3, 2019

View All News

# Emergency Management Documents

Public Notice: HAMI<sup>II</sup>TON ROADS HAZARD MITIGATION PLAN UPDATE -Virtual Meeting March 2, 2022 February 8, 2022Public Notices

Second Virtual Public Meeting for the Hampton Roads Hazard Mitigation Plan Update

July 8, 2021Public Notices

Emergency Management Program Update February 2021 February 18, 2021Presentation

edruary 18, 2021Presentation

**View All Documents** 

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# K-5 online FLEx program to start

# **By Sierra Jenkins** Staff Writer

HAMPTON – Online learning didn't work for everyone during the pandemic, but public educators said some students thrived academically.

During the summer of 2020, Kate Maxlow began to brainstorm what would become Hampton City Schools' Future Learning Experience, also known as the FLEx program, which will launch next school year for K-5 students.

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"I know that there are lots of kids who in-person is the right thing to do for them, but there are some who truly love this virtual environment as well," said Maxlow, the director of the district's Department of Innovation and Professional Learning.

She saw it in her son, in sixth grade at the time. He liked learning at his own pace. And other parents agreed, she

said, saying there were fewer distractions at home and they could help their child get back on track more easily.

Maxlow's team finished the FLEx program in this past October. But during the 2020-21 academic year, the division's staff asked Hampton teachers who are also parents to enroll their kids in the program before Hampton would enroll other Virginia students. "That was another way that we were also looking at how can we help our staff... our teachers, especially while they were trying to teach," Kellie Goral, the division's executive director of public relations and marketing, said. Hampton schools will

enroll 108 students in its first year – 16 for kindergarten and first grade, 18 in second and third, and 20 for fourth and fifth - and hire one teacher for each grade. The division hopes to expand to other grade levels.

\$1 million in pandemic funding to support the program, Maxlow said. Most will go toward salaries, as well as instructional materials and extracurricular activities.

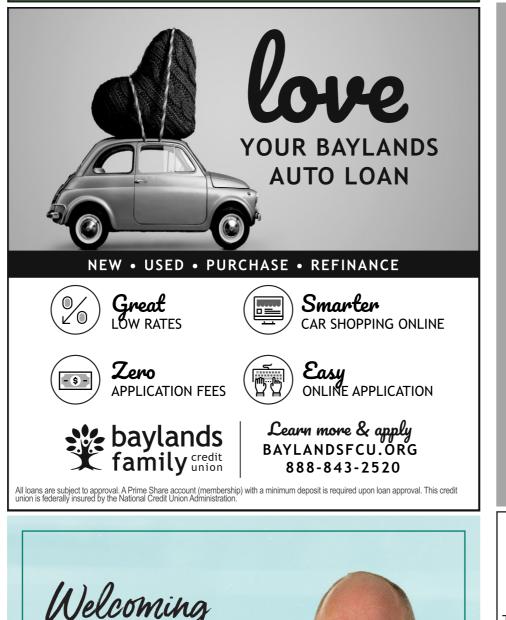
Hampton will host two informational meetings each month until the end of April, and parents must attend one session to be considered.

If the district has to switch to a lottery system due to a high number of applicants, 70% of students will be from Hampton schools, and the remaining spots can go to children from across the state.

Applications are due April 4 for teachers and May 6 for students.

Parents can also sign their child up for a sample class to see if the online experience would be a good fit. Teachers do not have to work for Hampton schools, nor do they have to live in Virginia, as long as they have a teachinglicense in the state.

The district received over





# **PUBLIC NOTICE** WILLIAMSBURG PLANNING **COMMISSION**

The Williamsburg Planning Commission will hold public hearings on

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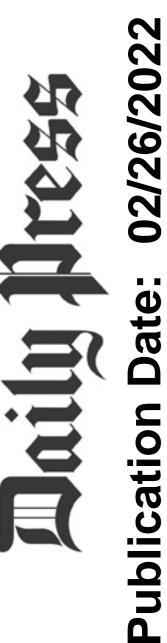
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# NEW PATIENTS

# **DR. DANIEL VALAIK**

120 Kings Way, Suite 2700 Williamsburg, VA

**Riverside welcomes** Dr. Daniel Valaik, former U.S. Navy SEAL, chairman of orthopedic surgery at Walter Reed Army Medical Center and regional chief of orthopedic surgery at Johns Hopkins.

Board-certified and fellowship-trained in orthopedic surgery, Dr. Valaik specializes in total joint replacement of the hip and knee.

> Take care of your health and schedule your appointment today.



757-534-9988 riversideonline.com/valaik

Wednesday, March 16, 2022, at 3:30 p.m. in the Council Chambers of the Stryker Center, 412 North Boundary Street, to consider the following:

A. PCR#22-001: Request for a special use permit to construct a new Tidal Wave Auto Spa at 1800 Richmond Road.

B. PCR#22-004: Request of Williamsburg-James City County Public Schools for a special use permit to continue the use of the two existing learning cottages at Matthew Whaley Elementary School through July 2026.

Additional information is available at www.williamsburgva.gov/ publicnotice or the Planning Department (757) 220-6130, 401 Lafayette Street. Interested citizens are invited to attend this hearing and present their comments to the Planning Commission.

If you are disabled and need an accommodation to participate in the public hearings, please call the Planning Department at (757) 220-6130, (TTY) 220-6108, no later than noon, Wednesday, March 16, 2022. Masks are required in all public buildings in the City of Williamsburg.

Erin Burke Interim Planning and Codes Compliance Director

# **Adopt US Kids**

I asked what kind of family Amina wanted. She said, 'A family like yours.' That's when I knew I had to adopt her.

Denise, adopted 17-year-old Amina



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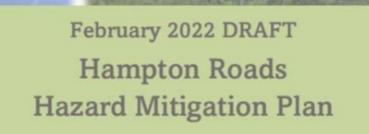
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A D O P T U S K I D S . O R G



# James City County 🥝 @JamesCityCounty - 3s

The Draft Hampton Roads Hazard Mitigation Update Plan is ready for your review. The draft is the result of a planning process to identify hazards and develop strategies to reduce loss of life and property. 1/3





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James City County 🤣 @JamesCityCounty · 3s You can find the draft plan and more information at hrpdcva.gov/departments/em.... The final draft is available for review through March 9, 2022. 2/3

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James City County 🤣 @JamesCityCounty · 2s Want to know more? Attend a virtual public meeting Monday, March 2, 2022 at 6 p.m. Register at us02web.zoom.us/meeting/regist... 3/3

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us02web.zoom.us

Welcome! You are invited to join a meeting: Public ... Welcome! You are invited to join a meeting: Public Meeting #3 - Hampton Roads Hazard Mitigation ...

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# James City County 🥝 Published by Renee Dallman 🚳 · Just now · 🚱

The Draft Hampton Roads Hazard Mitigation Update Plan is ready for review. The draft is the result of a planning process to identify hazards and develop strategies to reduce loss of life and property. You can find the draft plan and more information at

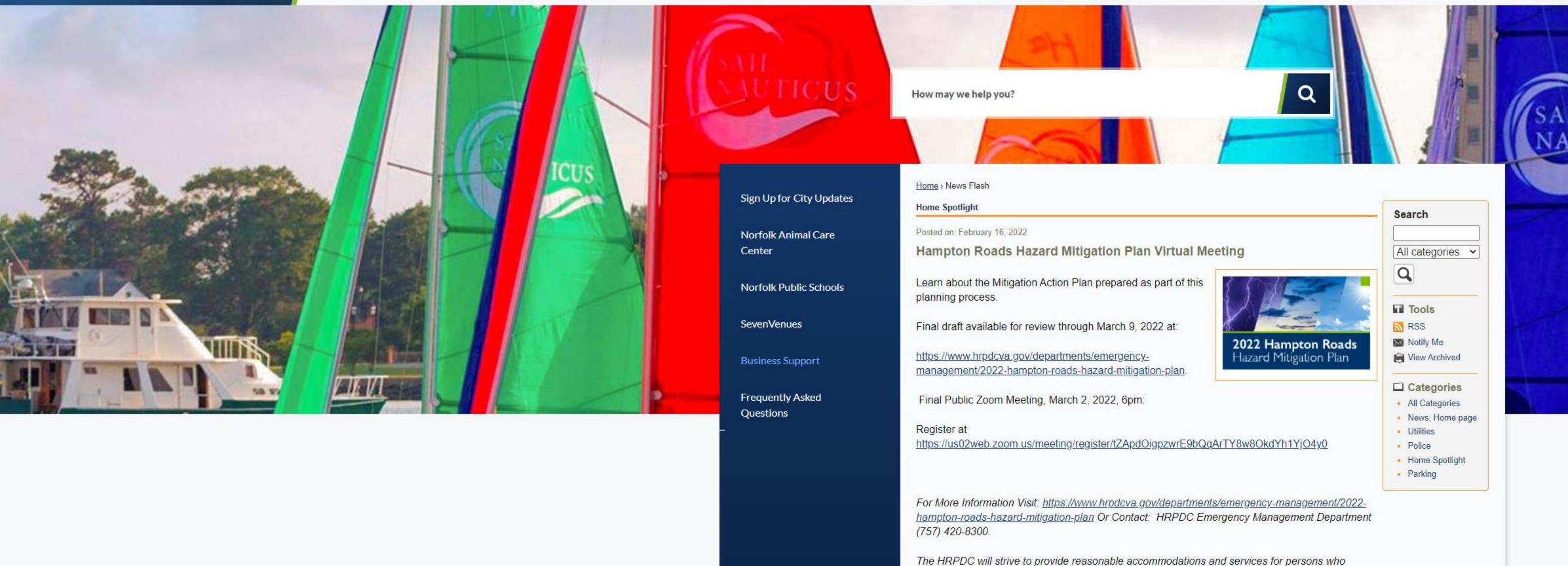
https://www.hrpdcva.gov/.../2022-hampton-roads-hazard.... The final draft is available for review through March 9, 2022.

Want to know more? Attend a virtual public meeting Monday, March 2, 2022 at 6 p.m. Register at

https://us02web.zoom.us/.../tZApdOigpzwrE9bQqArTY8w8OkdYh...

February 2022 DRAFT Hampton Roads Hazard Mitigation Plan

# NORFOLK.



# Government

# **Business**

Residents

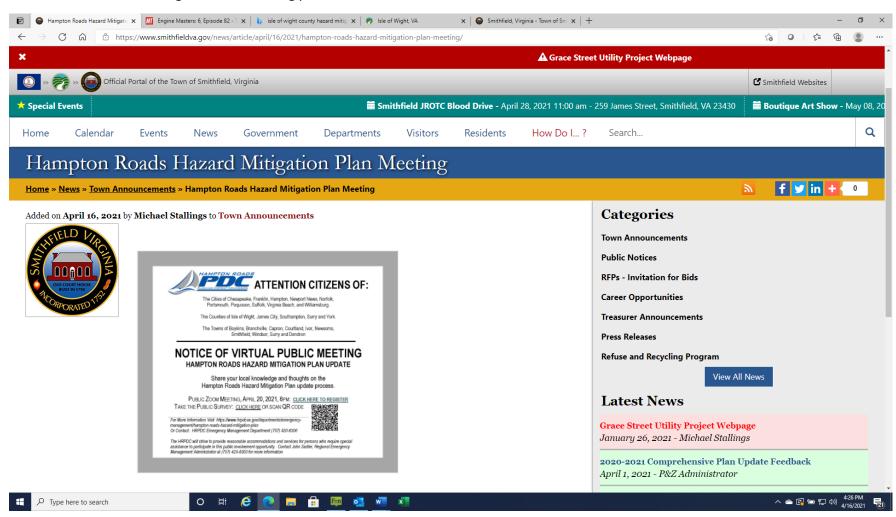
The HRPDC will strive to provide reasonable accommodations and services for persons who require special assistance to participate in this public involvement opportunity. Contact John Sadler, Regional Emergency Management Administrator, at (757) 420-8300 for more information.



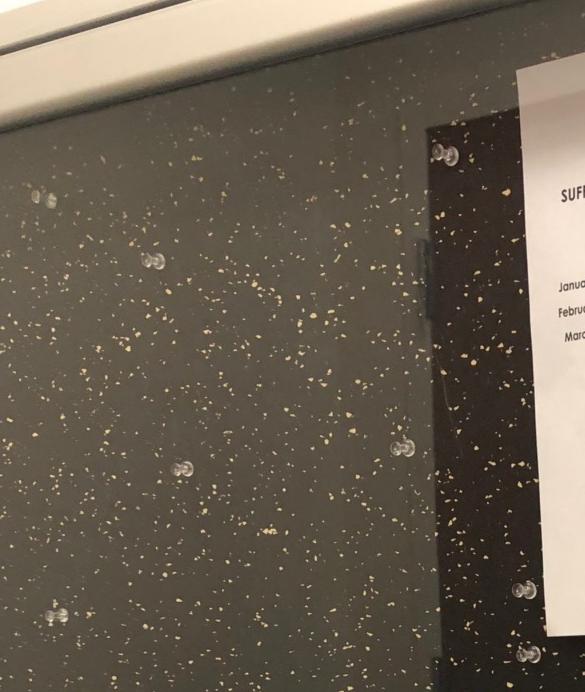


# Town of Smithfield

Public Notice of Hazard Mitigation Plan Meeting posted on Town Website.



Hampton Roads Hazard Mitigatio × +	~ − □ ×
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Section 2015 Smithfield, Virginia	C Smithfield Websites
★ Special Events	
Home Calendar Events News Government Departments Visitors Reside	nts How Do I ? Search Q
Hampton Roads Hazard Mitigation Plan Meeting	
Home » News » Town Announcements » Hampton Roads Hazard Mitigation Plan Meeting	<b>a</b>
Added on February 24, 2022 by Michael Stallings to Town Announcements <b>NOTICE OF VIRTUAL PUBLIC MEETING</b> HAMPTON ROADS HAZARD MITIGATION PLAN UPDATE Learn about the Mitigation Action Plan prepared as part of this planning process. Final draft available for review through March 9, 2022 at: https://www.hrpdcva.gov/departments/emergency-management/2022- hampton-roads-hazard-mitigation-plan. Final Public Zoom Meeting, March 2, 2022, 6pm: Register at https://us02web.zoom.us/meeting/register/tZApdOigpzwrE9bQqArTY8w8OkdYh1YjO4y0 For More Information Visit: https://www.hrpdcva.gov/departments/emergency-management/2022-	Categories Town Announcements Public Notices RFPs - Invitation for Bids Career Opportunities Treasurer Announcements Press Releases Refuse and Recycling Program
hampton-roads-hazard-mitigation-plan New Contact: HRPDC Emergency Management Department (757) 420- 8300.	View All News



PUBLIC NOTICE Meeting Calendar

SUFFOLK LOCAL EMERGENCY PLANNING COMMITTEE (LEPC) 2022 Meeting Dates

> January 26 February 23 July 27 March 30 August 31 April 27 September 28 May 25 October 26 June 29 November 30 NO DECEMBER MEETING

8:30 A.M.

LOCATION Due to the COVID-19 pandemic, meetings will be held virtually until further notice. If you wish to attend please contact Richard Stephens at <u>rstephens@suffolkva.us</u> to request information. PUBLIC NOTICE Meeting Calendar SUFFOLK CLEAN COMMUNITY COMMISSION 2022 Meeting Dates

January 24<sup>th</sup> (city Council Chambers) February 28<sup>th</sup> (city Council Chambers) March 21<sup>st</sup> (city Council Chambers) April 18<sup>th</sup> May 16<sup>th</sup> June 20<sup>th</sup>

September 19th October 17th November 21st December 19th

July 18th

August 15th

6:00 P.M.

LOCATION Council Chambers Conference Room (except when noted next to date) City Hall 442 West Washington Suffolk, VA 23434

> Litter Control Coordinator littercontrol@suffolkva.us



ATTENTION CITIZENS OF: TRANSPORT States, Farskin, Hampton, Konsont Newsort, North Parancose, Poposon, Suriak, Vagnan Baach, and Williamsburg The Caustas of the of Wags, James City, Sudhampton, Surry and You. The Source of Bogsing, Branchalle, Capron, Capemond, Courliand, Nor. Newsorts, Smitheling, Wieddoor, and Denning.

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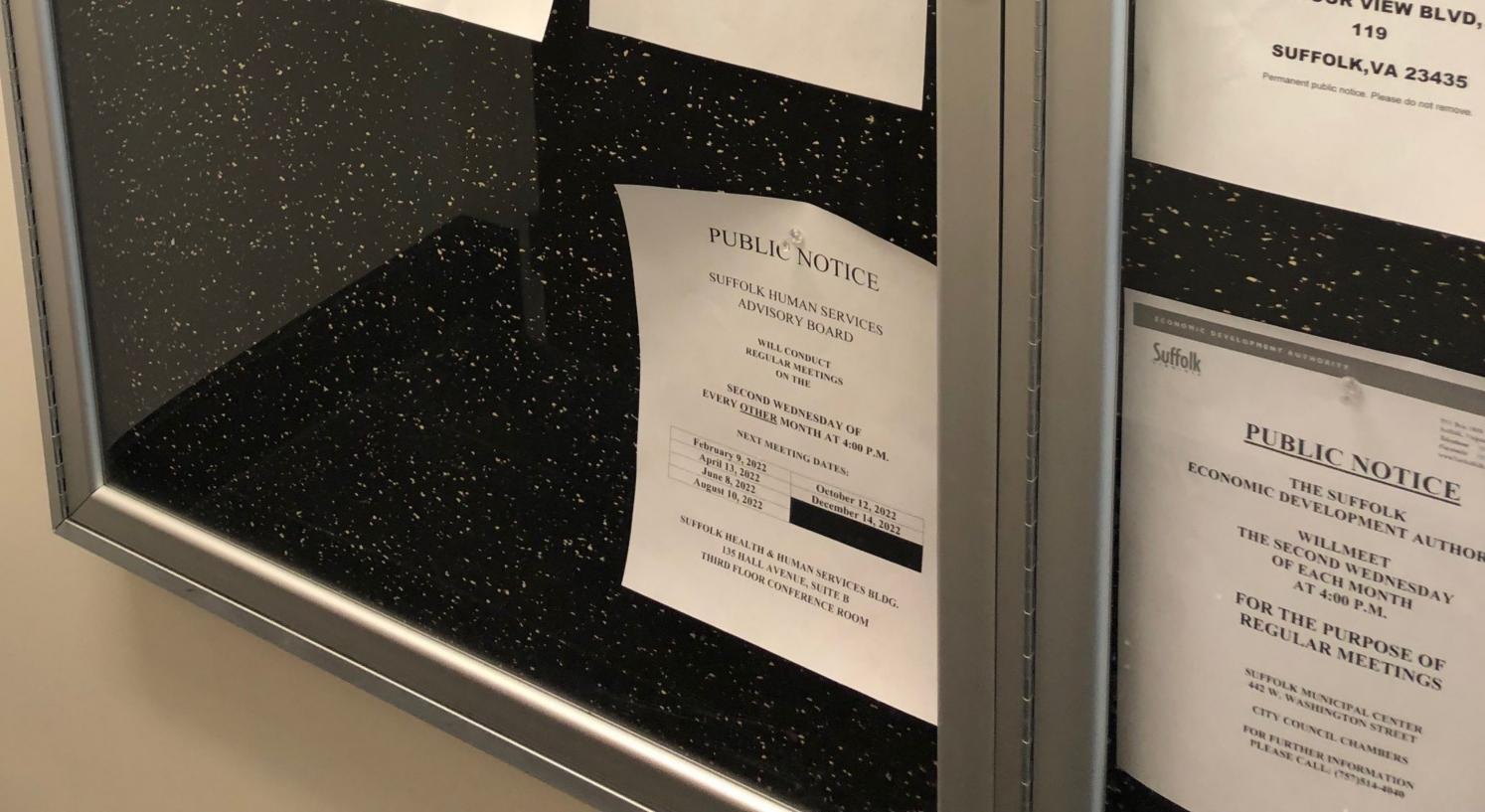
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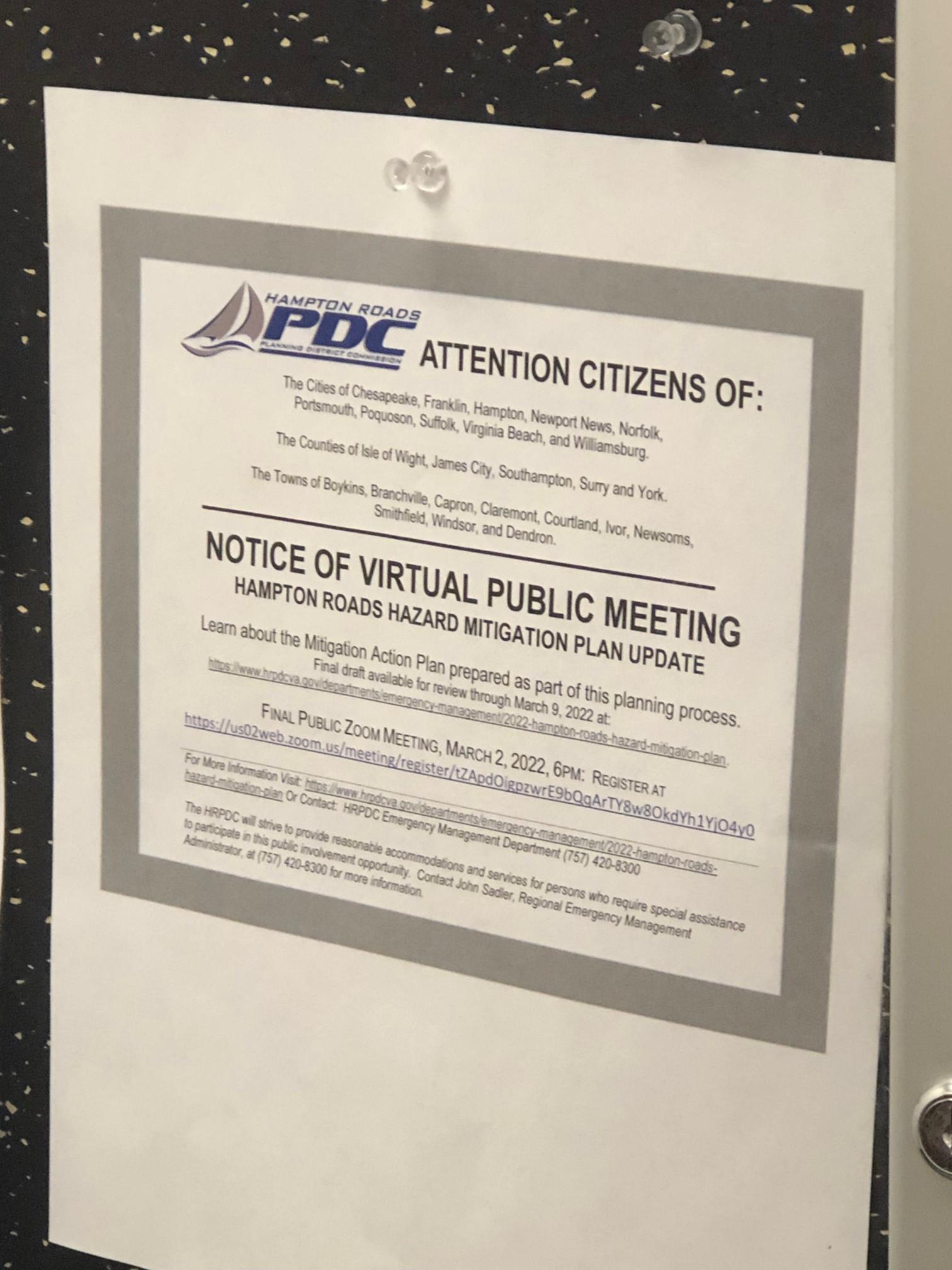
Permanent Public Notice. Please do not



# PUBLIC NOTIC

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VB > News Center > Join Virtual Public Meeting for Hampton Roads Hazard Mitigation Plan Update on March 2

# NEWS CENTER

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News Article List

# Join Virtual Public Meeting for Hampton Roads Hazard Mitigation Plan Update on March

Tuesday, February 08, 2022

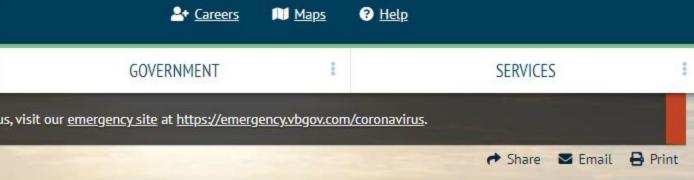
The third public meeting for the 2022 Hampton Roads Hazard Mitigation Plan will take place at 6 p.m. on Wednesday, March 2 online via Zoom. Residents will have an opportunity to learn about the region's Mitigation Action Plan and comment on the final draft of the plan. The commenting period will remain open through March 9.

The Hampton Roads Hazard Mitigation Plan is developed and maintained by the Hampton Roads Planning District Commission (HRPDC) with input from City stakeholders. It identifies natural threats that the City of Virginia Beach is vulnerable to such as flooding and tropical storms. Mitigation actions within the Hampton Roads Hazard Mitigation Plan serve as a tenet of the City's strategy to limit the likelihood of damage from these threats.

# **Register for the Meeting**

Members of the public can register to participate in the public meeting by visiting https://us02web.zoom.us/meeting/register/tZApdOigpzwrE9bOgArTY8w8OkdYh1YjO4y0

To view the final draft of the 2022 Hampton Roads Hazard Mitigation Plan and instructions on providing comments, visit www.hrpdcva.gov.



CONTACT INFORMATION	
Danielle Spach	
J ( <u>757) 385-8585</u>	
DRSpach@vbgov.com	

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	Start 🗰
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14 at the Municipal Center Registration & Elections located in H

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# Hampton Roads Planning Commission Release Draft of 2022 Hazard Mitigation Plan

By Ben Mackin February 17, 2022

**n** 0



The Hampton Roads Planning District Commission has released the draft of the draft of the Hampton Roads Hazard Mitigation Plan. (WYDaily file photo)

HAMPTON ROADS – The Hampton Roads Planning District Commission (HRPDC), which is the regional organization which works to facilitate local government cooperation, has released a draft of its 2022 Hazard Mitigation Plan.

The plan, which is updated every five years, provides guidance and strategies for managing the various potential disasters that impact Hampton Roads throughout the year, including hurricanes, flooding, and sea level rise.

The main objective laid out by the HRPDC is to save lives and property in the event that hazard mitigation plans need to be implemented during a natural disaster. It also provides a detailed analysis on each locality within Hampton Roads such as population, density, history of past disasters and how those have impacted each community.

The process for collecting the data from the 25 participating jurisdictions, including the City of Williamsburg as well as James City and York counties, began in February

4 pages left Sign In Subscribe

citizens as well as assessing any risks that might impact the region.

The draft of the mitigation plan is currently 576 pages long and goes into detail on the statistical likelihood of every possible natural disaster that might hit southeastern Virginia and how it would effect each specific locality.

The draft will be available on the HRPDC website until March 9. The commission will also accept public comment on the plan until it is taken down for revision.

The HRPC will host an informational zoom meeting for citizens on March 2 at 6 p.m. Those who wish to attend should register by clicking here.

To finalize the plan, government agencies such as the Federal Emergency Management Agency and the Virginia Department of Emergency Management, as well as all of the localities involved will have to approve the plan before it is finalized.

Always be informed. Click here to get the latest news and information delivered to your inbox

County Administrator Neil A. Morgan



Assistant County Administrator Brian P. Fuller

February 8, 2022

Hampton Roads Planning District Commission 723 Woodlake Drive Chesapeake, Virginia 23320

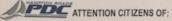
To Whom It May Concern:

On February 8, 2022, the flyer concerning the public's ability to participate in the Hampton Roads Hazard Mitigation Plan update was posted in the County Administration building located at 224 Ballard Street, Yorktown.

If I can be of any further assistance to you, please do not hesitate to contact me.

Sincerely, Heather L. Schott, CMC

Legislative Assistant/Deputy Clerk



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The Counties of Me of High: James City, Southempton, Surry and York.

The Town of Boylow, Branchelle, Capron, Classenort, Courtant, Inor, Newsonia, Serbilitet, Windoo, and Candido.

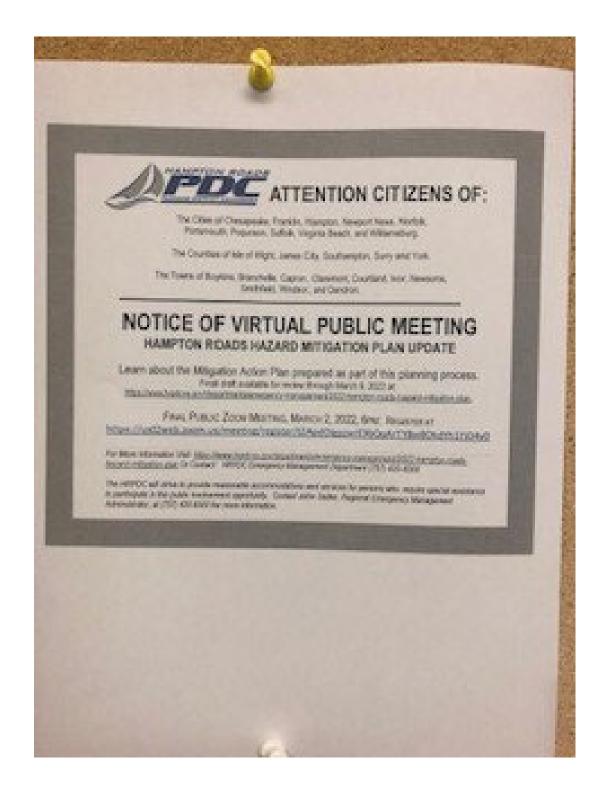
# NOTICE OF VIRTUAL PUBLIC MEETING HAMPTON ROADS HAZARD MITIGATION PLAN UPDATE

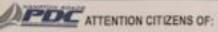
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Always be informed. Click here to get the latest news and information delivered to your inbox

# APPENDIX D — SURVEY RESULTS

This Appendix provides a copy of the 2021 Public Participation Survey and a summary of results collected. Open-ended responses were not included in this summary due to the hundreds of lengthy responses. However, the HRPDC maintains a file copy of the survey responses for public review upon request.

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	Questions			Responses	130	



# Hampton Roads - Public Participation Survey for Hazard Mitigation Planning

# We need your help!

Your community is engaged in a planning process to become less vulnerable to natural disasters and manmade hazards, and your participation is important to us. The Hampton Roads Planning District Commission (HRPDC) communities are updating their Hazard Mitigation Plan. This survey lets you share your opinions and participate in the process. Information you provide helps us better understand your hazard concerns and can lead to mitigation activities to lessen the impact of future events.

Please complete this survey and either submit it on this platform, or print and send to our planning consultant: Salter's Creek Consulting, 1 Peek Street, Hampton VA 23669. If you have any questions regarding this survey, or would like to learn about more ways you can participate in plan development, contact Ms. Danielle Space at the HPPDC at 757-420-8300.

# Hampton Roads - Public Participation Survey for Hazard Mitigation Planning

130

Responses

21:57 Average time to complete

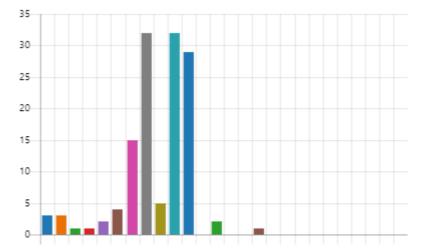


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# 1. In what community do you live?

Hampton	3
Newport News	3
Poquoson	1
liamsburg	1
James City County	2
York County	4
Norfolk	15
Portsmouth	32
Suffolk	5
🔵 Virginia Beach	32
Chesapeake	29
Isle of Wight County	0
Smithfield	2
Windsor	0
Franklin	0
Southampton County	1
Boykins	0
Branchville	0
e Capron	0
Courtland	0
lvor	0
Newsoms	0
Surry County	0
Town of Surry	0
Dendron	0
Other	0



2. What is your zip code (optional)?

115 Responses Latest Responses "23707" "23703" "23703" 3. We recognize that our entire community has recently been impacted by COVID-19. Beyond that, have you ever experienced or been impacted by a natural or manmade disaster?





4. If you answered "yes", please describe your experience(s). Feel free to describe your experience with COVID-19, as well.



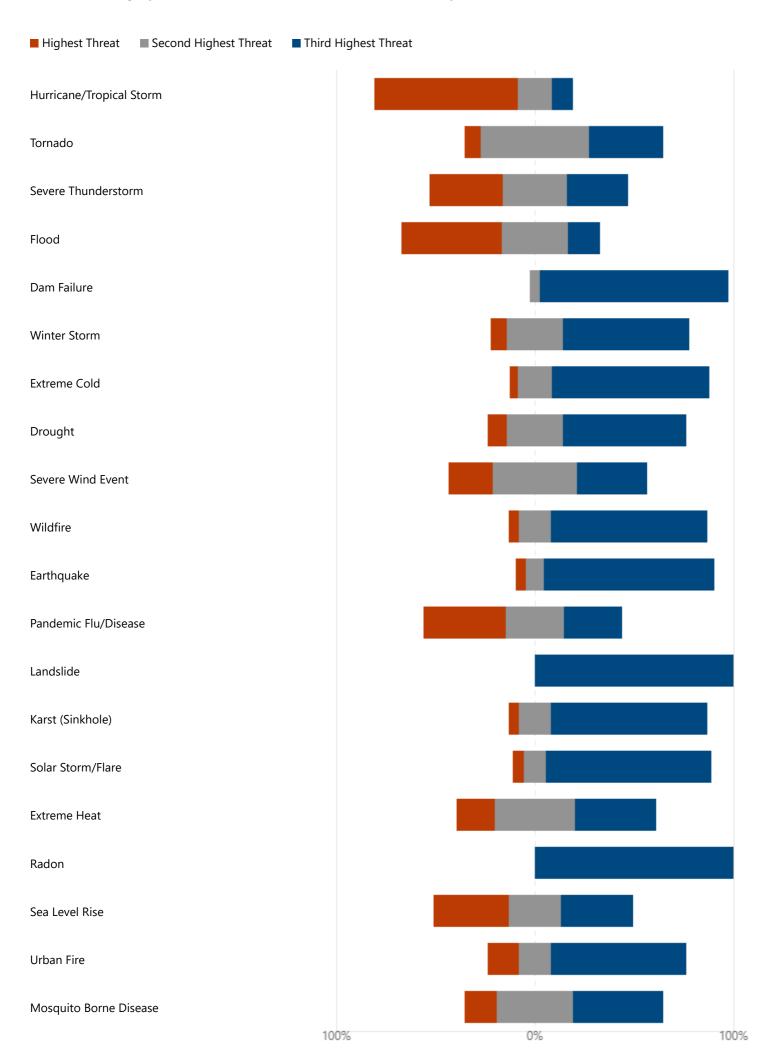
Latest Responses "Hurricane Isabel, Nor'easters that have heavily impacted Hampton Roads... "The city of Portsmouth refuses to maintain the ditches that storm drains ...

5. How concerned are you about the possibility of your community being impacted by a natural hazard or manmade disaster (besides COVID-19)? (1 not very concerned; 3 very concerned)

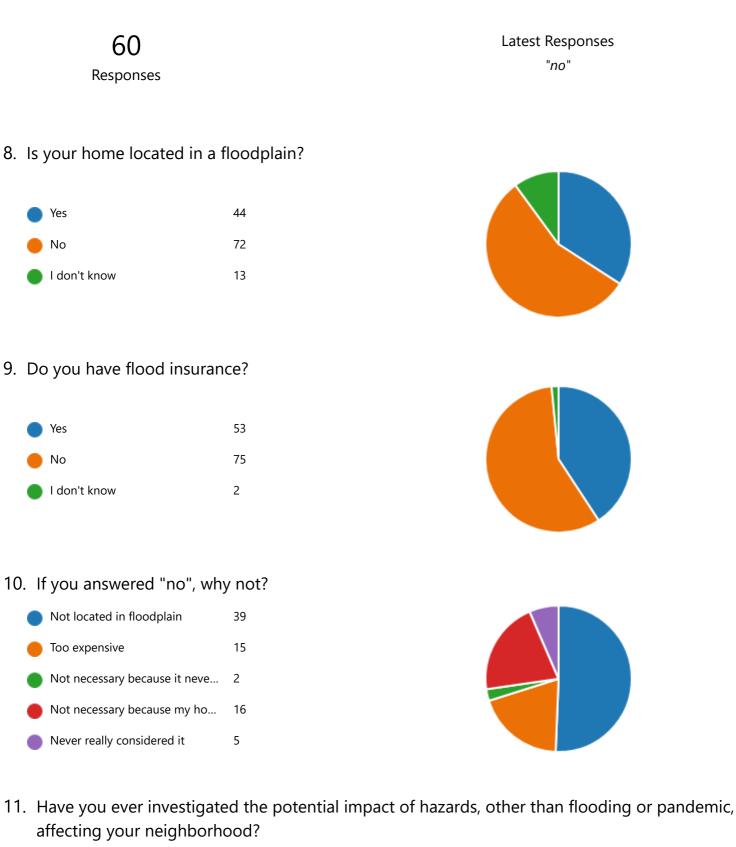
130 Responses 2.53

Average Number

6. Please select the three hazards that you think pose the highest threats to your community (you cannot change your response, so please choose carefully):



7. Is there another hazard not listed above that you think is a wide-scale threat to your neighborhood in particular?







12. If you answered "yes", please explain.  $52\,$ 

Responses

Latest Responses

13. Have you ever taken any actions to make your home or neighborhood more resistant to hazards?





14. If you answered "yes", please explain.

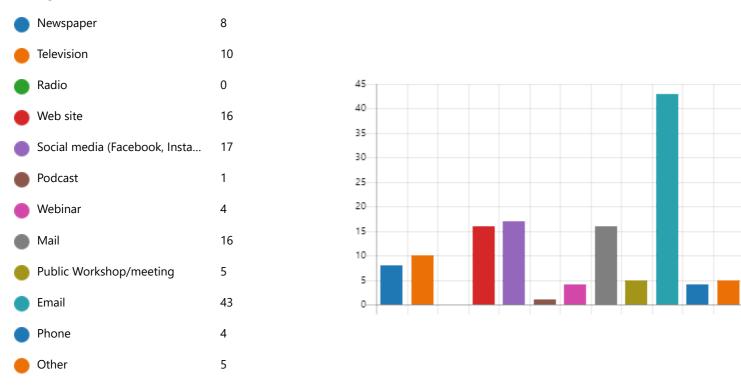
86	Latest Responses
Responses	"I have sent numerous e-mails to the city of Portsmouth about the diches

15. Are you interested in making your home or neighborhood more resistant to hazards?





16. What is the most effective way for you to receive information about how to make your home and neighborhood more resistant to hazards?



17. In your opinion, what are some steps your local government could take to reduce or eliminate the risk of future hazard damages in your neighborhood?

110	Latest Responses
	" <i>N/</i> A"
Responses	"There should be a maintenance plan in effect to have the ditches cleaned

18. Prevention: Administrative or regulatory actions that influence the way land is developed and buildings are built. Examples: planning and zoning, building codes, open space preservation, stormwater management regulations, drainage system maintenance, capital improvements programming, shoreline/riverine setbacks, Chesapeake Bay Act regulations, and floodplain regulations.

1.19 Average Number

125 Responses 19. Property Protection: Actions that involve the modification of existing buildings to protect them from a hazard, or removal from the hazard area. Examples: acquisition, relocation, elevation, critical facilities protection, structural retrofits, storm shutters, and insurance.

125

Responses

1.61 Average Number

20. Natural Resource Protection: Actions that, in addition to minimizing hazard losses, also preserve or restore the functions of natural systems. Examples: land acquisition, floodplain protection, watershed management, beach and dune preservation, erosion and sediment control, wetland preservation and restoration, habitat preservation, slope stabilization, riparian buffers, and forest management.

> 126 Responses

21. Structural Projects: Actions intended to lessen the impact of a hazard by modifying the natural progression of the hazard. Examples: dams, levees, seawalls, detention/retention basins, channel modification, beach nourishment, retaining walls and storm sewers.

> 124 Responses

22. Emergency Services: Actions that protect people and property during and immediately after a hazard event. Examples: warning systems, evacuation planning, emergency response training, sandbagging for flood protection, and installing temporary shutters for wind protection.

> 124 Responses

143

Average Number

1.36

Average Number

Average Number

1.59

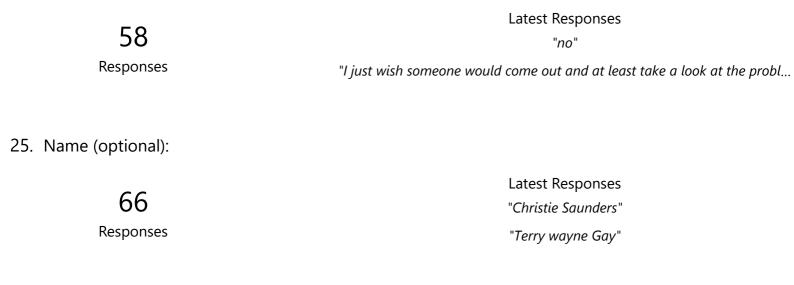
23. Public Education and Awareness: Actions to inform citizens about hazards and the techniques they can use to protect themselves and their property. Examples: outreach projects, speaker series/demos, hazard mapping, real estate disclosure, school education programs, library materials, hazard expos and inter-governmental coordination.

126	
Responses	

Average Number

1.47

24. Did the examples of activities from any of the previous questions trigger any additional ideas, thoughts or priorities you believe are important for your community's plan to reduce the cost and impact of hazards?



26. Address (optional):

54

Responses

Latest Responses "105 Lynn Drive 23707" "5517 Greenbrook Drive"

27. An online public meeting will be occurring on April 20, 2021 at 6pm. To receive an invitation to that meeting, or to be updated with the results of this survey and project information, please provide **your email address**:

-	7	2		
Res	ро	on	se	s

Latest Responses "Too late" "terrywaynegay@gmail.com"

•

## APPENDIX E - REVIEW COMMENTS

This section of the Plan includes each of the written comments received from public, committee and stakeholder reviewers during the final public review of the plan, as well as a response from the primary consultant addressing each comment in detail.

### 3/31/22: VDEM Review Comments

- Multi-jurisdictional Summary Sheet (Section III) is at the bottom of the Plan Review Tool Document – there is considerable contact information missing from the Jurisdictional Representatives' information. This may need to be changed, I am awaiting a response from FEMA. Usually this includes the CAO or CEO of each participating jurisdiction.
   **Response:** Revised with additional names. We did not include CAO or CEO of each Jurisdiction as they have rarely been our primary point of contact during the planning process.
- Cover Page Surry County and the Towns of Claremont and Dendron are not included in the list of planning communities.
   Response: Corrected
- Page 2.9 Paragraph 4 has dates unfilled that appear to be events that would have occurred by now. These should be filled in?
   Response: Corrected
- 4. Element A.1 partially met "who was involved in the process for each jurisdiction?"
  - a. There is a matrix for the "Steering Committee" on Pages 2.4-2.5 however, this does not identify a person for each jurisdiction and the information on the persons included does not meet requirements.
  - b. Town representatives are not included in the matrix for the Steering Committee. If they participated they should be included here. If Towns did not participate directly there should be documentation of how Towns provided input in the plan.
  - c. Complete information each of the 25 adopting/participating jurisdictions must include a name, position/title, and the jurisdiction's agency.
    - i. **44 CFR 201.6(c)(1)** The plan **must** identify who represented each jurisdiction. The Plan **must** provide, at a minimum, the jurisdiction represented and the person's position or title and agency within the jurisdiction. (A.1 Requirement C)

**Response:** Section 2 substantially revised to include new Table 2.2b which provides names, titles and agencies for each of the Working Group team members that participated.

- Element A.2 partially met the plan provides a generalized list of stakeholders invited on Page
   2.12 and there are stakeholders that DID respond to invites. There is not a list of ALL entities given the opportunity to be involved in the planning process.
  - a. **44 CFR 201.6(b)(2)** The plan **must** identify all stakeholders involved or given an opportunity to be involved in the planning process.

**Response:** Revised. The list on page 2:16 was modified to indicate specific agencies asked to participate that did not. Fortunately, many of the groups we asked did choose to participate so the list of stakeholders in Table 2.2a is long, but the list of agencies that did *not* participate on page 2:16 is short.

6. Element A.6 – partially met – There is a description for the 5-year plan and each of the three efforts are covered (Monitoring, Evaluating, and Updating). Missing is the requirement that each effort must identify WHO will be responsible for leading the how and when.

a. **44 CFR 201.6(c)(4)(i)** The plan **must** include the title of the individual or name of the department/agency responsible for leading each of these efforts.

**Response:** Revised. We updated Tables 2.2a and 2.2b with an asterisk beside each responsible individual and made changes to Section 8 to reflect this indication in Section 2.

- 7. Element C.2 partially met the plan provides thorough information on jurisdictions participating in the NFIP however, there is no information on the 3 participating communities that are not participating in the NFIP (Capron, Dendron, and Newsoms). Each of these towns are contained within a county that participates in the NFIP however, the missing requirement is that each participating community NOT participating in the NFIP must provide an explanation describing the reasons for not participating.
  - a. **44 CFR 201.6 (c)(3)(ii)** The plan **must** describe each jurisdiction's participation in the NFIP and describe their floodplain management program from continued compliance.
  - b. Jurisdictions that are currently not participating in the NFIP and where an FHBM or FIRM has been issued may meet this requirement by describing the reasons why the community does not participate.

**Response:** Revised. Section 5, page 5:9 includes a new paragraph describing the NFIP participation status of Capron, Dendron and Newsoms.

- Element C.6 partially met the plan does describe process by which local governments will
  integrate the requirements of the mitigation plan into other planning mechanisms (as noted in
  quote below from Page 8.2 for one example). However, the regulation calls for a description of
  "each participating jurisdiction's individual process."
  - a. Each community will integrate the tenets of this mitigation plan into relevant local government decision making processes or mechanisms. The primary means for integrating mitigation strategies into other local planning documents will be accomplished through the revision, update, and implementation of the Mitigation Action Plan that requires specific planning and administrative tasks (i.e., plan amendments, ordinance revisions, capital improvement projects). In addition, each community will incorporate existing planning processes and programs addressing the impacts of climate change, resiliency programs, flooding, and sea level rise hazard mitigation into this document by reference.
  - *b.* Per **44 CFR 201.6 (c)(4)(ii)** A multi-jurisdictional plan **must** describe each participating jurisdiction's **individual** process for integrating hazard mitigation actions applicable to their community into other planning mechanisms.
  - c. Unless the Mitigation Action Sheets will meet this requirement?

**Response:** Revised. A new Table 6:7 was added to summarize how each jurisdiction will continue to integrate their MAP into other planning mechanisms. Please also see Section 6, pages 6:8 through 6:31, which provides significant detail on how each community has already integrated these processes in ways that will continue into the future. This section was updated for this plan with additional detail on how this integration continued in the most recent planning period. In Hampton Roads, the level of integration is already quite high and in many cases, mitigation actions are echoed across numerous planning mechanisms. This integration is also

shown in the description of individual mitigation actions that are also included (or will be included) in resilience or comprehensive plans, for example.

- 9. B4 RL property Definitions:
  - a. The NFIP defines Repetitive Loss as 2 or more claims of at least \$1000 over a 10 year rolling period. This is the data that appears in this plan.
  - *b*. The Hazard Mitigation Assistance program defines Repetitive Loss as having incurred flood-related damage on 2 occasions, in which the cost of the repair, on the average, equaled or exceeded 25 percent of the market value of the structure at the time of each such flood event; and, at the time of the second incidence of flood-related damage, the contract for flood insurance contains increased cost of compliance coverage.

**Response:** Revised. A footnote was added on page 5:12 to provide the second definition.

2/7/22: Richard Stephens, Suffolk Fire & Rescue

10. I reached out to our Public Utilities Department last week, but have not heard back. I think adding a mitigation action is appropriate. I will work with the owner to rehabilitate the Godwin's Millpond Dam. Please feel free to contact me with any further questions.

**Response:** Revised. New mitigation action 11 for Suffolk added to MAP in Section 7.

2/8/22: Matt Simons, Norfolk Office of Resilience

11. I've made all our changes in the [attached doc] – see edits and comments with tracked changes. I've also assembled a few additional Actions for Norfolk based on recent events.

Response: Revised per Mr. Simons' edits.

2/10/11: Bobby Gelormine, Chesapeake Emergency Management

12. MITIGATION ACTION ITEM #4, please remove sentence #2 – City Jail.... and please remove sentence #4 – Chesapeake Facilities.... MITIGATION ACTION ITEM #11, please remove sentence #3 – City has upgraded package...

Response: Revised.

2/28/22: anonymous email

13. 576 PAGES. Are you nuts? How many people have time to read through an encyclopedia for the 6 sentences that apply to them? Sheesh already. You want my feedback? MAKE IT SIMPLE. KEEP IT SIMPLE.

**Response:** Most of the plan components are required to meet the Federal regulations. Multijurisdictional plans are consequently quite lengthy, but typically more cost effective than individual plans for each jurisdiction.

3/1/22: Beth Lewis, Southampton County Planning Director

14. Please look at the chart of page 20. It says Southampton County has 600 square miles, (correct) and 483 housing units per square mile (way incorrect!). The 2016 ACS says the County has 7673

housing units, which seems to be much closer 12.7 housing units per square mile. Can this be amended?

Response: Revised.

3/1/22: Beth Lewis, Southampton County Planning Director

15. The map labeled 5.12 seems to have a few more shades than the legend provides for. The legend has five colors. On the map I see: Grass green, Lime green, Neon-like green, Pea soup green, Goldish green in southern Southampton County, Orange in central Southampton County, Rust in Franklin, Red. Or is that just what my screen looks like?

Response: Revised.

4/29/22: Shannon Burke and Joshua Norris, FEMA – REQUIRED REVISIONS

16. ELEMENT A: REQUIRED REVISIONS

The plan is marked as, "Draft." FEMA will need a copy of the Approval Pending Adoption" version prior to final approval.

**Response:** Revised. The Cover page and all footers were updated with this title. These changes are not in Track Changes in the 2<sup>nd</sup> FEMA review draft.

17. A1. Participation in the plan by the Towns of Boykins, Branchville, Capron, Courtland, Ivor, Newsoms, Clermont and Dendron are unclear. The plan mentions Community-Specific Working Group Meetings, which are defined as consultant-facilitated brief, in-person meetings at the community level to discuss their final Mitigation Action Plan. (Page 2:11). Please include the dates, locations, and attendees of these meetings. The plan does not include a discussion of how the risk and vulnerability assessment were communicated to these communities in the facilitated meetings. Please include a discussion that how unique risks were communicated in these meetings.

**Response:** Revised. Appended additional explanation on these items to Section 2, subsection entitled "Community-Specific Working Group Meetings".

### 20. ELEMENT B: REQUIRED REVISIONS

B3.

The first three and a half pages replicate the 2017 plan, making the methodology difficult to discern. There is conflict between the hybrid methodology discussed on page 5:2 and the narrative on the Explanation of Potential Losses (page 5:24), where Level 1 Hazus data is used. For plans that receive FEMA funding, Hazus Level 2 analysis is required. Please run Hazus 2 for relevant hazards, using 2020 Census data along with other community supplied data. The plan indicates that some communities were performed at Level 2 but does not indicate which. Further, the plan does not assess riverine or stormwater flooding and the states that each hazard was assessed for the impacts of climate change but does not discuss how precipitation trends may affect flooding in the future. Note that Census data alone does not give specific output that is meaningful, and the plan mentions that the assessor's data used (among other community supplied data) was not sufficient for the vulnerability assessment.

**Response:** The methodology descriptions at the beginning and in the flood subsection of Section 5 were reviewed and amended. Several changes were made to clarify the process and to clarify that Hazus Level 2 was used wherever the FEMA FIRM level of detail permitted, and to clarify that riverine flooding sources were also included in the analysis. Discussion added to page 5:29 detailing projections for future precipitation levels and impact on flooding.

#### 21. Please include dates on maps.

Response: Revised.

22. B4. Update Table 5.5, p. 5:12-5:13 with current Severe Repetitive Loss data. The table, "NFIP Repetitive Loss Properties" includes out of date information for several communities—number of properties, value of losses, number of losses, average payment per claim. Some data hasn't been provided and some data is from 2015. The absence of this data brings in to question the accuracy of the NFIP Repetitive Loss Study Area maps, which are not required.

**Response:** Per FEMA Region III correspondence to the planning team in October 2021, new repetitive flood loss data were not made available for this plan. We had to use data from the 2015 plan, as well as any additional data that had been provided to communities directly from FEMA in the intervening years. New RL data are expected to be analyzed as part of the updated State Hazard Mitigation Plan in 2022.

23. Table 5.5 should be renamed, "NFIP Repetitive Loss Properties," because it contains repetitive loss information.

**Response:** That is the table name. No changes made.

24. Confirm the accuracy of Table 5.6, "Repetitive Loss Area Details." Is the data current?

**Response:** The table contents are current based on the data as described in comment 22 above.

#### 25. ELEMENT B: RECOMMENDED REVISIONS

The Vulnerability Assessment mentions impoundment failure related to flood, but it is not defined in the plan. Define impoundment failure in both the Hazard Identification Analysis and the Vulnerability Assessment.

**Response:** Section 4, page 4:32, "Flooding Due to Impoundment Failure/High Hazard Dam", 3<sup>rd</sup> paragraph provides a description of what an impoundment failure is, and the next paragraph describes factors that can cause impoundment failure, and describes impacts. Additional definitions suggested by FEMA were appended to this section per the response to comment 30 below.

28. The narrative under Figure 4.13 (Page 4:47) seems to refer to Figure 4.14 on the following page, but it reads as if it refers to the 2013 VIM[S] Recurrent Study for Tidewater Virginia.

**Response:** Revised narrative to clarify the difference between the two figures.

### 29. ELEMENT D: REQUIRED REVISIONS

D1. This element refers to changes in demographics, both positive and negative, and current development patterns and development pressures into the future. The Hampton Roads 2040 Socioeconomic Forecast prepared by the Hampton Roads Transportation Planning Organization in October 2013 was used to show development trends from 2009 to 2040. More current information is available. Update 2013 data to 2015 Transportation Analysis Zone Allocation data (Hampton Roads 2045 Socioeconomic Forecast and Transportation Analysis Zone Allocation Long Range Transportation Plan) to meet this element. It is available online.

Response: Revised.

30. RECOMMENDED REVISIONS (Required to Meet HHPD/All Dam Risk Requirements) HHPD2: The plan does not provide a summary description of all dam risk, which consists of incremental, non-breach, and residual risk. To meet this requirement, please add narrative describing incremental, non-breach, and residual risk with respect to at least Hampton Roads PDC 23 eligible high hazard potential dams. If insufficient information is available to describe non-breach and residual risk in PDC 23, please add language explaining this limitation and include the definition of the three all dam risk component concepts. Pertinent definitions and example language that would address this revision are included below.

#### Definitions:

Incremental Risk: The risk (likelihood and consequences) to the pool area and downstream floodplain occupants that can be attributed to the presence of the dam should the dam breach prior or subsequent to overtopping, or undergo component malfunction or misoperation, where the consequences considered are over and above those that would occur without dam breach. The consequences typically are due to downstream inundation, but loss of the pool can result in significant consequences in the pool area upstream of the dam.

Non-Breach Risk: The risk in the reservoir pool area and affected downstream floodplain due to 'normal' dam operation of the dam (e.g., large spillway flows within the design capacity that exceed channel capacity) or 'overtopping of the dam without breaching' scenarios.

Residual Risk: The risk that remains after all mitigation actions and risk reduction actions have been completed. With respect to dams, FEMA defines residual risk as "risk remaining at any time" (FEMA, 2015, p A-2). It is the risk that remains after decisions related to a specific dam safety issue are made and prudent actions have been taken to address the risk. It is the remote risk associated with a condition that was judged to not be a credible dam safety issue.

Source: "Rehabilitation of High Hazard Potential Dams Grant Program Guidance," June 2020

Example Language:

Note: Though the requested text edits are in blue for easy identification, please maintain the plan's established formatting (do not make the text blue in the plan itself).

At this time, insufficient information is available to conduct a substantive analysis of incremental, non-breach and residual risk relative to the Hampton Roads PDC's high hazard potential dams. However, it is acknowledged that incremental risk is "the risk (likelihood and consequences) to the pool area and downstream floodplain occupants that can be attributed to the presence of the dam should the dam breach prior or subsequent to overtopping, or undergo component malfunction or misoperation, where the consequences considered are over and above those that would occur without dam breach;" non-breach risk is "the risk in the reservoir pool area and affected downstream floodplain due to 'normal' dam operation of the dam (e.g., large spillway flows within the design capacity that exceed channel capacity) or 'overtopping of the dam without breaching' scenarios;" and residual risk) is "the risk that remains after decisions related to a specific dam safety issue are made and prudent actions have been taken to address the risk. It is the remote risk associated with a condition that was judged to not be a credible dam safety issue" (FEMA, 2020 Rehabilitation of High Hazard Potential Dams Grant Program Guidance)

Response: Revised Section 4 to include definitions.

31. HHPD2: Though Appendix D includes an assortment of dam-related data, this information is not explained or contextualized in the plan (ideally within the "Flooding Due to Impoundment Failure/High Hazard Dam" portion of Section 5). To meet this requirement, add at least narrative to the HMP describing the risks and vulnerabilities to and from eligible HHPDs including:

• Potential significant economic, environmental, or social impacts as well as multijurisdictional impacts from a dam incident.

- Methodology and/or assumptions for risk data and inundation modeling
- Documentation of limitations and the approach to address deficiencies

o Example: The first page of the Flooding Due to Impoundment Failure/High Hazard Dam section states the limitation that "[p]otential damages from inundation of these structures and infrastructure have not been further quantified, but is an area of expected future study in the region." However, no mitigation action or approach to address this deficiency is explicitly described in the plan. To address this component (bullet) of this HHPD2 required revision, consider adding a mitigation action that explicitly addresses the aforementioned limitation.

**Response:** Revised Section 4 to include this information or highlight where it is already included, such as in Table 4.4. Modified Section 7, Regional Mitigation Action 6, to clarify that conducting additional inundation studies is part of this action, and to use suggested HHPD activity language as provided in the recommended comments. Minor modifications were made to Section 5, as well, under the Flooding Due to Impoundment Failure/High Hazard Dam subsection.

### 5/18/22: Shannon Burke, FEMA – REQUIRED REVISIONS

32. Although the Planning Team and the PDC staff made multiple overtures to involve the towns in the plan, their participation is simply not demonstrated in the plan, which is required by the regulations. Not addressed.

**Response:** Removed the towns from the planning process discussion (Sections 1 and 2) and removed their mitigation actions to an appendix for archival purposes (Section 7).

33. Since the Severe Repetitive Loss and Repetitive Loss data have been provided by FEMA (4/29/22), current data must be integrated into the plan. It is not necessary to update the maps. Not addressed.

**Response:** Added new Table 5.5b that includes the new repetitive flood loss data.

# APPENDIX F – MITIGATION ACTIONS

This section of the Plan includes each of the mitigation actions for the region and each community in spreadsheet format, as well as information on previous actions which were removed from the plan during this 2022 update.

#	<b>Regional Mitigation Action</b>	Priority	Lead Agency	Implementation Schedule	2021 Status	Notes
1	Use existing or create new Elevation Certificates to collect lowest floor elevation data for flood-prone structures in the region, focusing initially on repetitive loss areas in each community.	High	AHAC	Ongoing	Retained with minor modifications	HRPDC worked with several communities to gather existing Elevation Certificates for use in flood vulnerability analysis.
2	Use AHAC structure and HRPDC resources to develop additional regional mitigation strategies and initiate annual workshop on mitigation project funding.	Moderate	AHAC/HRPDC, partner with Wetlands Watch, HR Green	Annually	Retained with minor modifications	
3	Analyze and update the platform, availability, and accuracy of HAZUS input data and output results for the purposes of conducting future, more detailed vulnerability analyses.	Moderate	HRPDC	Ongoing	Retained	
4	Conduct Commodity Flow Study for Southside.	Łew	HRPDC	Within 5 years of plan- adoption	Deleted. This study was identified in regional THIRA as a capability gap and will be pursued elsewhere.	
4	Use commercially available radon test kits to determine radon levels in structures. Evaluate radon data against known geological formations in the region to determine geographic variability in vulnerability. End product will be a refined map of radon zones.	Moderate	HRPDC, College of William & Mary	Begin project within 2 years of plan adoption; project may extend beyond 2027 planning horizon	New	
5	Partner with VDEM to review repetitive flood loss data from FEMA on a regular basis, update repetitive flood loss area polygons and shapefiles, and analyze data for patterns, errors and mitigation opportunities.	High	VDEM, HRPDC, all Hampton Roads flood- prone communities, particularly those participating in the CRS	within 2 years	New	

#	<b>Regional Mitigation Action</b>	Priority	Lead Agency	Implementation Schedule	2021 Status	Notes
6	Address high and significant hazard dam safety in the region, to include: Investigate and conduct risk assessments on dams using risk prioritization methodology; Conduct alternatives analyses to identify preferred plans for dam rehabilitations and the estimated costs for design and construction; Repair, removal, or any other structural or nonstructural measures to rehabilitate an eligible high hazard potential dam, including development of conceptual, preliminary, and final design plans; Conduct additional inundation studies, and use dam inundation data and flood depths to determine if retrofits to affected critical facilities may be necessary.	High	Virginia DCR, HRPDC, affected communities	Continuously over next 5 years	New	
7	renewal policy planning, to include assistance with:	Moderate	HRPDC AHAC, Virginia DCR	Over the next 2 years	New	
	1) Evaluation of rating accuracy and "minus- rated" policies;					
	2) Messaging and outreach to homeowners;					
	<ul><li>3) Elevation Certificate correction; and</li><li>4) Mitigation assistance for property protection.</li></ul>					

#	<b>Regional Mitigation Action</b>	Priority	Lead Agency	Implementation Schedule	2021 Status	Notes
8	Strengthen existing and create new regional transportation networks and hubs for evacuation and sheltering. The purposes and needs for evacuation and sheltering are evolving, and communities are moving away from traditional, large shelters to house large populations toward a more targeted approach that tries to anticipate disaster- related needs more specifically. Educating the public about these changes is an important component to this type of regional planning.	High	HRPDC AHAC; Stakeholders (e.g., hospital systems, universities, military bases, American Red Cross, social service agencies, transportation partners)	Immediately upon adoption	New	
9	Work with private companies to advance continuity of operations, including but not limited to power, gas, and water service restoration. Mitigation actions may include implementation of system redundancies, mutual aid agreements or other partnerships to address critical capability gaps. Physical retrofits may increase resilience of critical infrastructure, such as burying power lines and provision of dependable backup power to water and wastewater treatment facilities.	Moderate	Dominion, HRPDC AHAC	Within 4 years of plan adoption	New	

#				Implementation		
#	Newport News Mitigation Action	Priority	Lead Agency	Schedule	2021 Status	Notes
1	Maintain participation in National Flood Insurance Program. Continue enforcement of standards in existing ordinance that meet and exceed NFIP minimum requirements. Improve floodplain management program and CRS rating.	High	Emergency Management	Annually	Retain with minor modifications	The city is currently a class 7 in the CRS program.
2	Acquire, elevate, relocate, retrofit or floodproof structures in flood prone areas. Flood protection may include small structural flood control projects, such as tide gates, or backflow preventers. This action includes Mitigation Reconstruction projects.	High	Engineering	Ongoing	Retain	80 properties comprising 15.2 acres have been purchased.
3	Provide flood access/egress for critical facilities and infrastructure. Retrofits may include, but are not limited to: upgrades or relocation of the 911/EOC/311 facilities and wind vulnerability of building, components and equipment; floodproofing or elevating pump stations; retrofitting remaining pump stations with generators or quick-connect hookups.	High	Emergency Management, Facilities Engineering	Long-term, 3 to 7 years	Retain with minor modifications	
4	Enhance and stabilize shorelines and- roadway embankments along Chesapeake- Avenue, and reduce the impact and risk of- flooding to private and public properties.— This action may include Climate Resilient- Mitigation Activities (CRMA)	Łow	<del>Engineering</del>	Within 3 years of plan- adoption	<del>Delete</del>	Project complete.
5	Strengthen the Diascund Dam.	High	Facilities Engineering	<del>Scheduled for</del> completion in 2016	<del>Delete</del>	Project complete.
<del>6</del>	Raise the Lee Hall Reservoir dam.	High	Facilities Engineering	August 2015 to August- 2017	Delete	Project complete.
7	Raise the roadway at 27PPthPP Street and Buxton Avenue. This action may include Climate Resilient Mitigation Activities- (CRMA).	Moderate	Engineering	Construction to begin- mid-2016	<del>Delete</del>	Project complete.
4	Construct new access road to Pump Station 49 on Warwick Boulevard.	Moderate	Engineering	Within 5 to 7 years	Retain	Access remains a problem.

			Implementation				
#	Newport News Mitigation Action	Priority	Lead Agency	Schedule 2021 Status		Notes	
5	Drainage improvements on Chelsea Place, to include increased flow through the drainage outfall from the apartments and diversion of some of the flow from Edgemoor Drive to a new outfall.	Moderate	Engineering	Construction estimated to begin late 2022	Retain with minor modifications		
<del>10</del>	Improve the culvert on Gwynn Circle and Lucas Creek.	Moderate	Engineering	Construction to begin- in 2016	<del>Delete</del>	Project complete.	
6	Provide various watershed and flood warning improvements to reduce danger to lives and property from flooding along Newmarket Creek. This action may include Mitigation Reconstruction projects.	High		5 to 10 years; sensors have been installed	Retain with minor modifications		
7	Improve drainage system maintenance, including increased sediment and debris clearance.	High	Public Works	Ongoing as part of 5- year CIP updated annually. New projects continually identified.	Retain		
8	Continue Forest Management Program to mitigate wildfire hazards and promote forest health.	High	Newport News Waterworks	Ongoing	Retain		
9	Prepare public outreach materials. Educate elected officials and residents on the importance of the NFIP and the City's floodplain management efforts, maintaining flood insurance coverage, and methods for mitigating flood damage. City's comprehensive master floodplain management planning will include developing educational, outreach and more accessible materials and tools.	High	Emergency Management	Continuous Retain with modifications			
<del>15</del>	Hampton Avenue Channel Improvements & Constructed Wetlands Project. This action- may include Climate Resilient Mitigation- Activities (CRMA).	Moderate	Engineering	Construction to begin- early 2017	Delete	Project complete.	

#	Newport News Mitigation Action	Priority	Lead Agency	Implementation Schedule	2021 Status	Notes
<del>- 16</del>	Salters Creek Stream Restoration Project. This project may include Climate Resilient- Mitigation Activities (CRMA).	Moderate	Engineering	Construction to begin- mid-2017	Delete	Project complete.
10	Rehabilitation and improvement of Harwood's Mill Dam which impounds Harwood's Mill Reservoir to provide water for Harwood's Mill Water Treatment Plant. The planned improvement project consists of the demolition of the existing outlet works and principal spillway chute and construction of a new principal spillway floor slab, training walls, intake structure and flume, access bridge, concrete crest wall and the rehabilitation of the existing spillway weir.	High	Facilities Engineering	Feb 22 - Dec 23	New	
11	Stormwater Master Planning:the City will develop three separate, yet inter-dependent master plans for citywide stormwater management, floodplain management, and resilience & climate change management.	High	Engineering	Planning to begin '22 and will last 3 years	New	
12	Improve the Lions Bridge Dam which impounds Mariners' Lake to bring the dam into compliance with current state dam safety standards.	Moderate	Engineering	Design will be completed	New	
13	Nicewood Area Drainage Improvements. Evaluation of existing storm system and implementation of recommended improvements to address flooding.	Low	Engineering	Design will begin in 2022	New	
14	Marshall Ridley. Redevelopment of a large area of outdated apartments with no existing stormwater management system in place. The new development will include multiple BMPs and a regional stormwater management facility.	High	Engineering	Design 2021, Construction 2022	New	

#				Implementation		
π	Newport News Mitigation Action	Priority	Lead Agency	Schedule	2021 Status	Notes
15	Governors Drive Stream Restoration & BMP, including restoration of Flaxmill Creek to alleviate erosion and protect a major HRSD force main.	Moderate	Engineering	Design 2022, Construction 2024	New	
16	Analyze and improve drainage/stormwater system along Stoney Run\.	Moderate	Engineering	Computer Model Analysis 2021, Construction within 5 – 10 years	New	
17	Salters Creek Analysis and Drainage Improvements. Develop computer model analysis and implement identified drainage projects. Reduc flooding throughout the Salters Creek watershed by improving the capacity of the existing drainage system, providing additional storage, and ensuring compliance with stormwater regulations.	Moderate	Engineering	Design 2021, Construction 3-7 years	New	
18	James River Shoreline Stabilization. Stabilize 720 linear feet of shoreline on the James River to address severe erosion and failure of the steep slope along River Rd, and protect existing utilities and the road.	Moderate	Engineering	Design 2022	New	
19		Moderate	Engineering	Construction 2022	New	
20	Deep Creek Shoreline Stabilization. Stabilize the shoreline at Menchville Marina on Deep Creek.		Engineering	Construction 2022	New	

#	Poquoson Mitigation Action	Priority	Lead Agency	Implementation Schedule	2021 Status	Notes
1	Continue participating in the National Flood Insurance Program and the Community Rating System, with a goal of becoming a Class 7 community. Continue enforcement of standards in existing floodplain management ordinance that meet and exceed NFIP minimum requirements. Encourage additional staff to become Certified Floodplain Managers. Study feasibility of implementing additional floodplain management ordinance changes, including: a. Changes to the definition of "substantial improvement" that would require accumulation of costs of improvements and repairs of buildings, based on issued building permits, over a set time period; and, b. Coastal A Zone regulations that apply coastal high hazard area requirements in areas delineated by FEMA as subject to wave heights between 3 feet and 1.5 feet high.	High	Building Inspections	Ongoing	Retain with minor modifications	Want to be Class 7. Need to encourage more staff to become CFM.
2	Elevate, relocate, acquire, retrofit or floodproof structures in hurricane prone areas. Flood protection may include minor localized flood reduction projects, as well. Wind retrofit measures are also included and may be appropriate for some structures, especially publicly- owned structures. This action includes Mitigation Reconstruction projects.	High	Emergency Management and Building Inspections	Ongoing	Retain with minor modifications	approximately 10 structures elevated with FMA/HMGP
3	Implement the Shoreline Management Plan developed by Virginia Institute of Marine Science, as conditions warrant.	Moderate	Planning Department, Permitting, and Engineering	Ongoing	Retain	

#	Poquoson Mitigation Action	Priority	Lead Agency	Implementation Schedule	2021 Status	Notes
4	Continue to increase flood and wind protection and flood access/egress for critical facilities and infrastructure. Elevate new critical facilities, retrofit existing facilities as necessary, and elevate roads to provide access to elevated critical facilities. Retrofits may include but are not limited to: installation of emergency backup power, elevation of structure or components, relocation or retrofit of building components, and installation of tidal/flap valves on drainage structures. Coordinate with public utilities to protect or retrofit transformers, critical infrastructure and overhead power lines.	High	Public Works/Engineering, Fire Department, Police Department, Public Utilities	Ongoing	Retain	Significant progress made. 26 out of 29 wastewater pumps have fixed generators with only 1 left to retrofit; new elevated fire station; new elevated middle school under construction; public works building elevated. City makes ongoing efforts to identify and modify critical facilities in need of additional protection. Tidal/flap valves on drainage structures needed.
5	Collect and share hazard-related data in GIS-compatible format, including but not limited to:	High	Public Works, Solid Waste	Ongoing	Retain with minor modifications & additions	
	1) add tide gages for flood prediction and collect high water marks and calculate flood frequency for all coastal storms;					have high water marks from previous storms - will continue. Need tide gages.
	2) continue to collect Elevation Certificates for each structure in the 100-year floodplain and post online for property owner use;					considering posting ECs online.
	<ul> <li>3) use sidescan LIDAR to collect additional data regarding structure elevations Citywide;</li> <li>4) incorporate new software for the assessor's database</li> </ul>					
	that includes flood elevation data;					

#	Poquoson Mitigation Action	Priority	Lead Agency	Implementation Schedule	2021 Status	Notes
	5) use drone-produced real-time storm surge/tidal conditions mapping developed in conjunction with NASA and ODU; and,					
	6) inventory and prioritize low-lying secondary roads and intersections critical to evacuation.					
6	Review and update Pre-Disaster Debris Management Plan.	High	Public Works, Solid Waste	Ongoing	Retain with minor modifications	Plan is in place but needs regular review and updating. Purchased 2 new tractors.
7	Coordinate with public utilities, and use City resources to trim trees in the public right-of-way.	High	Public Works, utility providers	Ongoing	Retain	Agreement in place with York County regarding ROWs under their purview needed for evacuation.
8	Eliminate barriers to the orderly evacuation of citizens:	High	Engineering and City Manager's Office	Wythe Creek Road is scheduled for construction in 2022; Victory Boulevard widening is in the planning stages.	Retain with minor modifications	updated timeframes
	<ol> <li>Elevate and widen the causeway to Hampton (Wythe Creek Road);</li> </ol>					
	<ol> <li>Widen Victory Boulevard;</li> <li>Continue car evacuation agreement with Langley Motor Speedway to allow citizens to park cars there prior to expected flooding; and,</li> </ol>					agreement is in place
	4) Address low-lying roadways/intersections identified in Mitigation Action #5, including use of temporary flood barriers for critical resident evacuation routes and first responder access/egress.					added use of temporary flood barriers for critical roads
9	Support and maintain decal system for re-entry to the City following a disaster. Use social networking to strengthen the system.	High	City Manager's Office; Emergency Management	Ongoing	Retain	

#	Poquoson Mitigation Action	Priority	Lead Agency	Implementation Schedule	2021 Status	Notes
10	Support and maintain Code Red, the City's Reverse 911 system. Prepare messages to release to citizens before and after a natural hazard event.	High	Emergency Management	Ongoing	Retain	Special needs identification built into database for dispatch to notify first responders, and for evacuation.
11	Protect flood-prone natural resources as a buffer against sea level rise, including, but not limited to:	Moderate	Parks, City Manager's Office, Planning	Ongoing	Retain	
	a. Protect in perpetuity the 69 acres of natural land at the end of Poquoson Avenue donated to the City;					protected by zoning
	<ul> <li>b. Provide additional access points for the City's Blueway system, a series of canoe and kayak water trails in and around the City and Plum Tree Island; and,</li> </ul>					still needed
	c. Provide opportunities for retail and residential development on land that is less prone to flooding and sea level rise, such as the Big Woods area.					encouraged by zoning; purchased 6 acres for parks
12	Continue to participate in coalition with Virginia Tech and others using drones for storm/event damage assessment and wildland fire management.	Moderate	City Manager's Office	Ongoing	Retain	City has drones and operators.
<del>13</del>	Continue outreach efforts through a strategically- developed Plan for Public Information (PPI) using the- following seven steps:	<del>High</del>	Building Inspections	<del>2015 for Steps 1 and 2, 2016 for remainder</del>	Delete	City has completed elements they determined necessary.
	1. Create a PPI Committee					
	2. Assess Poquoson's public information needs					
	3. Formulate multi-hazard messages	ļ				
	<ol> <li>Identify outreach projects to convey the messages</li> </ol>					
	5. Examine other public information initiatives					
	6. Prepare the PPI document					
	7. Implement, monitor and evaluate the program					

#	Williamsburg Mitigation Action	Priority	Lead Agency	Implementation Schedule	2021 Status	Notes
1	Maintain and improve drainage system maintenance, including increased sediment and debris clearance. Purchase additional equipment for pre-storm debris clearance. Explore turf options for parking lots, streetscapes and underground retention where feasible, particularly in Colonial Williamsburg.	Moderate	Public Works	This is a continuous activity of the City's Public Works Department.	Retained with minor modifications	
2	Continue participating in the National Flood Insurance Program. Review and update floodplain management ordinance to include current resilience standards. Continue enforcement of standards in existing floodplain management ordinance that meet and exceed NFIP minimum requirements.	High	Designated Floodplain Manager (currently Rodney Rhodes)	Ongoing	Retained with minor modifications	
3	Maintain StormReady designation through the National Weather Service.	High	Fire Department	Ongoing	Retained	
4	Continue Colonial Williamsburg Tree Maintenance Program. Expand in-house crew.	Moderate	CWF Landscape crew	Ongoing	Retained with minor modifications	
5	Continue shelter generator maintenance and monitoring program. Assess need for and uses of additional shelter at William & Mary Tennis Center.	Moderate	Fire Department	Ongoing	Retained with minor modifications	
6	Strengthen GIS digital mapping program. Efforts include, but are not limited to, constant data updates with regard to water/sewer/SWM utilities, improved geodata and cloud use with data migration to a portal for use by public and by practitioners in the field. Additional hazard data to be added may include radon exposure in conjunction with William & Mary researchers.		IT	Ongoing	Retained with minor modifications	

#	Williamsburg Mitigation Action	Priority	Lead Agency	Implementation Schedule	2021 Status	Notes
7	Expand capacity/training for CERT groups and neighborhood-serving organizations to include communication about mitigation and response.	Moderate	Emergency Management and Human Services	Ongoing	Retained	
8	Expedite damage assessment data- collection through an automated software- package.	High	<del>Codes Compliance,</del> <del>Planning</del>	<del>3 to 5 years</del>	Deleted	Completed. Crisis Track system is being used and tested regularly.
8	Expand social media and use of Everbridge mass notification system for pre- and post- disaster information distribution; partner with CERT for assistance.	High	Communications Specialist, Emergency Management	Ongoing	Retained with minor modifications	
9	Per the William & Mary Hazard Mitigation Plan (2014), implement mitigation projects to protect historical and critical infrastructure at the College of William & Mary:		College of William & Mary	Ongoing	New	
	1) dry or wet floodproof vulnerable basements;					
	2) implement corrective actions necessary to ensure compliance of Lake Matoaka Dam with state dam safety regulations;					
	<ol> <li>weatherize buildings to reduce damage associated with water infiltration through roofs and windows;</li> </ol>					
	<ol> <li>continue rooftop inspection program, looking for signs of wear or damage;</li> </ol>					
	5) elevate building mechanical systems above potential areas of flooding and standing water; and,					
	6) Identify areas affected by the City's drainage system and collaborate on means of improvement to improve stormwater flow.					
10	Prepare elements of Continuity of Operations Plan (COOP) to address cyber security, utility continuity and redundancies, and communications.	Moderate	Emergency Management	Within 2 years of plan adoption	New	

#	Williamsburg Mitigation Action	Priority	Lead Agency	Implementation Schedule	2021 Status	Notes
11	Review and consider adoption of International Residential Code Appendix F, Radon Control Methods. This appendix to the Virginia USBC contains provisions intended to mitigate the transfer of radon gases from the soil into dwelling units.	Low	Codes Compliance	Within 5 to 7 years after plan adoption	New	
12	Address command and control coordination for large assembly hazard events.	IVIONERATE	Emergency Management	Within 2 years of plan adoption	New	

#	James City Co Mitigation Action	Priority	Lead Agency	Implementation Schedule	2021 Status	Notes
1	Protect critical facilities, including refuges, while increasing potential refuge capacity and/or protected areas. Protection measures may include emergency generators or other power sources, wind or flood retrofits, elevation, relocation, or reconstruction.	High	Emergency Management	Continuing	Retained	
2	Mitigate flooding problems identified in the flood studies performed for Powhatan Creek watershed. Measures may include, but are not limited to improvements to road crossings by increasing flow capacity, or installing over-topping protection.	Moderate	General Services Stormwater	Ongoing	Retained with minor modifications	
3	Conduct annual meeting with VDOT and utilities to identify hazard areas and potential projects to mitigate those areas.	High	Emergency Management	Annually	Retained	
4	Elevate, acquire, relocate, retrofit or floodproof structures in flood-prone areas. Flood protection may include minor localized flood reduction projects, as well. Wind retrofit measures are also included and may be appropriate for some structures, especially publicly-owned structures. This action includes Mitigation Reconstruction projects.	High	Community Housing	Ongoing	Retained	
5	Continue strengthening the County's Floodplain Management Program with the following actions:	High	Community Development/General Services , Emergency Management, Virginia DCR	Ongoing	Retained with modifications	
	<ol> <li>Review floodplain ordinance regularly for appropriateness of higher standards and necessary updates;</li> </ol>					
	2) Provide specialized training and support for Certified Floodplain Manager (CFM) certification for floodplain plan reviewers, inspectors and permit processors;					

#	James City Co Mitigation Action	Priority	Lead Agency	Implementation Schedule	2021 Status	Notes
	<ol> <li>Continue to assess repetitive loss data annually for loss accuracy, geographic accuracy, and determination whether structure(s) on property have been mitigated and if so, by what means. Provide corrections as necessary using FEMA AW- 501;</li> <li>Maintain current CRS Class 5 rating or</li> </ol>					this bullet is new
	5) Building Safety and Permits plans examiners to provide information and resources to help builders and owners evaluate hydrostatic (flood) vent options. Materials to be available on department's web site, and hands-on assistance at the permit counter, including an operational vent to show builders and posters in permit office. Request FEMA QuickGuide for Virginia from VDCR.					
6	Continue outreach efforts through "Flood Fluent" web site, hurricane and winter weather preparedness activities through FEMA and NOAA, and the social media outreach activities of Emergency Management.	High	Emergency Management (lead)	Within 2 years of plan adoption	Retained with major modifications	County has decided against a PPI, but still continues to conduct a lot of outreach as needs arise
7	Convene a task force to study/assess the- wildland fire hazard and the urban interface Task force recommendations may include- such topics as: additional building code- requirements in a mapped "interface zone", outreach or complimentary inspections for- homeowners.	<del>Moderate</del>	<del>Fire Department, Emergency- Management</del>	Within 5 years of plan- adoption	Deleted	Hazard risk deemed insufficient to merit this level of action.
8	Obtain StormReady designation through- NOAA.	Moderate	<del>Emergency-</del> <del>Management</del>	Within 2 years of plan- adoption	Deleted	Completed

	Implementation							
#	James City Co Mitigation Action	Priority	Lead Agency	Schedule	2021 Status	Notes		
7	Conduct annual Hazard Mitigation Workshop to update and share hazard mitigation information, discuss potential projects. Invite relevant County departments, non-profit agencies and other stakeholders. Develop annual Hazard Mitigation Potential Project List with ready packages for submittal as funding becomes available.	High	Emergency Management, Finance, Community Development/General Services , VDEM, Silver Jackets, VFMA	Immediately	Retained	COVID shifted focus		
8	Implement regulations and procedures to ensure that site development projects, including those initiated by the County, are consistent with the protection of environmentally sensitive areas and the maintenance of the County's overall environmental quality so that development projects do not exacerbate current or future flooding in flood prone areas.	High	All	within 3 years of adoption	New			
9	Finalize, fund and implement the County's Flood Resiliency Plan and associated projects, which are adopted herein by reference. Projects are expected to include shoreline erosion and stream restoration projects among others. Three watershed management plans are also expected to begin in the near future, which will prioritize stream restoration needs and outline priorities for CIP funding.		Community Development/General Services	within 1 year of adoption	New			

#	York County Mitigation Action	Priority	Lead Agency	Implementation Schedule	2021 Status	Notes
1	Continue outreach efforts using the following steps:	High	Emergency Management, Development Services	Within 2 years of plan adoption	Retain	
	<ol> <li>Assess County's public information needs</li> </ol>					
	2. Formulate multi-hazard messages					
	3. Identify outreach projects to convey the messages					
	<ol> <li>Examine other public information initiatives</li> </ol>					
	5. Implement					
2	Continue strengthening the County's Floodplain Management Program with the following actions:	High	Public Works and Development Services	Ongoing	Retain with minor modifications	
	<ol> <li>Review and update floodplain ordinance regularly and continue to provide annual Floodplain Management Report;</li> </ol>					
	<ol> <li>Consider regulating land outside 100-year floodplain but subject to future flooding as a result of sea level rise;</li> </ol>					
	3) Continue participating in the CRS					
	<ol> <li>Collect lowest floor elevation data for flood-prone structures;</li> </ol>				New	
	5) Continue specialized training and support for Certified Floodplain Manager (CFM) certification for floodplain plan reviewers, inspectors and permit processors; and,					

#	York County Mitigation Action	Priority	Lead Agency	Implementation Schedule	2021 Status	Notes
	6) Continue to assess repetitive flood loss data annually for loss accuracy, geographic accuracy, and determination whether structure(s) on property have been mitigated and if so, by what means. Provide corrections as necessary using FEMA AW- 501.					
3	Retrofit or floodproof structures in flood- prone areas; projects may include elevation, acquisition, relocation and minor localized flood reduction projects. Wind retrofit measures are also included and may be appropriate for some structures, especially publicly-owned structures. This action includes Mitigation Reconstruction projects. Tie mitigation efforts to outreach efforts listed in action #1 and encourage property owners to perform minor retrofits on their own.	Moderate	Emergency Management	Ongoing	Retain with minor modifications	
4	Develop public outreach materials to educate citizens about the wildland fire hazard and the wildland/urban interface.	Moderate	Department of Fire and Life Safety	Within 5 years of plan adoption	Retain	
5	Maintain program for continued assessment of identified stormwater "choke points" .	Moderate	Public Works	Ongoing	Retain with minor modifications	Public Works has developed and implemented a program to clear and maintain stormwater choke points in advance of approaching storms.
6	Evaluate critical facilities for safety and sustainability during emergencies. Take appropriate corrective actions, which may include but are not limited to: providing backup power sources, wind retrofits and flood retrofits.	Moderate	Department of Fire and Life Safety	Ongoing	Retain	Projects have been completed to install backup generators (power) to crtitcal facilities. Additional projects are being considered to improve York County's capabilities.

#	York County Mitigation Action	Priority	Lead Agency	Implementation Schedule	2021 Status	Notes
7	Continue support of the Newport News Department of Public Utilities (Waterworks) forest management program to mitigate wildfire hazards and promote the health of forests within the reservoir watersheds.	Moderate	Department of Fire and Life Safety	Ongoing	Retain with minor modifications	The coordination and implementation of this mitigation action is done with the City of Newport News. The County supports a regular timber harvest, participates in related training, and supports Newport News' activities to promote the health of forests - within the watershed property.
8	Manage shoreline erosion through the following actions:	Low	Development Services Department, Planning Division, Public Works	Ongoing	Retain	
	a. Request and share VIMS staff recommendations for shoreline erosion control permit applications with Wetlands Board citizen members; and,					
	b. Continue to include shoreline erosion control element in the Comprehensive Plan.					
9	Increase knowledge of hazardous materials storage areas to reduce impacts from overlapping hazard events through the following:	Moderate	Fire and Life Safety, Information Technology (GIS)	Within 5 years of plan adoption	Retain with minor modifications	
	<ol> <li>Create and maintain geodatabase of known storage locations of hazardous materials;</li> </ol>					
	<ol> <li>Add hazmat data to dispatch system so that first responders can better visualize sites during response;</li> </ol>					
	<ol> <li>Use data layer to build better response capabilities; and</li> </ol>					
	4) Analyze data in conjunction with other hazard layers (flood, sea level rise, wildfire, etc.) to identify problem areas and possible retrofits to reduce risk.					

#	York County Mitigation Action	Priority	Lead Agency	Implementation Schedule	2021 Status	Notes
10	Install and maintain high water marks signs and gages in flood-prone areas.	High	Public Works	Within 5 years of plan adoption	Retain with minor modifications	High water signs and markers have been strategically placed in low-lying areas of York County. They are regularly inspected and maintained - especially during the approach of significant storms. York County has investigated tidal guages/sensors through VIMS and the City of Newport News. We are currently relying on the guage near the USCG Base (Yorktown).
11	Consider expanding existing Pre-Disaster Debris Management Plan to refocus beyond stormwater management on public property and to include public outreach and hazardous materials facilities. Remove existing trees and debris that pose hazard during natural disaster.	High	Public Works	Within 3 years of plan adoption	Retain with minor modifications	Pre-disaster mitigation actions are contained within the County's Debris Managment Plan.
12	Align existing Disaster Recovery Plan with regional expectations. As Hampton Roads region develops a regional plan, continually monitor progress to ensure York County has all necessary components up to date.	Low/Moder ate	Planning, Emergency Management	Within 5 years of plan adoption and in accordance with regional plan schedule	New	
	Review and consider adoption of International Residential Code Appendix F, Radon Control Methods. This appendix to the Virginia USBC contains provisions intended to mitigate the transfer of radon gases from the soil into dwelling units.	Low	Building Regulation	within 5 to 7 years of plan adoption	New	See requirements at: https://codes.iccsafe.org/content/IR C2018/appendix-f-radon-control- methods
14	Modify County Comprehensive Plan (Charting the Course to 2035) to account for hazard mitigation and flood resiliency.	Moderate	Planning Division	In conjunction with next scheduled Comp Plan update	New	

#	Norfolk Mitigation Action	Priority	Lead Agency	Implementation Schedule	2021 Status	Notes
1	Maintain and protect the City's beaches and shorelines using structural means.	High	Office of Resilience, Public Works	Ongoing	Retained	Multiple activities are covered under this effort, including breakwater and other structural features, beach surveys and source identification, and environmental permitting.
2	Maintain and protect the City's beaches and shorelines using natural shoreline protection measures.	High	Office of Resilience, Public Works	Ongoing	Retained with minor modifications	
3	Provide educational engagement and improve communications to residents to increase awareness of vulnerability to multiple hazards. Focus on hurricanes, sea level rise, flooding, nuisance flooding and severe repetitive flood losses. Provide outreach that increases citizens' ability to take mitigative actions prior to disaster event. Focus on hurricane preparedness and flood mitigation.	High	Emergency Preparedness & Response, Chief Resilience Officer, Planning, Public Works, Chief Marketing Officer	Ongoing	Retained with minor modifications. Combined with previous #4.	
4	Provide outreach that increases citizens'- ability to take mitigative actions prior to- disaster event. Focus on hurricane- preparedness and flood mitigation	<del>High</del>	Emergency Preparedness & Response, Chief Resilience Officer, City Planning		Combined with previous #3.	
4	Purchase and install generators or other- continuous power sources for critical- facilities and infrastructure. This action may- include, but is not limited to pump stations,- EOC, shelters, underpasses and important- traffic signals.	High	<del>General Services, Public Works &amp; Emergency Preparedness &amp; Response</del>		Combine with previous #7.	
	Include critical public facility generator- requirements and required connection- materials in the USACE Emergency Power- Facility Assessment Tool (EPFAT).				Combine with previous #7.	
4	Continue to implement capital improvements that improve stormwater management and control flooding, especially for undersized and out-of-date drainage systems and patterns.	High	Public Works	Ongoing	Retained	

#	Norfolk Mitigation Action	Priority	Lead Agency	Implementation Schedule	2021 Status	Notes
5	Identify and improve critical facilities and infrastructure to minimize flood and wind damage, specifically targeting schools, EOC and emergency shelters. Action may also include placing utility lines underground or preemptive traffic systems for emergency vehicles.	High	City Planning, Public Works, Emergency Planning & Response, Public Utilities	Ongoing	Retained	
6	Protect flood-prone structures through the following ongoing actions:	Very High	City Planning	Ongoing	Retained with modifications	
	<ul> <li>a. Incorporate CDC's Social Vulnerability Index tools to align actions with the City's commitment to being a diverse, equitable and inclusive city</li> </ul>					
	b. Give highest priority to protection of "severe repetitive losses" as defined by the National Flood Insurance Program (NFIP), including verifying the location of all repetitive losses, verifying location and need for mitigation;					
	<li>c) Second highest priority to mitigation of historic resources, or meeting the Secretary of the Interior's standards for eligibility as a historic resource. Historic resources should be protected in place, or relocated; raised not razed;</li>					
	d) Prepare Repetitive Loss Area Analyses for CRS credit under CRS Activity 512(b);					
	e. Elevate, acquire, relocate or otherwise retrofit structures. This action includes Mitigation Reconstruction projects for non- historic resources, ground floor conversion projects and basement fill projects					
	<ul> <li>d. Target potential properties or clusters of properties on low elevations near wetlands for purchase and conversion to public open space.</li> </ul>					

#	Norfolk Mitigation Action	Priority	Lead Agency	Implementation Schedule	2021 Status	Notes
7	Implement a full rollout of Crisis Track to improve post-event damage assessment procedures so that damages, event frequencies, and other data are more readily available for mitigation planning and fully integrated into VDEM and FEMA's SDE Tool.	Moderate	Information Technology, Emergency Preparedness & Response, Finance, City Planning, Neighborhood Services	Ongoing	Retained with modifications	
8	Implement actions to improve Community Rating System (CRS) classification to at least a Class 4 with a 30 percent discount on most flood insurance policies.	High	Planning & Community Dev.; Public Works	within 3 years	Retained with modifications	
9	Verify the geographic location of each NFIP- repetitive loss property, determine if that- property has been mitigated and, if so:	High	City Planning		Combined with old #8	
	<ul> <li>Record what methods were used to- mitigate; and</li> </ul>					
	Collect evidence and submit completed- AW-501 (NFIP Repetitive Loss Update- Worksheet) to request removal of the- property from the repetitive loss database.					
<del>10</del>	Implement approved project through the National Disaster Resilience Competition (NDRC) HUD grant. This action may- include Climate Resilient Mitigation Activities- (CRMA) and Mitigation Reconstruction- projects.	High	Chief Resilience- Officer, Public Works,- City Planning, Emergency- Preparedness and- Response		Remove	Project substantially complete.
9	Assess and protect historic resources and structures from flooding and realtive sea level rise. Measures should include short-, medium- and long-term solutions.	High	City Planning, Chief Resilience Officer	Ongoing	Retained with modifications	

#	Norfolk Mitigation Action	Priority	Lead Agency	Implementation Schedule	2021 Status	Notes
10	Identify and implement resilient strategies throughout the city to provide better watershed, neighborhood and parcel specific flood protection and mitigation. Perform feasibility study for coastal storm risk protection for Norfolk southside neighborhoods based on future sea level rise and flood conditions. Other projects include, but are not limited to recommendations of the Joint Land Use Study in conjunction with the City of Virginia Beach and the U.S. Navy, as well as the Norfolk Coastal Storm Risk Management solutions.	High	Chief Resilience Officer, Public Works, City Planning, Emergency Preparedness and Response	Ongoing	Retained with modifications	
11	Explore partnership with NASA to use Interferometric Synthetic Aperture Radar (InSAR) to study changes in the rate of localized subsidence and possible links to relative sea level rise.	Moderate	Office of Resilience, NASA	Within 2 years	New	
12	Update the City's Combined Coastal and Precipitation Flooding Master Plan to meet the minimum CRS requirements for a Watershed Master Plan	High	Office of Resilience, Public Works, Planning	Ongoing	New	
13	Obtain direct technical assistance to incorporate green infrastructure, social vulnerability, and environmental justice into Benefit-Cost Analysis/Ratio (BCA/R) calculations for structural/hybrid flood protection measures for the Southside communities of Berkley and Campostella.	High	Office of Resilience	Ongoing	New	
14	Increase number of real-time flood inundation storm sensors installed throughout the City and made available for public API integration within Norfolk Open GIS Data portal.	High	Office of Resilience, Public Works, EPC	Ongoing	New	

#	Portsmouth Mitigation Action	Priority	Lead Agency	Implementation Schedule	2021 Status	Notes
1	Develop a post-disaster continuity of operations plan to assist in more rapid recovery after a disaster.	High	Emergency Management, Planning, Permits & Inspections, Engineering, Public Works	Phase II is being planned and awaiting funding	Retain	Phase II is being planned to complete this Action Item (Awaiting America Rescue Plan funding). Initiated.
2	Designate non-flood-prone pickup points within the city evacuation zones to assist citizens who must rely on alternative or public transportation to evacuate.	High	Emergency Management, Planning	Within 2 years	Retain	More robust analysis is needed to refine pickup points and also determine points of distribution during an emergency. Locations have been established for hurricane evacuation, along with agreement with HRT to help in an event.
3	Hurricane/flood outreach/education to residents and businesses. Determine new and best way(s) to get information to the most vulnerable and least connected residents.	High	Emergency Management, Planning	Continuous	Retain with modifications	Ongoing efforts to determine new and best way to get information to the most vulnerable/least connected to information. Flyers have been used in the past, primarily on topic of flooding with some information on hurricanes. These are sent out to those in the flood zones. Fire Dept sends out notifications on social media through City Marketing department as well.
4	Identify sources and evaluate use of available data to pinpoint the location of persons with disabilities for mitigation, evacuation, response, recovery.	Moderate	Planning, GIS	Within 2 years	Retain with modifications	Arcadis will review available data sources on vulnerability indices as potential HMP addendum. Certain data is difficult to obtain because of privacy concerns (e.g. health department raw data). Not initiated.

#	Portsmouth Mitigation Action	Priority	Lead Agency	Implementation Schedule	2021 Status	Notes
	Portsmouth Mitigation Action	Priority	Leau Agency	Schedule	2021 Status	
5	Implement additional flood monitoring stations to track real-time water levels in targeted areas to support response efforts. Leverage regional efforts to determine best technology, including cost effectiveness analysis.	Moderate	Planning, Emergency Management	Within 5 years	Retain with modifications	Dashboard is currently not working. May need to investigate other software. Leveraging regional efforts on potential best technology, including cost effectiveness. System in place to collect and report data. Still in improvement process.
6	Systematically track and map areas that sustain non-tidal flooding and "sunny day" flooding, with focus on currently flooded streets and areas susceptible to future flooding. Allow community to sign up for notifications when streets flood and pair floodwater sensors with rain gage data to improve prediction capability. Expand number of sensors.	Moderate	Engineering, Planning, Emergency Management, Public Works, GIS; DHS: HMGP 5% Initiative	Continuous		USGS has improved data. Over the street area is key. Want community to be able to sign up and get notification if there is street flooding through notification/Waze. Also want to pair them with rain gauge to do predictions. Greenstream has put some tide monitoring as some. They worked privately with ERP and some private owners. Some devices have been installed. Desired expansion with identification of high accurate and cost effective options.
7	Implement Citywide drainage improvement projects.	Moderate	Engineering, Public Works	Long term; as funding becomes available	Retain with modifications	Ongoing. Long-term program. Several projects (e.g. Street drainage, sea-wall, pump station etc.) have been initiated.
8	Implement action items from 2015 Floodplain Management Plan and Repetitive Flood Loss Plan.		Planning, Emergency Management	Ongoing. Some long term as funding available	Retain	Not planning to update, have largely transitioned to regional HMP for this role and future Plan/Strategies to be developed. Ongoing. To be accomplished as funds become available.

#	Portsmouth Mitigation Action	Priority	Lead Agency	Implementation Schedule	2021 Status	Notes
9	Mitigate flood-prone and repetitive flood loss structures. Mitigation measures may include acquisition, relocation, elevation, or other retrofit measures to provide flood protection. This action includes Mitigation Reconstruction projects. Develop a guide or adapt an existing manual that advises residents/property owners how they can retrofit their buildings for increased sustainability and resiliency.	Moderate	Planning, Emergency Management	Continuous	Retain	Program for RL and SRL has been shown to be challenging to implement in neighborhing communities. City does not desire to mitigate individual structures. City intends to provide technical support (information to support residents in individual efforts).
10	Determine whether Repetitive Flood Loss properties have been mitigated.	High	Planning	Continuous	Retain	City is continuing to track homeowner efforts via permitting process. FEMA has not made any additional data available on RL/SRL properties.
11	Advocate for improved and increased grants for mitigation activities from State and Federal sources.	High	Planning, Emergency Management, Permits & Inspections, Engineering	Continuous	Retain	City would prefer FEMA give HMGP money directly to citizens for improvements on private side. Portsmouth has been taking advantage through successful pursuits of recent grant cyccles through FEMA and VDEM.
12	Review and revise City's series of procedures and pre-approved messagesto ensure that Code sections do not conflict and do not hamper recovery efforts and that permitting is streamlined and efficient. Leverage technology to facilitate prompt permit processing during or after an event using mobile and electronic means.	High	Planning, Permits & Inspections, Engineering, Public Works, Emergency Management	Within 5 years	Retain with modifications	Continual review of Zoning ordinances and updates to ensure no conflicts between requirements. City is leveraging technology to issue permits during an event more quickly using mobile and electronic means.
13	Review existing plans to ensure that they integrate mitigation concepts. Ensure that future plans integrate mitigation concepts detailed in the Hazard Mitigation Plan.	High	Planning, Permits & Inspections, Engineering, Public Works, Emergency Management	Within 5 years and as new plans are developed	Retain	Build One Portsmouth Comp Plan adopted was successful implementation of this, ongoing with other plans.

#	Portsmouth Mitigation Action	Priority	Lead Agency	Implementation Schedule	2021 Status	Notes
14	Implement green infrastructure for flood and stormwater abatement.	Moderate	Planning, Engineering, Public Works	Ongoing	Retain with modifications	Some projects are being initiated (e.g. Court Street Improvements). Future projects are prioritizing the use of green infrastructure.
#	Replace the Seawall.	High	Engineering	4 years	Retain	Signifcant components of the seawall have been replaced. Ongoing.
	Create dialogs with other governmental (e.g. HRT, HRSD, Port of Virginia) and non- governmental (e.g. Dominion Virginia Power, Verizon, etc) stakeholders to encourage and coordinate incorporation of mitigation strategies into projects and policies that affect Portsmouth's citizens and visitors.	Moderate	Planning, Engineering, Emergency Management	Continuous	Retain with modifications	Leveraging regional meetings to promote mutual benefitting projects. Coordination is on-going. Example - Dominion has undergound assets due to high wind assessment in Churchland.
17	Develop inventory of first floor elevations (and possibly Elevation Certificates) of structures in flood zones in low- to moderate- income housing areas.	Moderate	Planning	Within 5 years		FEMA funded project + Arcadis Pro Bono project would develop pilot FFE inventory. USACE, HRPDC, RISE have all tried to attempt this but have not provided enough accuracy. Arcadis is initiating another project to attempt this.
18	Continue implementing City's Heat Injury Prevention Plan and position cool buildings for easiest access by high vulnerability populations and neighborhoods.	High	Emergency Management	Ongoing	New	

#	Suffolk Mitigation Action	Priority	Lead Agency	Implementation Schedule	2021 Status	Notes
1	Protect repetitively flooded infrastructure and structures through elevation, acquisition, relocation, retrofits or repurposing. Other structural means are included, as appropriate, for protecting critical infrastructure. This action includes Mitigation Reconstruction projects.	Low	Emergency Management and Public Works	Ongoing	Retain	The City has purchased a few properties to mitigate flooding concerns and there are plans for further projects and purchases to mitigate flooding.
2	Provide emergency power to critical infrastructure, critical facilities and critical roadway intersections during extended power outages. Increase emergency generator capabilities at school facilities used as shelters to meet ADA functional needs requirements.	High	Public Utilities, Public Works, Facility Management	Ongoing	Retain	City Hall, PW Operations, and the PW Operations Yards at Whaleyville, Holland, and Chuckatuck all have emergency backup generators installed and functional Currently, 36 traffic signals have back- up natural gas generators installed, and 22 signals have with battery-only backup installed. Additionally, a new mandatory requirement was implemented by the City requiring that any new signal built or signal rehabilitated must have a permanent backup generator
3	Provide hurricane and flood outreach and education materials to residents within the City to make flood protection information available to property and business owners and renters.	High	Emergency Management	Within 2 years	Retain with minor modifications	Instead of focusing on travelers we should focus on the residents of the City of Suffolk. We will provide hurricane and flood outreach and education to all Public Libraries and at City Hall.

#	Suffolk Mitigation Action	Priority	Lead Agency	Implementation Schedule	2021 Status	Notes
4	Continue to implement capital improvements that improve stormwater management and control flooding, especially for undersized and out-of-date drainage systems and patterns. This action includes all initiatives identified in the 2022 Resilience Plan.	High	Public Works	Ongoing	Retain with minor modifications	Sadler Pond Improvements was turned into the Route 460 Culvert Replacement Project, which has been completed. Chenango Court-complete, & Pughsville Study - Phase 1 is complete and design and ROW acquistion is underway for Phase 2) Other drainage projects are identified and planned including Oldetown Drainage Project & Oakland Drainage Project.
5	Develop a Resilience Plan that incorporates a stormwater drainage plan to address issues in flood-prone areas; prioritize and implement plan recommendations. This action includes all initiatives identified in the 2022 Resilience Plan.	High	Planning and Public Works	Ongoing	Retain with minor modifications	Change to " The City will be developing a Resilience Plan in 2022 that will identify projects and address issues in floodplone areas in the City."
6	Continue strengthening the City's Floodplain Management Program with the following actions:	High	Planning and Public Works	Within 4 years	Retain with minor modifications	2 PW Staff members will be taking CFM Exam in 2022. Change wording for number 3 to "Providing specialized training and support CFM certification for applicable City staff. PW recognizes that Planning Dept. is lead agency on this
	<ol> <li>Reviewing and adopting State Model Floodplain Ordinance, including 1 foot freeboard elevation requirement;</li> </ol>					
	2) Incorporating floodplain requirements into permit process with information in the online FAQs, BFE required on the building permit application (as required by NFIP), creating and posting online standardized forms for substantial improvement/damage determination;					

#	Suffolk Mitigation Action	Priority	Lead Agency	Implementation Schedule	2021 Status	Notes
	3) Providing specialized training and support Certified Floodplain Manager (CFM) certification for applicable City staff;					
	4) Preparing educational materials in the permit office on the value of flood insurance, freeboard and NFIP compliance; and,					
	5) Continuing participation in the Severe Repetitive Loss program.					
7	Verify the geographic location of each NFIP repetitive loss property, and determine if that property has been mitigated and, if so, by what means.	High	Planning	Ongoing	Retain	Planning Item. Currently an official list does not exsist. There are plans to identify the properties that may be involved.
8	Retrofit Primary Shelters in the City to conform to the Ultimate Design Wind Speed for Risk Category 3 structures as referenced in the current edition of the Uniform Statewide Building Code, Part 1 (USBC).	Moderate	Capital Programs Director and Public Schools Director of Facilities and Planning	5 to 7 years	Retain	This item has not been completed at this time.
9	Install markers indicating the flood water depth along streets or roads subject to tidal, riverine or urban flooding.	Low	Traffic Engineering, Emergency Management	3 to 5 years	Retain	The City is developing a program to prioritize the installation of these signs starting with the arterial and collector highways and priority routes within our urbanized area.
10	Retrofit the East Suffolk Recreation Center with an emergency generator to support shelter operations for that section of the City.	Moderate	Capital Programs and Facilities, Department of Parks and Recreation	5 to 7 years	Retain	Not yet installed. Email sent to Terry Baronner 10/18; advised that City Manager's office would be responding to this item. The Red Cross has complete shelter surveys for the East Suffolk and Whaleyville Recreation Centers and have entered into an agreement to utilize the facilities as shelters. Whaleyville Recreation Center does have a generator.

#	Suffolk Mitigation Action	Priority	Lead Agency	Implementation Schedule	2021 Status	Notes
						Godwin's Millpond Dam was
						assessed "poor" in 2018 by
						DCR. The high hazard potentia
11						earthen dam is located along
						Chuckatuck Creek and has a
	Work with the owner to rehabilitate					drainage area of 6.87 square
	Godwin's Millpond Dam.	High	Fire & Rescue	3 to 5 years	New	miles.

#	Hampton Mitigation Action	Priority	Lead Agency	Implementation Schedule	2021 Status	Notes
1	Maintain participation in National Flood Insurance Program and Community Rating System, with goal of obtaining Class 6 CRS rating. Continue enforcement of standards in existing ordinance that meet and exceed NFIP minimum requirements.		Emergency Management, Public Works and Community Development	Annually	Retain with minor modifications	
2	Acquire, elevate, relocate, retrofit or floodproof structures in flood prone areas. This action includes acquisition/demolition of repetitive and severe repetitive losses from trustee sales/tax sales.	High	Emergency Management, Community Development, Treasurer's Office	Ongoing	Retained and combined with old #4	
3	Provide flood, wind and heat protection and dry access/egress for critical facilities. Retrofits may include, but are not limited to: elevate and harden communication sites, provide generator backup or prewire evacuation shelters for quick hook-ups, and upgrade sewer pump stations.	High	Emergency Management, Public Works, Hampton City Schools	Ongoing	Retain with minor modifications	New 911/EOC is nearing construction out of the SFHA, on Big Bethel Road.
4	Purchase property from trustee sales/tax- sales that are identified as repetitive loss or severe repetitive loss. Demolish flood-prone- structures. This action includes Mitigation- Reconstruction projects.	Moderate	<del>Community-</del> <del>Development,-</del> <del>Treasurer's Office</del>	<del>Two years</del>	Deleted; see new #2	
5	Implement ordinance to create and enforce no wake zones in flooded areas.	High	City Attorney's Office, Police Division	Hampton successfully- lobbied for a bill- allowing Virginia- municipalities to adopt- such an ordinance- during 2016 Virginia- General Assembly- session. Ordinance- under consideration- immediately.	Deleted	Complete; ordinance, signage and enforcement procedures in place.

#	Hampton Mitigation Action	Priority	Lead Agency	Implementation Schedule	2021 Status	Notes
4	Adopt and implement holistic water plans to mitigate flooding on a watershed level.	High	Community Development, Public Works	Ongoing; planning complete in approximately 5 years	Retain with minor modifications	<i>Living with Water</i> plan established citywide approach. Several plans complete, with additional plans underway.
5	Maximize use of social media before, during and after hazard events.	High	Marketing Department, Emergency Management	Ongoing	Retain with minor modifications	In 2021, Hampton won an award for Top 10 Digital City for its size range. Efforts to reach a broad group of citizens are working and should continue.
6	Develop a Resilient Hampton Education Plan, which may include a CRS Plan for Public Information. Prepare public outreach materials and conduct outreach to educate elected officials and residents on methods of mitigating flood damage, the importance of maintaining flood insurance coverage, the City's floodplain management efforts, and the benefits of the City's CRS participation. Expand capacity building and training for various groups and neighborhood-serving organizations to include communication about mitigation, building code requirements, and response.	High	Emergency Management and Community Development, Marketing, Public Works	Ongoing; incorporate into upcoming Resilient Hampton education plan	Retain with minor modifications; combined with old #13.	
7	Improve stormwater management capacity of existing system, to include improving drainage system maintenance using increased sediment and debris clearance, and ongoing analysis of the current system's status of functionality.	High	Public Works Engineering	Ongoing	Retain with minor modifications	
8	Coordinate with owners of post-FIRM structures that are NFIP "minus-rated" to help property owners determine reason for rating and implementing solutions. Identify funding sources to help identify and fund retrofits.	High	Community Development, Emergency Management, Public Works	Within 2 years of plan adoption	Retain with minor modifications	

#	Hampton Mitigation Action	Priority	Lead Agency	Implementation Schedule	2021 Status	Notes
9	Conduct repetitive loss area analyses of repetitive flood loss areas, partnering with HRPDC and VDEM where relevant. Include outreach to homeowners regarding potential mitigation options.	High	Community Development, Public Works/Engineering and Emergency Management	Ongoing	Retain	
10	Continue to build resiliency into the city's approach to social, economic and physical challenges. Incorporate resilience strategies into City plans (community plan, capital improvement plan, master plans, etc.). Develop a tool to evaluate how City decisions align with resiliency goals.	High	City Manager's Office and Community Development Resiliency Officer	Ongoing	Retain with minor modifications	Resiliency Officer position created and filled.
11	Prepare public outreach materials. Educate- elected officials and residents on the- importance of the NFIP and the City's- floodplain management efforts, maintaining- flood insurance coverage, the benefits of City's CRS participation, and methods for- mitigating flood damage.	High	<del>Emergency-</del> <del>Management</del>	Continuous	Combined with new #6	
11	Maintain storm-resistant public beaches.	Moderate	Public Works	Ongoing	Retain with minor modifications	
<del>12</del>	Implement warning system for coastal- storms	Moderate	<del>Emergency-</del> <del>Management</del>	Three years	Delete	This action was completed.
12	Ensure safe ramp access is provided for rapid extraction of City-owned boats prior to Tropical/Coastal storm.	High	Emergency Management	Ongoing	New	
13	Develop, finalize and implement Disaster Recovery Plan.	High	Emergency Management, Community Development	Ongoing with plan expected to be finalized in 2022 or 2023.	New	
14	Develop a plan to collect surveyed high water mark data following flood events.	Low	Public Works, Emergency Management	Set up post-disaster contract within 2 years of plan adoption	New	

#	Hampton Mitigation Action	Priority	Lead Agency	Implementation Schedule	2021 Status	Notes
15	Provide business resiliency planning services to the City's business owners, particularly Virginia Department of Minority Business Enterprise (DMBE)-certified SWaM businesses that may have access to fewer resources than larger establishments. Workshops and outreach would identify businesses interested in further planning, with more detailed assistance then provided to assist businesses with details regarding risk and vulnerability assessment, preparedness, continuity of operations planning and adaptation/recovery. Help businesses identify specific mitigation projects and sources of funding to reduce vulnerability and increase resiliency.	Moderate	Economic Development, CCRFR	within 3 years of plan adoption	New	The CCRFR has prepared the Coastal Virginia Small Business Self- Assessment and Guide available at: https://www.floodingresiliency.org/co astal-virginia-small-business- resilience-self-assessment-and- guide/ which could be useful for beginning this action.
16	Implement structural and nature-based flood control projects in flood prone areas, such as tide gates, berms, constructed wetlands, roadway elevations, etc. This action includes projects identified by the <i>Resilient Hampton</i> Initiative plans.	Moderate	Emergency Management, Community Development, Treasurer's Office	Ongoing	New	

#	Virginia Beach Mitigation Action	Priority	Lead Agency	Implementation Schedule	2021 Status	Notes
1	Relocate the ComIT Data Center.	High	ComIT	Within 1.5 years	2021: Retained - Might be completed close to when plan adoption is complete. If so, would be deleted.	Building 2 construction is in progress. The COMIT Data Center is relocating from the basement of Building 2 to the third floor of Building 2. This work is part of the Building 1, 2 & 11 Phase I Renovation which began in February 2021. The third floor and IT pathways are estimated to be completed in the first quarter of calendar year 2022. Installation and turn up of IT equiment is estimated to be completed by the third quarter of calendar year 2022 or sooner if possible.
2	Strengthen the City's Floodplain Management Program with the following actions:	High	Planning and Public Works	Within 4 years	Retained with minor modifications.	
	1) Continue participating in the National Flood Insurance Program. Continue enforcement of standards in existing floodplain management ordinance that meet and exceed NFIP minimum requirements;				Retained	Ongoing
	2) Incorporate floodplain management tools/regulations into existing development review procedures;				Retained	Ongoing
	<ol> <li>Continue participation in the Community Rating System in order to reduce property owner premiums for flood insurance;</li> </ol>				Retained	The City officially entered the CRS program as a Class 7 on May 1, 2019.

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#	Virginia Beach Mitigation Action	Priority	Lead Agency	Schedule	2021 Status	Notes
	4) Provide specialized training and support Certified Floodplain Manager (CFM) certification for floodplain plan reviewers, inspectors and permit processors;				Retained	There are currently 8 CFMs within the Planning and Community Development Department and 3 CFMs employed within other City departments. Additonally, one of our CFMs serve as a board member of the Virginia Floodplain Management Association. In August, The Planning and Community Development Department sent 5,000 annual NFIP letters to homeowners near and within proned repetitive flooding areas.
	5) Prepare educational materials in the permit office on the value of flood insurance, freeboard and NFIP compliance; and,				Retained	Annual floodplain and flood insurance information is available in the permits office as well as numerous other public offices.
	6) Participate in the Severe Repetitive Loss program to mitigate flood-prone structures.				Retained	The Office of Emergency Management applies for and manages elevation and acquisition projects for the severe repetitive loss program and continues to identify structures for future mitigation. Currently, OEM is performing elevations of 2 FEMA grants and acquisitons on 1 FEMA grant. An elevation grant submitted for FY2019 was identified for further review with FEMA in 2020.
	7) Consider changes to floodplain management ordinance to regulate repetitive flood losses and increase ICC availability, limited the size of enclosures beneath elevated structures in coastal high hazard areas, and regulate Coastal A Zones to Zone V standards.				New	

#	Virginia Beach Mitigation Action	Priority	Lead Agency	Implementation Schedule	2021 Status	Notes
3	Create coalition of business owners, including some who have implemented mitigation actions in the past, to promote the value of hazard protection and help identify and implement retrofit/elevation/acquisition projects in the business community.	Low	Emergency Management	Within 5 years	Retained	Two members of the Virginia Beach Emergency Management Office participated in the RES Home Raising Academy. Various sectors participated in the Home Raising Academy including local government, construction, and real estate. The training curriculum included an introduction to the National Flood Insurance Program, Flood Maps, Elevation Certificates, Outreach, Proactive Selling, Financing & Insurance, and Home Elevation.

#	Virginia Beach Mitigation Action	Priority	Lead Agency	Implementation Schedule	2021 Status	Notes
4	Virginia Beach Mitigation Action         Better define what is considered a critical facility and update the City's critical facility list annually. Provide emergency power to critical infrastructure, critical facilities, pump stations and critical roadway intersections during extended power outages.         Emergency power and quick connect wiring is needed for critical intersections.         Generator capability is needed at multiple school facilities used as shelters.	High	Public Utilities, Public Works, Sheriff, Emergency Management	Ongoing	Retained with modifications.	Generator projects at the Central Plant and EMS Headquarters have been completed. Central Plant Generator- \$5.3 million project cost. Work substantially completed June 23, 2021. This included the instillation of 2 (n+1) generators for 100% back-up power of the Municipal Center central heat/cooling plant. This will enable uninterrupted heat and air conditioning to be provided to City Hall, Operations Buildings, School Administration Building, the Police Department (VB Police Head Quarters and 1st Precinct), the Correctional Center, and the Juvenile Detention Center. EMS HQ Generator- \$472,000 project cost. Work substantially completed July 13, 2020. The project provided for whole building backup/generator power at the EMS Headquarters Building located at 4160 Virginia Beach Boulevard.
5	Design or Retrofit public safety facilities vulnerable to wind damage and/or flooding.	High	Public Works and Public Safety Departments	Long-term, over a 15- year period	Retained.	Older public safety facilities are incorporating retrofits as repairs are scheduled. New facilities are built to current standards with freeboard making them more resistant to flooding. All are desinged to sustain up to 117mph winds.

				Implementation		
#	Virginia Beach Mitigation Action	Priority	Lead Agency	Schedule	2021 Status	Notes
6	Provide educational outreach to residents to increase awareness of vulnerability to multiple hazards and preventative actions that can be taken. Focus on hurricane preparedness, sea level rise and flooding.	Moderate	Emergency Management and Communications	Within 2 years	Retained	Ongoing. The Office of Emergency Management as well as many other city departments participate in numerous outreach events each year as well as provide presentations for civic leagues and civic organizations on the topics of hurricane preparedness, flood preparedness, etc. Several of these efforts were put on hold over the past year due to the coronavirus pandemic. The City did hold CERT training in September 2020.
7	Replace, as necessary, and maintain the existing regional interoperable communications system.	High	ComIT	Ongoing	Retained	The same operational processes are beign utilized and there has been no change since the last update
8	maintenance of the Hurricane Protection Project and other maintained beaches within the city.	High	Public Works	Ongoing	Retained.	The City's beach restoration program is currently focused in six key areas: Ocean Park Beach Restoration, Cape Henry Beach Restoration, Resort Beach, Sandbridge Beach, and Croatan Beach.
9	Maintain a dam inventory and monitor the conditons of dams within the City making improvements when needed. Develop a dam safety plan to address protection, preparedness, response, and rebuilding for high hazard dams and areas in dam inundation zones.	Moderate	Public Works and Public Utilities	Ongoing	Updated- added maintain a dam inventory, monitor conditions, and the importance of improvements.	Public Works Operations continues to maintain an inventory of dams, monitor conditions, and provide maintenance when needed.

#	Virginia Beach Mitigation Action	Priority	Lead Agency	Implementation Schedule	2021 Status	Notes
<del>10</del>	Install mast arm supports with mechanical- dampening systems for traffic signs and- signals.	High	<del>Public Works</del>	Ongoing	Delete	Mechanical dampening systems are no longer used by the City. The last signal where dampeners were installed was on the Dam Neck Road/Harpers Road intersection. Current design standards increase pole rigidity and load distribution so that mechanical dampers are no longer needed. This technique was most recently completed at the signal near Sandbridge Road and Heritage Park.

	Implementation								
#	Virginia Beach Mitigation Action	Priority	Lead Agency	Schedule	2021 Status	Notes			
10	Improve and/or update alert, warning and notification capabilities. Potental capabilites incude: 1) utilizing the City's CRM registration portal and additonal support services; 2) Maintenance and addition of sensor installations for data collection as part of the VB StormSense Network to enhance Alexa voice assisted AI and intelligent predictive visualization platform.	Moderate	Emergency Management, IT, Communications	Improvements within 4 years; Ongoing Warning and Notification	Retained with modifications.	In 2019, the City entered into a partnership with WAZE for traffic notification to citizens for road closures due to natural hazards. In 2022 Google/Waze is planning to provide technical capabilities for CVB and partners to implement communication of safety message templates to drivers that use Waze app within a partners geographical boundary. Messages will appear in language that user sets Waze app to. Qualified partners, such as CVB, may select one safety message to post quarterly in a partner's geographical area. Message will appear in app when vehicle is stopped and automatically disappears with first movement of vehicle. Waze users may see message twice per quarter. Waze will share number of impressions made from campaign on monthly basis. City obtained RAVE alerting system in 2019 which has ability to create Smart 911 profile for a calller. City is training staff on RAVE alerting system and drafting updated public alert and warning notificaton plan.			

#	Virginia Reach Mitigation Action	Driority		Implementation	2021 Status	Notoo
11	Retrofit existing stormwater management system throughout the City into state- of-the- art facilities to minimize flooding after heavy storms while also addressing water quality objectives.	Moderate	Public Works	Ongoing	Retained with minor modifications.	Notes The City currently has 36 active projects and programs in the Flood Control Section of the Stormwater Capital Improvement Program (CIP). Over the last year, the City commenced or completed actual stormwater and drainage improvement projects in 8 neighborhoods to retrofit aging undersized infrastructure and/or based on analysis by city-wide master stormwater modeling in certain watersheds. Capital improvement program projects associated with these neighborhoods include: - Aragona Drainage Improvements - Ashville Park Drainage Improvements - Chubb Lake/Bradford Lake - College Park and Level Green Drainage Improvements - Eastern Shore Drive Drainage - Southern Canal/Lead Ditch - Windsor Woods Drainage

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#	Virginia Beach Mitigation Action	Priority	Lead Agency	Schedule	2021 Status	Notes
12	Mitigate incursion of storm surge and tidal inundation of low-lying areas. Investigate coastal barrier technologies and tidal stream diversion techniques.	Moderate	Public Works	Ongoing and long-term	Retained	The City of Virginia Beach is developing plans to address both repetitive flooding and projected increases in flooding caused by sea level rise through the City's Comprehensive Sea Level Rise and Recurrent Flooding Response Plan. The plan is an effort between local government and various stakeholders (corporate and individual) to collect, sort, interpret, and understand the data behind how sea level rise is affecting our City and how we should best respond.
13	Elevate, acquire, relocate or retrofit structures in flood prone areas that have suffered repetitive flood damage. This action includes Mitigation Reconstruction projects.	High	Planning, Emergency Management	Within 5 years	modifications.	16 residences were in the process of being elevated with FMA funding. Additionally, there are 6 residences awaiting to be elevated contingent on a FY19 FMA grant award.

#	Virginia Beach Mitigation Action	Priority	Lead Agency	Implementation Schedule	2021 Status	Notes
14	Acquire open space in strategic locations that can provide management benefits for multiple mitigation objectives. Objectives may include but are not limited to: flood control, water quality, public access to waterways, preserving or creating tree canopy, and preserving unique ecological and cultural heritage sites. Incorporation of the Parcel Level Mitigation Program for these projects.	Moderate	Agriculture; Parks and Recreation; Public Works; Emergency Management	Long-term, 5 to 10 years	Retained with minor modifications.	Agriculture Reserve Program continues to assist AG farmers/landowners with option of preserving AG land vs selling off for development options. During 2021 there were 379.58 acres added to program, including acquiring 22 development rights on a total of 6 parcels in southern watersheds. There is now cumulative total of 10,366.31 acres and 895 development rights captured in Agricultural Reserve Program. Recent changes to the City's ARP ordinance allow Virginia Beach to target other sensitive and valuable farmland for not only agriculture and forest land protection but also other valuable green infrastructure functions. P& R- No new land acquisition of open space has occurred. The city is attempting to acquire a small piece of non-developable property from a shopping center owner to create water access for a kayak launch as well as provide for bank stabilization and outfall for new stormwater quality facility in the Kempsville section of the city. The 2019 FMA Acquisition grant application included 3 properties that will be demolished and returned to open space, incorporated into an existing city park. Grant was awarded in October 2020 and acquisition project initiated shortly after.
15	Verify the geographic location of each NFIP repetitive loss property, and determine if that property has been mitigated and, if so, by what means. Prepare Repetitive Loss Area Analyses for CRS credit.	High	Emergency Management	Ongoing		Through the CRS process each rep loss property was mapped and evaluated for mitigation in 2018.

#	Virginia Beach Mitigation Action	Priority	Lead Agency	Implementation Schedule	2021 Status	Notes
	Develop a local hurricane evacuation framework/plan and identify communication networks for evacuation messaging.	High	Emergency Management, Communications Office	within 2 years of plan adoption	New	
17	Promote and sustain local programs such as the Parcel Level Mitigation Program (PLMP) to provide flood protective actions such as acquisiton, flood vents, relocating utilities, elevation etc. to vulnerable flood areas. Utilize grant funding to expand capabilities of PLMP when appropriate and elligible.	Moderate	Emergency Management	Within 5 years	New	
	Monitor and enhance the City's cybersecurity capabilities to protect the City from cybersecurity threats especially during or immediately after a disaster or emergency.	Moderate	IT (Cybersecurity)	Ongoing	New	
19	Facilitate discussions with agencies responsible for providing local transportation to encourage them to evaluate, improve, and/or establish local and regional transportation plans to address the transportation needs of vulnerable populations such as the elderly, college and university students, those with disabilities, visitors, etc. in the event of an evacuation.	Moderate	Planning (Transportation) and Emergency Management	Within 5 years	New	
	Review all City rules, regulations, policies, procedures, ordinances and plans to ensure a consistent approach that aligns with hazard mitigation goals, objectives and actions.	Moderate	Planning, Emergency Management	Ongoing	New	
21	Implement the action items and projects outlined in Sea Level Wise, particularly the following high priority items:	High	Planning, Emergency Management, Public Works	Within 4 years	New	
	1) identify regional flood risk reduction projects that could be pursued with neighboring jurisdictions, such as the City of Norfolk;					

	Implementation						
#	Virginia Beach Mitigation Action	Priority	Lead Agency	Schedule	2021 Status	Notes	
	2) increase freeboard to 3 feet or to a future design flood elevation;						
	3) require mechanical and electrical systems to be elevated to design flood elevation (with freeboard);						
	4) expand height allowance for buildings outside the SFHA, where property owners want to elevated structures to reduce flood risk;						
	5) (paraphrased and combined) include sea level rise and future flooding considerations in designing adequate drainage controls, and in development of subdivision/site plans; and,						
	6) develop informational materials on how to renovate historic properties to enhance flood resilience consistent with historic preservation requirements.						

#	Chesapeake Mitigation Action	Priority	Lead Agency	Implementation Schedule	2021 Status	Notes
1	Maintain participation in National Flood Insurance Program and Community Rating System. Continue enforcement of standards in existing ordinance that meet and exceed NFIP minimum requirements. Consider updates to 2013 floodplain management ordinance to include protection of areas outside the current SFHA subject to future flooding as sea level rises, and additional restrictions on rehabilitation of existing structures in the SFHA such as freeboard and substantial damage requirements.	High	Emergency Management	Annually	Retain with minor modifications.	Completed and ongoing; completed the 2020 Verification Visit, and currently completing 2021 recertification. Chesapeake moved from a Class 8 to a Class 7 after the Verification Visit.
2	Acquire, elevate, relocate, retrofit or floodproof structures in flood prone areas. Flood protection may include minor localized flood reduction projects, as well. This action includes Mitigation Reconstruction projects.	High	Emergency Management	ongoing	Retain with minor modifications.	The City of Chesapeake Office of Emergency Management continues to apply for grants for Acquisitions. 5 of the 7 applications are being processed from the 2018 FMA Grant. 2 applications were submitted for houses in 2019 and 3 applications were submitted for houses in 2020. Additionally, stormwater flood protection reduction projects are scheduled for numerous subdivisions in the SFHA.
3	Conduct detailed vulnerability review: cross reference locations of existing manufactured homes and manufactured home parks relative to repetitive flood loss areas and new FEMA 100-year floodplains. Review their vulnerability to flood and wind hazards. Implement measures to retrofit, relocate, or acquire vulnerable units. This action may include Mitigation Reconstruction projects.	Moderate	Emergency Management, with support from GIS and Engineering Division	within 2 years of plan adoption	Retain with minor modifications.	Procedures are in place for protecting new manufactured homes in SFHA; this action addresses existing structures.
4	Protect critical facilities from damage. Measures may include installation of emergency backup power, elevation of structure or components, relocation or retrofit of building components.	Moderate	Emergency Management, with GIS and Public Works Engineering Division	Ongoing	Retain with modifications to reflect progress made	New Public Safety building/EOC can withstand Category 3 hurricane or earthquake and has multiple redundancy infrastructure built into the building. All community centers and conference center outfitted with generators. The city has also completed the work on two new Fire Stations, Sta #10 in Bowers Hill & Sta #7 in Southern Chesapeake. Sta #10 serves both as a Fire Station and Logics Center for the department, increasing the city's ability to prepare, respond and mitigate following a disaster. Sta #7 is dual use facility, as a Fire Station and a newly added Police Precinct.

#	Chesapeake Mitigation Action	Priority	Lead Agency	Implementation Schedule	2021 Status	Notes
5	Flow test and inspect existing City-owned and grant-funded dry hydrants annually to help maintain operability.	High	Fire Department	Ongoing per annual maintenance schedule	Retain	Continues on a regular, annual maintenance schedule. This project is overseen by a Captain in the Fire Department who is assisted by a Supervisor in Public Utilities. Hydrants are regular schedule of maintenance and testing. This is not only done for operational purposes, but for training purposes of field forces, especially new recruits in the field.
6	Seek and use additional revenue sources and local matching funds for mitigation planning and projects.	Moderate	Emergency Management	ongoing		Chesapeake has attained and continues to apply for FEMA grants for acquiring repetitive flood loss homes and has committed Capital Improvement Funds to mitigate flooding. Chesapeake has applied for PDM funds for mitigation purposes to install generators at Public Utilities Pump Stations. These generators will ensure there is not flooding due to lack of power to pump water. The city also it uses its emergency management grant funds to enhance its Alert and Everbridge system to warn citizens of flooding issues, along with other potential disasters that may occur.
7	Continue to implement a Pre-Disaster Homeowner Tree Preventive Maintenance and Hazard Awareness Program.	Moderate	Parks and Recreation Department, Emergency Management, Development and Permits	ongoing	Retain with minor modifications to reflect progress made.	City to hire Urban Forester/City Arborist in 2022. Messaging has gone out to homeowners regarding what to do following a storm on how to care for damaged trees. Public Communications routinely sends messaging regarding pre-storm maintenance. City works with Garden Clubs and the VT Cooperative Extension to craft and disseminate important information.
8	Improve stormwater management infrastructure. Implement preventive maintenance schedule and system upgrades. Projects typically include replacement and upgrade of existing facilities, enlarging pipes/ ditches to provide for increased capacity and construction of stormwater management facilities/BMPs to provide flood control and water quality compliance. Provide replacement schedule for stormwater management and inspection equipment and vehicles, including purchases of plows for new trucks to assist with dual purpose of snow removal.	High	Public Works	ongoing	Retain with minor modifications to reflect progress made.	Public Works/Engineering has a Master Drainage Plan that identifies all watersheds and completed watershed studies identifying the system deficiencies and required improvements. The department maintains a list of all funded and unfunded projects The unfunded projects list is reviewed and updated on regular basis to ensure that flooding and poor drainage areas citywide are addressed and funding is directed to the highest priorities. Public Works /Operations schedules and provides for regular maintenance and repairs to ensure the existing stormwater system is functioning as intended.

#	Implementation Chesapeake Mitigation Action Priority Lead Agency Schedule 2021 Status Notes									
	Chesapeake Miligation Action	Phority	Lead Agency	Schedule	2021 Status	NOLES				
9	Part I. Maximize training and educational opportunities for NEMAC, City staff, elected officials, CERT members and citizen/neighborhood/civic league leaders regarding hazard mitigation, disaster preparedness and the relationship of mitigation to reduced recovery needs. Use modern social media forums such as NextDoor. Provide samples of retrofitting tools and examples of products.	Moderate	Emergency Management	Ongoing as opportunities arise	Retain with minor modifications	City Staff in OEM and Development & Permits have taken classes on Floodplain Management. OEM staff have taken classes on CRS. OEM continues to oversee NEMAC. City CERT Coordinator continues to train citizens on Disaster Preparedness and being Response Ready. Citizens are taught how to mitigate before, during, and after a disaster, and not be a burden on emergency resources. The CERT Coordinator and members of CERT conduct outreach initiatives, and since COVID slowed down the ability for CERT to meet, members worked with various groups to provide online training on disaster preparedness.				
	Part II. Accommodate training and related support for at least two staff in the Department of Development and Permits to receive and maintain Certified Floodplain Manager (CFM) certification through the ASFPM.		Department of Development and Permits			Two Development & Permits personnel and two Office of Emergency Management personnel have attended EMI Floodplain Management Courses. D&P personnel will continue toward CFM certification. OEM and D&P personnel will continue to take classes in NFIP & CRS. OEM and D&P actively take part in CRS / Wetlands Watch Workgroup Meetings				
10	Conduct Hazardous Environmental Action Team (HEAT) program to oversee industrial facilities, particularly hazardous facilities, to discuss hazards and mitigation alternatives.	Low	Emergency Management	Ongoing	Retain with minor modifications	HEAT Team is tasked with preventing and investigating environmental crimes such as illegal dumping of chemicals and waste, illegal transportation and/or storage of hazmat, chemical releases into atmosphere and waterways, burial of hazmat, and failure to report chemical releases. Team members serve on LEPC and help review emergency plans, hazmat management plans, and TIER II reports that are submitted. Team works closely with Emergency Management Office, DEQ, EPA and USCG. Program reduces illegal handling, storage and discharge of hazmat. Members are committed to educating residents and businesses on negative impacts to the environment of illegal dumping and polluting.				
11	Support and maintain City's new Reverse- 911 system. Prepare messages to release to citizens before and after a natural hazard event.	High	Emergency Management	Ongoing	Retain	The City continues to subscribe to Everbridge (Chesapeake Alert) with enhanced features to allow additional public outreach. Messages have been developed and pre-approved for alerting citizens to potential flooding, and a weather alert component has been incorporated in partnership with NWS, Wakefield. OEM and 911 Dispatch have more trained IPAWS Users, which will allow the City to broadcast WEA messages should an incident occur and notifications are needed quickly.				
12	Prevent sanitary sewer inflows to the system during flood events. Smoke test public and private sanitary sewer infrastructure to determine priorities.	High	Public Utilities	Ongoing	Retain	Over 10% of the system is checked annually.				

#	Chesapeake Mitigation Action	Priority	Lead Agency	Implementation Schedule	2021 Status	Notes
13	Continue lease agreement and maintenance of facilities along the Dismal Swamp Canal Trail to accommodate recreational use of the floodplain.	High	Parks and Recreation	Ongoing	Retain	Trail improvements have been completed, including paved parking areas and two separate restroom facilities. Trail was recently fully repaved in 2020. The City continues to lease and maintain facilities adjacent to and on the Dismal Swamp Canal Trail.
14	Continue outreach efforts through a strategically-developed plan to inform and educate citizens before, during and after disasters. Develop pre-approved letters and notification system for structure significantly damaged after any disaster, particularly flood-prone structures with stringent repair requirements.	High	Emergency Management (lead)	Ongoing	Retain with modifications to reflect progress made	The departments of Public Communications, IT, OEM, Police, and Fire still meet as a Workgroup that focuses on messaging to the citizens and public before, during, and after a disaster.
15	Acquire open space in strategic locations that can provide multi-objective management benefits. Objectives may include but are not limited to: flood control, water quality, public access to waterways, preserving or creating tree canopy, and preserving unique ecological and cultural heritage sites. Acquire repetitive flood loss properties up for sale for via trustee sale.	Moderate	Planning & Development; Parks, Recreation and Tourism	Long-term, 5 to 10 years	Retain with minor modifications	Since 2017, the City has acquired Cornland School, a cultural heritage site, and completed task of moving it out of flood-prone location, and is in the process of elevating the school. City is acquiring Newton Neck parcel adjacent to Dominion Boulevard Veterans Bridge and putting it under conservation easement. The park site is adjacent to many flood-prone neighborhoods. Future park design will include flood prevention measures. Parks, Recreation and Tourism is acquiring several FEMA properties, including adjacent to Costa Avenue. Design for Blue Heron Landing Park in Indian River planning area is complete. New design boasts significantly more pervious area than before, along with a significant increase of trees, shrubs, and improved landscaping.

#	Chesapeake Mitigation Action	Priority	Lead Agency	Implementation Schedule	2021 Status	Notes
16	Identify, create database, and plan uses for data regarding vulnerable populations. Uses may include targeted outreach, emergency notification and specialized evacuation planning. Study high social vulnerability repetitive flood loss areas to identify opportunities to support property owners and renters with recommended property-specific flood damage reduction tools and methods.	Moderate	Emergency Management (lead), Public Communications	Ongoing	Retain	City continues to work with state Shelter Coordinator to update databases of those with functional needs. The City now has a MIH (Mobile Integrated Health Coordinator), who is also creating a database of vulnerable populations. MIH Team regularly checks on citizens that have medical issues but do not need constant medical oversight. City has databases of those in modular home parks, in high risk areas near chemical facilities, and in repetitive flood areas. These groups can easily be notified using Everbridge should an incident occur. Messaging can also be sent should general information need to go out to the public in these areas.

#	Isle of Wight Mitigation Action	Priority	Lead Agency	Implementation Schedule	2021 Status	Notes
1	Acquire, elevate, relocate or retrofit structures in coastal high hazard areas and other flood prone areas that have suffered repetitive flood damage. This action includes Mitigation Reconstruction projects.	High	Planning and Zoning	Ongoing	Retain	County has ongoing process to assess needs.
2	Strengthen floodplain management program through the following: 1) Continue participation in the National Flood Insurance Program and the Community Rating System; 2) Conduct annual outreach to flood prone property owners; 3) Guide new development away from flood hazard areas; and 4) Require new development in Coastal A Zones to meet Zone V standards for design and construction.	Moderate	Planning and Zoning	Ongoing	Retain with minor modifications	
3	Place the utility power lines, cable and telephone lines to County/Town Facilities and Emorgency Shelters underground.	Low	<del>Emergency-</del> <del>Management and Public Works</del>	<del>Ongoing</del>	Delete	Substantially complete
4	Implement four phase strategy to guide- development in areas most vulnerable to sea- level rise:	Moderate	Planning and Zoning, County Administration, Economic- Development	Within 15 years	Delete	Substantially complete, although not exactly as outlined in previous mitigation action
	Create, adopt and distribute zoning maps- identifying coastal and shoreline areas most- vulnerable to sea level rise;					
	Identify and protect valued ecosystem- features through zoning, subdivision- regulations or other existing regulatory tools- (e.g., shoreline setbacks, living shorelines, beach nourishment, erosion control);					

#	Isle of Wight Mitigation Action	Priority	Lead Agency	Implementation Schedule	2021 Status	Notes
	Adopt policies that encourage development- investment <i>outside</i> of the most vulnerable- areas ( <i>e.g.</i> , tax incentives, fee waivers, County/State/Federal funds for roads, redevelopment or economic development, relocation assistance/planning); and					
	Begin to armor existing development where- relocation is not feasible (e.g., elevation of- new bridges, structural flood protection, tide- gates).					
3	Develop and implement a stormwater drainage plan to address issues in flood- prone areas; prioritize and implement plan recommendations.	High	Utility Services	Ongoing	Retained with minor modifications	
4	Implement countywide Transportation Plan adopted in 2010 as part of the County Comprehensive Plan; include coordination with the Virginia Department of Transportation to address safety along all evacuation routes, including culvert redesigns and other installations to alleviate flooding.	High	Planning and Public Works/Utility Services	Ongoing	Retained with minor modifications	
5	Replace, as necessary, and maintain the existing regional interoperable communications system.	High	Emergency Services	Within one year of mitigation plan adoption	Retain	Replacement of system is necessary and scheduled for the near future.
6	Verify the geographic location of each NFIP repetitive loss property, and determine if that property has been mitigated and, if so, by what means.	High	Planning and Zoning	Within 2 years of plan adoption and in conjunction with CRS initial application	Retain	
7	Identify and address multiple hazards along high traffic evacuation routes throughout the county, to include removal of utility poles and burying utility lines	High	Public Works	Ongoing	Retain	New development is required to have underground power lines. VDOT maintains road ROWs and regularly conducts tree trimming.
8	Continue use of social media before, during and after hazard events.	Moderate	Public Information	Ongoing	Retain	
<del>9</del>	Strengthen GIS digital mapping program.	Moderate	Ħ	<del>Ongoing</del>	Delete	Complete

#	Isle of Wight Mitigation Action	Priority	Lead Agency	Implementation Schedule	2021 Status	Notes
<del>10</del>	Protect critical facilities, including shelters. Protection measures may include emergency generators or other power sources, wind or flood retrofits, elevation, relocation, or- reconstruction. This action includes- Mitigation Reconstruction projects.	High	<del>Emergency-</del> <del>Management and- Public Works</del>	<del>Continuing</del>	Delete	Complete; structures are protected
11	Conduct annual meetings with VDOT and- utilities to identify hazard areas and potential projects to mitigate those areas.	High	Public Works	Annually	Delete	similar to other actions involving VDOT
9	Obtain StormReady designation through NOAA.	Moderate	Emergency Management	Ongoing	Retain	
10	Develop a post-disaster continuity of operations plan to assist in more rapid recovery after a disaster.		Emergency Management, Planning, Permits & Inspections, Engineering, Public Works	Within 2 years	Retain	The County has made progress refining procedures, but there is more work to do to finalize the plan.
11	Formalize a Green Infrastructure Network Plan to preserve the County's large undisturbed forests, preserve scenic landscapes, provide habitat, reduce stormwater runoff, maintain air quality and moderate temperature. Include a riparian buffer protection strategy for those areas in the Blackwater River Watershed which are not protected by CBPA.	N/Inderate	Community Development	Within 2 years	New	These actions are also in the County's Comprehensive Plan.

#	Smithfield Mitigation Action	Priority	Lead Agency	Implementation Schedule	2021 Status	Notes
1	(CFM) through the Association of State Floodplain Managers (ASFPM).	Moderate	Planning and Engineering	Within 2 years	Retain	
2	Review information required on the Zoning Permit Application to ensure continued compliance with the NFIP.	High	Planning and Engineering	Within 2 years	Retain	
3	Identify strategic locations throughout town to remove utility poles and bury utility lines.	High	Public Works	Long-term, over a 10- year period	Retain	
4	Verify the geographic location of each NFIP repetitive loss property, and determine if that property has been mitigated and, if so, by what means.	High	Planning and Zoning	Ongoing	Retain	
5	Waterworks Dam/Smithfield Lake - Examine options to either bring dam into compliance with state regulations at a cost of more than \$1.5 million, or decommission dam which may cost less, or as much as two times that, depending on the type of environmental restoration chosen for the lakebed.	High	Town Engineer	Within 2 years	Retain with major modifications	In 2010, heavy rains weakened the structure. Repair project was put out for bids in October 2017. In 2020, the town was informed they needed to repair the dam to get another operating permit.
6	Increase fuel storage at reverse osmosis water plant, allowing for extended operations during emergency situations.	High	Plant Manager	3 to 5 years	Retain	
7	Purchase variable message roadway signs, primarily for traffic control during flood events.	High	Town Engineer	Purchase 1 sign per year for the next 5 years	Retain	
8	Change generators at critical facilities from diesel to natural gas.	High	Public Works	Begin work immediately, starting with the oldest and most critical systems	Retain	

#	Windsor Mitigation Action	Priority	Lead Agency	Implementation Schedule	2021 Status	Notes
1	Provide training for members of Town staff to become a Certified Floodplain Manager (CFM) through the Association of State Floodplain Managers (ASFPM).		Planning and Zoning	Within 2 years	Retain	
2	Review information required on the Zoning Permit Application to ensure continued compliance with the NFIP.	High	Town Manager	Within 2 years	Retain	
3	Install emergency backup power generator- for the Windsor Police Department.	High	0,	Install generator before the end of FY 16/17.	Deleted; action complete	

#	Franklin Mitigation Action	Priority	Lead Agency	Implementation Schedule	2021 Status	Notes
1	Use existing stormwater and drainage studies to prioritize and implement recommended improvements. Evaluate use of stormwater fee to fund future projects.	High	Public Works	Within 2 to 3 years	Retain with minor modifications	partial progress, but project is ongoing
2	Maintain participation in the Community Rating System (CRS) and explore options for improving rating (currently a Class 9).	High	Community Development	Within 1 to 2 years	Retain with minor modifications	
	Compile elevation and flood damage data, including but not limited to:	High	Fire and Rescue, Department of Tourism, Community Development	Ongoing	Retain with major modifications	new gage installed in historic area about 5 years ago
	1) Ensure all flood-prone businesses have based flood elevations posted inside;					
	<ol> <li>Link gage data and high water mark data in a digital environment to facilitate evacuation, notification and other community flood awareness elements;</li> </ol>					
	<ol> <li>Continue to participate in the river gaging program (entered 5 year contract in 2020);</li> </ol>					
	4) Maintain completed FEMA Elevation Certificates in a publicly-accessible format.					

#	Franklin Mitigation Action	Priority	Lead Agency	Implementation Schedule	2021 Status	Notes
4	Work with the Department of Tourism and property owners to identify and implement wet and dry floodproofing projects to protect structures from future flood events. Floodproofing projects should be viewed from a holistic perspective while considering available technology and the building's age. Current floodplain management ordinance regulates floodproofing and residential elevations. Identify projects by providing flood audits to business owners. Mitigation projects may include acquisition, elevation, mitigation reconstruction projects, and retrofitting.	High	Community Development	Within 2 years	Retain with minor modifications	No projects have been identified to date due to staff turnover and lack of funding.
5	Conduct community disaster awareness campaign through the City's email newsletter to interested citizens, social media platforms through City of Franklin, Franklin Fire & Rescue and Franklin Police pages, and the cable Public, Education and Government (PEG) Channel. Address mitigation actions for multiple hazards, including purchase of flood insurance.	High	Fire and Rescue, American Red Cross	Within one year.	Retain with minor modifications	
6	Increase protection and access/egress for critical facilities and infrastructure, primarily as a result of flooding. Elevate or floodproof new critical facilities; retrofit, relocate or repurpose existing facilities, or develop alternative options with close localities, and protect existing power line infrastructure. Mitigation projects may include acquisition, elevation, mitigation reconstruction projects, or retrofitting.	High	Fire Station – Franklin Fire & Rescue, Public Works, with Franklin Power & Light, and Dominion	Within 1 to 2 years	Retain with minor modifications	
7	Reduce the prevalence of hazardous trees by:	Low	Public Works tree trimming team	within 1 year	Retain with minor modifications	
	Conducting routine inspection and tree- trimming maintenance conducted by Public Works on a yearly basis; and					

#	Franklin Mitigation Action	Priority	Lead Agency	Implementation Schedule	2021 Status	Notes
	Coordinating with the Beautification Committee to prepare and distribute guidelines for property owners on how to properly care for aging trees, especially at the onset of hurricane season. Use PEG channel for distribution.					
8	Coordinate with CSX to regulate and manage the amount, types and times of hazardous materials transport through Franklin, and in preparing for potential hazardous material incidents.	High	Fire and Rescue	Ongoing	Retain with minor modifications	Currently, staff are working with CSX to determine what hazardous materials travel through Franklin.
9	Continue upgrades to the radio system to increase interoperability between departments and neighboring communities.	Moderate	Police; Fire and Rescue	within 2 to 3 years	Retain with minor modifications	Franklin is working on this action currently using ARPA funds. Goal is to connect departments on local and regional levels.
10	Expand offside capabilities to city departments and citizens. Install citywide wireless network that will allow users to have access to computer network in a mobile environment. Provide signage for residents/travelers on how to connect to network.	High	Police	within 2 years	Retain with minor modifications	
11	Upgrade existing GIS system to incorporate wetlands, NFIP flood maps and other risk information into the site plan review process for new development. Incorporate risk from tidal surge and rising sea levels on rivers and consider how floodplains will change over time.	Moderate	Community Development, Clerk's Office, Revenue Office	Immediately	Retain with minor modifications	Currently, staff are working with Clerk's Office, Revenue Office and GeoDecisions on overall GIS use/system. Currently have a wetlands test layer.
12	Help businesses develop multi-disaster recovery plans.	Moderate	Community Development, with Chamber of Commerce, Franklin Southampton Economic Development and Department of Tourism, HRPDC	Within 2 years	Retain	Staff are currently working with agencies and departments listed above to identify additional strategies and methods to include economic relief, recovery and incentives to bring in new businesses. Relocation of Community Development is also under consideration to provide continuity of permitting operations.

#	Franklin Mitigation Action	Priority	Lead Agency	Implementation Schedule	2021 Status	Notes
<del>13</del>	Continue evaluating local schools as- evacuation shelters and implement- recommended upgrades or retrofit projects.	<del>High</del>	<del>Fire &amp;</del> <del>Rescue/Community- Development</del>	Within 2 to 3 years	Delete	Project completed
<del>14</del>	Require, through job description or other- means, that additional staff member(s) of the Community Development Department- maintain Certified Floodplain Manager (CFM) designation.	High	<del>Community-</del> <del>Development</del>	<del>Ongoing</del>	Delete	Project completed
13	Identify and repair or demolish unsafe, unsanitary or hazardous housing and other structures, including those in repetitive flood loss areas. Mitigation projects may include acquisition, relocation, elevation, mitigation reconstruction projects, and/or retrofitting.	High	Community Development & Franklin Fire	Within 2 years		City is planning action in the near future using ARPA and CDBG funds.
14	Verify the geographic location of identified NFIP repetitive loss structures, and determine if those properties have been mitigated and, if so, by what means.	High	Planning	Ongoing	Retain	

#	Southampton County Mitigation Action	Priority	Lead Agency	Implementation Schedule	2021 Status	Notes
1	Protect existing and future critical facilities from damage due to flooding, tropical storm, earthquake and tornado. Projects may include: Identify suitable sites for new County Emergency Operations Center outside of the floodplain, or retrofit existing EOC. 1) Modify floodplain management ordinance to Rrequire new public safety buildings be located outside 500-year floodplain and that a detailed flood study be conducted to determine limits of the 100- and 500-year floodplains for proposed public safety buildings near approximate A Zone floodplain; 2) continue mapping water and sewer lines countywide, including the towns, in order to identify problems and retrofit/upgrade needs in order to protect utilities from damage and provide continuity of operations during disaster; 3) Retrofit new Sheriff's Office and EOC to protect from flooding, including access and egress; and 4) Ensure retrofitted Courthouse is protected from flooding.		County Administrator's Office	Within 3 years	Retained with minor modifications	Work is ongoing on critical facility retrofits.
2	Consider amendment to subdivision ordinance that requires solicitation to the Virginia Department of Forestry for wildfire mitigation comments on proposed major subdivisions in the County.	Low	Community Development	Within 5 years	Retained with minor modifications	
3	Protect repetitively flooded structures, including the County courthouse, from flood damage. Modifications could include floodproofing retrofits, elevation of structure and/or critical components, acquisition, relocation or repurposing the structure. This action includes Mitigation Reconstruction projects.	High	County Administrator's Office	Ongoing	Retain	

#	Southampton County Mitigation Action	Priority	Lead Agency	Implementation Schedule	2021 Status	Notes
4	Complete five remaining countywide drainage studies that prioritize drainage maintenance requirements and stormwater management projects to minimize flooding problems. Implement recommendations.	High	County Administrator's Office	Within 5 years of plan adoption	Retained with minor modifications	
5	Implement necessary shelter retrofits and improvements to Southampton County High- School.	high	County Administrator's- Office	Within 1 year	Delete	Project completed
5	Institute web-based educational program to provide multi-hazard structural protection techniques to property owners. Include information on responsible tree pruning.	High	Community Development	Within 1 year	Retained with minor modifications	
6	Verify the geographic location of all NFIP repetitive losses, and make inquiries as to whether the properties have been mitigated, and if so, by what means.	High	County Administrator's Officeommunity Development; HRPDC, VDEM	Ongoing	Retain	
7	Maintain Certified Floodplain Manager (CFM) certification and training for two County employees.	High	Department of Community Development	Ongoing	Retained with minor modifications	One employee has CFM; another employee is pursuing certification
8	Secure Memorandums of Understanding for- floodplain management between Franklin- Southampton Community Development- Department and towns-	High	Community Development staff, with Board of Supervisors and Town- Councils	Within 2 years of plan- adoption	Delete	The two communities no longer share services.
9	Provide necessary training and certification- to all Stormwater Management Program- staff.	High, required by <del>DEQ</del>	Community Development Department	Annually	Delete	Project completed
<del>10</del>	Put administrative procedures in place to- stringently enforce 18 inch freeboard- requirement for new and substantially- improved structures in the County's FEMA- designated Special Flood Hazard Areas.	High	Community- Development- Department	Upon adoption of- freeboard in each- community. County- adopted freeboard- December 21, 2015.	Delete	Project completed

#	Southampton County Mitigation Action	Priority	Lead Agency	Implementation Schedule	2021 Status	Notes
8	Enact tree preservation or landscape ordinance for new construction in all zoning designations.	Low	County Administrator/Public Works Department/Communit y Development Department	within 3 years of plan adoption	Retained with minor modifications	partially complete
9	Encourage Litter Control Council and citizen groups to become more involved in roadside clean-ups to keep roadside ditches clear of debris.	Low	Public Works (staff liaison to Litter Control Council)	Over the next 5 to 7 years	Retain	
10	Increase use of Reverse 911 by citizens. Registration for the service is required and is currently advertised primarily on county web site.	High	Sheriff's Office	Within 2 years of plan adoption	Retain	Sheriff's office has plans in place for advertisement.
11	Incorporate flood mitigation measures when- flood prone public buildings are undergoing- non-substantial renovations.	Moderate	County Administration, Board of Supervisors	Long term over the next 10 years	Delete	Project completed
11	Include hazard mitigation priorities in budget preparation discussions and other County functions, such as comprehensive land use planning.	High	Director/Coordinator of Emergency Management	Annually	Retained with minor modifications	County Comprehensive Plan is currently undergoing revision and hazard mitigation-related goals and objectives will be incorporated.
12	Implement drainage plan for Newsoms area. The plan was created through a DHCD grant that is currently funded and underway until early 2023. Seek additional funding sources.	High	Director/Coordinator of Emergency Management	Annually	Retained with minor modifications	Three more phases of the plan are anticipated.
13	Develop long-term housing plan, including consideration of adopting the Property Maintenance Section of the USBC to address existing housing deficiencies. Long- term plan should include housing for displaced populations in the incorporated and unincorporated parts of Southampton County in the event of a disaster.	High	Planning, Sheriff's Office, Community Development, Social Services	Within 3 years of plan adoption	New	

#	Southampton County Mitigation Action	Priority	Lead Agency	Implementation Schedule	2021 Status	Notes
14	Conduct additional watershed mapping for the Blackwater and Nottaway Rivers, similar to the recently completed effort on the Meherrin River.	Ivioderate	Community Development	Within 5 years of plan adoption	New	

#	Surry County Mitigation Action	Lead Agency	Priority	Implementation Schedule	2021 Status	Notes
1	Increase staff resources for emergency management.	Emergency Services	Moderate	Ongoing	Retain	
2	Establish signage notifications for additional high water marks along creeks and rivers in floodprone areas.	Emergency Services	Moderate	Ongoing	Retain with minor modifications	
æ	Identify means to coordinate, collect, and store damage assessment data in GIS format for each natural hazard event which causes death, injury, and/or property damage.	Emergency Services, PDC	Medium	<del>Ongoing</del>	Delete	State has made statewide tool available to communities for this purpose
	Protect critical facilities and infrastructure. Measures may include retrofitting of existing buildings and facilities as shelters, stormwater management or drainage improvements, elevation or relocation of structures or facilities out of hazard-prone locations. Continue to install the necessary electrical hook-up, wiring, and switches to allow readily-accessible connections to emergency generators at key critical public facilities.	Public Safety	Moderate	Ongoing	Retain with modifications	
4	Distribute brochures and use other means to educate the public regarding preparedness and mitigation. Conduct annual preparedness days for hazards to include floods, wind, and earthquakes. Use social media to quickly and effectively inform the public.	Public Safety	Moderate	Ongoing	Retain	
5	As part of continuing participation in the NFIP and a new application to the Community Rating System, request list of NFIP repetitive flood losses to ensure accuracy. Review will include verification of the geographic location of each RL property and determination if mitigated and by what means. Provide corrections if needed by filing form FEMA AW-501. Update flood ordinance to clarify freeboard requirement.	Department of Planning and Zoning	Low	within 2 years of plan a	Retain with modifications	
6	Apply for CRS.	Public Safety	Moderate	<del>Ongoing</del>	Delete	Combined with old #6

#	Surry County Mitigation Action	Lead Agency	Priority	Implementation Schedule	2021 Status	Notes
7	Use social media to more effectively inform the public.	Public Safety	Moderate	<del>Ongoing</del>	Delete	Added into new #4
8	Improve GIS and 911 capabilities with better data collection, integration and functionality.	Department of Planning and Zoning	Low	Ondoind	Retain with modifications	
9	Protect public and private property through a variety of measures, including but not limited to: acquisition, elevation or relocation of structures from hazard prone areas, retrofitting of existing buildings, and minor structural flood control projects.	Public Safety; Planning and Zoning	Moderate	Ongoing	Retain with major modifications	
<del>11</del>	Integrate mitigation plan requirements and- actions into other appropriate planning- mechanisms such as comprehensive plans and- capital improvement plans.	Community did not respond to- status update request.	Communi ty did not respond- to status update request.	Ongoing	Delete	This is done throughout the planning process.

HAMPTON ROADS HAZARD MITIGATION PLAN

# **APPENDIX G - ACRONYMS**

The following list of acronyms may help with interpretation of terms used in this document.

#### Acronym List

- AAD Average Annual Damages
- ACS American Community Survey
- AHAC All Hazards Advisory Committee
- AIDR Australian Institute for Disaster Resiliency
- ARPA American Rescue Plan Act
- ATSDR Agency for Toxic Substances and Diseases Registry
- **BFE** Base Flood Elevation
- CCI Comprehensive Coastal Inventory Program
- CDBG Community Development Block Grant Program
- CDC Centers for Disease Control and Prevention
- CERT Community Emergency Response Team
- CFM Certified Floodplain Manager
- CFPF Community Flood Preparedness Fund
- CFR Code of Federal Regulations
- **CPZ** Community Protection Zone
- CRS Community Rating System
- CWA Clean Water Act Section 319 Grants
- CZM Virginia Coastal Zone Management Program
- **DEM** Digital Elevation Model
- DCR Virginia Department of Conservation and Recreation
- DHS U.S. Department of Homeland Security
- **DMA 2000** Disaster Mitigation Act of 2000
- **DPW** Department of Public Works
- EF Enhanced Fujita [scale]
- EOC Emergency Operations Center
- EPA U.S. Environmental Protection Agency
- **EWP** Emergency Watershed Protection
- FEMA Federal Emergency Management Agency
- FIRM Flood Insurance Rate Map
- FIS Flood Insurance Study
- FMA Flood Mitigation Assistance Program

- FPMS Flood Plain Management Services Program
- **GIS** Geographical Information System
- **HAZMAT** Hazardous Material(s)
- Hazus Hazards U.S. Multi-Hazard
- HHPD High Hazard Potential Dam
- HIRA Hazard Identification Risk Assessment
- HMA Hazard Mitigation Assistance
- HMGP Hazard Mitigation Grant Program
- HRPDC Hampton-Roads Planning District Commission
- HUD U.S. Department of Housing and Urban Development
- IDA Intensely Developed Area
- ISO Verisk Analytics
- LEPC Local Emergency Planning Committee
- LIDAR Light Detection and Ranging
- LIMWA Limit of Moderate Wave Action
- LWCF Land and Water Conservation Fund Grants
- **MAP** Mitigation Action Plan
- MLLW Mean Lower Low Water
- **MMI** Modified Mercalli Intensity
- MMS Moment Magnitude Scale
- NAS Naval Air Station
- NCEI National Centers for Environmental Information
- NESIS Northeast Snowfall Impact Scale
- **NEMAC** National Event Mitigation Advisory Committee (Chesapeake)
- NFIP National Flood Insurance Program
- **NRI** National Risk Index
- NOAA National Oceanic Atmospheric Administration
- NWS National Weather Service
- **ODU** Old Dominion University
- pCi/L picocuries per liter
- **PDM** Pre-Disaster Mitigation Program
- **PELV** Probability of Elevation
- **PDSI** Palmer Drought Severity Index
- RFC Repetitive Flood Claims Program
- RL Repetitive [flood] Loss
- RMA Resource Management Area
- **RPA** Resource Protection Area
- RSI Regional Snowfall Index
- SARA Superfund Amendments and Reauthorization Act

- SFCP Small Flood Control Projects
- SFHA Special Flood Hazard Area
- SLOSH Sea, Lake and Overland Surges from Hurricanes
- SoVI Social Vulnerability Index
- SRL Severe Repetitive [flood] Loss
- **SSR** Shoreline Situation Report
- STAPLE/E Social, Technical, Administrative, Political, Legal, Economic and Environmental
- **TAZ** Transportation Analysis Zones
- TBA Tidewater Builders Association
- **UDF** User-Defined Facilities
- **USACE** U.S. Army Corps of Engineers
- USBC Virginia Uniform Statewide Building Code
- **USDA** United States Department of Agriculture
- **USGS** United States Geological Survey
- VASEM Virginia Academy of Science, Engineering, and Medicine
- **VDEM** Virginia Department of Emergency Management
- VDEQ Virginia Department of Environmental Quality
- **VDH** Virginia Department of Health
- **VDOF** Virginia Department of Forestry
- **VDOT** Virginia Department of Transportation
- VIMS Virginia Institute of Marine Science
- VMRC Virginia Marine Resources Commission
- WHO World Health Organization
- WNV West Nile Virus
- WPFP Watershed Protection and Flood Prevention
- WSP Watershed Surveys and Planning
- WUI Wildland Urban Interface

# APPENDIX H – DAM SAFETY DATA

This Appendix provides a list of all dams in the study area from the VaDCR database, as well as the VaDCR Dam Safety Data Sheet for each high hazard dam, ordered alphabetically by dam name.

Dam Safety Inventory System Download 01/11/2022

Count of Dam				
Name County	NID ID	Dam Name	Condition Assessment	Total
City of		Dannanie	Condition Assessment	Total
Chesapeake	VA550001	Lake Drummond Dam	Not Rated	1
oncoupcane	1400001	Chesapeake Energy Center Bottom Ash and	Not Rated	
	VA550002	Sediment Pond Dam	Satisfactory	1
			culoraciony	<u> </u>
City of				
Chesapeake Tota	I			2
City of Franklin		Ray Development Dam	Not Rated	1
City of Franklin				
Total				1
City of Hampton	VA650001	Lakehaven Lake	Not Rated	1
	VA650002	Lynnhaven Lake	Not Rated	1
	VA650003	Crystal Lake Dam	Not Rated	1
	VA650004	Coliseum Lake Dam	Not Rated	1
	VA650005	Sandy Bottom Lake Dam	Not Rated	1
City of Hampton		·		
Total				5
City of Newport				
News	VA700001	Lee Hall Reservoir Dam	Satisfactory	1
	VA700002	Eustis Dam	Not Rated	1
	VA700003	Skiffes Creek Dam	Not Rated	1
	VA700004	Lion's Bridge Dam	Not Rated	1
	VA700005	Sluice Dam	Not Rated	1
	VA700006	Lee Hall Upper Dam	Poor	1
		Kerry Lake Dam	Not Rated	1
	VA700008	Villages of Kiln Creek	Not Rated	1
	VA700009	Kiln Creek Golf Resort	Not Rated	1
	VA700010	Kettle Pond	Not Rated	1
		Deer Park Lake	Not Rated	1
		Boxley Hills Dams (2)	Not Rated	1
	VA700013	Queens Court Dam	Not Rated	1
City of Newport				
News Total				13
City of Norfolk		Taylor Dam	Not Rated	1
	VA710002	Lake Whitehurst Dam	Fair	1
City of Norfolk				•
				2
City of Suffolk		Lake Cohoon Dam	Not Rated	1
		Lake Kilby Dam	Not Rated	1
		Lake Burnt Mills Dam	Not Rated	1
		Lake Prince Dam	Not Rated	1
		Rountree South Dam	Not Rated	1
		Rountree North Dam	Not Rated	1
		Brights Dam Mathews Dam	Not Rated	1
		Izaak Walton Dam	Not Rated Fair	1
				1
		Speights Run Dam Western Branch Dam	Not Rated Not Rated	1
		Norfleet Dam	Not Rated	1
	VA000012		NUL RALEU	1

City of Suffolk	VA800013	Lake Meade Dam	Not Rated	1
	VA800014	Godwins Millpond Dam	Not Rated	1
	VA800015	Ferry Point Dam	Not Rated	1
	VA800016	Godwin - Culpepper Dam	Not Rated	1
	VA800017	C - Pond Dam	Fair	1
	VA800018	D - Pond Dam	Not Rated	1
	VA800019	Governor's Point Dam	Not Rated	1
	VA800020	Sleepy Lake Dam	Satisfactory	1
	VA800021	Lake I Dam	Poor	1
	VA800022	Sadler Pond Dam	Not Rated	1
		Lake Kilby Water Treatment Plant Sludge Lagoon		
	VA800023	Dam	Not Rated	1
City of Suffolk				
Total				23
City of Virginia				
Beach	VA810001	Thoroughgood Dam	Not Rated	1
	VA810002	Kingston Lake Dam	Poor	1
	VA810003	Stumpy Lake Dam	Not Rated	1
	VA810004	Great Neck Lake Dam	Not Rated	1
	VA810005	Lake Smith Dam	Fair	1
	VA810006	Little Creek Reservoir Dam	Not Rated	1
	VA810007	Lake Bradford # 3 Dam	Not Rated	1
	VA810008	Lake Bradford # 4 Dam	Not Rated	1
	VA810009	Point-O-View Lake Dam	Not Rated	1
	VA810010	Turtle Lake Dam	Not Rated	1
	VA810011	Banbury Lake Dam	Not Rated	1
	VA810012	Level Green Pond Dam	Not Rated	1
	VA810013	Sparrow Road Lake Dam	Satisfactory	1
	VA810014	Lake 6 Great Neck Area Dam	Satisfactory	1
	VA810015	Trant Lake Spillway Dam	Satisfactory	1
		Laurel Cove Spillway Dam	Not Rated	1
	VA810017	Wolfsnare Lake Dam	Satisfactory	1
	VA810018	Lake 4 Great Neck Area Dam	Not Rated	1
	VA810019	Linlier Lake Dam	Not Rated	1
	VA810020	Virginia Avenue Lake Dam	Not Rated	1
		Lake Christine Dam	Not Rated	1
	VA810022	Wishart Cove Dam	Not Rated	1
	VA810023	Sylvan Lake Dam	Not Rated	1
	VA810024	Lake Placid # 1 Dam	Not Rated	1
	VA810025	Lake Placid # 2 Dam	Not Rated	1
	VA810026	Indian Lakes Dam	Not Rated	1
	VA810027	Thoroughgood Lake # 5 Dam	Not Rated	1
	VA810028	Rosemont Forest Dam	Not Rated	1
	VA810029	Great Neck Area Lake # 3 Dam	Not Rated	1
	VA810030	Lake Taylor - Edward Dam	Not Rated	1
	VA810031	Queens Lake Dam	Not Rated	1
	VA810032	Lake Joyce Dam	Not Rated	1
	VA810033	Bluebird Drive Dam	Not Rated	1
	VA810034	Red Mill Farm Pond Dam	Not Rated	1
	VA810035	Salem Court Condominium Spillway Dam	Not Rated	1
		Lake Holly Dam	Not Rated	1
	VA810037	Pembroke Meadows Lake Dam	Not Rated	1
	VA810038	Shoreline Lake Dam	Not Rated	1
	VA810039	Point of View # 2 Flume Dam	Not Rated	1

City of Virginia	VA810040 Liberty Ridge Spillway Dam	Not Rated	1
	VA810041 Mirror Lake Drive Dam	Not Rated	1
	VA810042 Indian Lakes at Narbonne Court Dam	Not Rated	1
	VA810043 The Lakes Dam	Not Rated	1
	VA810044 Sunstream Park Dam	Not Rated	1
	VA810045 Gateway Christian School Spillway Dam	Not Rated	1
	VA810046 Donation Shores/Saw Pen Point Dam	Not Rated	1
	VA810047 Great Neck Lake # 7 Dam	Not Rated	1
	VA810048 Great Neck Lake # 5 Dam	Not Rated	1
	VA810049 Lake Dowdy Dam	Not Rated	1
	VA810050 Lake James Spillway Dam	Not Rated	1
	VA810051 Artesia Way Spillway Dam	Not Rated	1
	VA810052 Highland Parish Weir # 1 Dam	Not Rated	1
	VA810053 Highland Parish Weir # 2 Dam	Not Rated	1
	VA810054 East Pembroke Lake Dam	Not Rated	1
	VA810055 Lake Archway Dam	Not Rated	1
City of Virginia			
Beach Total			55
City of			
Williamsburg	VA830001 Lake Matoaka Dam	Fair	1
	VA830002 Tutters Neck Pond Dam	Not Rated	1
City of			
Williamsburg			
Total			2
Isle of Wight			
County	VA093001 Edwards Dam	Not Rated	1
•	VA093002 Jenkins Dam	Not Rated	1
	VA093003 Butlers Dam	Not Rated	1
	VA093004 Tormentor Dam	Not Rated	1
	VA093005 Arberdeen Dam	Not Rated	1
	VA093006 Wrenns Dam	Not Rated	1
	<b>VA093007</b> Echo Dam	Not Rated	1
	VA093008 Rhodes Dam	Not Rated	1
	VA093009 Gail Dam	Not Rated	1
	VA093010 Smithfield Downs Golf Course Dam	Not Rated	1
	VA093011 B - 1 Pond Dam	Fair	1
	VA093012 B - 2 Pond Dam	Fair	1
	VA093012 D-2Fond Dam VA093013 Alemar Dam	Not Rated	1
	VA093013 Alema Dam VA093014 Smithfield Lake Dam	Not Rated	1
	VA093014 Smithled Lake Dam VA093016 ASB Pond Dam	Fair	1
	VA093016 ASB Poind Dam VA093017 Carisbrooke Dam	Not Rated	1
Isle of Wight			1
County Total			46
James City			16
•	VA005001 Whitteker Lake Dam	Not Dated	٨
County	VA095001 Whittaker Lake Dam VA095002 Horne's Lake Dam	Not Rated Fair	1
			1
	VA095003 Travis Pond et al Dams	Not Rated	1
	VA095005 Deer Lake Dam	Not Rated	1
	VA095006 Little Creek Dam	Poor	1
	VA095007 Richardson Millpond Dam	Not Rated	1
	VA095008 Barlows Pond Dam	Not Rated	1
	VA095009 Jolly Pond Dam	Poor	1
	VA095011 Lake Pasbehegh Dam	Not Rated	1
	VA095012 Lake Powell Dam	Not Rated	1

	VA175013 Bishop Dam	Not Rated	1
	VA175011 Cypress Cove Dam	Not Rated	
	•		1
	VA175010 Camp Dam	Not Rated	1
	VA175009 Claud Dam	Not Rated	1
	VA175008 Johnson Dam	Not Rated	1
	VA175007 Whitefield Dam	Not Rated	1
	VA175006 Princes Dam	Not Rated	1
	VA175005 McGraphs Dam	Not Rated	1
	VA175004 Windbourne Dam	Not Rated	1
	VA175003 Dardens Dam	Not Rated	1
-	VA175002 Rivers Dam	Not Rated	1
County	VA175001 Colgate Darden Dam	Not Rated	1
Southampton			
County Total			49
James City			<u> </u>
	VA095054 Kingspoint Dam	Not Rated	1
	VA095053 Williamsburg National Dam	Not Rated	1
	VA095052 Ford Colony Dam #2	Not Rated	1
	VA095051 Ford Colony Dam #1	Not Rated	1
	VA095050 Dozier Dam	Not Rated	1
	VA095049 Sharp Dam	Not Rated	1
	VA095048 Scotts Pond	Not Rated	1
	VA095047 High Street SWM	Not Rated	1
	VA095046 Beaver Pond SWM	Not Rated	1
	VA095045 Ware Creek Road Dam	Not Rated	1
	VA095044 Meadows Dam	Not Rated	1
	VA095041 Warhill Complex Swamp	Not Rated	1
	VA095040 Liberty Crossing	Not Rated	1
	VA095039 Joachim Lake	Not Rated	1
	VA095038 Cowles Dam	Not Rated	1
	VA095037 Wingfield Lake Dam	Not Rated	1
	VA095036 Stieffen Pond Dam	Not Rated	1
		Not Rated	۲ ۲
	VA095034 Ajacan Lake BMP Dam VA095035 Lake Norvell Dam		1
		Not Rated	1
	VA095032 Kiskiack South Dam	Not Rated	1
	VA095031 Mintor Lakes Dailino. 2 VA095032 Kiskiack South Dam	Not Rated	1
	VA095031 Mirror Lakes Dam No. 2	Not Rated	ו 1
	VA095029 Eastern Fond Dam (FC 100) VA095030 Woodstock Pond Dam	Not Rated	1
	VA095029 Eastern Pond Dam (PC 106)	Satisfactory	1
	VA095027 Lake Nice Dam VA095028 Western Pond	Fair	1
	VA095027 Lake Nice Dam	Satisfactory	1
	VA095026 Massie Farm Pond	Fair	1
	VA095025 Mirror Lakes Dam No. 1 (west)	Fair	1
	VA095023 Old Mill Pond Dam	Not Rated	1
	VA095022 Perry Dam	Not Rated	1
	VA095021 Toano Dam	Not Rated	1
	VA095020 Wenger Dam	Not Rated	1
	VA095019 Rennicks Pond Dam	Not Rated	1
	VA095018 Warburton Pond Dam	Satisfactory	1
	VA095017 Brewery Road Dam	Fair	1
	VA095016 Warehams Pond	Not Rated	1
	VA095015 Kingsmill Dam	Not Rated	1
-	VA095014 Taylor Pit Dam	Not Rated	1
James City	VA095013 Cranston Mill Pond Dam	Not Rated	1
James City	VA095013 Cranston Mill Pond Dam	Not Rated	1

Southampton	VA175014	Hicks Ford Road Dam	Not Rated	1
Southampton		Cedar View/Cobb Branch Dam	Not Rated	1
		Boothe Road Dam	Not Rated	1
Southampton	VA1/3010	Boothe Road Ban	Not Nated	
County Total				15
Surry County	VA181001	Sunken Meadow Dam	Not Rated	1
	VA181002	Low Point Dam	Not Rated	1
	VA181003	Adkins Dam	Not Rated	1
	VA181004	Eastover Dam	Not Rated	1
	VA181005	Gray Dam	Not Rated	1
		Surry Power Station Dredge Spoils Disposal Pond	1	
	VA181006	Dam	Satisfactory	1
		Surry Power Station Dredge Material		
	VA181007	Management Area Perimeter Embankment Dam	Not Rated	1
Surry County			Not Halou	
Total				7
York County	VA199001	Harwood's Mill Dam	Poor	1
	VA199002	Lower Big Bethel Dam	Not Rated	1
	VA199003	Waller Mill Dam	Not Rated	1
	VA199004	Cheatham Dam	Not Rated	1
	VA199005	Jones Mill Pond Dam	Not Rated	1
	VA199006	Penniman Dam	Not Rated	1
	VA199007	Beaver Dam	Not Rated	1
		Bigler Millpond Dam	Not Rated	1
	VA199009	Powell Dam	Not Rated	1
	VA199010	Skimino Dam	Not Rated	1
		Upper Big Bethel Dam	Not Rated	1
	VA199012	Pond #11 Dam	Not Rated	1
	VA199013	Roosevelt Pond Dam	Not Rated	1
	VA199014	Williamsburg Country Club Dam	Not Rated	1
		Wormley Pond Dam	Not Rated	1
	VA199016	Queens Lake Dam	Satisfactory	1
	VA199017	Frog Pond Dam	Not Rated	1
		Rogers Dam	Not Rated	1
		Cheatham Annex Un-named No. 3	Not Rated	1
		York Meadows Dam	Not Rated	1
		Ferguson Glade	Not Rated	1
		Pond #12 Dam	Not Rated	1
		York County Dam #2	Not Rated	1
	VA199025	Water Country Dam	Satisfactory	1
York County				•
Total				24

# Dam Safety Data Sheet

Department of Conservation and Recreation Division of Dam Safety and Flood Plain Management 600 E Main St, Richmond, VA 23219

General		
Name of Dam: ASB Pond Dam	Inventory Number: 093016	
Hazard Classification: High	<b>City/County</b> : Isle of Wight County, Southampton County	
Designed By:	Constructed By:	
Regional Engineer: Mark Killgore	Year Constructed: 01/01/1901	
Dam Owner: John Ashley (252) 474-4127(Mobile); (primary)(757) 469- 4799(Office) 34040 Union Camp Street	Size Classification: Medium (>= 1000 - <50,000 ac. ft., >=40' <100') Certificate Type: Regular Operation and Maintenance Certificate Certificate Expiration: 05/31/2026 Days Since Last Inspection: 118	
Franklin VA, 23851		
	Inundation Report: 12/17/2013	
<b>Type of Dam</b> Earth (Primary)	<b>Reservoir Purpose</b> Other (Primary)	
Type of Spillway	Width Outlat Catac	
Түре	Width Outlet Gates	
Watershed		
Nearest City: Franklin	Nearest City Distance: 2.23 Miles	
<b>River or Stream</b> : Blackwater River offline - VAHU6 CU70 - Blackwater River - Union Camp Holding Pondond VAHU6 CU70		
Technical Basics		
Normal Pool Area: 101.30 Acres	Top Surface Area: 107.50 Acres	
Normal Pool Capacity: 691.90 Acre-Feet	Top Capacity: 1102.60 Acre-Feet	
Normal Pool Elevation: 14.50 Feet	Top Elevation: 18.50 Feet	
Normal Pool Height: 12.70 Feet	Top Height: 16.70 Feet	
Technical Hydrology/Hydraulics		
Controlling PMP: Unknown	Drainage Area: 0.20 Sq. Mi.	
6 Hour PMP: 33.90	Time of Concentration:	

<b>12 Hour PMP</b> : 38.70
<b>24 Hour PMP</b> : 38.70
Available Spillway Design Flow: .90 PMP

Weighted Curve Number: IDA Spillway Reduction: Required Spillway Design Flow: .90 PMP

#### Inspections (Last 3 Max)

Date	Туре	Condition
1/20/2021	Engineer	Fair
2/13/2020	Engineer	Satisfactory
2/28/2019	Engineer	Satisfactory

#### **EAP Quick Reference**

Approval Date: 04/24/2020 Expiration Date: 04/24/2026

#### **Dam Location**

Dam Address: 3040 Union Camp Drive Franklin VA, 23851 E911 Direction to Dam: Refer to Appendix L in attached emergency plan (EAP - emergency action plan) dated February 2020 (See Attachment section in the DSIS).

#### **EAP** Contacts

Dam Operator: Raye Moore (primary)(757) 569-4793(Office); (757) 635-9159(Mobile) (primary)raye.moore@ipaper.com 34040 Union Camp Drive Franklin VA, 23851

Rain Gauge Observer: On-duty guard at Mill Guardhouse (primary)(757) 569-4400(Office) (primary)unknown@unknown.com 34040 Union Camp Drive Franklin VA, 23851

#### 24-Hour Dispatch Center: Jerry Smith

(primary)(757) 653-2100(Office) (primary)na 22336 Main St P.O. Box 70 Courtland VA, 23837

#### **Owner's Engineer:**

#### Transportation Administrator: Christopher G.

Hall (primary)(757) 956-3000(Office) (primary)christopher.hall@vdot.virginia.gov 7511 Burbage Drive Suffolk VA, 23435

#### Dam Alternate Operator:Charro Gaulden (334) 415-3697(Mobile); (primary)(757) 569-4793(Office) (primary)charro.gaulden@ipaper.com 34040 Union Camp Street Franklin VA, 23851

Alternate Rain Gauge Observer: Raye Moore (primary)(757) 569-4400(Office) (primary)raye.moore@ipaper.com 34040 Union Camp Drive Franklin VA, 23851

# Local Government Emergency Services:Josh Wyche

(primary)(757) 653-2100(Office) (primary)unknown@unknown.com 22336 Main Street P.O. Box 70 Courtland VA, 23837

#### **DCR Regional Engineer:**

Mark Killgore 804-786-1359 Mark.Killgore@dcr.virginia.gov 600 E. Main St., 24th Floor Richmond VA, 23219

National Weather Service:Eric Seymour (757) 899-4200(Office); (primary)(757) 899-

5734(Mobile) (primary)eric.seymour@noaa.gov 10009 General Mahone Highway Wakefield VA, 23888

#### Potential Impacts

#### Roadways Impacted:

- Route 189 1.96 miles downstream
- US 58 0.68 miles downstream
- Pretlow Road 1.7 miles downstream
- Hemlock Street 1.1 miles downstream
- Artis Circle 1.3 miles downstream
- Blackwater Drive 1.1 miles downstream
- Palm Street 1 miles downstream

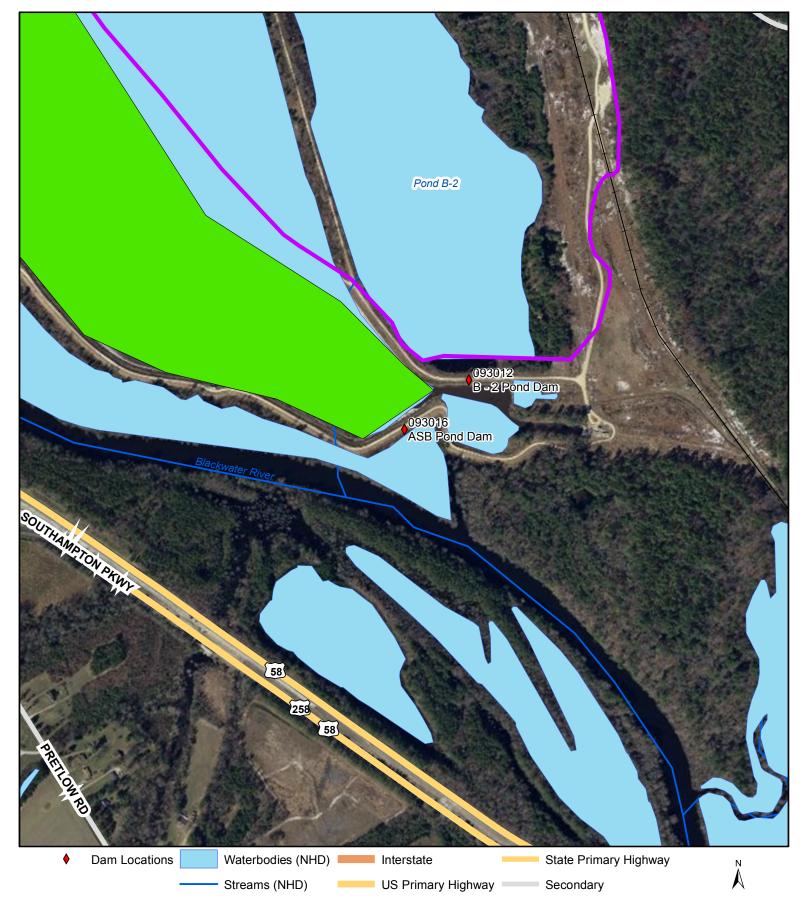
#### Dams Downstream:

• 55555

#### Potential Impact Structures (count):

- 52 Homes
- O Businesses
- O Schools
- 0 Hospitals
- 0 Critical Infrastructure
- O Railroads
- 0 Utilities
- 0 Parks
- 0 Golf Courses

Dam Number: **093016** VAHU6: CU70 Region: 3 VA Senate: 18 VA House: 75 Congressional: 5103,5104 Dam Name: **ASB Pond Dam** Municipalities: Isle of Wight County,Southampton County SWCD: CHOWAN BASIN,PEANUT HUC 12: 030102020505 Watershed Name: Blackwater River-Union Camp Holding Pond USGS Topo: FRANKLIN



# Dam Safety Data Sheet

Department of Conservation and Recreation Division of Dam Safety and Flood Plain Management 600 E Main St, Richmond, VA 23219

General		
Name of Dam: B - 1 Pond Dam	Inventory Number: 093011	
Hazard Classification: High	City/County: Isle of Wight County	
Designed By:	Constructed By:	
Regional Engineer: Mark Killgore	Year Constructed: 01/01/1950	
<b>Dam Owner</b> : John Ashley (252) 474-4127(Mobile); (primary)(757) 469- 4799(Office)		
34040 Union Camp Street	<b>Certificate Expiration:</b> 03/31/2023	
Franklin VA, 23851	Days Since Last Inspection: 118	
	Inundation Report: 05/04/2012	
<b>Type of Dam</b> Earth (Primary)	<b>Reservoir Purpose</b> Other (Primary)	
<b>Туре of Spillway</b> <u>Туре</u>	Width Outlet Gates	
Watershed		
Nearest City:	Nearest City Distance: 0.00 Miles	
Nearest City: River or Stream: TR-BLACKWATER RIVER OFFSTREAM	Nearest City Distance: 0.00 Miles	
River or Stream: TR-BLACKWATER RIVER	Nearest City Distance: 0.00 Miles	
<b>River or Stream</b> : TR-BLACKWATER RIVER OFFSTREAM	Nearest City Distance: 0.00 Miles Top Surface Area: 122.20 Acres	
River or Stream: TR-BLACKWATER RIVER OFFSTREAM Technical Basics		
River or Stream: TR-BLACKWATER RIVER OFFSTREAM Technical Basics Normal Pool Area: 61.00 Acres	Top Surface Area: 122.20 Acres	
River or Stream: TR-BLACKWATER RIVER OFFSTREAM Technical Basics Normal Pool Area: 61.00 Acres Normal Pool Capacity: 177.80 Acre-Feet	Top Surface Area: 122.20 Acres Top Capacity: 668.00 Acre-Feet	
River or Stream: TR-BLACKWATER RIVER OFFSTREAM Technical Basics Normal Pool Area: 61.00 Acres Normal Pool Capacity: 177.80 Acre-Feet Normal Pool Elevation: 12.60 Feet Normal Pool Height: 7.60 Feet Technical Hydrology/Hydraulics	Top Surface Area: 122.20 Acres Top Capacity: 668.00 Acre-Feet Top Elevation: 18.00 Feet	
River or Stream: TR-BLACKWATER RIVER OFFSTREAM Technical Basics Normal Pool Area: 61.00 Acres Normal Pool Capacity: 177.80 Acre-Feet Normal Pool Elevation: 12.60 Feet Normal Pool Height: 7.60 Feet	Top Surface Area: 122.20 Acres Top Capacity: 668.00 Acre-Feet Top Elevation: 18.00 Feet	
River or Stream: TR-BLACKWATER RIVER OFFSTREAM Technical Basics Normal Pool Area: 61.00 Acres Normal Pool Capacity: 177.80 Acre-Feet Normal Pool Elevation: 12.60 Feet Normal Pool Height: 7.60 Feet Technical Hydrology/Hydraulics	Top Surface Area: 122.20 Acres Top Capacity: 668.00 Acre-Feet Top Elevation: 18.00 Feet Top Height: 13.00 Feet	
River or Stream: TR-BLACKWATER RIVER OFFSTREAM Technical Basics Normal Pool Area: 61.00 Acres Normal Pool Capacity: 177.80 Acre-Feet Normal Pool Elevation: 12.60 Feet Normal Pool Height: 7.60 Feet Technical Hydrology/Hydraulics Controlling PMP: Unknown	Top Surface Area: 122.20 Acres Top Capacity: 668.00 Acre-Feet Top Elevation: 18.00 Feet Top Height: 13.00 Feet Drainage Area: 0.59 Sq. Mi.	

Available Spillway Design Flow: 100.00 YR

Required Spillway Design Flow: .90 PMP

Inspections (Last 3 Max)			
Date	<u>Type</u>	<u>Condition</u>	
1/20/2021	Engineer	Satisfactory	
2/13/2020	Engineer	Satisfactory	
2/28/2019	Engineer	Satisfactory	

#### Inspections (Last 3 Max)

#### **EAP Quick Reference**

Approval Date: 12/17/2013 Expiration Date: 12/17/2019

#### **Dam Location**

Dam Address:	E911 Direction to Dam:
34419 Butler Farm Rd	Access to the site is provided off of Butler Farm
Franklin VA, 23851	Road, through gated private gravel/dirt roadways
	leading back to the WWTS Complex. Access to
	the dam can be made from either of the
	following paths:
	<ol> <li>Gravel/dirt road leading past the clarifiers,</li> </ol>
	along the combined canal, veering right (before
	crossing canal) to continue paralleling the
	combined canal (along south side of NW Inactive
	ASB) to the dam (west ASB embankment), or
	<ol><li>Gravel/dirt road leading past the clarifiers,</li></ol>
	along the combined canal, veering left (crossing
	the canal) and continuing straight along the east
	side of the B-2 Pond to the pump station at the
	south end of the dam, or
	3. Gravel/dirt road leading past the clarifiers,
	along the combined canal, veering left (crossing
	the canal) and turning immediately to the right paralleling the combined canal and continuing
	straight along the west side of the B-2 Pond and
	the east side of the EC Inactive ASB, turning right
	at road end and continuing straight to the pump
	station at the south end of the dam, or
	4. Gravel/dirt road leading past the clarifiers,
	along the combined canal, veering left (crossing
	the canal) and turning immediately to the right
	paralleling the combined canal, turning right at
	the northeast corner of the EC Inactive ASB and
	continuing straight along the north then west
	side of the EC Inactive ASB and the east side of
	the ASB, turning right at road end and continuing
	straight to the pump station at the south end of
	the dam.

#### **EAP** Contacts

Dam Operator: Raye Moore
(757) 569-0107(Home); (primary)(757) 569-
4793(Office); (757) 635-9159(Mobile)
(primary)na
34040 Union Camp Dr

Dam Alternate Operator:Jacquelyn Taylor (primary)(757) 569-4536(Office); (843) 259-9698(Mobile) (primary)na 34040 Union Camp Dr

#### Franklin VA, 23851

#### Rain Gauge Observer: NA NA

(primary)(757) 569-4400(Office) (primary)na 34040 Union Camp Dr Franklin VA, 23851

#### 24-Hour Dispatch Center: Jerry Smith

(primary)(757) 653-2100(Office) (primary)na 22336 Main St P.O. Box 70 Courtland VA, 23837

**Owner's Engineer**: Douglas W Carr (primary)(919) 461-1100(Office) (primary)doug.carr@aecom.com 1600 Perimeter Park Drive Suite 400 Morrisville NC, 27560-8421

Transportation Administrator:Joseph Lomax (primary)(757) 346-3072(Office) (primary)na na Franklin VA, 12345 Franklin VA, 23851

#### Alternate Rain Gauge Observer: Raye Moore

(757) 569-0107(Home); (primary)(757) 569-4793(Office); (757) 635-9159(Mobile) (primary)na 34040 Union Camp Dr Franklin VA, 23851

# Local Government Emergency Services: J.B. Stutts

(primary)(757) 653-2100(Office) (primary)na 22336 Main St P.O. Box 70 Courtland VA, 23837

#### **DCR Regional Engineer:**

Mark Killgore 804-786-1359 Mark.Killgore@dcr.virginia.gov 600 E. Main St., 24th Floor Richmond VA, 23219

National Weather Service:Eric Seymour (primary)(757) 899-4200(Office); (757) 899-5734(Office); (757) 899-6401(Office) (primary)eric.seymour@noaa.gov 10009 General Mahone Highway Wakefield VA, 23888

#### **Potential Impacts**

#### **Roadways Impacted:**

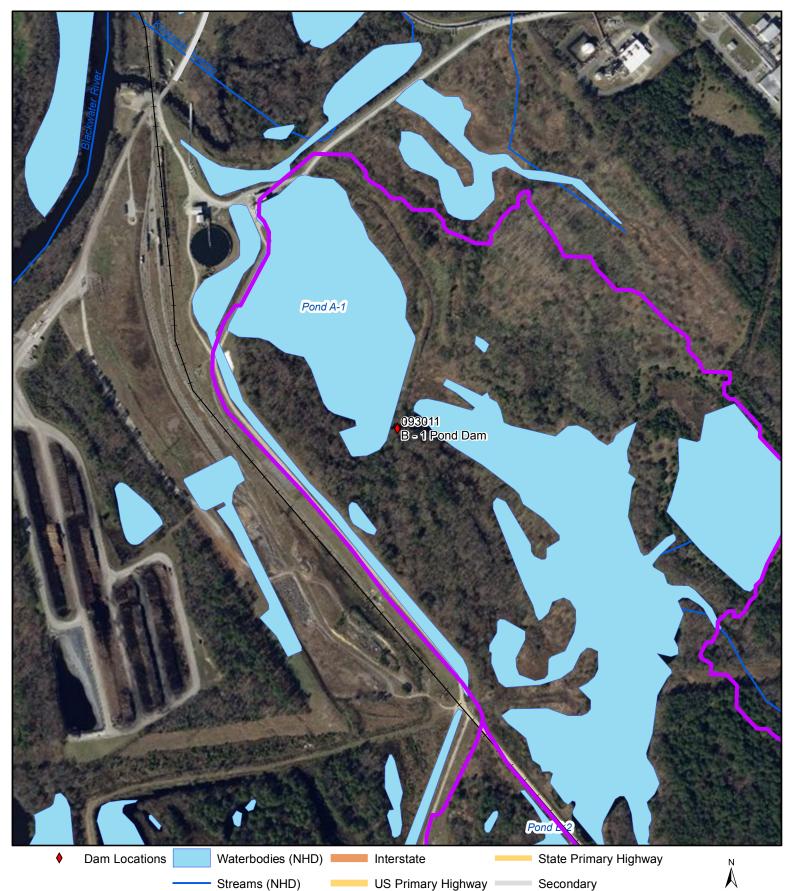
- 189 99999 miles downstream
- Pretlow Rd 99999 miles downstream
- Hemlock St 99999 miles downstream
- Palm St 99999 miles downstream
- Blackwater Dr 99999 miles downstream
- Artis Cr 99999 miles downstream

#### Dams Downstream:

#### Potential Impact Structures (count):

- 54 Homes
- Businesses
- Schools
- Hospitals
- Critical Infrastructure
- Railroads
- Utilities
- Parks
- Golf Courses

Dam Number: **093011** VAHU6: CU69,CU70 Region: 3 VA Senate: 18 VA House: 75 Congressional: 5103 Dam Name: **B - 1 Pond Dam** Municipalities: Isle of Wight County SWCD: PEANUT HUC 12: 030102020504,030102020505 Watershed Name: Blackwater River-Union Camp Holding Pond,Kingsale Sv USGS Topo: FRANKLIN



# Dam Safety Data Sheet

Department of Conservation and Recreation Division of Dam Safety and Flood Plain Management 600 E Main St, Richmond, VA 23219

General	
Name of Dam: B - 2 Pond Dam	Inventory Number: 093012
Hazard Classification: High Designed By:	<b>City/County</b> : Isle of Wight County, Southampton County <b>Constructed By</b> :
Regional Engineer: Mark Killgore	Year Constructed: 01/01/1901
Dam Owner: John Ashley (252) 474-4127(Mobile); (primary)(757) 469- 4799(Office) 34040 Union Camp Street Franklin VA, 23851	Size Classification: Medium (>= 1000 - <50,000 ac. ft., >=40' <100') Certificate Type: Conditional 2 Year Certificate Certificate Expiration: 03/31/2023 Days Since Last Inspection: 118 Inundation Report: 05/04/2012
<b>Type of Dam</b> Earth (Primary)	Reservoir Purpose Other (Primary)
<b>Туре of Spillway</b> <u>Туре</u>	Width Outlet Gates
Watershed	
Nearest City: Franklin River or Stream: Blackwater River offline - VAHU6 CU70 Blackwater River - Union Camp Holding PondFSTREAM	Nearest City Distance: 2.30 Miles
Technical Basics	
Normal Pool Area: 52.40 Acres	Top Surface Area: 117.30 Acres
Normal Pool Capacity: 650.10 Acre-Feet	Top Capacity: 1667.90 Acre-Feet
Normal Pool Elevation: 6.00 Feet	Top Elevation: 20.30 Feet
Normal Pool Height: 0.00 Feet	Top Height: 15.30 Feet
Technical Hydrology/Hydraulics	
Controlling PMP: Unknown	Drainage Area: 0.86 Sq. Mi.
6 Hour PMP: 0.00	Time of Concentration:
<b>12 Hour PMP</b> : 0.00	Weighted Curve Number:

24 Hour PMP: 0.00 Available Spillway Design Flow: 100.00 YR IDA Spillway Reduction: 100.00 YR Required Spillway Design Flow: .90 PMP

# Inspections (Last 3 Max)

Date	Туре	Condition
1/20/2021	Engineer	Satisfactory
2/13/2020	Engineer	Satisfactory
2/28/2019	Engineer	Satisfactory

#### **EAP Quick Reference**

Approval Date: 12/17/2013 Expiration Date: 12/17/2019

#### **Dam Location**

Dam Address:	E911 Direction to Dam:
34419 Butler Farm Rd	Access to the site is provided off of Butler Farm
Franklin VA, 23851	Road, through gated private gravel/dirt roadways
	leading back to the WWTS Complex. Access to
	the dam can be made from either of the
	following paths:
	<ol> <li>Gravel/dirt road leading past the clarifiers,</li> </ol>
	along the combined canal, veering right (before
	crossing canal) to continue paralleling the
	combined canal (along south side of NW Inactive
	ASB) to the dam (west ASB embankment), or
	<ol><li>Gravel/dirt road leading past the clarifiers,</li></ol>
	along the combined canal, veering left (crossing
	the canal) and continuing straight along the east
	side of the B-2 Pond to the pump station at the
	south end of the dam, or
	3. Gravel/dirt road leading past the clarifiers,
	along the combined canal, veering left (crossing
	the canal) and turning immediately to the right paralleling the combined canal and continuing
	straight along the west side of the B-2 Pond and
	the east side of the EC Inactive ASB, turning right
	at road end and continuing straight to the pump
	station at the south end of the dam, or
	4. Gravel/dirt road leading past the clarifiers,
	along the combined canal, veering left (crossing
	the canal) and turning immediately to the right
	paralleling the combined canal, turning right at
	the northeast corner of the EC Inactive ASB and
	continuing straight along the north then west
	side of the EC Inactive ASB and the east side of
	the ASB, turning right at road end and continuing
	straight to the pump station at the south end of
	the dam.

#### **EAP** Contacts

Dam Operator: Raye Moore
(757) 569-0107(Home); (primary)(757) 569-
4793(Office); (757) 635-9159(Mobile)
(primary)na
34040 Union Camp Dr

Dam Alternate Operator:Jacquelyn Taylor (primary)(757) 569-4536(Office); (843) 259-9698(Mobile) (primary)na 34040 Union Camp Dr

#### Franklin VA, 23851

#### Rain Gauge Observer: NA NA

(primary)(757) 569-4400(Office) (primary)na 34040 Union Camp Dr Franklin VA, 23851

#### 24-Hour Dispatch Center: Jerry Smith

(primary)(757) 653-2100(Office) (primary)na 22336 Main St P.O. Box 70 Courtland VA, 23837

**Owner's Engineer**: Douglas W Carr (primary)(919) 461-1100(Office) (primary)doug.carr@aecom.com 1600 Perimeter Park Drive Suite 400 Morrisville NC, 27560-8421

Transportation Administrator:Joseph Lomax (primary)(757) 346-3072(Office) (primary)na na Franklin VA, 12345 Franklin VA, 23851

#### Alternate Rain Gauge Observer: Raye Moore

(757) 569-0107(Home); (primary)(757) 569-4793(Office); (757) 635-9159(Mobile) (primary)na 34040 Union Camp Dr Franklin VA, 23851

# Local Government Emergency Services: J.B. Stutts

(primary)(757) 653-2100(Office) (primary)na 22336 Main St P.O. Box 70 Courtland VA, 23837

#### **DCR Regional Engineer:**

Mark Killgore 804-786-1359 Mark.Killgore@dcr.virginia.gov 600 E. Main St., 24th Floor Richmond VA, 23219

National Weather Service:Eric Seymour (primary)(757) 899-4200(Office); (757) 899-5734(Office); (757) 899-6401(Office) (primary)eric.seymour@noaa.gov 10009 General Mahone Highway Wakefield VA, 23888

#### **Potential Impacts**

#### **Roadways Impacted:**

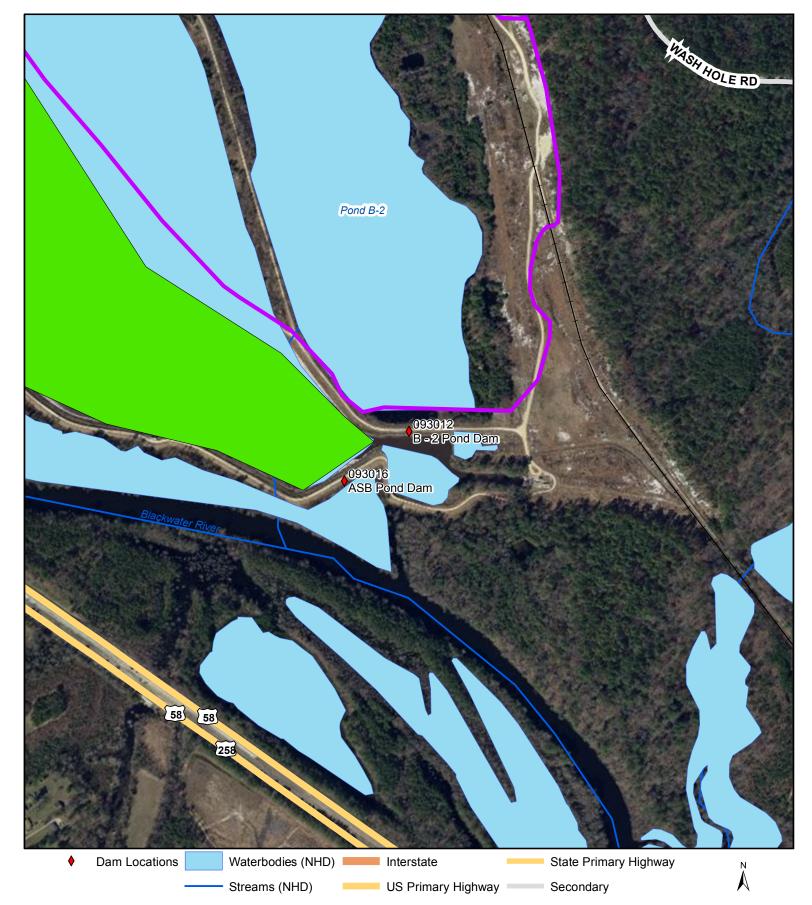
- 189 99999 miles downstream
- Pretlow Rd 99999 miles downstream
- Hemlock St 99999 miles downstream
- Palm St 99999 miles downstream
- Blackwater Dr 99999 miles downstream
- Artis Cr 99999 miles downstream

#### Dams Downstream:

#### Potential Impact Structures (count):

- 54 Homes
- Businesses
- Schools
- Hospitals
- Critical Infrastructure
- Railroads
- Utilities
- Parks
- Golf Courses

Dam Number: **093012** VAHU6: CU70 Region: 3 VA Senate: 18 VA House: 75 Congressional: 5103,5104 Dam Name: **B - 2 Pond Dam** Municipalities: Isle of Wight County,Southampton County SWCD: CHOWAN BASIN,PEANUT HUC 12: 030102020505 Watershed Name: Blackwater River-Union Camp Holding Pond USGS Topo: FRANKLIN



# Dam Safety Data Sheet

Department of Conservation and Recreation Division of Dam Safety and Flood Plain Management 600 E Main St, Richmond, VA 23219

General		
Name of Dam: Chesapeake Energy Center Bottom Ash and Sediment Pond Dam	Inventory Number: 550002	
Hazard Classification: High	City/County: City of Chesapeake	
Designed By:	Constructed By:	
Regional Engineer: Mark Killgore	Year Constructed: 01/01/1955	
<b>Dam Owner</b> : Shaikh Z Rahman (primary)(804) 387-8263(Mobile) 600 East Canal Street Richmond VA, 23219	Size Classification: Small (>=50 - <1000 ac. ft., >=25' and <40') Certificate Type: Regular Operation and Maintenance Certificate Certificate Expiration: 08/15/2028	
	Days Since Last	Inspection: 341
	Inundation Rep	<b>port</b> : 08/26/2015
<b>Type of Dam</b> Earth (Primary)	Reservoir Purpose Coal Ash Storage (Primary)	
Type of Spillway		
<u>Type</u> Uncontrolled	<u>Width</u> 3.50	<u>Outlet Gates</u> Concrete Spillway - Rectangular
Uncontrolled (Auxiliary)	10.00	Rock Spillway - Trapezoidal
Watershed		
Nearest City: Norfolk	Nearest City D	Distance: 5.90 Miles
<b>River or Stream</b> : Deep Creek - VAHU6 JL53 South Branch Elizabeth River - Deep Creek		
Technical Basics		
Normal Pool Area: 0.00 Acres	Top Surface Area: 0.00 Acres	
Normal Pool Capacity: 3.50 Acre-Feet	Top Capacity: 56.00 Acre-Feet	
Normal Pool Elevation: 10.45 Feet	Top Elevation: 20.00 Feet	
Normal Pool Height: 0.00 Feet	Top Height: 20.00 Feet	
Technical Hydrology/Hydraulics		
Controlling PMP: 6-HR PMP	Drainage Area	ı: 0.06 Sq. Mi.

6 Hour PMP: 33.80	Time of Concentration:
<b>12 Hour PMP</b> : 38.50	Weighted Curve Number: 76
<b>24 Hour PMP</b> : 38.50	IDA Spillway Reduction:
Available Spillway Design Flow: 1.00 PMF	Required Spillway Design Flow: .90 PMP

### Inspections (Last 3 Max)

Date	<u>Type</u>	Condition
6/11/2020	Engineer	Satisfactory
11/18/2019	DCR Site Visit	Not Rated
10/10/2019	Engineer	Satisfactory

#### **EAP Quick Reference**

Approval Date: 11/14/2018 Expiration Date: 11/14/2024

#### **Dam Location**

Dam Address:	E911 Direction to Dam:
2701 Vepco Street	Chesapeake Energy Center on Deep Creek and
Chesapeake VA, 23323	the Southern Branch of the Elizabeth River, City
	Parcel No. 0260000000090, zoned M2 general
	industrial, 257.62 acre parcel. This impoundment
	is a coal combustion residuals (CCR) surface

SB1398.

#### **EAP** Contacts

Dam Operator: Krystal D Gill (primary)(757) 419-1005(Mobile); (757) 558-5436(Office) (primary)krystal.d.gill@dominionenergy.com 2837 S. Military Highway Chesapeake VA, 23323

#### Rain Gauge Observer: Krystal D Gill

(primary)(757) 419-1005(Mobile); (757) 558-5436(Office) (primary)krystal.d.gill@dominionenergy.com 2837 S. Military Highway Chesapeake VA, 23323

# 24-Hour Dispatch Center: Unknown Unknown (primary)(757) 382-6297(Office) (primary)public@cityofchesapeake.net

304 Albermarle Drive Chesapeake VA, 23322

#### **Owner's Engineer:**

#### Dam Alternate Operator:Gene Lindstrom

impoundment subject to the provisions of

(757) 536-2154(Mobile); (primary)(757) 558-5436(Office) (primary)na 2837 S. Military Highway Chesapeake VA, 23323

#### Alternate Rain Gauge Observer: Gene Lindstrom

(757) 536-2154(Mobile); (primary)(757) 558-5436(Office) (primary)na 2837 S. Military Highway Chesapeake VA, 23323

#### Local Government Emergency Services: Robb Braidwood

(757) 382-1775(Office); (primary)(757) 382-1776(Office) public@cityofchesapeake.net; (primary)rbraidwood@cityofchesapeake.net 2130 S. Military Highway Chesapeake VA, 23320

#### DCR Regional Engineer:

Mark Killgore 804-786-1359 Mark.Killgore@dcr.virginia.gov 600 E. Main St., 24th Floor Richmond VA, 23219

# Transportation Administrator: Christopher G Hall

(primary)(757) 925-2500(Office); (888) 723-8400(Office) (primary)christopher.hall@vdot.virginia.gov 1700 North Main Street Suffolk VA, 23434

#### National Weather Service:Eric Seymour (757) 899-5734(Mobile); (primary)(757) 899-6401(Office) (primary)eric.seymour@noaa.gov 1009 General Mahone Highway Wakefield VA, 23888

#### **Potential Impacts**

#### **Roadways Impacted:**

• 0 - 0 miles downstream

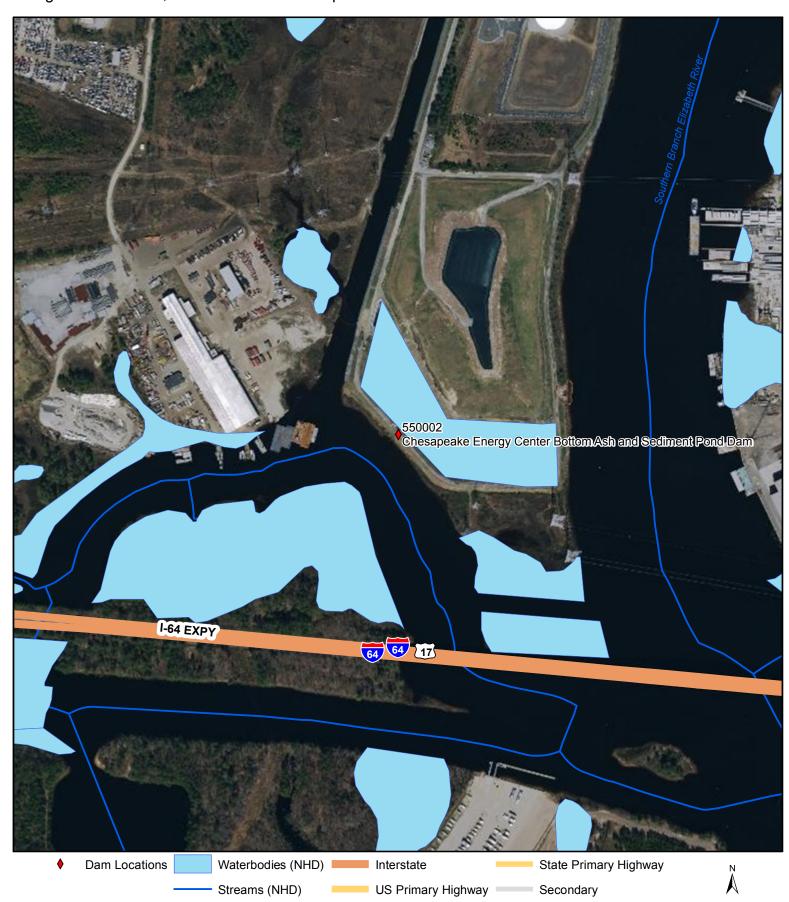
#### Dams Downstream:

• 000000

#### Potential Impact Structures (count):

- 0 Homes
- O Businesses
- O Schools
- O Hospitals
- 0 Critical Infrastructure
- 0 Railroads
- 0 Utilities
- 0 Parks
- 0 Golf Courses

Dam Number: **550002** VAHU6: JL53 Region: 3 VA Senate: 14,5 VA House: 77,81 Congressional: 5103,5104 Dam Name: Chesapeake Energy Center Bottom Ash and Sediment Por Municipalities: City of Chesapeake SWCD: VIRGINIA DARE HUC 12: 020802080203 Watershed Name: Southern Branch Elizabeth River-Deep Creek USGS Topo: NORFOLK SOUTH



Department of Conservation and Recreation Division of Dam Safety and Flood Plain Management 600 E Main St, Richmond, VA 23219

Name of Dam: C - Pond Dam	Inventory Numb	er: 800017
Hazard Classification: High	City/County: City	y of Suffolk
Designed By:	Constructed By:	
Regional Engineer: Mark Killgore	Year Constructed	<b>I</b> : 01/01/1962
Dam Owner: John Ashley (252) 474-4127(Mobile); (primary)(757) 469- 4799(Office) 34040 Union Camp Street Franklin VA, 23851	ft., >=40' <100') <b>Certificate Type</b> : Maintenance Cer	ntion: 05/31/2026
	Inundation Repo	•
<b>Type of Dam</b> Earth (Primary)	Reservoir Purpos Other (Primary)	se in the second se
Type of Spillway		
Туре	<u>Width</u>	Outlet Gates
Watershed		
Nearest City: Franklin	Nearest City Dis	tance: 10.60 Miles
<b>River or Stream</b> : Blackwater River offline - VAHU6 CU70 Blackwater River - Union Camp Holding Pond		
Technical Basics		
Technical Basics Normal Pool Area: 1601.00 Acres	Top Surface Are	<b>a</b> : 1614.00 Acres
	•	a: 1614.00 Acres 9800.00 Acre-Feet
Normal Pool Area: 1601.00 Acres	•	9800.00 Acre-Feet
Normal Pool Capacity: 23370.00 Acre-Feet	Top Capacity: 29	9800.00 Acre-Feet 55.00 Feet
Normal Pool Area: 1601.00 Acres Normal Pool Capacity: 23370.00 Acre-Feet Normal Pool Elevation: 51.00 Feet Normal Pool Height: 41.00 Feet	Top Capacity: 29 Top Elevation: 6	9800.00 Acre-Feet 55.00 Feet
Normal Pool Area: 1601.00 Acres Normal Pool Capacity: 23370.00 Acre-Feet Normal Pool Elevation: 51.00 Feet Normal Pool Height: 41.00 Feet	Top Capacity: 29 Top Elevation: 6	9800.00 Acre-Feet 55.00 Feet 00 Feet
Normal Pool Area: 1601.00 Acres Normal Pool Capacity: 23370.00 Acre-Feet Normal Pool Elevation: 51.00 Feet Normal Pool Height: 41.00 Feet Technical Hydrology/Hydraulics	Top Capacity: 29 Top Elevation: 6 Top Height: 52.0	9800.00 Acre-Feet 55.00 Feet 00 Feet 2.55 Sq. Mi.
Normal Pool Area: 1601.00 Acres Normal Pool Capacity: 23370.00 Acre-Feet Normal Pool Elevation: 51.00 Feet Normal Pool Height: 41.00 Feet Technical Hydrology/Hydraulics Controlling PMP: Unknown	Top Capacity: 29 Top Elevation: 6 Top Height: 52.0 Drainage Area:	9800.00 Acre-Feet 55.00 Feet 00 Feet 2.55 Sq. Mi. <b>tration</b> :

Available Spillway Design Flow: 1.00 PMF

Required Spillway Design Flow: .90 PMP

inspections (Last 3 Max)			
Date	<u>Type</u>	<u>Condition</u>	
1/21/2021	Engineer	Satisfactory	
2/13/2020	Engineer	Satisfactory	
3/1/2019	Engineer	Satisfactory	

#### **EAP Quick Reference**

Approval Date: 04/24/2020 Expiration Date: 04/24/2026

#### **Dam Location**

Dam Address: 34040 Union Camp Drive Franklin VA, 23851 E911 Direction to Dam: Refer to Appendix M in attached emergency plan (EAP - emergency action plan) dated 02/14/2020 (See Attachment section in the DSIS).

#### **EAP** Contacts

Dam Operator: Raye Moore (primary)(757) 569-4793(Office); (757) 635-9159(Mobile) (primary)raye.moore@ipaper.com 34040 Union Camp Drive Franklin VA, 23851

Rain Gauge Observer: On-Duty Guard at Mill Guardhouse (primary)(757) 569-4400(Office) (primary)unknown@unknown.com 3040 Union Camp Dr Franklin VA, 23851

24-Hour Dispatch Center: NA NA

(primary)(757) 514-7915(Office) (primary)unknown@unknown.com 111 Henley Place Suffolk VA, 23434

**Owner's Engineer**: Douglas W Carr (primary)(919) 461-1100(Office) (primary)na 1600 Perimeter Park Drive Suite 400 Morrisville NC, 27560

Transportation Administrator: Christopher G. Hall (primary)(757) 956-3000(Office) (primary)christopher.hall@vdot.virginia.gov 7511 Burbage Drive Suffolk VA, 23435 Dam Alternate Operator:Charro Gaulden (334) 415-3697(Mobile); (primary)(757) 569-4793(Office) (primary)charro.gaulden@ipaper.com 34040 Union Camp Street Franklin VA, 23851

Alternate Rain Gauge Observer: Raye Moore (primary)(757) 569-4793(Office) (primary)raye.moore@ipaper.com 34040 Union Camp Drive Franklin VA, 23851

Local Government Emergency Services:Richard Stevens (primary)(757) 514-4536(Office) (primary)unknown@unknown.com 300 Kings Fork Road

Suffolk VA, 23434

DCR Regional Engineer:

Mark Killgore 804-786-1359 Mark.Killgore@dcr.virginia.gov 600 E. Main St., 24th Floor Richmond VA, 23219

National Weather Service:Eric Seymour (757) 899-2415(Office); (primary)(757) 899-4200(Office); (800) 737-8624(Office) (primary)eric.seymour@noaa.gov 1009 General Mahone Highway Wakefield VA, 23888

### Potential Impacts

### Roadways Impacted:

- US258 3.5 miles downstream
- Southampton Parkway/Highway 58 4.9 miles downstream
- SR189 South Quay Road 3.8 miles downstream
- Refer to Section 5.5.2 for Secondary Roadways Impacted in attached EAP dated February 14, 2020 - 99999 miles downstream

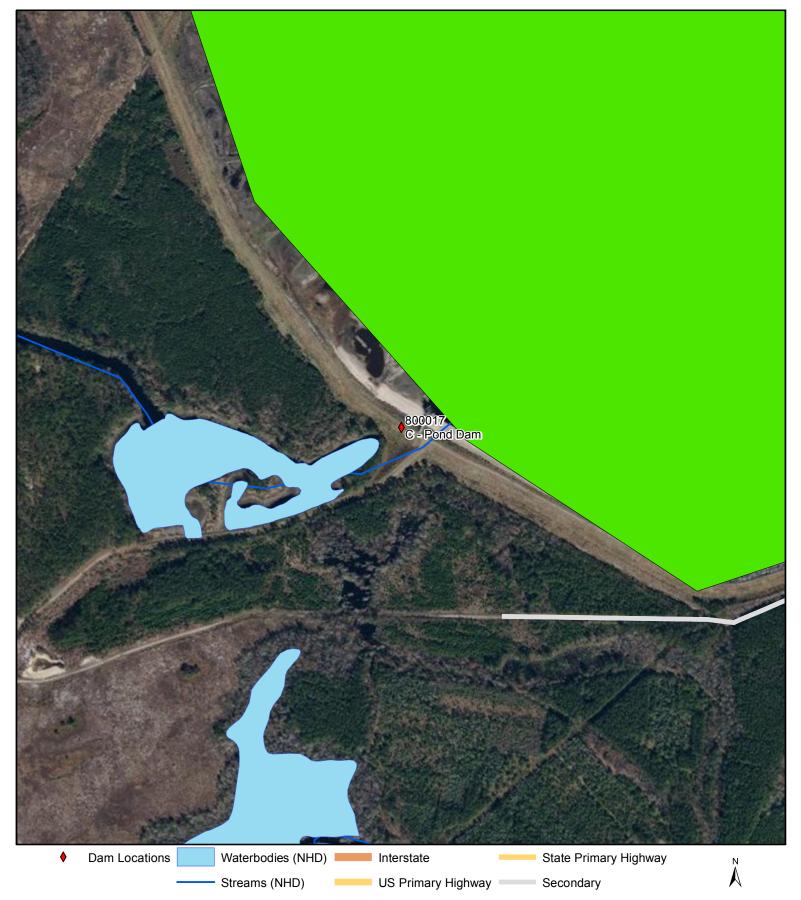
### Potential Impact Structures (count):

- 287 Homes
- 0 Businesses
- O Schools
- 0 Hospitals
- 0 Critical Infrastructure
- 0 Railroads
- 0 Utilities
- 0 Parks
- 0 Golf Courses

#### Dams Downstream:

• 55555

Dam Number: **800017** VAHU6: CU70 Region: 3 VA Senate: 14 VA House: 64 Congressional: 5104 Dam Name: **C - Pond Dam** Municipalities: City of Suffolk SWCD: PEANUT HUC 12: 030102020505 Watershed Name: Blackwater River-Union Camp Holding Pond USGS Topo: RIVERDALE



Department of Conservation and Recreation Division of Dam Safety and Flood Plain Management 600 E Main St, Richmond, VA 23219

General		
Name of Dam: Diascund Creek Dam	Inventory Number: 127003	
Hazard Classification: High	City/County: James City County, New Kent Coun	
Designed By:	Constructed By:	
Regional Engineer: Mark Killgore	Year Constructed: 01/01/1961	
Dam Owner: Leah O'Neil (primary)(757) 234-6809(Office); (757) 298- 3648(Mobile) 437 Waterworks Way Newport News VA, 23608	Size Classification: Medium (>= 1000 - <50,000 ac. ft., >=40' <100') Certificate Type: Regular Operation and Maintenance Certificate Certificate Expiration: 03/31/2024 Days Since Last Inspection: 154	
Tune of Dom	Inundation Report: 09/02/2011	
<b>Type of Dam</b> Earth (Primary)	<b>Reservoir Purpose</b> Water Supply (Primary) Recreation (Primary)	
<b>Туре of Spillway</b> <u>Туре</u>	Width Outlet Gates	
Watershed		
Nearest City:	Nearest City Distance: Miles	
River or Stream: DIASCUND CREEK		
Technical Basics		
Normal Pool Area: 1100.00 Acres	Top Surface Area: 2608.00 Acres	
Normal Pool Capacity: 11355.00 Acre-Feet	Top Capacity: 29093.00 Acre-Feet	
Normal Pool Elevation: 24.94 Feet	Top Elevation: 33.94 Feet	
Normal Pool Height: 26.00 Feet	Top Height: 35.00 Feet	
Technical Hydrology/Hydraulics		
Controlling PMP:	Drainage Area: 44.08 Sq. Mi.	
6 Hour PMP:	Time of Concentration:	
12 Hour PMP:	Weighted Curve Number:	

24 Hour PMP:

Available Spillway Design Flow: 1.00 PMF

IDA Spillway Reduction: Required Spillway Design Flow: .90 PMP

Date	Туре	Condition
12/15/2020	Engineer	Fair
5/31/2019	Engineer	Fair
10/4/2018	Engineer	Satisfactory

#### **EAP Quick Reference**

Approval Date: 08/18/2016 Expiration Date: 08/18/2024

#### **Dam Location**

Dam Address: 9550 Diascund Reservoir Rd Lanexa VA, 23089

#### E911 Direction to Dam:

The impoundment structure is found about 0.15 west down Diascund Reservoir Rd from the address point provided. The impoundment structure runs is directly adjacent to the road.

#### **EAP Contacts**

#### Dam Operator: Mike Hotaling

(757) 272-3748(Mobile); (primary)(757) 566-1339(Office) (primary)na 3629 George Washington Memorial Hwy Yorktown VA, 23693

#### Rain Gauge Observer: George Baker

(757) 272-3748(Mobile); (primary)(757) 566-1339(Office) (primary)na 3629 George Washington Memorial Hwy Yorktown VA, 23693

#### 24-Hour Dispatch Center: James City County

Police Dispatch (757) 564-2140(Office); (primary)(757) 566-0112(Office) (primary)na 4600 Opportunity Way Williamsburg VA, 23188

#### **Owner's Engineer**: Jonathan Keeling, PE (primary)(859) 422-3054(Office) (primary)Jon.Keeling@stantec.com 3052 Beaumont Centre Cir Lexington KY, 40513

#### Transportation Administrator: James Utterback

(757) 802-0005(Mobile); (primary)(757) 925-2500(Office); (757) 925-2511(Office) (primary)james.utterback@vdot.virginia.gov 1700 North Main St Suffolk VA, 23434

# Dam Alternate Operator:Scott Dewhirst

(757) 879-3324(Mobile); (primary)(757) 926-1150(Office) (primary)na@na.com 700 Town Center Dr Ste 500 Newport News VA, 23693

# Alternate Rain Gauge Observer:Jason Burke (primary)(757) 272-3752(Mobile)

(primary)na NA Na VA, 99999

# Local Government Emergency Services:Kate Hale

(primary)(757) 564-2140(Office); (757) 566-0112(Office) (primary)na 3127 Forge Rd Toano VA, 23168

#### **DCR Regional Engineer:**

Mark Killgore 804-786-1359 Mark.Killgore@dcr.virginia.gov 600 E. Main St., 24th Floor Richmond VA, 23219

### National Weather Service:Eric Seymour (primary)(757) 899-4200(Office); (757) 899-5734(Office); (757) 899-6401(Office) (primary)eric.seymour@noaa.gov 10009 General Mahone Highway Wakefield VA, 23888

#### Potential Impacts

#### Roadways Impacted:

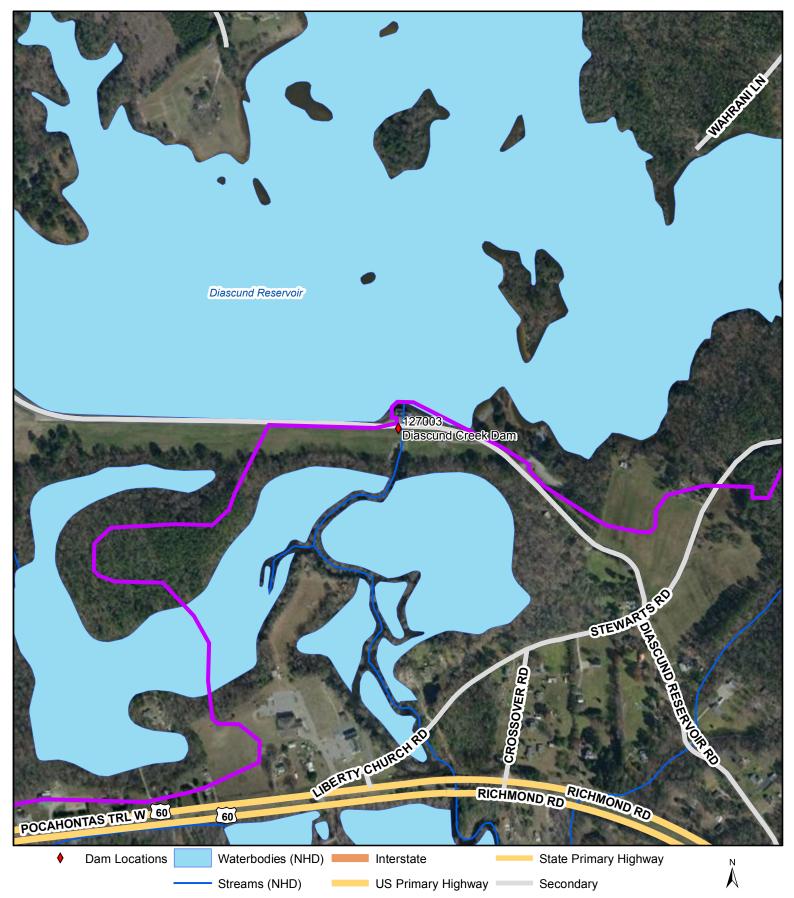
- Crossover Rd 0.9 miles downstream
- Diascund Rd 1.8 miles downstream
- Richmond Rd 1.8 miles downstream
- Stewarts Rd 0.8 miles downstream
- Hicks Island Rd 2.9 miles downstream
- Arlington Island Rd 3.8 miles downstream
- Forest Lake Rd 4.2 miles downstream
- River Rd 5.2 miles downstream
- Carter Rd 1.8 miles downstream
- Creeks End Rd 1 miles downstream
- Hubbard Rd 1.8 miles downstream
- Liberty Church Rd 0.9 miles downstream
- Liberty View Ln 1 miles downstream
- Pocahontas Trl 0.9 miles downstream
- Colony Trl 2.7 miles downstream
- Tyree Isle Rd 2.5 miles downstream
- Diascund Pte 3.1 miles downstream
- Lake Pointe Trl 4.2 miles downstream
- River Bend Trl 4.2 miles downstream
- Four Islands Trl 4.2 miles downstream
- Cove Ct 5 miles downstream
- Four Islands Trl 5 miles downstream
- John Smith Trl 6.2 miles downstream
- Moysonike Ct 5.2 miles downstream
- Two Rivers Trl 5.2 miles downstream

#### Dams Downstream:

#### Potential Impact Structures (count):

- 208 Homes
- Businesses
- Schools
- Hospitals
- Critical Infrastructure
- Railroads
- Utilities
- Parks
- Golf Courses

Dam Number: **127003** VAHU6: JL26,JL27 Region: 2 VA Senate: 3 VA House: 96,97 Congressional: 5101 Dam Name: **Diascund Creek Dam** Municipalities: James City County,New Kent County SWCD: COLONIAL HUC 12: 020802060602,020802060603 Watershed Name: Diascund Creek-Diascund Creek Reservoir,Diascund Creek USGS Topo: WALKERS



Department of Conservation and Recreation Division of Dam Safety and Flood Plain Management 600 E Main St, Richmond, VA 23219

General		
Name of Dam: Godwins Millpond Dam	Inventory Number: 800014	
Hazard Classification: High	City/County: City of Suffolk	
Designed By:	Constructed By:	
Regional Engineer: Mark Killgore	Year Constructed: 01/01/1960	
Dam Owner: Albert S Moor II (primary)(757) 514-7023(Office); (757) 651-	Size Classification: Small (>=50 - <1000 ac. ft., >=25' and <40') Certificate Type: Conditional 2 Year Certificate	
8476(Mobile)	Certificate Expiration: 04/30/2023	
442 W. Washington Street Suffolk VA, 23434	Days Since Last Inspection: 890	
	Inundation Report: 05/22/2014	
<b>Type of Dam</b> Earth (Primary)	<b>Reservoir Purpose</b> Water Supply (Primary) Recreation (Secondary)	
Type of Spillway	Width Outlet Cates	
Туре	Width Outlet Gates	
Watershed		
Nearest City: Portsmouth	Nearest City Distance: 14.10 Miles	
<b>River or Stream</b> : Chuckatuck Creek - VAHU6 JL42 Chuckatuck Creek		
Technical Basics		
Normal Pool Area: 22.60 Acres	Top Surface Area: 53.90 Acres	
Normal Pool Capacity: 165.00 Acre-Feet	Top Capacity: 214.00 Acre-Feet	
Normal Pool Elevation: 14.70 Feet	Top Elevation: 16.00 Feet	
Normal Pool Height: 12.70 Feet	Top Height: 14.00 Feet	
Technical Hydrology/Hydraulics		
Controlling PMP: 12-HR PMP	Drainage Area: 6.87 Sq. Mi.	
6 Hour PMP: 32.10	Time of Concentration:	
<b>12 Hour PMP</b> : 36.10	Weighted Curve Number:	

24 Hour PMP: 36.10 Available Spillway Design Flow: .21 PMF IDA Spillway Reduction: 320.00 YR Required Spillway Design Flow: .90 PMP

Date	Туре	Condition
12/10/2018	Engineer	Poor
11/7/2018	DCR Site Visit	Not Rated
10/31/2016	Overtopping	Poor

### **EAP Quick Reference**

Approval Date: 03/14/2013 Expiration Date: 03/14/2019

Dam Location	
Dam Address: 6145 Godwin Blvd Suffolk VA, 23432	E911 Direction to Dam: City Map No. 10*11A, Account No. 253093600 (60.83 acres)
EAP Contacts	
Dam Operator:	Dam Alternate Operator:
Rain Gauge Observer:	Alternate Rain Gauge Observer:
24-Hour Dispatch Center:	Local Government Emergency Services:
Owner's Engineer:	DCR Regional Engineer: Mark Killgore 804-786-1359 Mark.Killgore@dcr.virginia.gov 600 E. Main St., 24th Floor Richmond VA, 23219
Transportation Administrator:	National Weather Service:

### **Potential Impacts**

•

Roadways Impacted:

Dams Downstream:

downstream

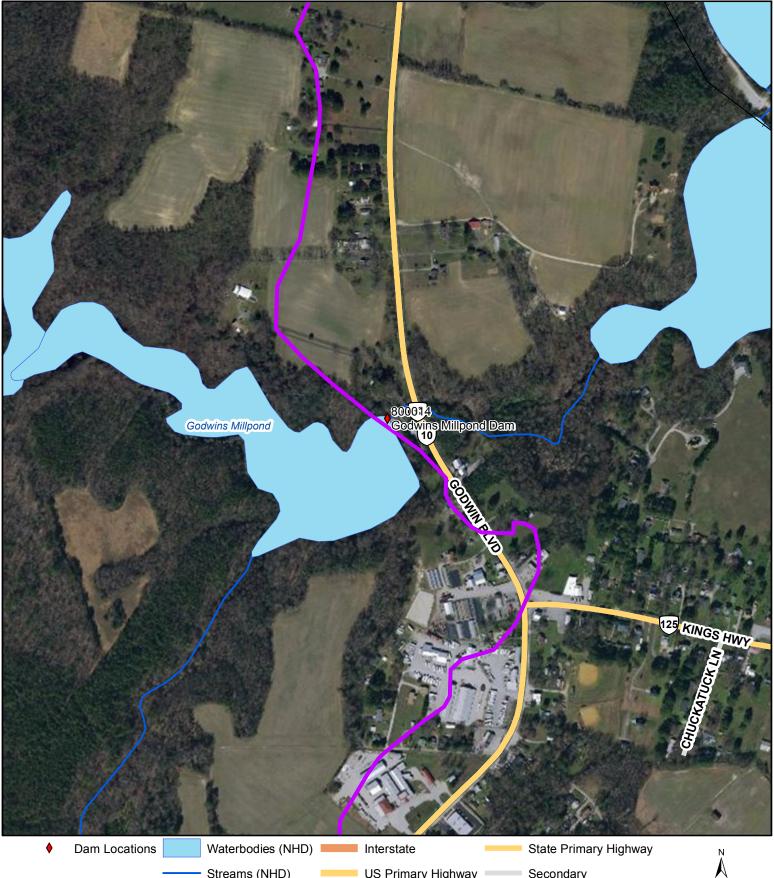
Route 10 Godwin Blvd - 0.04 miles

### Potential Impact Structures (count):

- 1 Homes
- 3 Businesses
- 0 Schools
- 0 Hospitals
- 0 Critical Infrastructure
- 0 Railroads
- 0 Utilities
- 0 Parks
- 0 Golf Courses

Dam Number: 800014 VAHU6: JL42 Region: 3 VA Senate: 18 VA House: 76 Congressional: 5103

Dam Name: Godwins Millpond Dam Municipalities: City of Suffolk SWCD: PEANUT HUC 12: 020802060905 Watershed Name: Chuckatuck Creek USGS Topo: CHUCKATUCK



US Primary Highway Secondary

Streams (NHD)

Department of Conservation and Recreation Division of Dam Safety and Flood Plain Management 600 E Main St, Richmond, VA 23219

General		
Name of Dam: Harwood's Mill Dam	Inventory Number: 199001	
Hazard Classification: High	City/County: York County	
Designed By:	Constructed By:	
Regional Engineer: Mark Killgore	Year Constructed: 01/01/1919	
<b>Dam Owner</b> : Leah O'Neil (primary)(757) 298-3648(Mobile)	Size Classification: Medium (>= 1000 - <50,000 ac. ft., >=40' <100') Certificate Type: Conditional 2 Year Certificate	
437 Waterworks Way	Certificate Expiration: 01/31/2023	
Newport News VA, 23608	Days Since Last Inspection: 207 Inundation Report: 08/01/2011	
<b>Type of Dam</b> Earth (Primary)	Reservoir Purpose Water Supply (Primary)	
<b>Туре of Spillway</b> <u>Туре</u>	Width Outlet Gates	
Watershed		
Nearest City:	Nearest City Distance: Miles	
River or Stream: POQUOSON RIVER		
Technical Basics		
Normal Pool Area: 274.00 Acres	Top Surface Area: 544.00 Acres	
Normal Pool Capacity: 2696.00 Acre-Feet	Top Capacity: 5845.00 Acre-Feet	
Normal Pool Elevation: 20.00 Feet	Top Elevation: 28.00 Feet	
Normal Pool Height: 19.00 Feet	Top Height: 27.00 Feet	
Technical Hydrology/Hydraulics		
Controlling PMP: Unknown	Drainage Area: 0.00 Sq. Mi.	
6 Hour PMP: 0.00	Time of Concentration:	
<b>12 Hour PMP</b> : 0.00	Weighted Curve Number:	
<b>24 Hour PMP</b> : 0.00	IDA Spillway Reduction:	

Available Spillway Design Flow: .60 PMF

inspections (Last 5 Max)			
Date	Туре	<b>Condition</b>	
10/23/2020	Owner	Poor	
10/10/2019	Engineer	Poor	
10/3/2018	Engineer	Fair	

#### **EAP Quick Reference**

Approval Date: 08/18/2016 Expiration Date: 08/18/2022

#### **Dam Location**

Dam Address: 3800 George Washington Memorial Hwy Yorktown VA, 23692 E911 Direction to Dam: The impoundment structure is directly across Route 17 from the E911 address point.

#### **EAP Contacts**

Dam Operator: Mike Hotaling (757) 272-3748(Mobile); (primary)(757) 566-1339(Office) (primary)na 3629 George Washington Memorial Hwy Yorktown VA, 23693

#### Rain Gauge Observer: George Baker

(757) 272-3748(Mobile); (primary)(757) 566-1339(Office) (primary)na 3629 George Washington Memorial Hwy Yorktown VA, 23693

#### 24-Hour Dispatch Center:

#### Owner's Engineer: Robert R Bowers

(primary)(215) 499-0510(Mobile); (484) 804-7200(Office) (primary)Robert.Bowers@ramboll.com 751 Arbor Way Suite 200 Blue Bell PA, 19422

#### Transportation Administrator: James Utterback

(757) 802-0005(Mobile); (primary)(757) 925-2500(Office); (757) 925-2511(Office) (primary)james.utterback@vdot.virginia.gov 1700 North Main St Suffolk VA, 23434

# Dam Alternate Operator:

#### Alternate Rain Gauge Observer: Jason Burke

(primary)(757) 272-3752(Mobile) (primary)na NA Na VA, 99999

#### Local Government Emergency Services:Stephen Kopczynski

(primary)(757) 890-3600(Office); (757) 890-3621(Office) (primary)na 301 Goodwin Neck Rd Yorktown VA, 23692

#### DCR Regional Engineer:

Mark Killgore 804-786-1359 Mark.Killgore@dcr.virginia.gov 600 E. Main St., 24th Floor Richmond VA, 23219

#### National Weather Service: Eric Seymour

(primary)(757) 899-4200(Office); (757) 899-5734(Office); (757) 899-6401(Office) (primary)eric.seymour@noaa.gov 10009 General Mahone Highway Wakefield VA, 23888

#### Potential Impacts

#### Roadways Impacted:

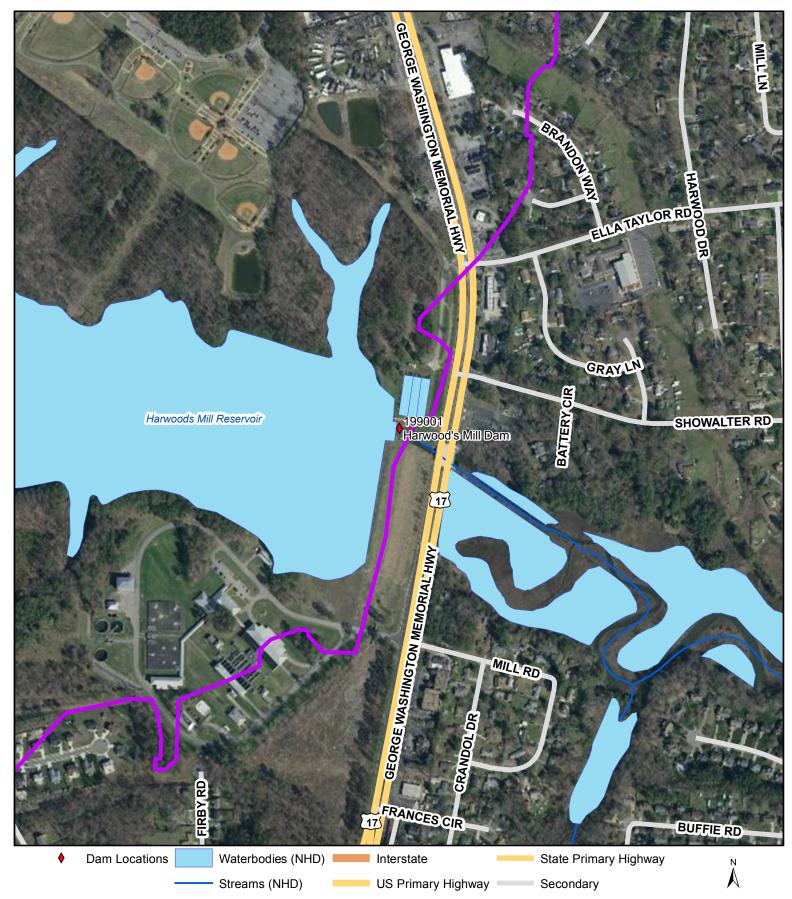
- 17 0.0 miles downstream
- Battery Cir 0.15 miles downstream
- Yorktown Rd 1.0 miles downstream
- Beecham Dr 0.8 miles downstream
- Key Cir 0.8 miles downstream
- Showalter Rd 1.2 miles downstream
- Hollywood Blvd 1.1 miles downstream
- Vine Dr 1.2 miles downstream
- Breezy Point Dr 1.9 miles downstream
- Granger Cir 2.2 miles downstream
- Carlton Dr 2.2 miles downstream
- Ryans Way 2.3 miles downstream
- Chris Ct 2.3 miles downstream
- Tide Mill Rd 2.4 miles downstream
- Moores Creek Dr 2.4 miles downstream
- Wilson Farm Ln 2.7 miles downstream
- Massie Ln 2.7 miles downstream
- Barclay Rd 2.7 miles downstream
- Shirley Dr 2.7 miles downstream
- Sylvia Dr 2.7 miles downstream
- Calthrop Neck Rd 2.7 miles downstream

#### Dams Downstream:

#### Potential Impact Structures (count):

- 172 Homes
- Businesses
- Schools
- Hospitals
- Critical Infrastructure
- Railroads
- Utilities
- Parks
- Golf Courses

Dam Number: **199001** VAHU6: CB21 Region: 2 VA Senate: 2,3 VA House: 91,93 Congressional: 5102 Dam Name: Harwood's Mill Dam Municipalities: York County SWCD: COLONIAL HUC 12: 020801080101 Watershed Name: Lower Chesapeake Bay-Poquoson River USGS Topo: POQUOSON WEST



Department of Conservation and Recreation Division of Dam Safety and Flood Plain Management 600 E Main St, Richmond, VA 23219

General		
Name of Dam: Lake Burnt Mills Dam	Inventory Num	iber: 800003
Hazard Classification: High	City/County: City of Suffolk, Isle of Wight County	
Designed By:	Constructed By:	
Regional Engineer: Mark Killgore	Year Construct	<b>ed</b> : 01/01/1942
Dam Owner: David S Rosenthal (757) 328-1787(Mobile); (primary)(757) 441- 5774(Office) 6040 Waterworks Rd	Size Classification: Medium (>= 1000 - <50,000 ac. ft., >=40' <100') Certificate Type: Regular Operation and Maintenance Certificate Certificate Expiration: 06/15/2026	
Norfolk VA, 23502	Days Since Last	t Inspection: 650
	Inundation Rep	<b>bort</b> : 07/01/2013
<b>Type of Dam</b> Earth (Primary)	<b>Reservoir Purpose</b> Water Supply (Primary) Recreation (Primary)	
Type of Spillway		
Туре	<u>Width</u>	Outlet Gates
Uncontrolled	3.50	Outfall Pipe - Circular Ductile Iron
Uncontrolled	56.50	Concrete Spillway - Ogee
None (Auxiliary)	.00	None
Watershed		
Nearest City: Suffolk	Nearest City D	Distance: 7.70 Miles
<b>River or Stream</b> : Western Branch of Nansemond River - VAHU6 JL47 Western Branch Reservoir		
Technical Basics		
Normal Pool Area: 600.00 Acres	Top Surface A	<b>rea</b> : 1050.00 Acres
Normal Pool Capacity: 10300.00 Acre-Feet	Top Capacity:	18500.00 Acre-Feet
Normal Pool Elevation: 35.00 Feet	Top Elevation	: 46.50 Feet
Normal Pool Height: 35.00 Feet	Top Height: 40	6.50 Feet

# Technical Hydrology/Hydraulics

Controlling PMP: 12-HR PMP	Drainage Area: 25.36 Sq. Mi.
6 Hour PMP: 29.70	Time of Concentration:
<b>12 Hour PMP</b> : 31.90	Weighted Curve Number:
<b>24 Hour PMP</b> : 31.90	IDA Spillway Reduction:
Available Spillway Design Flow: 1.00 PMF	Required Spillway Design Flow: .90 PMP

Date	Туре	<b>Condition</b>	
8/7/2019	Engineer	Fair	
3/21/2018	Engineer	Fair	
10/30/2015	Engineer	Satisfactory	

#### **EAP Quick Reference**

Approval Date: 09/16/2019 Expiration Date: 09/16/2025

#### **Dam Location**

Dam Address: 113 Lockwood Circle Suffolk VA, 23434 E911 Direction to Dam: 113 Lockwood Circle, Tax Map No. 17\*23, Acct No. 2518850000

#### **EAP Contacts**

Dam Operator: Chris E Harbin (primary)(757) 441-5678(Office); (757) 441-5774(Office); (757) 604-3365(Mobile) (primary)chris.harbin@norfolk.gov 6040 Waterworks Rd Norfolk VA, 23502

#### Rain Gauge Observer: Claude Stone

(primary)(757) 539-9281(Office); (757) 613-2081(Mobile) (primary)unknown@unknown.com 113 Lockwood Circle Suffolk VA, 23434

#### 24-Hour Dispatch Center: na na

(primary)(757) 925-2030(Office) (primary)na@na.com 300 King FOrk Road Suffolk VA, 23434

#### **Owner's Engineer:**

#### Transportation Administrator: Christopher G.

Hall (primary)(757) 956-3000(Office) (primary)christopher.hall@vdot.virginia.gov 7511 Burbage Drive Suffolk VA, 23435

#### Dam Alternate Operator:David S Rosenthal (757) 328-1787(Mobile); (primary)(757) 441-5678(Office); (757) 441-5774(Office) (primary)david.rosenthal@norfolk.gov 6040 Waterworks Road Norfolk VA, 23502

# Alternate Rain Gauge Observer:Cheryl Barnett

(primary)(757) 418-1916(Office) (primary)unknown@unknown.com 401 Monticello Avenue Norfolk VA, 23510

# Local Government Emergency Services:Brian Spicer

(primary)(757) 514-4532(Office); (757) 635-9402(Mobile) (primary)bspicer@suffolkva.us 300 Kings Fork Road Suffolk VA, 23434

#### **DCR Regional Engineer:**

Mark Killgore 804-786-1359 Mark.Killgore@dcr.virginia.gov 600 E. Main St., 24th Floor Richmond VA, 23219

National Weather Service:Eric Seymour (757) 899-2415(Office); (primary)(757) 899-4200(Office); (800) 737-8624(Office) (primary)eric.seymour@noaa.gov 1009 General Mahone Highway Wakefield VA, 23888

#### Potential Impacts

#### **Roadways Impacted:**

- Godwin Boulevard (US 32) .56 miles downstream
- Sack Point Road .6 miles downstream
- Wilroy Road 3.7 miles downstream
- US 58 4.6 miles downstream
- Nansemond Parkway 6.9 miles downstream
- N Main Street 7.3 miles downstream
- Portsmouth Boulevard (US 460) 7.9 miles downstream
- East Washington Street (US 58) 8.5 miles downstream

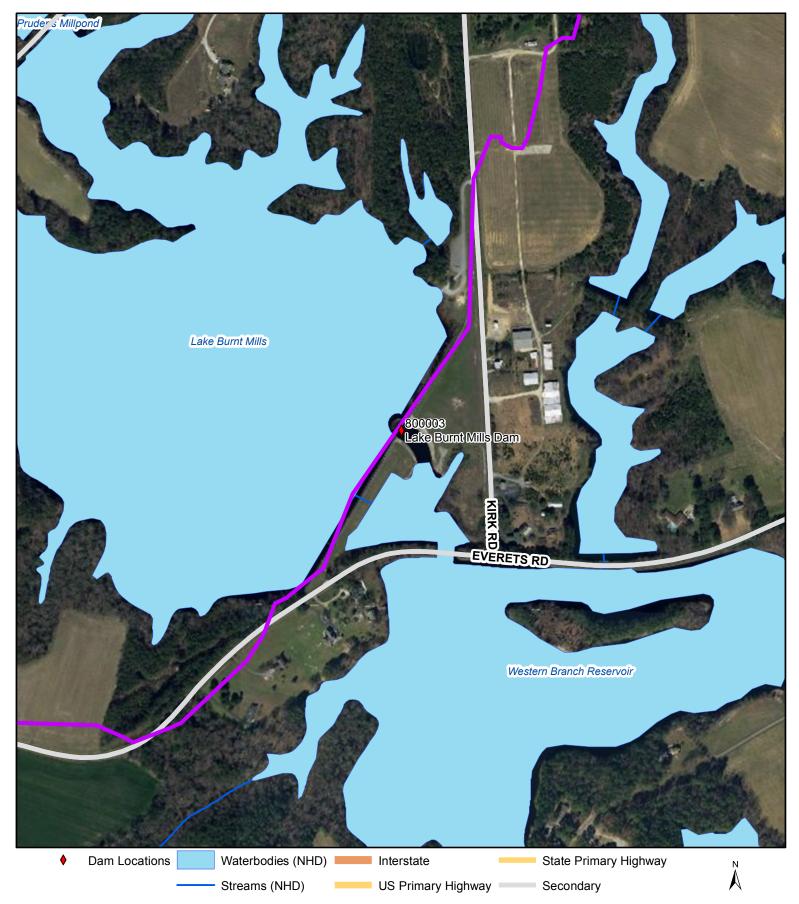
#### Dams Downstream:

• 800011

### Potential Impact Structures (count):

- 310 Homes
- 0 Businesses
- 0 Schools
- 0 Hospitals
- 0 Critical Infrastructure
- 0 Railroads
- 0 Utilities
- 0 Parks
- 0 Golf Courses

Dam Number: **800003** VAHU6: JL47 Region: 3 VA Senate: 18 VA House: 64,76 Congressional: 5103 Dam Name: Lake Burnt Mills Dam Municipalities: City of Suffolk,Isle of Wight County SWCD: PEANUT HUC 12: 020802080104 Watershed Name: Western Branch Reservoir USGS Topo: CHUCKATUCK,WINDSOR



Department of Conservation and Recreation Division of Dam Safety and Flood Plain Management 600 E Main St, Richmond, VA 23219

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Name of Dam: Lake Cohoon Dam	Inventory Num	<b>ber</b> : 800001
Hazard Classification: High	City/County: C	ity of Suffolk
Designed By:	Constructed By	:
Regional Engineer: Mark Killgore	Year Construct	ed: 01/01/1919
Dam Owner: Erin K Trimyer (primary)(757) 393-8691(Office) 801 Crawford Street Portsmouth VA, 23704	ft., >=40' <100') <b>Certificate Type</b> Maintenance C	e: Regular Operation and
	Days Since Last	Inspection: 404
	Inundation Rep	oort: 04/02/2020
<b>Type of Dam</b> Earth (Primary)	<b>Reservoir Purp</b> Water Supply (I	
Type of Spillway		
<u>Түре</u>	<u>Width</u>	Outlet Gates
Uncontrolled	300.00	Concrete Weir Structure
Uncontrolled (Auxiliary)	410.00	Earthen Spillway - Trapezoidal
Watershed		
Nearest City:	Nearest City D	istance: 0.10 Miles
River or Stream: COHOON CREEK		
Technical Basics		
Normal Pool Area: 602.00 Acres	Top Surface A	rea: 1010.00 Acres
Normal Pool Capacity: 6230.00 Acre-Feet	Top Capacity:	9300.00 Acre-Feet
Normal Pool Elevation: 28.50 Feet	Top Elevation:	: 34.80 Feet
Normal Pool Height: 29.00 Feet	Top Height: 28	3.80 Feet
Technical Hydrology/Hydraulics		
Controlling PMP: 6-HR PMP	Drainage Area	: 33.83 Sq. Mi.
6 Hour PMP: 29.90	Time of Conce	ntration

<b>12 Hour PMP</b> : 32.10	
<b>24 Hour PMP</b> : 32.10	
Available Spillway Design Flow: .48 PMP	

Weighted Curve Number: IDA Spillway Reduction: .90 PMP Required Spillway Design Flow: .90 PMP

Date	Туре	Condition
4/9/2020	Engineer	Satisfactory
5/1/2019	Engineer	Satisfactory
5/1/2018	Engineer	Satisfactory

#### **EAP Quick Reference**

Approval Date: 07/13/2015 Expiration Date: 07/31/2021

#### **Dam Location**

Dam Address:	E911 Direction to Dam:
1800 Pitchkettle Rd	Access road to spillway West off Pitchkettle Road.
Suffolk VA, 23434	Look for maroon sign saying "Lake Cohoon
	Sation" inside low chain link fence. Access road
	directly across from brick residential home at
	1800 Pitchkettle Road.

#### **EAP** Contacts

Dam Operator: C.B. Umphlette	Dam Alternate Operator: Bryan Foster
(757) 235-9478(Mobile); (primary)(757) 539-	(primary)(757) 393-8691(Office)
2201(Office)	(primary)na
(primary)cumphlette@portsmouthhighqualityh2o.org	P.O.Box 490
Lake Kilby WTP	Portsmouth VA, 23705
105 Maury Place	
Suffolk VA, 23434	

#### **Rain Gauge Observer:**

#### 24-Hour Dispatch Center: NA NA

(primary)(757) 925-1439(Office) (primary)na na Sulffolk VA, 12345

**Owner's Engineer**:

#### **Transportation Administrator:**

#### Alternate Rain Gauge Observer:

# Local Government Emergency Services: Jim Judkins, Jr

(primary)(757) 514-7586(Office); (757) 925-2030(Mobile) (primary)na 300 Kings Fork Road Suffolk VA, 23434

#### **DCR Regional Engineer:**

Mark Killgore 804-786-1359 Mark.Killgore@dcr.virginia.gov 600 E. Main St., 24th Floor Richmond VA, 23219

National Weather Service:Eric Seymour (primary)(757) 899-5734(Office) (primary)Eric.Seymour@noaa.gov 10009 General Mahone Hwy Wakefield VA, 23888

#### Potential Impacts

#### Roadways Impacted:

- 604 0.15 miles downstream
- 13 1.32 miles downstream
- 460 4.0 miles downstream
- 604 3.7 miles downstream
- 58 4.8 miles downstream

#### Dams Downstream:

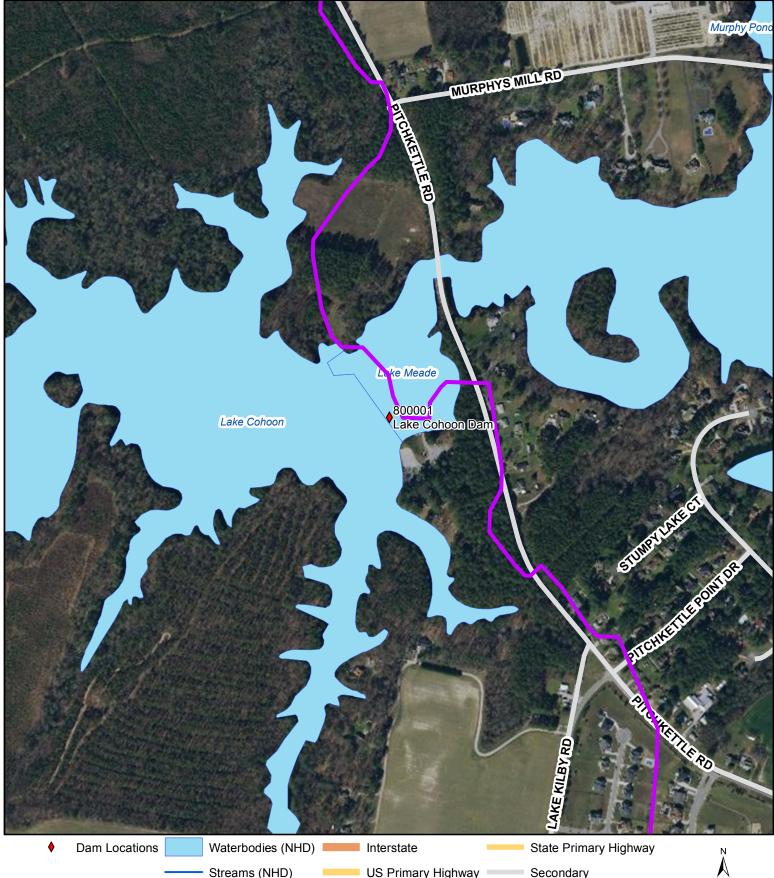
• 800013

# Potential Impact Structures (count):

- 39 Homes
- 1 Businesses
- Schools
- Hospitals
- Critical Infrastructure
- 1 Railroads
- Utilities
- Parks
- Golf Courses

Dam Number: 800001 VAHU6: JL45 Region: 3 VA Senate: 14 VA House: 76 Congressional: 5104

Dam Name: Lake Cohoon Dam Municipalities: City of Suffolk SWCD: PEANUT HUC 12: 020802080102 Watershed Name: Cohoon Creek USGS Topo: CHUCKATUCK,WINDSOR



US Primary Highway Secondary

Streams (NHD)

Department of Conservation and Recreation Division of Dam Safety and Flood Plain Management 600 E Main St, Richmond, VA 23219

General		
Name of Dam: Lake Kilby Dam	Inventory Num	<b>ber</b> : 800002
Hazard Classification: High	City/County: Ci	ity of Suffolk
Designed By:	Constructed By	:
Regional Engineer: Mark Killgore	Year Constructe	ed: 01/01/1892
<b>Dam Owner</b> : Erin K Trimyer (primary)(757) 393-8691(Office) 801 Crawford Street Portsmouth VA, 23704	ft., >=40' <100') <b>Certificate Type</b> Maintenance Ce	e: Regular Operation and
	Days Since Last	Inspection: 404
	Inundation Rep	ort: 04/02/2020
<b>Type of Dam</b> Earth (Primary)	<b>Reservoir Purpo</b> Water Supply (F Recreation (Prir	Primary)
Type of Spillway		
Туре	<u>Width</u>	Outlet Gates
Uncontrolled	150.00	Concrete Spillway - Trapezoidal
None (Auxiliary)	.00	None
Watershed		
Nearest City:	Nearest City D	istance: 0.00 Miles
River or Stream: PITCH KETTLE CREEK		
Technical Basics		
Normal Pool Area: 191.00 Acres	Top Surface Ar	r <b>ea</b> : 284.00 Acres
Normal Pool Capacity: 1850.00 Acre-Feet	Top Capacity:	3400.00 Acre-Feet
Normal Pool Elevation: 19.50 Feet	Top Elevation:	25.10 Feet
Normal Pool Height: 0.00 Feet	Top Height: 18	3.60 Feet
Technical Hydrology/Hydraulics		
Controlling PMP: 6-HR PMP	Drainage Area	: 22.00 Sq. Mi.

6 Hour PMP: 31.10	Time of Concentration: 240.00
<b>12 Hour PMP</b> : 33.70	Weighted Curve Number:
<b>24 Hour PMP</b> : 33.70	IDA Spillway Reduction: .90 PMP
Available Spillway Design Flow: .25 PMP	Required Spillway Design Flow: .90 PMP

Date	<u>Type</u>	<u>Condition</u>
4/9/2020	Engineer	Satisfactory
12/16/2019	DCR Site Visit	Not Rated
5/1/2019	Engineer	Satisfactory

# EAP Quick Reference

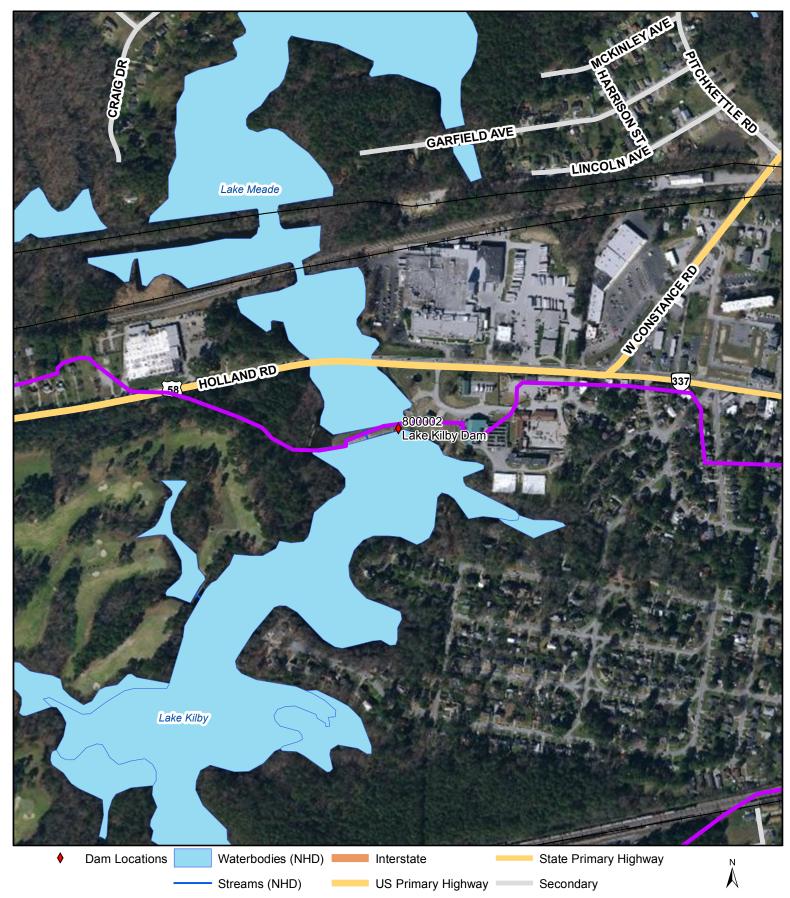
Approval Date: 07/13/2015 Expiration Date: 07/31/2021

Dam Location	
Dam Address: 1227 Holland Road Suffolk VA, 23434	E911 Direction to Dam: US58 West Washington Street, City Tax Map No. 34*35 a 905.32 acre parcel (Account No. 152619000) at 1227 Holland Road, Suffolk VA 23434.
EAP Contacts	
Dam Operator:	Dam Alternate Operator:
Rain Gauge Observer:	Alternate Rain Gauge Observer:
24-Hour Dispatch Center:	Local Government Emergency Services:
Owner's Engineer:	<b>DCR Regional Engineer</b> : Mark Killgore
	804-786-1359 Mark.Killgore@dcr.virginia.gov 600 E. Main St., 24th Floor Richmond VA, 23219
Transportation Administrator:	National Weather Service:

Roadways Impacted:	Potential Impact Structures (count):
	Homes
	Businesses
Dams Downstream:	Schools
• 800013	Hospitals
	Critical Infrastructure
	Railroads
	Utilities
	Parks

• Golf Courses

Dam Number: **800002** VAHU6: JL44 Region: 3 VA Senate: 14 VA House: 76 Congressional: 5104 Dam Name: Lake Kilby Dam Municipalities: City of Suffolk SWCD: PEANUT HUC 12: 020802080101 Watershed Name: Lake Kelby-Speights Run USGS Topo: SUFFOLK



Department of Conservation and Recreation Division of Dam Safety and Flood Plain Management 600 E Main St, Richmond, VA 23219

General	
Name of Dam: Lake Matoaka Dam	Inventory Number: 830001
Hazard Classification: High	City/County: City of Williamsburg
Designed By:	Constructed By:
Regional Engineer: Mark Killgore	Year Constructed: 01/01/1694
<b>Dam Owner</b> : Benjamin Mulherin (primary)(757) 221-1205(Office)	Size Classification: Small (>=50 - <1000 ac. ft., >=25' and <40') Certificate Type: Conditional 2 Year Certificate
Dept. of Facilities Mgmt P.O. Box 8795	Certificate Expiration: 01/31/2019
Williamsburg VA, 23187	Days Since Last Inspection: 1762 Inundation Report: 06/06/2011
<b>Type of Dam</b> Earth (Primary)	Reservoir Purpose Recreation (Primary)
<b>Туре of Spillway</b> <u>Туре</u>	Width Outlet Gates
Watershed	
Nearest City:	Nearest City Distance: 0.00 Miles
River or Stream: COLLEGE CREEK	
Technical Basics	
Normal Pool Area: 60.00 Acres	Top Surface Area: 86.00 Acres
Normal Pool Capacity: 167.00 Acre-Feet	Top Capacity: 587.00 Acre-Feet
Normal Pool Elevation: 22.70 Feet	Top Elevation: 31.40 Feet
Normal Pool Height: 15.30 Feet	Top Height: 24.00 Feet
Technical Hydrology/Hydraulics	
Controlling PMP: Unknown	Drainage Area: 2.34 Sq. Mi.
6 Hour PMP: 0.00	Time of Concentration:
<b>12 Hour PMP</b> : 0.00	Weighted Curve Number:
<b>24 Hour PMP</b> : 0.00	IDA Spillway Reduction:

Date	Type	<b>Condition</b>	
7/21/2016	Engineer	Fair	
7/30/2015	Owner	Fair	
10/6/2009	Engineer	Satisfactory	

Approval Date: 04/30/2008 Expiration Date: 04/30/2014

### **Dam Location**

Dam Address:E911 Direction to Dam:950 Jamestown RdThe address point provided is the structureWilliamsburg VA, 51830immediately southeast (across the street) from<br/>the dam.

### **EAP Contacts**

**Dam Operator**: David Shepard (primary)(757) 221-1205(Office) (primary)na P.O. Box 8795 Williamsburg VA, 23187

### Rain Gauge Observer: John Mattie

(primary)(757) 221-2256(Office); (757) 464-2269(Home) (primary)na P.O. Box 8795 Williamsburg VA, 23187

### 24-Hour Dispatch Center: Emergency Services

Coordinator (primary)(757) 220-6220(Office) (primary)na 412 N Boundary St Williamsburg VA, 23185

### **Owner's Engineer:**

### Transportation Administrator: Jim Brewer

(primary)(757) 253-4832(Office) (primary)na 4451 Ironbound Rd Williamsburg VA, 23188

### Dam Alternate Operator:John McFarlane (primary)(757) 221-2256(Office); (757) 464-2669(Home) (primary)na P.O. Box 8795 Williamsburg VA, 23187

Alternate Rain Gauge Observer:Matt Trowbridge (primary)(757) 221-1830(Office); (757) 725-4644(Home)

(primary)na P.O. Box 8795 Williamsburg VA, 23187

Local Government Emergency Services: Chief T. K. Weiler (primary)(757) 220-6220(Office) (primary)na 412 N Boundary St Williamsburg VA, 23185

### DCR Regional Engineer:

Mark Killgore 804-786-1359 Mark.Killgore@dcr.virginia.gov 600 E. Main St., 24th Floor Richmond VA, 23219

National Weather Service:Eric Seymour (primary)(757) 899-4200(Office); (757) 899-5734(Office); (757) 899-6401(Office) (primary)eric.seymour@noaa.gov 10009 General Mahone Highway Wakefield VA, 23888

### Potential Impacts

### Roadways Impacted:

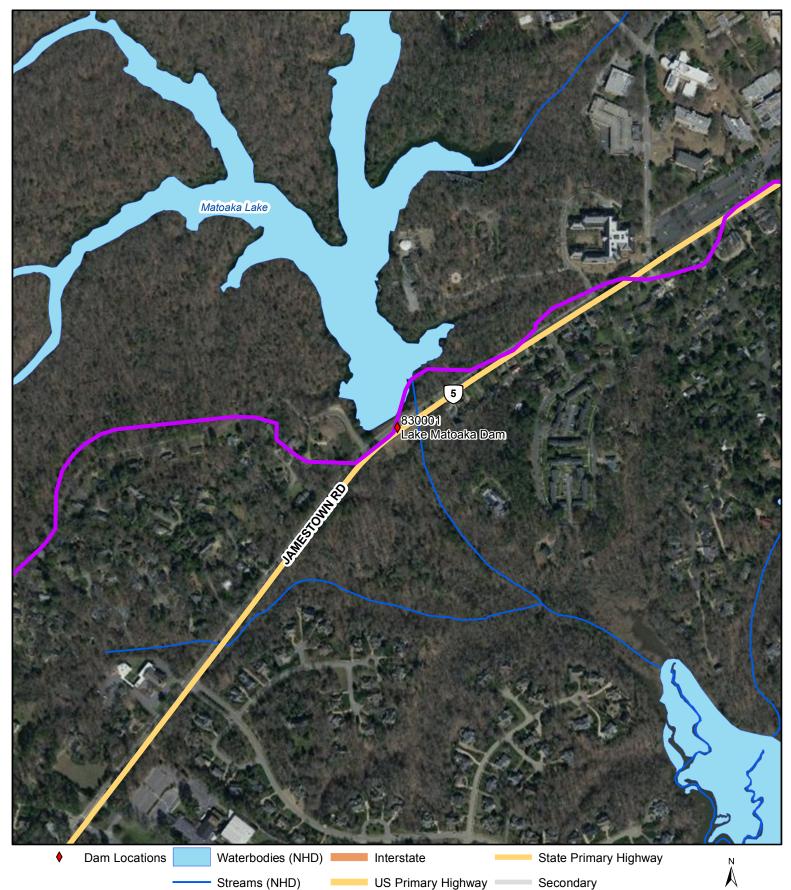
• 199 - 1.33 miles downstream

### Dams Downstream:

## Potential Impact Structures (count):

- 7 Homes
- 2 Businesses
- O Schools
- 0 Hospitals
- 0 Critical Infrastructure
- 0 Railroads
- 4 Utilities
- 0 Parks
- 0 Golf Courses

Dam Number: **830001** VAHU6: JL34 Region: 2 VA Senate: 1 VA House: 93 Congressional: 5102 Dam Name: Lake Matoaka Dam Municipalities: City of Williamsburg SWCD: COLONIAL HUC 12: 020802060801 Watershed Name: College Creek USGS Topo: WILLIAMSBURG



General	
Name of Dam: Lake Meade Dam	Inventory Number: 800013
Hazard Classification: High	City/County: City of Suffolk
Designed By:	Constructed By:
Regional Engineer: Mark Killgore	Year Constructed: 01/01/1958
<b>Dam Owner</b> : Erin K Trimyer (primary)(757) 393-8691(Office)	Size Classification: Medium (>= 1000 - <50,000 ac. ft., >=40' <100') Certificate Type: Conditional 2 Year Certificate
801 Crawford Street Portsmouth VA, 23704	Certificate Expiration: 08/15/2022
	Days Since Last Inspection: 404
	Inundation Report: 04/02/2020
<b>Type of Dam</b> Gravity (Primary)	Reservoir Purpose Water Supply (Primary)
<b>Туре of Spillway</b> <u>Туре</u>	Width Outlet Gates
Watershed	
Nearest City: Suffolk	Nearest City Distance: 1.30 Miles
<b>River or Stream</b> : Nansemond River - VAHU6 JL48 Nansemond River - Cedar Lake	
Technical Basics	
Nermal Deal Area, E00.00 Arres	
Normal Pool Area: 590.00 Acres	Top Surface Area: 680.00 Acres
Normal Pool Area: 590.00 Acres Normal Pool Capacity: 6445.00 Acre-Feet	Top Surface Area: 680.00 Acres Top Capacity: 9281.00 Acre-Feet
	•
Normal Pool Capacity: 6445.00 Acre-Feet	Top Capacity: 9281.00 Acre-Feet
Normal Pool Capacity: 6445.00 Acre-Feet Normal Pool Elevation: 12.50 Feet Normal Pool Height: 20.00 Feet Technical Hydrology/Hydraulics	Top Capacity: 9281.00 Acre-Feet Top Elevation: 17.50 Feet Top Height: 25.00 Feet
Normal Pool Capacity: 6445.00 Acre-Feet Normal Pool Elevation: 12.50 Feet Normal Pool Height: 20.00 Feet	Top Capacity: 9281.00 Acre-Feet Top Elevation: 17.50 Feet Top Height: 25.00 Feet Drainage Area: 64.40 Sq. Mi.
Normal Pool Capacity: 6445.00 Acre-Feet Normal Pool Elevation: 12.50 Feet Normal Pool Height: 20.00 Feet Technical Hydrology/Hydraulics	Top Capacity: 9281.00 Acre-Feet Top Elevation: 17.50 Feet Top Height: 25.00 Feet
Normal Pool Capacity: 6445.00 Acre-Feet Normal Pool Elevation: 12.50 Feet Normal Pool Height: 20.00 Feet Technical Hydrology/Hydraulics Controlling PMP: 6-HR PMP	Top Capacity: 9281.00 Acre-Feet Top Elevation: 17.50 Feet Top Height: 25.00 Feet Drainage Area: 64.40 Sq. Mi.

Available Spillway Design Flow: .35 PMP

### Inspections (Last 3 Max)

Approval Date: 08/10/2020 Expiration Date: 08/10/2026

# Dam Location

Dam Address: 201 Holly Lawn Parkway Suffolk VA, 23434	E911 Direction to Dam: On Nansemond River at City owned Parcel No. 253060000 (768.11 acres). Access dam from south side near 930 E. Riverside Road (Lot 42B), City Parcel 353389000
EAP Contacts	
Dam Operator: CB Umphlette (757) 235-9478(Mobile); (primary)(757) 539- 2201(Office) (primary)cumphlette@portsmouthhighqualityh2 o.org 105 Maury PI Suffolk VA, 23434	Dam Alternate Operator:City of Portsmouth Plant Operator (757) 235-9475(Mobile); (757) 235-9477(Mobile); (primary)(757) 539-2201(Office) (primary)name@portsmouthva.gov 105 Maury Place Suffolk VA, 23434
Rain Gauge Observer: City of Portsmouth Plant Operator (757) 235-9475(Mobile); (757) 235-9477(Mobile); (primary)(757) 539-2201(Office) (primary)name@portsmouthva.gov 105 Maury Place Suffolk VA, 23434	Alternate Rain Gauge Observer:CB Umphlette (757) 235-9478(Mobile); (primary)(757) 539- 2201(Office) (primary)cumphlette@portsmouthhighqualityh2 o.org 105 Maury Pl Suffolk VA, 23434
<b>24-Hour Dispatch Center</b> : Suffolk Emergency Management (primary)(757) 514-4536(Office) (primary)name@name.com 300 Kings Fork Road Suffolk VA, 23434	Local Government Emergency Services:Brian Spicer (primary)(757) 514-4532(Office); (757) 635- 9402(Mobile) (primary)bspicer@suffolkva.us 300 Kings Fork Road Suffolk VA, 23434
Owner's Engineer:	DCR Regional Engineer: Mark Killgore 804-786-1359 Mark.Killgore@dcr.virginia.gov 600 E. Main St., 24th Floor Richmond VA, 23219
<b>Transportation Administrator</b> :Suffolk Traffic Engineering (primary)(757) 514-7603(Office) (primary)trafficengineering@suffolkva.us	National Weather Service:Eric Seymour (primary)(757) 899-5734(Office) (primary)Eric.Seymour@noaa.gov 10009 General Mahone Hwy

### **Potential Impacts**

### **Roadways Impacted:**

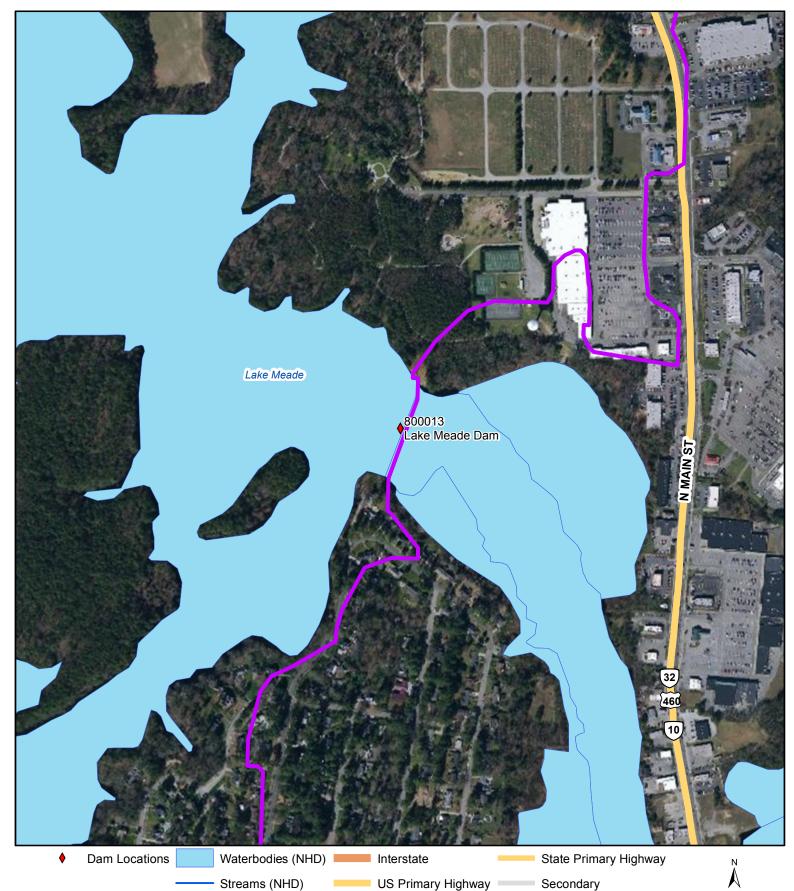
- CHURCH ST 0.6 miles downstream
- DAY ST 0.6 miles downstream
- DUMVILLE AVE 0.1 miles downstream
- DUMVILLE LN 0.6 miles downstream
- E CONSTANCE RD 0.6 miles downstream
- E RIVERVIEW DR 0.0 miles downstream
- ELEY ST 0.4 miles downstream
- FORT ST 0.0 miles downstream
- JOHNSON LN 0.6 miles downstream
- JONES ST 0.0 miles downstream
- LEXINGTON AVE 0.6 miles downstream
- MAHAN ST 0.6 miles downstream
- N MAIN ST 0.6 miles downstream
- RIVERVIEW CT 0.6 miles downstream
- W CONSTANCE RD 0.6 miles downstream
- W RIVERVIEW DR 0.0 miles downstream
- WESTERN AVE 0.6 miles downstream

### Dams Downstream:

### Potential Impact Structures (count):

- 86 Homes
- 29 Businesses
- 0 Schools
- 0 Hospitals
- 0 Critical Infrastructure
- 5 Railroads
- 0 Utilities
- 2 Parks
- 0 Golf Courses

Dam Number: **800013** VAHU6: JL44,JL45,JL48 Region: 3 VA Senate: 14 VA House: 76 Congressional: 5104 Dam Name: Lake Meade Dam Municipalities: City of Suffolk SWCD: PEANUT HUC 12: 020802080101,020802080102,020802080105 Watershed Name: Cohoon Creek,Lake Kelby-Speights Run,Nansemond Riv USGS Topo: SUFFOLK



General		
Name of Dam: Lake Smith Dam	Inventory Number:	810005
Hazard Classification: High	City/County: City of	Virginia Beach
Designed By:	Constructed By:	
Regional Engineer: Mark Killgore	Year Constructed: 0	1/01/1885
Dam Owner: Robert Carteris (primary)(757) 664-6727(Office)	ft., >=40' <100')	Aedium (>= 1000 - <50,000 ac. nditional 2 Year Certificate
401 Monticello Ave Norfolk VA, 23510	Certificate Expiratio	<b>n:</b> 03/31/2023
	Days Since Last Insp	ection: 131
	Inundation Report:	12/01/2010
<b>Type of Dam</b> Earth (Primary)	<b>Reservoir Purpose</b> Water Supply (Prima Recreation (Seconda	
Type of Spillway		
<u>Type</u> Uncontrolled	Width 10.00	<u>Outlet Gates</u> Outfall Structure - Rectangular Concrete Box Culvert
Uncontrolled (Auxiliary)	.00	None
Watershed		
Nearest City: Norfolk	Nearest City Distan	ce: 7.10 Miles
<b>River or Stream</b> : Direct to Little Creek Reservoir - VAHU6 CB26 Lower Chesapeake Bay - Little Creek		
Technical Basics		
Normal Pool Area: 193.00 Acres	Top Surface Area: 2	277.00 Acres
Normal Pool Capacity: 906.00 Acre-Feet	Top Capacity: 1385	.00 Acre-Feet
Normal Pool Elevation: 7.16 Feet	Top Elevation: 15.3	5 Feet
Normal Pool Height: 7.16 Feet	Top Height: 15.35 F	eet

# Technical Hydrology/Hydraulics

Controlling PMP: 12-HR PMP	Drainage Area: 5.89 Sq. Mi.
6 Hour PMP: 32.60	Time of Concentration: 350.00
<b>12 Hour PMP</b> : 36.80	Weighted Curve Number: 72
<b>24 Hour PMP</b> : 36.80	IDA Spillway Reduction:
Available Spillway Design Flow: .60 PMF	Required Spillway Design Flow: .90 PMP

## Inspections (Last 3 Max)

Date	Туре	<b>Condition</b>	
1/7/2021	Engineer	Fair	
8/5/2019	Engineer	Fair	
7/26/2018	DCR Site Visit	Not Rated	

Approval Date: 05/31/2012 Expiration Date: 05/31/2018

### **Dam Location**

Dam Address: 5337 Northampton Boulevard Virginia Beach VA, 23455 E911 Direction to Dam: Lake Smith Fishing Station between Shell Road (to west) and Jack Frost Road (to east); GPIN 14696271750000

### **EAP Contacts**

Dam Operator: Chris Harbin
(primary)(757) 441-5678(Office); (757) 604-
3365(Mobile)
(primary)chris.harbin@norfolk.gov
6040 Waterworks Road
Norfolk VA, 23502

### Rain Gauge Observer: David S Rosenthal

(757) 328-1787(Mobile); (primary)(757) 441-5774(Office) (primary)david.rosenthal@norfolk.gov 6040 Waterworks Rd Norfolk VA, 23502

### 24-Hour Dispatch Center: NA NA

(primary)(757) 385-2703(Office) (primary)na 3661 East Virginia Beach Blvd Norfolk VA, 23502

**Owner's Engineer:** 

Transportation Administrator:

Dam Alternate Operator: The Garrison (primary)(757) 646-1205 (Mobile) (primary) the.garrison@norfolk.gov null Norfolk VA, 12345

### Alternate Rain Gauge Observer:

Local Government Emergency Services:Wallace Twigg (primary)(804) 897-6500(Office) (primary)wallace.twigg@vdem.virginia.gov null Null VA, 12345

### DCR Regional Engineer:

Mark Killgore 804-786-1359 Mark.Killgore@dcr.virginia.gov 600 E. Main St., 24th Floor Richmond VA, 23219

National Weather Service:Eric Seymour (primary)(757) 899-5734(Office) (primary)Eric.Seymour@noaa.gov 10009 General Mahone Hwy Wakefield VA, 23888

### Potential Impacts

## Roadways Impacted:

- 13 .01 miles downstream
- 60 1 miles downstream

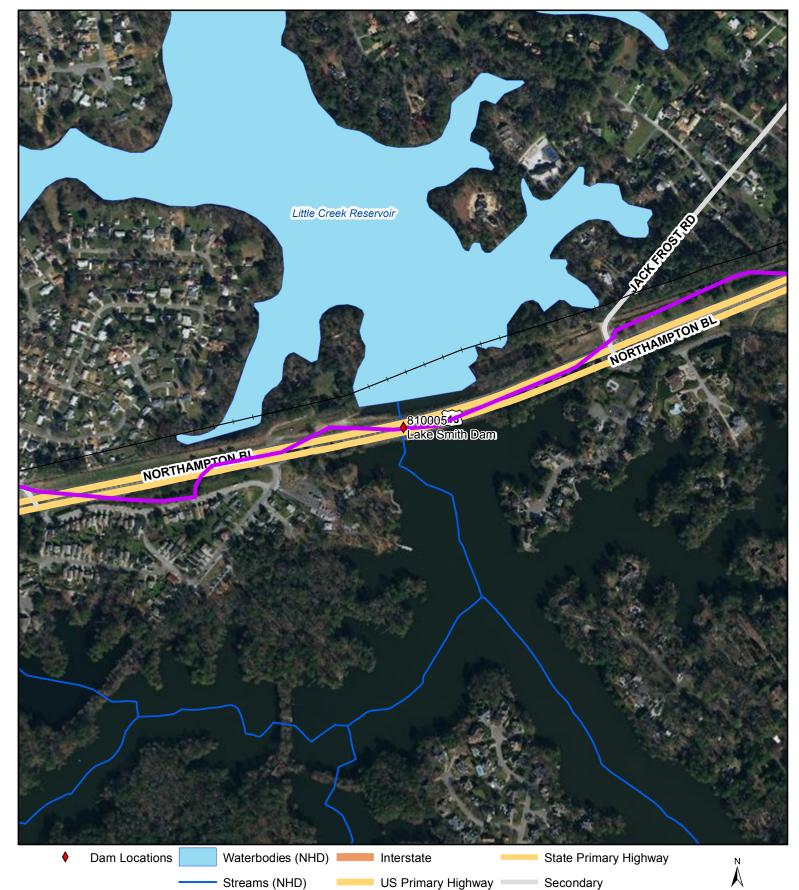
### Dams Downstream:

• 810006

## Potential Impact Structures (count):

- 352 Homes
- Businesses
- Schools
- Hospitals
- Critical Infrastructure
- Railroads
- Utilities
- Parks
- Golf Courses

Dam Number: **810005** VAHU6: CB26 Region: 3 VA Senate: 7 VA House: 83 Congressional: 5102 Dam Name: Lake Smith Dam Municipalities: City of Virginia Beach SWCD: VIRGINIA DARE HUC 12: 020801080202 Watershed Name: Lower Chesapeake Bay-Little Creek USGS Topo: LITTLE CREEK



General	
Name of Dam: Lake Whitehurst Dam	Inventory Number: 710002
Hazard Classification: High	City/County: City of Norfolk, City of Virginia Beach
Designed By:	Constructed By:
Regional Engineer: Mark Killgore	Year Constructed: 01/01/1900
Dam Owner: David S Rosenthal (757) 328-1787(Mobile); (primary)(757) 441-	<b>Size Classification</b> : Medium (>= 1000 - <50,000 ac. ft., >=40' <100') <b>Certificate Type</b> :
5774(Office) 6040 Waterworks Road	Certificate Expiration:
Norfolk VA, 23502	Days Since Last Inspection: 651
	Inundation Report: 12/01/2010
<b>Type of Dam</b> Gravity (Primary)	<b>Reservoir Purpose</b> Water Supply (Primary) Recreation (Secondary)
<b>Туре of Spillway</b> <u>Түре</u>	Width Outlet Gates
Watershed	
Nearest City: Norfolk	Nearest City Distance: 6.90 Miles
<b>River or Stream</b> : Little Creek - VAHU6 CB26 Lower Chesapeake Bay - Little Creek	
Technical Basics	
Normal Pool Area: 480.00 Acres	Top Surface Area: 415.00 Acres
Normal Pool Capacity: 0.00 Acre-Feet	Top Capacity: 4200.00 Acre-Feet
Normal Pool Elevation: 6.05 Feet	Top Elevation: 11.30 Feet
Normal Pool Height: 0.00 Feet	Top Height: 26.00 Feet
Technical Hydrology/Hydraulics	
Controlling PMP: Unknown	Drainage Area: 6.08 Sq. Mi.
6 Hour PMP: 0.00	Time of Concentration: 233.30
<b>12 Hour PMP</b> : 0.00	Weighted Curve Number: 76

24 Hour PMP: 0.00 Available Spillway Design Flow: .50 PMF IDA Spillway Reduction: Required Spillway Design Flow: .90 PMP

## Inspections (Last 3 Max)

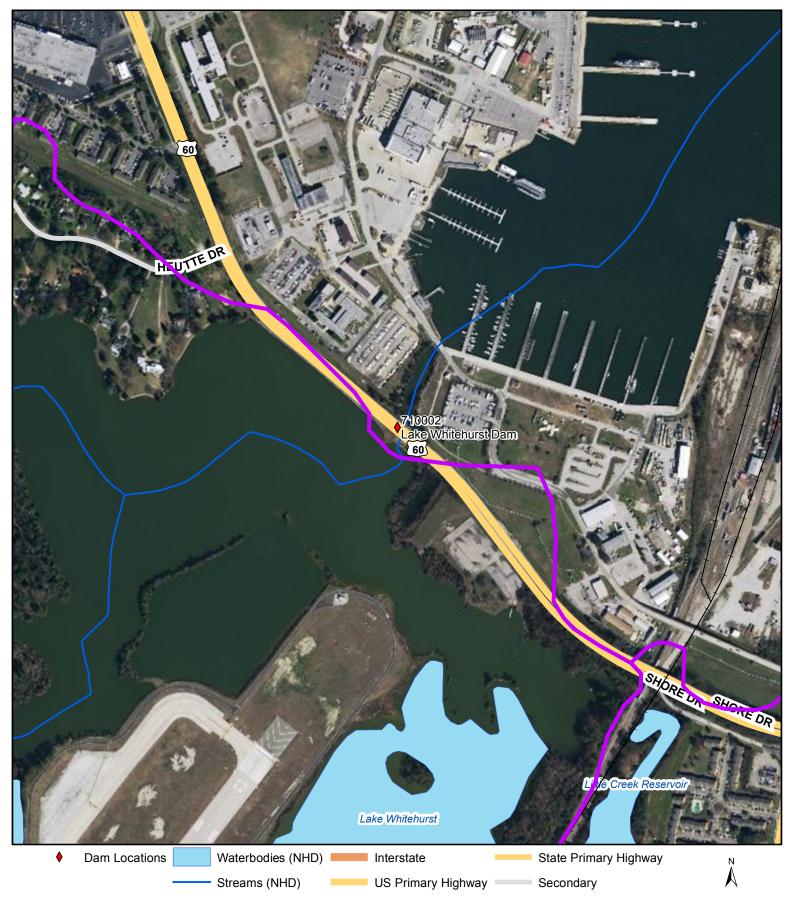
Date	Type	Condition
8/6/2019	Engineer	Fair
7/26/2018	DCR Site Visit	Not Rated
3/20/2018	Engineer	Fair

Approval Date: 05/31/2011 Expiration Date: 05/31/2017

Dam Location	
Dam Address: 6700 Azalea Garden Road Norfolk VA, 23518	E911 Direction to Dam: Dam at US60 Shore Drive at/near Norfolk Botanical Gardens and just west of 5827 Bangor
NUTUR VA, 25516	Square, Virginia Beach, VA 23455 (City of Virginia Beach)
EAP Contacts	
Dam Operator:	Dam Alternate Operator:
Rain Gauge Observer:	Alternate Rain Gauge Observer:
24-Hour Dispatch Center:	Local Government Emergency Services:
Owner's Engineer:	DCR Regional Engineer:
	Mark Killgore 804-786-1359
	Mark.Killgore@dcr.virginia.gov
	600 E. Main St., 24th Floor Richmond VA, 23219
Transportation Administrator:	National Weather Service:

Roadways Impacted:	Potential Impact Structures (count)
	Homes
	Businesses
Dams Downstream:	Schools
	<ul> <li>Hospitals</li> </ul>
	Critical Infrastructure
	Railroads
	Utilities
	Parks
	Golf Courses

Dam Number: **710002** VAHU6: CB26 Region: 3 VA Senate: 6,7 VA House: 83 Congressional: 5102 Dam Name: Lake Whitehurst Dam Municipalities: City of Norfolk,City of Virginia Beach SWCD: ,VIRGINIA DARE HUC 12: 020801080202 Watershed Name: Lower Chesapeake Bay-Little Creek USGS Topo: LITTLE CREEK



Name of Dam: Lee Hall Reservoir Dam	Inventory Number: 700001	
Hazard Classification: High	City/County: City of Newport News	
Designed By:	Constructed By:	
Regional Engineer: Mark Killgore	Year Constructed: 01/01/1893	
Dam Owner: Yann Le Gouellec (757) 647-8316(Mobile); (primary)(757) 926- 1146(Office) 700 Town Center Drive, Ste 500 Newport News VA, 23606	Size Classification: Small (>=50 - <1000 ac. ft., >=25' and <40') Certificate Type: Regular Operation and Maintenance Certificate Certificate Expiration: 09/30/2025 Days Since Last Inspection: 148 Inundation Report: 03/01/2018	
<b>Type of Dam</b> Gravity (Primary)	Reservoir Purpose Water Supply (Primary) Recreation (Primary)	
Type of Spillway <u>Type</u>	Width Outlet Gates	
Watershed		
Nearest City:	Nearest City Distance: 0.10 Miles	
River or Stream: WARWICK RIVER		
Fechnical Basics		
Normal Pool Area: 390.00 Acres	Top Surface Area: 600.00 Acres	
Normal Pool Capacity: 3063.00 Acre-Feet	Top Capacity: 4640.00 Acre-Feet	
Normal Pool Elevation: 19.00 Feet	Top Elevation: 22.70 Feet	
Normal Pool Height: 17.00 Feet	Top Height: 23.70 Feet	
Technical Hydrology/Hydraulics		
Controlling PMP: 12-HR PMP	Drainage Area: 15.90 Sq. Mi.	
6 Hour PMP: 30.80	Time of Concentration: 2.90	
<b>12 Hour PMP</b> : 34.10	Weighted Curve Number:	

24 Hour PMP: 34.10 Available Spillway Design Flow: 1.00 PMF IDA Spillway Reduction: Required Spillway Design Flow: .90 PMP

## Inspections (Last 3 Max)

Date	<u>Type</u>	Condition
12/21/2020	Engineer	Satisfactory
5/30/2019	Engineer	Satisfactory
6/7/2017	Engineer	Fair

Approval Date: 01/31/2019 Expiration Date: 03/31/2025

## Dam Location

Suffolk VA, 23435

Buill Eocution	
Dam Address: 437 Waterworks Way Newport News VA, 23608	E911 Direction to Dam: The impoundment structure can be accessed via a dirt road off of the Newport News water treatment plant. Newport News Waterworks is accessed via Waterworks Way.
EAP Contacts	
Dam Operator: Mike Hotaling (757) 234-6703(Office); (primary)(757) 508- 4272(Mobile) (primary)MHotaling@nnva.gov 3629 George Washington Memorial Hwy Yorktown VA, 23693	Dam Alternate Operator:Yann Le Gouellec (primary)(757) 926-1146(Office) (primary)YLeGouellec@nnva.gov 700 Town Center Drive Newport News VA, 23606
<b>Rain Gauge Observer</b> : George Baker (primary)(757) 272-3748(Mobile) (primary)GeBaker@nnva.gov 3629 George Washington Memorial Hwy Yorktown VA, 23692	Alternate Rain Gauge Observer:Jason Burke (primary)(757) 272-3752(Mobile) (primary)JBurke@nnva.gov 3629 George Washington Memorial Hwy Yorktown VA, 23692
<b>24-Hour Dispatch Center</b> : Steven Drew (primary)(757) 247-2500(Office) (primary)NA@NA.com 9710 Jefferson Avenue Newport News VA, 23605	Local Government Emergency Services:Chris Born (primary)(757) 764-5411(Office) (primary)na 1028 Schultz Place Fort Eustis VA, 23604
<b>Owner's Engineer</b> : Robert A Kline, Jr. (717) 756-8316(Mobile); (primary)(717) 886- 5443(Office) (primary)rkline@gfnet.com 207 Senate Ave Camp Hill PA, 17011	DCR Regional Engineer: Mark Killgore 804-786-1359 Mark.Killgore@dcr.virginia.gov 600 E. Main St., 24th Floor Richmond VA, 23219
<b>Transportation Administrator</b> :Christopher G Hall (757) 333-1626(Office); (757) 925-2500(Office); (primary)(757) 956-3000(Office); (888) 723- 8400(Office) (primary)christopher.hall@vdot.virginia.gov 7511 Burbage Drive	National Weather Service:Jeff Orrock (primary)(757) 899-4200(Office) (primary)Jeff.Orrock@noaa.gov NA Na VA, 99999

### Potential Impacts

### **Roadways Impacted:**

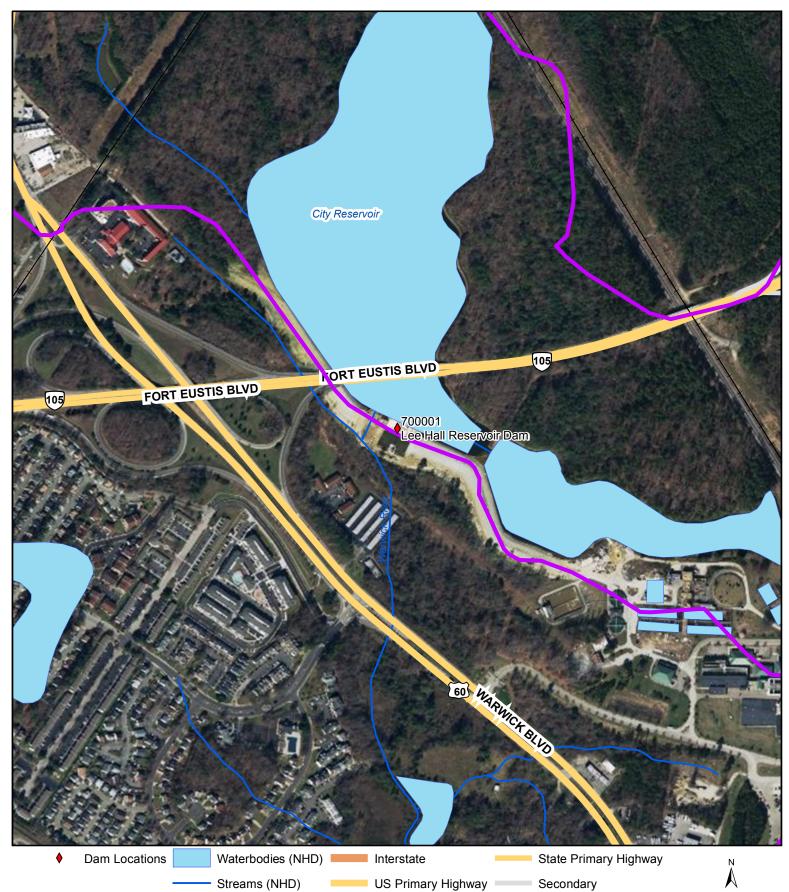
- Warwick Blvd. (U.S. Rte. 60) 0.15 miles downstream
- Lees Mill Drive 0.15 miles downstream
- Williamson Park Drive 0.5 miles downstream
- Reyano Road 0.5 miles downstream
- Rivers Ridge Circle 0.3 miles downstream
- Patricia Drive 0.5 miles downstream
- Judy Drive 0.5 miles downstream
- Rexford Drive 1.1 miles downstream
- River Mews Drive 1.0 miles downstream
- Linda Drive 2.1 miles downstream
- Colleen Drive 2.2 miles downstream
- Laramie Court 2.2 miles downstream
- Bowie Court 2.3 miles downstream
- Jennifer Place 2.3 miles downstream
- Ada Terrace 2.4 miles downstream
- Cherokee Court 2.4 miles downstream
- Saddler Drive 2.4 miles downstream
- Thalia Drive 2.4 miles downstream
- Chinook Court 2.4 miles downstream
- Curtis Tignor Road 2.3 miles downstream
- Custer Place 2.3 miles downstream
- Beechmont Drive 2.5 miles downstream
- Old Courthouse Way 3.0 miles downstream
- Lipton Drive 3.2 miles downstream
- Denbigh Blvd. (VA Route 173) 3.3 miles downstream
- Gresham Circle 3.2 miles downstream
- Wilson Avenue (Fort Eustis) 2.0 miles downstream
- Mulberry Island Road (Fort Eustis) 2.3 miles downstream

### Dams Downstream:

### Potential Impact Structures (count):

- 861 Homes
- 1 Businesses
- 3 Schools
- 0 Hospitals
- 0 Critical Infrastructure
- O Railroads
- 0 Utilities
- 2 Parks
- 0 Golf Courses

Dam Number: **700001** VAHU6: JL38 Region: 2 VA Senate: 1 VA House: 93,94 Congressional: 5103 Dam Name: Lee Hall Reservoir Dam Municipalities: City of Newport News SWCD: HUC 12: 020802060901 Watershed Name: Warwick River USGS Topo: YORKTOWN



General	
Name of Dam: Little Creek Dam	Inventory Number: 095006
Hazard Classification: High	City/County: James City County
Designed By:	Constructed By:
Regional Engineer: Mark Killgore	Year Constructed: 01/01/1980
Dam Owner: Leah O'Neil (primary)(757) 234-6809(Office); (757) 298- 3648(Mobile) 437 Waterworks Way Newport News VA, 23608	Size Classification: Medium (>= 1000 - <50,000 ac. ft., >=40' <100') Certificate Type: Regular Operation and Maintenance Certificate Certificate Expiration: 07/31/2022 Days Since Last Inspection: 202 Inundation Report: 10/01/2009
Type of Dam	Reservoir Purpose
Earth (Primary)	Water Supply (Primary)
Type of Spillway	
Туре	Width Outlet Gates
Watershed	
Nearest City:	Nearest City Distance: 0.00 Miles
River or Stream:	
Technical Basics	
Normal Pool Area: 996.00 Acres	Top Surface Area: 1172.00 Acres
Normal Pool Capacity: 24600.00 Acre-Feet	Top Capacity: 32143.00 Acre-Feet
Normal Pool Elevation: 60.00 Feet	Top Elevation: 67.00 Feet
Normal Pool Height: 60.00 Feet	Top Height: 67.00 Feet
Technical Hydrology/Hydraulics	
Controlling PMP: Unknown	Drainage Area: 4.60 Sq. Mi.
6 Hour PMP: 0.00	Time of Concentration:
<b>12 Hour PMP</b> : 0.00	Weighted Curve Number:
<b>24 Hour PMP</b> : 0.00	IDA Spillway Reduction:

Inspections	(Last 3 Max)
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inspections (Last 5 Max)			
Date	Туре	Condition	
10/28/2020	Engineer	Poor	
4/3/2019	Engineer	Poor	
2/20/2018	Engineer	Poor	

Approval Date: 04/26/2016 Expiration Date: 04/26/2022

### **Dam Location**

Dam Address: 2301 LITTLE CREEK DAM Rd Toano VA, 23168 E911 Direction to Dam: Little Creek Dam Rd. traverses dam crest

### **EAP Contacts**

Dam Operator: Kofi Boateng (primary)(757) 234-6703(Office); (757) 508-4272(Mobile) (primary)na@na.com 700 Town Center Dr. Ste 500 Newport News VA, 23606

Rain Gauge Observer: George Baker (757) 508-4272(Mobile); (primary)(757) 566-1339(Office) (primary)na null Newport News VA, 23606

24-Hour Dispatch Center: James City County Police Dispatch (757) 564-2140(Office); (primary)(757) 566-0112(Home) (primary)na 4600 Opportunity Way Williamsburg VA, 23188

**Owner's Engineer**: Rachael Bisnett, PE (primary)(641) 230-1577(Mobile) (primary)rachael.bisnett@stantec.com 2127 Ayrsley Town Blvd., Suite 300 Charlotte NC, 28273

#### Transportation Administrator: James Utterback

(757) 802-0005(Mobile); (primary)(757) 925-2500(Office); (757) 925-2511(Office) (primary)james.utterback@vdot.virginia.gov 1700 North Main St Suffolk VA, 23434

## Dam Alternate Operator: Mike Hotaling

(primary)(757) 234-6703(Office); (757) 508-4272(Mobile) (primary)na 3629 George Washington Memorial Hwy, Yorktown VA, 23693

Alternate Rain Gauge Observer:Jason Burke (primary)(757) 272-3752(Mobile) (primary)na null Newport News VA, 23606

Local Government Emergency Services:Robert Alley III (primary)(757) 247-2500(Office) (primary)na 2400 Washington Ave Newport News VA, 23602

### **DCR Regional Engineer:**

Mark Killgore 804-786-1359 Mark.Killgore@dcr.virginia.gov 600 E. Main St., 24th Floor Richmond VA, 23219

#### National Weather Service:

### Potential Impacts

## Roadways Impacted:

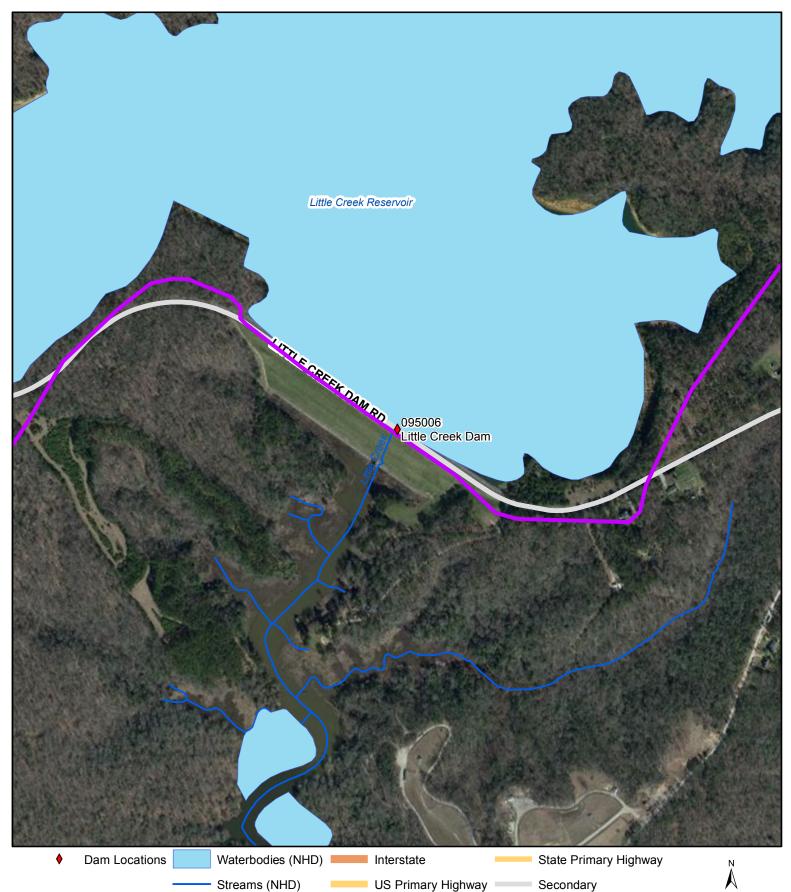
- 631 0 miles downstream
- 632 2.8 miles downstream

### Dams Downstream:

## Potential Impact Structures (count):

- 2 Homes
- Businesses
- Schools
- Hospitals
- Critical Infrastructure
- Railroads
- Utilities
- Parks
- Golf Courses

Dam Number: **095006** VAHU6: JL28 Region: 2 VA Senate: 3 VA House: 96 Congressional: 5101 Dam Name: Little Creek Dam Municipalities: James City County SWCD: COLONIAL HUC 12: 020802060604 Watershed Name: Chickahominy River-Yarmouth Creek USGS Topo: NORGE



General		
Name of Dam: Little Creek Reservoir Dam	Inventory Number: 810006	
Hazard Classification: High	City/County: City of Virginia Beach	
Designed By:	Constructed By:	
Regional Engineer: Mark Killgore	Year Constructed: 01/01/1899	
<b>Dam Owner</b> : David S Rosenthal (757) 328-1787(Mobile); (757) 441-5678(Office);	Size Classification: Medium (>= 1000 - <50,000 ac. ft., >=40' <100') Certificate Type:	
(primary)(757) 441-5774(Office) 6040 Waterwoks Road	Certificate Expiration:	
Norfolk VA, 23502	Days Since Last Inspection: 651	
	Inundation Report: 12/01/2010	
<b>Type of Dam</b> Earth (Primary)	<b>Reservoir Purpose</b> Recreation (Secondary) Flood Control or storm water management (Secondary) Water Supply (Primary)	
Type of Spillway		
Туре	Width Outlet Gates	
Watershed		
Nearest City: Norfolk	Nearest City Distance: 8.20 Miles	
<b>River or Stream</b> : Little Creek - VAHU6 CB26 Lower Chesapeake Bay - Little Creek		
Technical Basics		
Normal Pool Area: 192.00 Acres	Top Surface Area: 296.00 Acres	
Normal Pool Capacity: 1242.00 Acre-Feet	Top Capacity: 1819.00 Acre-Feet	
Normal Pool Elevation: 6.05 Feet	Top Elevation: 8.00 Feet	
Normal Pool Height: 5.65 Feet	Top Height: 7.60 Feet	
Technical Hydrology/Hydraulics		
Controlling PMP: Unknown	Drainage Area: 7.20 Sq. Mi.	
<b>6 Hour PMP</b> : 0.00	Time of Concentration: 183.30	

<b>12 Hour PMP</b> : 0.00
<b>24 Hour PMP</b> : 0.00
Available Spillway Design Flow: 100.00 YR

Weighted Curve Number: 69 IDA Spillway Reduction: Required Spillway Design Flow: .90 PMP

### Inspections (Last 3 Max)

Date	<u>Type</u>	Condition
8/6/2019	Engineer	Fair
7/26/2018	DCR Site Visit	Not Rated
3/20/2018	Engineer	Fair

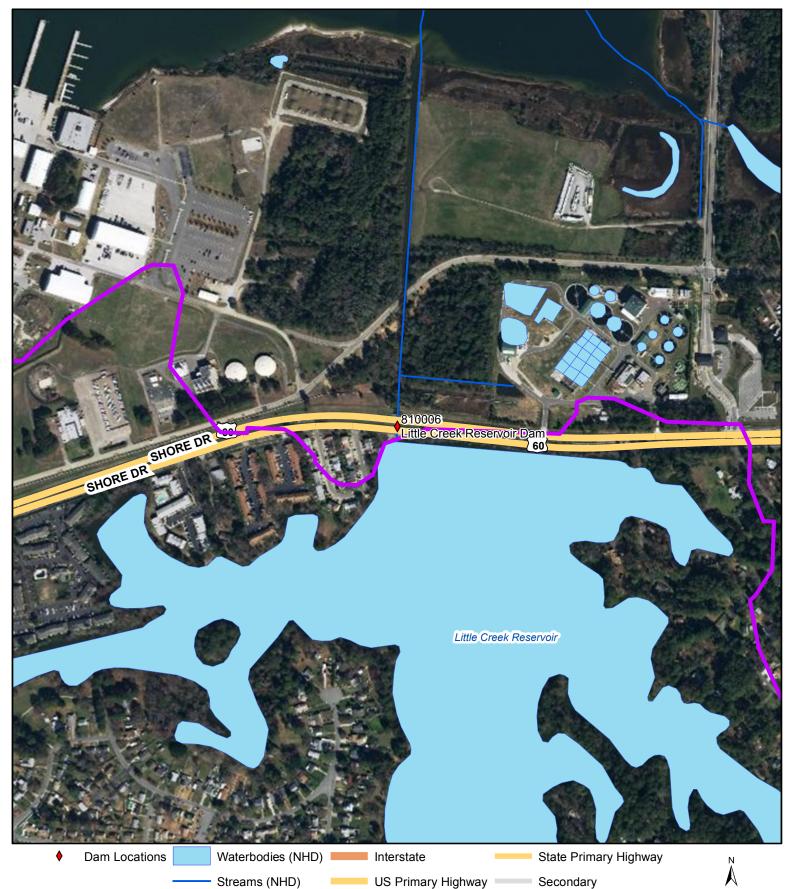
Approval Date: 05/31/2011 Expiration Date: 05/31/2017

Dam Location	
Dam Address: Near 565 Lake Shores Road Virginia Beach VA, 23455	E911 Direction to Dam: US60 Shore Drive; GPIN 1469500740000
EAP Contacts	
Dam Operator:	Dam Alternate Operator:
Rain Gauge Observer:	Alternate Rain Gauge Observer:
24-Hour Dispatch Center:	Local Government Emergency Services:
Owner's Engineer:	<b>DCR Regional Engineer</b> : Mark Killgore
	804-786-1359
	Mark.Killgore@dcr.virginia.gov
	600 E. Main St., 24th Floor
	Richmond VA, 23219
Transportation Administrator:	National Weather Service:

Potential Impacts

Roadways Impacted:	Potential Impact Structures (count):
	Homes
	Businesses
Dams Downstream:	Schools
	Hospitals
	Critical Infrastructure
	Railroads
	Utilities
	Parks
	Golf Courses

Dam Number: **810006** VAHU6: CB26 Region: 3 VA Senate: 7 VA House: 83 Congressional: 5102 Dam Name: Little Creek Reservoir Dam Municipalities: City of Virginia Beach SWCD: VIRGINIA DARE HUC 12: 020801080202 Watershed Name: Lower Chesapeake Bay-Little Creek USGS Topo: LITTLE CREEK



Name of Dam: Speights Run Dam	Inventory Number: 800010
Hazard Classification: High	City/County: City of Suffolk
Designed By:	Constructed By:
Regional Engineer: Mark Killgore	Year Constructed: 01/01/1957
Dam Owner: Erin K Trimyer (primary)(757) 393-8691(Office) P.O. Box 490 Portsmouth VA, 23705	Size Classification: Medium (>= 1000 - <50,000 ac ft., >=40' <100') Certificate Type: Regular Operation and Maintenance Certificate Certificate Expiration: 05/31/2022
	Days Since Last Inspection: 404
_	Inundation Report: 04/02/2020
<b>Type of Dam</b> Earth (Primary)	<b>Reservoir Purpose</b> Water Supply (Primary)
<b>Туре of Spillway</b> <u>Туре</u>	Width Outlet Gates
Watershed	
Nearest City:	Nearest City Distance: 0.00 Miles
River or Stream: SPEIGHTS RUN	
Technical Basics	
Normal Pool Area: 197.00 Acres	Top Surface Area: 474.00 Acres
Normal Pool Capacity: 479.00 Acre-Feet	Top Capacity: 4000.00 Acre-Feet
Normal Pool Elevation: 0.00 Feet	Top Elevation: 41.70 Feet
Normal Pool Height: 18.00 Feet	Top Height: 25.70 Feet
Technical Hydrology/Hydraulics	
Cechnical Hydrology/Hydraulics	Drainage Area: 12.81 Sq. Mi.
Technical Hydrology/Hydraulics	
Technical Hydrology/Hydraulics Controlling PMP: 6-HR PMP	Drainage Area: 12.81 Sq. Mi.

Available Spillway Design Flow: .30 PMP

Required Spillway Design Flow: .90 PMP

inspections (Last 5 Max)			
Date	Туре	Condition	
4/9/2020	Engineer	Satisfactory	
5/1/2019	Engineer	Satisfactory	
5/1/2018	Engineer	Satisfactory	

### Inspections (Last 3 Max)

Approval Date: 07/13/2015 Expiration Date: 07/31/2021

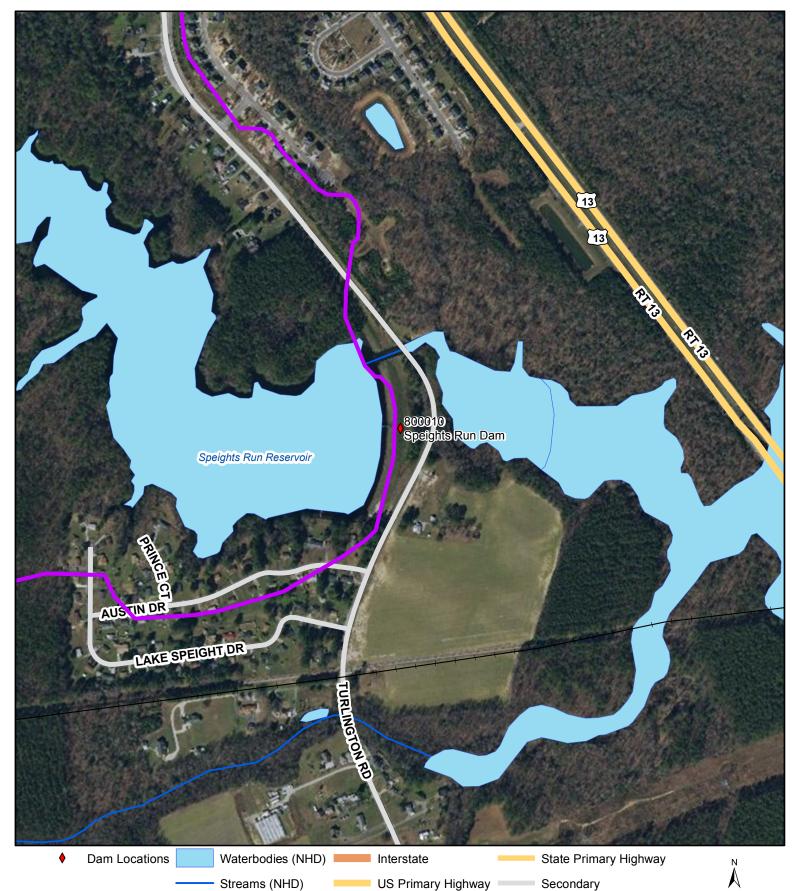
Dam Address:	E911 Direction to Dam:	
Near 508 Turlington Road	City Map No. 33*74 a 346.80 parcel (Account No.	
Suffolk VA, 23434	152618000)	
EAP Contacts		
Dam Operator:	Dam Alternate Operator:	
Rain Gauge Observer:	Alternate Rain Gauge Observer:	
24-Hour Dispatch Center:	Local Government Emergency Services:	
Owner's Engineer:	DCR Regional Engineer:	
	Mark Killgore	
	804-786-1359	
	Mark.Killgore@dcr.virginia.gov 600 E. Main St., 24th Floor	
	Richmond VA, 23219	
Transportation Administrator:	National Weather Service:	

F	Potential	Impacts

Roadways Impacted:	Potential Impact Structures (count):
	Homes
	Businesses
Dams Downstream: • 800002 • 800013	Schools
	Hospitals
	Critical Infrastructure
	Railroads
	Utilities
	Parks

• Golf Courses

Dam Number: **800010** VAHU6: JL44 Region: 3 VA Senate: 14 VA House: 76 Congressional: 5104 Dam Name: **Speights Run Dam** Municipalities: City of Suffolk SWCD: PEANUT HUC 12: 020802080101 Watershed Name: Lake Kelby-Speights Run USGS Topo: BUCKHORN,SUFFOLK



General		
Name of Dam: Waller Mill Dam	Inventory Number: 199003	
Hazard Classification: High	City/County: York County	
Designed By:	Constructed By:	
Regional Engineer: Mark Killgore	Year Constructed: 01/01/1965	
Dam Owner: Daniel Clayton (primary)(757) 220-6140(Office) 401 Lafayette Street Williamsburg VA, 23185	Size Classification: Medium (>= 1000 - <50,000 ac. ft., >=40' <100') Certificate Type: Conditional 2 Year Certificate	
	Certificate Expiration: 01/31/2023	
	Days Since Last Inspection: 320 Inundation Report: 08/28/2012	
<b>Type of Dam</b> Earth (Primary)	<b>Reservoir Purpose</b> Water Supply (Primary) Recreation (Primary)	
<b>Туре of Spillway</b> <u>Туре</u>	Width Outlet Gates	
Watershed		
Nearest City:	Nearest City Distance: Miles	
River or Stream: QUEENS CREEK		
Technical Basics		
Normal Pool Area: 351.00 Acres	Top Surface Area: 519.00 Acres	
Normal Pool Capacity: 4603.00 Acre-Feet	Top Capacity: 7274.00 Acre-Feet	
Normal Pool Elevation: 37.00 Feet	Top Elevation: 43.00 Feet	
Normal Pool Height: 34.00 Feet	Top Height: 40.00 Feet	
Technical Hydrology/Hydraulics		
Controlling PMP: Unknown	Drainage Area: 6.87 Sq. Mi.	
6 Hour PMP: 0.00	Time of Concentration:	
<b>12 Hour PMP</b> : 0.00	Weighted Curve Number:	
<b>24 Hour PMP</b> : 0.00	IDA Spillway Reduction:	

Inspections	(Last 3 Max)
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inspections (Last 5 Max	~)		
Date	Туре	Condition	
7/2/2020	Engineer	Fair	
12/20/2019	Owner	Fair	
7/13/2018	Engineer	Fair	

#### **EAP Quick Reference**

Approval Date: 08/25/2005 Expiration Date: 08/25/2011

#### Dam Location

Dam Location Dam Address:	F011 Direction to Dom.
618 Waller Mill Rd Williamsburg VA, 23185	E911 Direction to Dam: The impoundment structure is about a quarter mile east down the Waller Mill Rd from the listed address point.
EAP Contacts	
Dam Operator: Joe Wenger (primary)(757) 220-6140(Office); (757) 566- 3808(Home) (primary)jwenger@williamsburg.va.gov 618 Waller Mill Rd Williamsburg VA, 23185	<b>Dam Alternate Operator</b> :Jon Kellum (primary)(757) 220-6145(Office) (primary)na NA Na VA, 99999
Rain Gauge Observer: Joe Wenger (primary)(757) 220-6140(Office); (757) 566- 3808(Home) (primary)jwenger@williamsburg.va.gov 618 Waller Mill Rd Williamsburg VA, 23185	<b>Alternate Rain Gauge Observer</b> :Jon Kellum (primary)(757) 220-6145(Office) (primary)na NA Na VA, 99999
24-Hour Dispatch Center: York County Fire and Safety Dispatch Center (primary)(757) 890-3600(Office); (757) 890- 3621(Office) (primary)na 301 Goodwin Neck Rd Yorktown VA, 23692	Local Government Emergency Services:Stephen Kopczynski (primary)(757) 890-3600(Office); (757) 890- 3621(Office) (primary)na 301 Goodwin Neck Rd Yorktown VA, 23692
<b>Owner's Engineer</b> : Kelly D Cole (primary)(434) 455-3211(Office); (434) 947- 1901(Office) (primary)kcole@wileywilson.com 127 Nationwide Drive Lynchburg VA, 24502	DCR Regional Engineer: Mark Killgore 804-786-1359 Mark.Killgore@dcr.virginia.gov 600 E. Main St., 24th Floor Richmond VA, 23219
Transportation Administrator:Christopher Carroll (primary)(757) 253-5138(Office) (primary)c.carroll@vdot.virginia.gov NA Na VA, 99999	National Weather Service:Eric Seymour (primary)(757) 899-4200(Office); (757) 899- 5734(Office); (757) 899-6401(Office) (primary)eric.seymour@noaa.gov 10009 General Mahone Highway Wakefield VA, 23888

#### Potential Impacts

#### Roadways Impacted:

- 132 0.9 miles downstream
- 64 1.9 miles downstream
- 143 1.2 miles downstream

#### Dams Downstream:

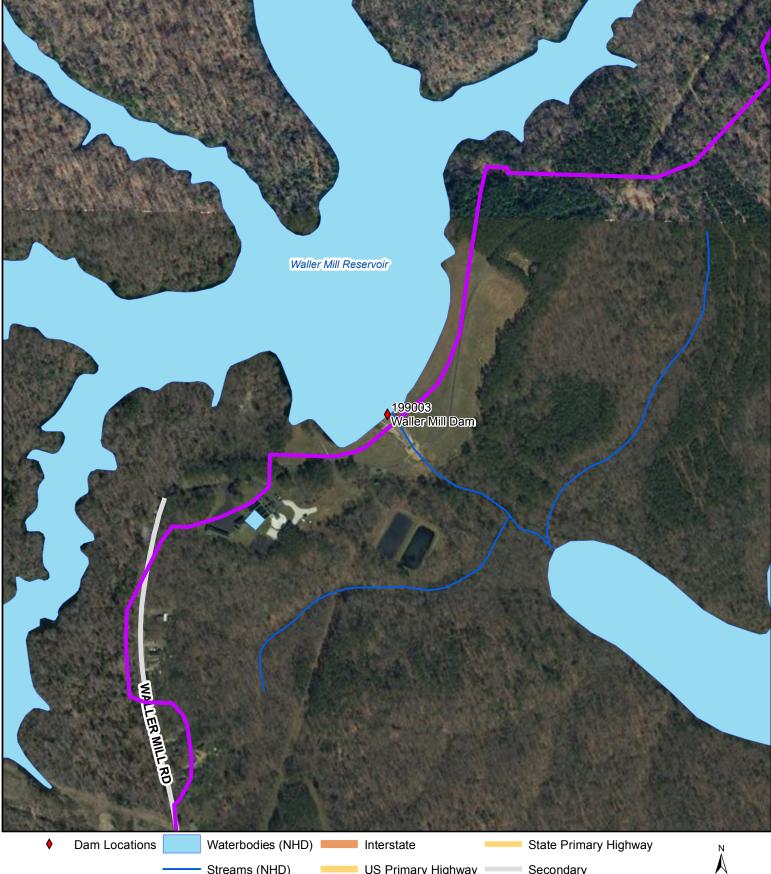
• 199016

#### Potential Impact Structures (count):

- 3 Homes
- 1 Businesses
- Schools
- Hospitals
- Critical Infrastructure
- Railroads
- Utilities
- Parks
- Golf Courses

Dam Number: 199003 VAHU6: YO67 Region: 2 VA Senate: 3 VA House: 96 Congressional: 5102

Dam Name: Waller Mill Dam Municipalities: York County SWCD: COLONIAL HUC 12: 020801070202 Watershed Name: Queen Creek USGS Topo: WILLIAMSBURG



US Primary Highway Secondary

Streams (NHD)

## Dam Safety Data Sheet

Department of Conservation and Recreation Division of Dam Safety and Flood Plain Management 600 E Main St, Richmond, VA 23219

Name of Dam: Western Branch Dam	Inventory Num	<b>ber</b> : 800011
Hazard Classification: High	City/County: City of Suffolk	
Designed By:	Constructed By:	
Regional Engineer: Mark Killgore	Year Constructed: 01/01/1963	
Dam Owner: Kristen Lentz (757) 441-5678(Office); (757) 441-5683(Office); (757) 539-9281(Office); (757) 617-3244(Mobile); (primary)(757) 664-6701(Office) 401 Monticello Avenue 2nd Floor Norfolk VA, 23510 Type of Dam Earth (Primary)	ft., >=40' <100') Certificate Type Maintenance Ce Certificate Expi Days Since Last	e: Regular Operation and ertificate ration: 01/15/2026 Inspection: 315 port: 06/01/2019 Ose Primary)
Type of Spillway Type Uncontrolled Uncontrolled (Auxiliary)	<u>Width</u> 250.00 500.00	<u>Outlet Gates</u> Concrete Spillway - Ogee Concrete Weir Structure
Watershed		
Nearest City: Suffolk River or Stream: Western Branch Nansemond River - VAHU6 JL47 Western Branch Reservoir Technical Basics	Nearest City D	<b>istance</b> : 4.63 Miles
Normal Pool Area: 1250.00 Acres	Top Surface A	rea: 2432.00 Acres
Normal Pool Capacity: 18000.00 Acre-Feet	•	
Normal Pool Elevation: 21.00 Feet	Top Capacity: 35300.00 Acre-Feet Top Elevation: 31.00 Feet	
Normal Pool Height: 22.00 Feet	Top Height: 41	
Technical Hydrology/Hydraulics		
Controlling PMP: 12-HR PMP	Drainage Area	: 65.66 Sq. Mi.

6 Hour PMP: 27.60	Time of Concentration: 1.00
<b>12 Hour PMP</b> : 29.60	Weighted Curve Number: 76
<b>24 Hour PMP</b> : 29.60	IDA Spillway Reduction:
Available Spillway Design Flow: 1.00 PMP	Required Spillway Design Flow: .90 PMP

#### Inspections (Last 3 Max)

Date	Туре	Condition
7/7/2020	Engineer	Satisfactory
8/16/2019	DCR Site Visit	Not Rated
7/27/2019	Engineer	Satisfactory

#### **EAP Quick Reference**

Approval Date: 09/16/2019 Expiration Date: 09/16/2025

#### **Dam Location**

Dam Address: 113 Lockwood Circle Suffolk VA, 23434 E911 Direction to Dam: 113 Lockwood Circle, Tax Map No. 17\*23, Acct No. 2518850000

#### **EAP Contacts**

Dam Operator: Chris E Harbin (primary)(757) 441-5678(Office); (757) 441-5774(Office); (757) 604-3365(Mobile) (primary)chris.harbin@norfolk.gov 6040 Waterworks Rd Norfolk VA, 23502

#### Rain Gauge Observer: Claude Stone

(primary)(757) 539-9281(Office); (757) 613-2081(Mobile) (primary)unknown@unknown.com 113 Lockwood Circle Suffolk VA, 23434

#### 24-Hour Dispatch Center: na na

(primary)(757) 925-2030(Office) (primary)na@na.com 300 King FOrk Road Suffolk VA, 23434

#### **Owner's Engineer:**

#### Transportation Administrator: Christopher G.

Hall (primary)(757) 956-3000(Office) (primary)christopher.hall@vdot.virginia.gov 7511 Burbage Drive Suffolk VA, 23435

#### Dam Alternate Operator:David S Rosenthal (757) 328-1787(Mobile); (primary)(757) 441-5678(Office); (757) 441-5774(Office) (primary)david.rosenthal@norfolk.gov 6040 Waterworks Road Norfolk VA, 23502

## Alternate Rain Gauge Observer:Cheryl Barnett

(primary)(757) 418-1916(Office) (primary)unknown@unknown.com 401 Monticello Avenue Norfolk VA, 23510

## Local Government Emergency Services:Brian Spicer

(primary)(757) 514-4532(Office); (757) 635-9402(Mobile) (primary)bspicer@suffolkva.us 300 Kings Fork Road Suffolk VA, 23434

#### **DCR Regional Engineer:**

Mark Killgore 804-786-1359 Mark.Killgore@dcr.virginia.gov 600 E. Main St., 24th Floor Richmond VA, 23219

National Weather Service:Eric Seymour (757) 899-2415(Office); (primary)(757) 899-4200(Office); (800) 737-8624(Office) (primary)eric.seymour@noaa.gov 1009 General Mahone Highway Wakefield VA, 23888

#### Potential Impacts

#### **Roadways Impacted:**

- Godwin Boulevard (US 32) 0.56 miles downstream
- Sack Point Road 0.6 miles downstream
- Wilroy Road 3.7 miles downstream
- US 58 4.6 miles downstream
- Nansemond Parkway 6.9 miles downstream
- N Main Street 7.3 miles downstream
- Portsmouth Boulevard (US 460) 7.9 miles downstream
- East Washington Street (US 58) 8.5 miles downstream

#### Dams Downstream:

#### Potential Impact Structures (count):

- 310 Homes
- 0 Businesses
- 0 Schools
- 0 Hospitals
- 0 Critical Infrastructure
- 0 Railroads
- 0 Utilities
- 0 Parks
- 0 Golf Courses

Dam Number: **800011** VAHU6: JL47,JL48 Region: 3 VA Senate: 18 VA House: 76 Congressional: 5103 Dam Name: Western Branch Dam Municipalities: City of Suffolk SWCD: PEANUT HUC 12: 020802080104,020802080105 Watershed Name: Nansemond River-Cedar Lake,Western Branch Reservoi USGS Topo: CHUCKATUCK



# APPENDIX I — HAZMAT INCIDENTS

This Appendix provides a list of hazardous materials incidents for the Hampton Roads region since 1998.

Community	Date	Mode of Transport & Injuries	Quantity Released	Commodity	Damages
Branchville (Southampton Co.)	11/21/2007	Highway	0.00cf	Lpg	\$10,706
Courtland (Southampton Co.)	1/11/2004	Highway	0.00g	Sodium Hydroxide	\$0
					\$10,706
Chesapeake	5/12/1998	Highway	0.50g	Hydrogen Peroxide	\$335
Chesapeake	6/19/1998	Highway	0.13g	Paint	\$0
Chesapeake	6/22/1998	Highway	0.25g	Acetone	\$403
Chesapeake	8/10/1998	Highway	15.00g	Compounds, Cleaning Liquid	\$0
Chesapeake	10/16/1998	Rail	1.00g	Ethanol	\$0
Chesapeake	11/25/1998	Highway	50.00g	Diesel Fuel	\$100,050
Chesapeake	12/1/1998	Highway	0.05g	Hydrogen Peroxide & Peroxyacetic Acid Mixtures	\$465
Chesapeake	12/14/1998	Highway	55.00g	Flammable Liquid	\$85
Chesapeake	2/12/1999	Highway	4.00g	Potassium Hydroxide	\$500
Chesapeake	9/29/1999	Highway	1.00lb	Resourcinol	\$0
Chesapeake	11/8/1999	Highway	5.00lb	Sodium Nitrate	\$460
Chesapeake	1/13/2000	Highway	3.00g	Disinfectants, Liquid, Corrosive	\$375
Chesapeake	5/18/2000	Rail	1.00g	Sodium Hydroxide	\$0
Chesapeake	8/11/2000	Highway	0.06g	Hydrochloric Acid	\$0
Chesapeake	9/6/2000	Rail	1.00g	Diethyl Ether	\$0
Chesapeake	11/7/2000	Highway	5.00lb	Oxidizing Solid, Corrosive	\$1,010
Chesapeake	12/5/2000	Highway	3.00g	Toluene	\$100
Chesapeake	1/2/2001	Highway	0.02g	Trichloroethylene	\$85
Chesapeake	1/26/2001	Highway	125.00g	Gasohol	\$2,620
Chesapeake	4/2/2001	Highway	2.00g	Chloroform	\$0
Chesapeake	6/19/2001	Rail	5.00g	Carbmate Pesticides	\$7,500
Chesapeake	7/5/2001	Rail	1.00g	Flammable Liquids	\$0
Chesapeake	7/17/2001	Rail	1.00g	Corrosive Liquid, Acidic, Organic	\$0
Chesapeake	10/15/2001	Highway	0.19g	Caustic Alkali Liquids	\$525
Chesapeake	10/30/2001	Highway	0.25g	Hydrofluoric Acid Solution	\$315
Chesapeake	2/11/2002	Highway	25.00g	Gas Oil	\$0
Chesapeake	2/12/2002	Highway	1.50g	Combustible Liquid	\$100
Chesapeake	6/26/2002	Highway	5.00g	Environmentally Hazardous Substances, Liguid	\$20
Chesapeake	9/20/2002	Highway	3.00g	Toluene	\$400

Community	Date	Mode of Transport & Injuries	Quantity Released	Commodity	Damag
Chesapeake	9/24/2002	Highway	5.00g	Petroleum Distillates	\$370
Chesapeake	5/5/2003	Highway	5.00g	Flammable Liquids	\$475
Chesapeake	6/30/2003	Highway	5.00g	Caustic Alkali Liquids	\$475
Chesapeake	6/30/2003	Highway	1.00g	Hydrochloric Acid Solution	\$400
Chesapeake	7/10/2003	Highway	0.02g	Trimethylhexamethylendiamines	\$365
Chesapeake	7/15/2003	Highway	0.03g	Ethyl Chloride	\$525
Chesapeake	9/16/2003	Highway	15.00g	Flammable Liquid	\$0
Chesapeake	9/23/2003	Highway	5.00g	Ammonia Solution	\$100
Chesapeake	10/31/2003	Highway	200.00g	Styrene Monomer	\$0
Chesapeake	11/20/2003	Highway	0.01g	Oxidizing Liquid	\$365
Chesapeake	11/23/2003	Highway	3,000g	Diesel Fuel	\$119,5
Chesapeake	12/16/2003	Highway	1.00lb	Environmentally Hazardous Substances, Solid	\$175
Chesapeake	12/26/2003	Rail	1.00g	Environmentally Hazardous Substances, Liquid	\$0
Chesapeake	2/19/2004	Rail	1.00g	Combustible Liquid	\$0
Chesapeake	2/23/2004	Rail	25.00g	Environmentally Hazardous Substances, Liquid	\$1,50
Chesapeake	4/8/2004	Highway	0.06g	Paint	\$500
Chesapeake	5/10/2004	Highway	0.25g	Corrosive Liquid, Basic, Organic	\$525
Chesapeake	6/7/2004	Highway	1.00lb	Environmentally Hazardous Substances, Solid	\$385
Chesapeake	7/20/2004	Rail	1.00g	Petroleum Distillates	\$1,00
Chesapeake	9/20/2004	Rail	8.00lb	Corrosive Solids	\$1,00
Chesapeake	3/22/2005	Highway	0.50g	Paint	\$0
Chesapeake	4/13/2005	Highway	16.00lb	Batteries	\$0
Chesapeake	5/3/2005	Highway	10.00 lb	Fire Extinguishers	\$0
Chesapeake	5/6/2005	Highway	60.00 lb	Life-Saving Appliances	\$0
Chesapeake	8/11/2005	Highway	0.25g	Sodium Hydroxide	\$0
Chesapeake	3/27/2006	Highway	1.00g	Paint	\$0
Chesapeake	5/2/2006	Highway	0.04cf	Carbon Dioxide	\$0
Chesapeake	7/12/2006	Highway	0.50g	Paint	\$0
Chesapeake	9/6/2006	Highway	0.02g	Paint	\$0
Chesapeake	10/3/2006	Highway	1.00g	Paint	\$0
Chesapeake	11/3/2006	Rail	0.06g	Environmentally Hazardous Substances, Liquid	\$0
Chesapeake	2/9/2007	Highway	0.66g	Sulfuric Acid	\$0
Chesapeake	9/25/2007	Rail	0.06g	Amines, Liquid, Corrosive	\$0
Chesapeake	10/16/2007	Highway	1.00g	Corrosive Liquid, Basic, Inorganic	\$0

Community	Date	Mode of Transport & Injuries	Quantity Released	Commodity	Damage
Chesapeake	10/17/2007	Highway	3.00g	Hydrochloric Acid	\$0
Chesapeake	10/29/2007	Highway	2.00 lb	Flammable Solids, Organic	\$0
Chesapeake	11/16/2007	Highway	0.09g	Tetrahydrofuran	\$0
Chesapeake	4/1/2008	Highway	0.25g	Paint	\$0
Chesapeake	4/4/2008	Highway	2.00g	Paint	\$0
Chesapeake	6/16/2008	Highway	15.00g	Gasoline	\$5,050
Chesapeake	3/10/2009	Highway	1.06g	Flammable Liquids	\$0
Chesapeake	9/11/2009	Highway	5.00g	Flammable Liquids	\$650
Chesapeake	12/31/2009	Highway	0.13g	Sodium Hydroxide	\$0
Chesapeake	5/17/2010	Highway	3.00g	Corrosive Liquid, Acidic, Organic	\$2,88
Chesapeake	9/9/2010	Highway	0.13g	Paint	\$0
Chesapeake	10/1/2010	Highway	0.53g	Sodium Hydroxide	\$0
Chesapeake	11/8/2010	Highway	0.04g	Paint	\$0
Chesapeake	5/16/2011	Highway	0.03g	Paint	\$0
Chesapeake	11/21/2011	Highway	0.13 lb	Organic Peroxide, Type F, Solid	\$0
Chesapeake	2/23/2012	Highway	1.50g	Paint	\$0
Chesapeake	6/22/2012	Highway	1.00g	Paint	\$0
Chesapeake	7/19/2012	Highway	4.00g	Paint	\$0
Chesapeake	8/27/2012	Highway	40.00g	Aryl Sulfonic Acids	\$4,00
Chesapeake	11/26/2012	Highway	1.00g	Paint	\$0
Chesapeake	8/22/2013	Highway	30.00g	Fuel Oil (NO. 1, 2, 4, 5, Or 6)	\$7,32
Chesapeake	9/29/2014	Highway	0.02g	Organic Peroxide Type D, Liquid	\$0
Chesapeake	9/8/2017	Highway	1.00lb	Hazardous Waste, Solid, N.O.S.	\$0
Chesapeake	12/3/2018	Highway	5.00g	Printing Ink, Flammable Or Printing Ink Related Material (Including Printing Ink Thinning Or Reducing Compound), Flammable	\$5,50
Chesapeake	6/3/2020	Highway	25.00g	Gasohol Gasoline Mixed With Ethyl Alcohol, With Not More Than 10% Alcohol	\$16,00
Chesapeake	3/8/2016	Highway	0.13g	Xylenes	\$0
Chesapeake	5/8/2018	Highway	16.00lb	Toxic Solids, Organic, N.O.S.	\$0
Chesapeake	9/13/2018	Highway	30.00g	Corrosive Liquid, Basic, Inorganic, N.O.S.	\$3,50
Chesapeake	1/28/2019	Highway	0.63 lb	Batteries, Wet, Filled With Acid, Electric Storage	\$1,32
Chesapeake	11/18/2020	Highway	2.20 lb	Batteries, Wet, Filled With Acid, Electric Storage	\$619
Chesapeake	11/11/2015	Highway	0.01g	Ethyl Methyl Ketone Or Methyl Ethyl Ketone	\$0

Community	Date	Mode of Transport & Injuries	Quantity Released	Commodity	Damage
Chesapeake	12/14/2015	Highway	0.01g	Corrosive Liquid, Basic, Inorganic, N.O.S.	\$0
Chesapeake	6/28/2016	Rail	0.02g	Caustic Alkali Liquids, N.O.S.	\$2,500
Chesapeake	7/12/2016	Highway	0.01g	Paint Including Paint, Lacquer, Enamel, Stain, Shellac Solutions, Varnish, Polish, Liquid Filler And Liquid Lacquer Base	\$0
Chesapeake	7/13/2016	Highway	5.00 g	Paint Including Paint, Lacquer, Enamel, Stain, Shellac Solutions, Varnish, Polish, Liquid Filler And Liquid Lacquer Base	\$0
Chesapeake	7/25/2016	Highway	0.01 g	Sodium Hydroxide, Solution	\$0
Chesapeake	10/18/2016	Highway	1.04 g	Adhesives, Containing A Flammable Liquid	\$0
Chesapeake	8/24/2017	Highway	0.50 g	Isopropanol Or Isopropyl Alcohol	\$0
Chesapeake	11/10/2017	Highway	0.50 g	Ethanol Or Ethyl Alcohol Or Ethanol Solutions Or Ethyl Alcohol Solutions	\$0
Chesapeake	1/25/2018	Highway	0.00 g	Corrosive Liquid, Acidic, Inorganic, N.O.S.	\$0
Chesapeake	3/30/2018	Highway	6.59 g	Sodium Hydroxide, Solution	\$0
Chesapeake	3/30/2018	Highway	6.59 g	Sodium Hydroxide, Solution	\$0
Chesapeake	6/6/2018	Highway	0.50 g	Hydrogen Peroxide, Aqueous Solutions With Not Less Than 20 Percent But Not More Than 40 Percent Hydrogen Peroxide (Stabilized As Necessary)	\$0
Chesapeake	6/11/2018	Highway	3.63 g	Flammable Liquids, N.O.S.	\$0
Chesapeake	10/25/2018	Highway	6.59 g	Sodium Hydroxide, Solution	\$0
Chesapeake	11/8/2019	Highway	6.57 g	Sodium Hydroxide, Solution	\$0
Chesapeake	11/15/2019	Highway	0.00 g	Sodium Hydroxide, Solution	\$0
Chesapeake	2/3/2020	Highway	0.02 g	Sodium Hydroxide, Solution	\$0
Chesapeake	2/5/2020	Highway	1.00 g	Printing Ink, Flammable Or Printing Ink Related Material (Including Printing Ink Thinning Or Reducing Compound), Flammable	\$0
Chesapeake	2/8/2016	Highway	g 15.00	Amines, Liquid, Corrosive, N.O.S. Or Polyamines, Liquid, Corrosive, N.O.S.	\$0
					\$292,3
Franklin	1/5/1998	Highway	0.02g	Phosphorous Trichloride	\$0
		<u> </u>		Calcium Hypochlorite, Hydrated	
Franklin	3/2/1999	Highway	40.00 lb	Mixtures	\$2,85
Franklin	3/23/2000	Highway	150.00g	Hypochlorite Solutions	\$638

Community	Date	Mode of Transport & Injuries	Quantity Released	Commodity	Dama
Franklin	4/8/2002	Highway	0.07g	Phosphorus Trichloride	\$0
Franklin	8/27/2002	Highway	0.06g	Phosphorus Trichloride	\$0
Franklin	5/27/2005	Rail	2.00g	Elevated Temperature Luqiud, N.O.S.	\$0
Franklin	1/13/2007	Rail	1.00g	Flammable Liquid	\$0 \$3,68
Hampton	9/4/1999	Highway	25.00g	Potassium Hydroxide	\$50
Hampton	9/22/2003	Highway	15.00g	Gasoline	\$6,00
Hampton	6/22/2004	Highway	35.00gg	Gasoline	\$1,55
Hampton	8/12/2004	Highway	1.00g	Flammable Liquids	\$20
Hampton	4/2/2014	Highway	50.00g	Potassium Hydroxide	\$0
Hampton	7/14/2014	Highway	5.00g	Gasoline	\$1,38
Hampton	9/24/2020	Highway	10.00 g	Potassium Hydroxide, Solution	\$0
Hampton	12/30/2015	Highway	0.01 g	Toluene	\$0
Hampton	3/25/2016	Highway	0.01 g	Corrosive Liquid, Acidic, Organic, N.O.S.	\$0
Hampton	5/12/2016	Highway	0.01 g	Corrosive Liquid, Basic, Inorganic, N.O.S.	\$0
Hampton	6/15/2016	Highway	0.01 g	Paint Including Paint, Lacquer, Enamel, Stain, Shellac Solutions, Varnish, Polish, Liquid Filler And Liquid Lacquer Base	\$0
Hampton	6/18/2016	Highway	0.01 g	Paint Including Paint, Lacquer, Enamel, Stain, Shellac Solutions, Varnish, Polish, Liquid Filler And Liquid Lacquer Base	\$0
Hampton	6/29/2016	Highway	1.00 g	Alcohols, N.O.S.	\$0
Hampton	7/13/2016	Highway	0.19 g	Paint Including Paint, Lacquer, Enamel, Stain, Shellac Solutions, Varnish, Polish, Liquid Filler And Liquid Lacquer Base	\$0
Hampton	7/13/2016	Highway	0.13 g	Paint Including Paint, Lacquer, Enamel, Stain, Shellac Solutions, Varnish, Polish, Liquid Filler And Liquid Lacquer Base	\$0
Hampton	8/4/2016	Highway	0.06 g	Paint Including Paint, Lacquer, Enamel, Stain, Shellac Solutions, Varnish, Polish, Liquid Filler And Liquid Lacquer Base	\$0
Hampton	8/3/2016	Highway	2.00 g	Paint Including Paint, Lacquer, Enamel, Stain, Shellac Solutions, Varnish, Polish, Liquid Filler And Liquid Lacquer Base	\$0
Hampton	11/26/2016	Highway	4.63 g	Corrosive Liquids, N.O.S.	\$0

Community	Date	Mode of Transport & Injuries	Quantity Released	Commodity	Damage
Hampton	12/31/2016	Highway	6.75 g	Hydrogen Peroxide And Peroxyacetic Acid Mixtures, Stabilized With Acids, Water, And Not More Than 5 Percent Peroxyacetic Acid	\$0
Hampton	2/2/2017	Highway	0.25 g	Paint Including Paint, Lacquer, Enamel, Stain, Shellac Solutions, Varnish, Polish, Liquid Filler And Liquid Lacquer Base	\$0
Hampton	3/30/2017	Highway	6.38 g	Paint Including Paint, Lacquer, Enamel, Stain, Shellac Solutions, Varnish, Polish, Liquid Filler And Liquid Lacquer Base	\$0
Hampton	6/12/2017	Highway	4.00 g	Paint Including Paint, Lacquer, Enamel, Stain, Shellac Solutions, Varnish, Polish, Liquid Filler And Liquid Lacquer Base	\$0
Hampton	5/21/2018	Highway	1.00 g	Paint Including Paint, Lacquer, Enamel, Stain, Shellac Solutions, Varnish, Polish, Liquid Filler And Liquid Lacquer Base	\$0
Hampton	6/14/2018	Highway	4.00 g	Paint Including Paint, Lacquer, Enamel, Stain, Shellac Solutions, Varnish, Polish, Liquid Filler And Liquid Lacquer Base	\$0
Hampton	6/15/2018	Highway	2.00 g	Coating Solution (Includes Surface Treatments Or Coatings Used For Industrial Or Other Purposes Such As Vehicle Undercoating, Drum Or Barrel Lining )	\$0
Hampton	6/15/2018	Highway	1.00 g	Caustic Alkali Liquids, N.O.S.	\$0
					\$9,454
Newport News	6/3/2020	Highway	25.00 g	Gasoline Includes Gasoline Mixed With Ethyl Alcohol, With Not More Than 10% Alcohol	\$1,500
Newport News	11/12/2015	Highway	1.00 g	Isopropanol Or Isopropyl Alcohol	\$0
Newport News	3/2/2018	Highway	0.06 g	Sodium Hydroxide, Solution	\$0
Newport News	3/12/2018	Highway	0.03 g	Sodium Hydroxide, Solution	\$0
Newport News	6/14/2018	Highway	0.63 g	Acetic Acid, Glacial Or Acetic Acid Solution, With More Than 80 Percent Acid, By Mass	\$0
Newport News	6/18/2018	Highway	10.00 lb	Calcium Hypochlorite, Hydrated Or Calcium Hypochlorite, Hydrated Mixtures, With Not Less Than 5.5 Percent But Not More Than 16 Percent Water	\$0
Newport News	6/19/2018	Highway	1.00 g	Corrosive Liquids, N.O.S.	\$0
Newport News	7/24/2018	Highway	0.02 g	Corrosive Liquid, Basic, Inorganic, N.O.S.	\$0

Community	Date	Mode of Transport & Injuries	Quantity Released	Commodity	Damages
Newport News	9/14/2018	Highway	0.06 lb	Batteries, Wet, Filled With Acid, Electric Storage	\$0
Newport News	7/18/2019	Highway	0.53 g	Paint Including Paint, Lacquer, Enamel, Stain, Shellac Solutions, Varnish, Polish, Liquid Filler And Liquid Lacquer Base	\$0
Newport News	7/18/2019	Highway	0.26 g	Hydrochloric Acid	\$0
Newport News	1/29/1998	Highway	0.26g	Methyl Tert-Butyl Ether	\$0
Newport News	3/4/1998	Highway	0.25g	Methyl Ethyl Ketone	\$0
Newport News	4/1/1998	Highway	0.75g	Corrosive Liquids	\$160
Newport News	4/23/1998	Highway	0.02g	Hydrochloric Acid	\$0
Newport News	5/4/1998	Highway	0.25g	Sulfuric Acid	\$0
Newport News	5/12/1998	Highway	0.01g	Sulfuric Acid	\$0
Newport News	5/20/1998	Highway	0.00g	Sulfuric Acid	\$0
Newport News	5/27/1998	Air	0.01g	Formaldehyde	\$0
Newport News	6/15/1998	Highway	0.05g	Phosphoric Acid	\$145
Newport News	6/15/1998	Highway	0.25g	Phosphoric Acid	\$0
Newport News	7/21/1998	Highway	0.25g	Ammonia Solution	\$178
Newport News	8/4/1998	Highway	0.06g	Sodium Hydroxide	\$0
Newport News	8/17/1998	Highway	1.06g	Tetrahydrofuran	\$0
Newport News	9/2/1998	Highway	0.01g	Sodium Hydroxide	\$0
Newport News	9/16/1998	Highway	5.00g	Sulfuric Acid	\$5
Newport News	9/22/1998	Highway	0.26g	Methanol	\$0
Newport News	10/14/1998	Highway	0.06g	Heptanes	\$0
Newport News	11/11/1998	Highway	0.38g	Aerosols, Poison, Packing Group lii	\$310
Newport News	4/2/1990	Highway	0.06g	Terpene Hydrocarbons	\$0
Newport News	9/30/2003	Highway	10.00g	Diesel Fuel	\$10
Newport News	8/22/2005	Highway	0.13g	Flammable Liquids	\$0
Newport News	10/6/2005	Highway	0.01g	Paint	\$0
Newport News	12/15/2005	Highway	1.50 lb	Fire Extinguishers	\$0
Newport News	3/29/2006	Highway	-	Radioactive Material	\$0
Newport News	4/3/2007	Highway	0.05g	Hydrochloric Acid Solution, Inhibited	\$0
Newport News	4/17/2007	Highway	1.00lb	Fire Extinguishers	\$0
Newport News	8/18/2008	Highway	0.01g	Corrosive Liquids	\$0
Newport News	9/4/2009	Highway	1,100.00g	Diesel Fuel	\$2,750
Newport News	4/28/2011	Highway	0.06g	Petroleum Distillates	\$0
Newport News	7/12/2011	Highway	0.13g	Alcohols	\$0

Community	Date	Mode of Transport & Injuries	Quantity Released	Commodity	Damage
Newport News	10/15/2012	Highway	0.25gg	Paint	\$0
Newport News	6/17/2013	Air	-	Carbon Dioxide, Solid Or Dry Ice	\$0
Newport News	4/16/2015	Highway	15.00g	Environmentally Hazardous Substances, Liquid	\$0
					\$5,058
Norfolk	1/21/1998	Highway	1.00g	Isopropanol	\$125
Norfolk	1/27/1998	Highway	0.25g	Sodium Hydroxide Solution	\$0
Norfolk	2/3/1998	Highway	0.75g	Corrosive Liquid Basic Inorganic	\$0
Norfolk	2/3/1998	Highway	0.75g	Corrosive Liquid Basic Inorganic	\$0
Norfolk	2/25/1998	Highway	0.13g	Flammable Liquids	\$125
Norfolk	3/4/1998	Rail		Combustible Liquid	\$0
Norfolk	3/4/1998	Highway	0.02g	Styrene Monomer Inhibited	\$0
Norfolk	3/26/1998	Highway	0.02g	Corrosive Liquids	\$0
Norfolk	4/6/1998	Highway	5.00g	Petroleum Distillates	\$125
Norfolk	4/7/1998	Highway	0.02g	Xylenes	\$0
Norfolk	5/8/1998	Highway, 1 injury	0.25g	Flammable Liquids	\$0
Norfolk	5/29/1998	Highway	0.75g	Flammable Liquids	\$0
Norfolk	6/1/1998	Highway	0.25g	Petroleum Distillates	\$0
Norfolk	6/10/1998	Highway	0.75g	Hypochlorite Solutions	\$125
Norfolk	7/21/1998	Air	2.20 lb	Fire Extinguishers	\$0
Norfolk	7/23/1998	Air	0.04g	Paint	\$0
Norfolk	8/11/1998	Highway	0.06g	Potassium Hydroxide Solution	\$125
Norfolk	8/11/1998	Highway	0.13g	Corrosive Liquid Acidic Inorganic	\$125
Norfolk	8/11/1998	Highway	0.03g	Flammable Liquids	\$125
Norfolk	8/12/1998	Highway	0.06g	Corrosive Liquid Acidic Organic	\$125
Norfolk	8/27/1998	Highway	2.00g	Alkylamines	\$125
Norfolk	9/10/1998	Highway	5.00g	Combustible Liquid	\$100
Norfolk	9/29/1998	Highway	0.75g	Compound Cleaning Liquid	\$125
Norfolk	9/30/1998	Highway	0.50g	Corrosive Liquids	\$125
Norfolk	11/16/1998	Highway	0.02g	Corrosive Liquid Basic Organic	\$0
Norfolk	12/10/1998	Air	0.12g	Corrosive Liquids	\$0
Norfolk	1/7/1999	Highway	1.00g	Adhesives	\$25
Norfolk	2/1/1999	Highway	0.08g	Toxic Liquid Inorganic	\$0
Norfolk	2/8/1999	Highway	0.13g	Corrosive Liquids	\$3

Community	Date	Mode of Transport & Injuries	Quantity Released	Commodity	Damag
Norfolk	2/10/1999	Highway	0.25g	Corrosive Liquid Basic Inorganic	\$20
Norfolk	2/12/1999	Highway	0.50g	Isopropanol	\$125
Norfolk	3/24/1999	Highway	2.00g	Styrene Monomer Inhibited	\$0
Norfolk	5/28/1999	Highway	1.00g	Flammable Liquids	\$5
Norfolk	7/23/1999	Highway	1.50g	Phosphoric Acid	\$125
Norfolk	7/29/1999	Highway	0.31g	Potassium Hydroxide Solution	\$12
Norfolk	8/27/1999	Highway	1.00lb	Sodium Fluorosilicate	\$1,48
Norfolk	9/7/1999	Air	0.02g	Isopropanol Or Isopropyl Alcohol	\$0
Norfolk	10/27/1999	Highway	0.50g	Corrosive Liquid Basic Inorganic	\$5
Norfolk	11/12/1999	Highway	2.00g	Fuel Oil No. 1 2 4 5 Or 6	\$0
Norfolk	11/18/1999	Highway	0.07g	Isopropanol	\$12
Norfolk	1/4/2000	Air	0.09g	Aerosols Flammable	\$0
Norfolk	3/8/2000	Highway	0.06g	Compound Cleaning Liquid	\$1
Norfolk	4/21/2000	Highway	0.01g	Coating Solution	\$12
Norfolk	5/1/2000	Highway	0.50g	Phosphoric Acid	\$12
Norfolk	5/2/2000	Highway	0.50g	Phosphoric Acid	\$12
Norfolk	5/2/2000	Highway	1.50g	Battery Fluid Acid	\$125
Norfolk	5/3/2000	Highway	25.00g	Corrosive Liquid Basic Inorganic	\$1,30
Norfolk	6/21/2000	Highway	0.63g	Carbon Dioxide	\$250
Norfolk	6/21/2000	Highway	0.63g	Carbon Dioxide	\$250
Norfolk	8/11/2000	Highway	200.00g	Fuel Oil No. 1 2 4 5 Or 6	\$200
Norfolk	11/3/2000	Air	0.01g	Toxic Liquids Organic	\$0
Norfolk	11/20/2000	Highway		Caustic Alkali Liquids	\$0
Norfolk	11/22/2000	Highway	1.00g	Regulated Medical Waste	\$10
Norfolk	3/13/2001	Highway	18.00g	Gasoline	\$4,02
Norfolk	9/20/2001	Highway	50.00g	Gasoline	\$3,65
Norfolk	10/10/2001	Highway	3.00g	Sodium Hydroxide Solution	\$0
Norfolk	12/19/2001	Air	0.03g	Perfumery Products	\$0
Norfolk	1/24/2002	Highway	1.00g	Fuel Oil (No. 1 2 4 5 Or 6)	\$1
Norfolk	2/20/2002	Air	0.01g	Flammable Liquids	\$0
Norfolk	3/11/2002	Highway	0.00g	Sulfuric Acid	\$300
Norfolk	6/20/2002	Rail	1.00g	Flammable Liquids	\$0
Norfolk	6/22/2002	Air	1.00 lb	Consumer Commodity	\$10
Norfolk	12/19/2002	Highway	1.00g	Corrosive Liquids	\$0

Community	Date	Mode of Transport & Injuries	Quantity Released	Commodity	Damage
Norfolk	8/8/2003	Highway	0.02g	Sodium Hydroxide Solution	\$0
Norfolk	8/17/2004	Rail	1.00g	Environmentally Hazmat	\$0
Norfolk	1/15/2005	Water	25.00g	Toxic Liquids Corrosive Organic	\$0
Norfolk	2/19/2005	Highway	0.06g	Flammable Liquids	\$0
Norfolk	2/23/2005	Water		Aerosols Non-Flammable	\$0
Norfolk	3/24/2005	Highway	3.00g	Diesel Fuel	\$0
Norfolk	5/2/2005	Highway	100.00gg	Fuel Oil Diesel	\$0
Norfolk	7/28/2005	Highway	0.13g	Flammable Liquids	\$0
Norfolk	8/9/2005	Highway	20.00g	Gasoline	\$0
Norfolk	4/24/2006	Highway	0.02g	Hydrogen Peroxide	\$0
Norfolk	11/15/2006	Highway	75.00g	Sodium Hydroxide Solution	\$0
Norfolk	4/6/2007	Highway	1.00g	Corrosive Liquid Basic Inorganic	\$0
Norfolk	4/12/2007	Highway	0.04g	Corrosive Liquids Toxic	\$0
Norfolk	6/7/2007	Highway	1.00g	Sulfuric Acid	\$0
Norfolk	7/27/2007	Highway	150.00g	Sodium Hydroxide Solution	\$16,55
Norfolk	8/30/2007	Highway	0.02g	Sodium Hydroxide Solution	\$0
Norfolk	1/24/2008	Highway	0.13g	Paint	\$0
Norfolk	6/23/2008	Rail	1.00g	Isopropanol	\$2,000
Norfolk	10/16/2008	Highway	0.06g	Paint	\$0
Norfolk	2/23/2009	Highway	0.16g	Isopropanol	\$0
Norfolk	5/5/2009	Highway	0.08g	Corrosive Liquid Basic Organic	\$0
Norfolk	7/15/2009	Highway	0.26g	Nitric Acid	\$0
Norfolk	8/18/2009	Air	-	Cartridges Small Arms	\$0
Norfolk	5/2/2010	Water	0.53g	Corrosive Liquid Acidic Inorganic	\$4,000
Norfolk	10/10/2010	Water	5.00g	Cadmium Compounds	\$11,00
Norfolk	2/14/2011	Highway	0.13g	Ethyl Alcohol	\$0
Norfolk	3/20/2011	Air	14.99 lb	Fire Extinguishers	\$0
Norfolk	5/8/2011	Air	0.00g	Oxygen	\$0
Norfolk	7/11/2011	Highway	18.00 lb	Fire Extinguishers	\$0
Norfolk	7/13/2011	Highway	0.17g	Methanol	\$0
Norfolk	8/17/2011	Water, 8 injuries	5.00g	2-Dimethylaminoethyl Acrylate	\$7,956
Norfolk	9/11/2011	Air	0.13g		\$0
Norfolk	1/16/2012	Highway	1.00g	Sulfuric Acid	\$0
Norfolk	2/14/2012	Highway	0.26g	Paint	\$0

Community	Date	Mode of Transport & Injuries	Quantity Released	Commodity	Damage
Norfolk	11/15/2012	Highway	16.00 lb	Batteries	\$5,000
Norfolk	7/15/2013	Highway	25.00g	Hydrochloric Acid	\$0
Norfolk	9/13/2013	Highway	4,500.0g0	Ferric Chloride	\$340,00
Norfolk	5/9/2014	Highway	0.24g	Paint	\$0
Norfolk	9/29/2014	Highway	-	Carbon Dioxide, Solid Or Dry Ice	\$0
Norfolk	7/17/2015	Highway	5.00g	Diethyl Sulfide	\$0
Norfolk	8/7/2015	Highway	5.00 g	Corrosive Liquid, Acidic, Organic, N.O.S.	\$3,500
Norfolk	3/20/2018	Air	-	Cartridges, Signal	\$0
Norfolk	12/26/2018	Highway	240.00 lb	Batteries, Wet, Filled With Acid, Electric Storage	\$7,500
Norfolk	12/14/2018	Highway	0.50 g	Hydrochloric Acid	\$0
Norfolk	12/16/2020	Highway	20.00 g	Gasoline Includes Gasoline Mixed With Ethyl Alcohol, With Not More Than 10% Alcohol	\$2,000
Norfolk	9/16/2016	Air	0.05 lb	Lithium Ion Batteries Including Lithium Ion Polymer Batteries	\$0
Norfolk	7/10/2017	Air	0.03 g	Corrosive Liquids, N.O.S.	\$0
Norfolk	9/1/2017	Air		Pesticides, Liquid, Toxic, Flammable, N.O.S. Flash Point Not Less Than 23 Degrees C	\$0
Norfolk	12/14/2017	Air	0.00 cf	Carbon Dioxide	\$0
Norfolk	2/12/2018	Air	0.03 g	Paint Related Material Including Paint Thinning, Drying, Removing, Or Reducing Compound	\$0
Norfolk	5/9/2018	Air	0.00 g	Biological Substance, Category B	\$0
Norfolk	6/28/2018	Highway	5.00 g	Hydrochloric Acid	\$2,17
Norfolk	5/6/2019	Air		Fire Extinguishers Containing Compressed Or Liquefied Gas	\$0
Norfolk	2/13/2020	Highway	50.00 g	Diesel Fuel	\$10,15
Norfolk	9/10/2020	Air	0.26 g	Paint Including Paint, Lacquer, Enamel, Stain, Shellac Solutions, Varnish, Polish, Liquid Filler And Liquid Lacquer Base	\$0
					\$425,84
Portsmouth	4/2/1998	Highway	15.00g	Ethylene Glycol Diethyl Ether	\$500
Portsmouth	3/19/1999	Highway	400.00g	Dimethylethanolamine	\$100,00
Portsmouth	9/20/1999	Highway	2.00g	Aluminum Chloride Solution	\$0
Portsmouth	11/1/1999	Highway	30.00g	Sulfuric Acid	\$30
Portsmouth	12/10/1999	Highway, 1 injury	1.00g	Sulfuric Acid	\$1
Portsmouth	2/17/2000	Highway	0.08gg	Formaldehyde Solutions	\$0

Community	Date	Mode of Transport & Injuries	Quantity Released	Commodity	Damage
Portsmouth	8/4/2000	Highway	5.00g	Printing Ink Flammable	\$0
Portsmouth	8/15/2001	Highway	1.00g	Resin	\$0
Portsmouth	1/31/2002	Highway	0.25g	Chloroform	\$500
Portsmouth	3/7/2002	Highway	0.06g	Organic Peroxide Type B Liquid	\$0
Portsmouth	2/12/2003	Highway	5.00g	Fuel Aviation Turbine Engine	\$18
Portsmouth	3/25/2003	Highway	2.00g	Fuel Aviation Turbine Engine	\$9
Portsmouth	9/4/2003	Highway	1.00g	Gasoline	\$10
Portsmouth	11/13/2003	Highway	0.20g	Butyl Acetates	\$70
Portsmouth	12/12/2003	Highway	5.00g	Compound Cleaning Liquid	\$0
Portsmouth	1/5/2004	Highway	15.00g	Fuel Aviation Turbine Engine	\$52
Portsmouth	2/22/2005	Highway	10.00g	Paint	\$8,100
Portsmouth	10/20/2005	Highway	7.50g	Helium Refrigerated Liquid	\$0
Portsmouth	10/24/2005	Highway	100.00g	Paint Related Material	\$0
Portsmouth	4/26/2007	Highway	0.04g	Corrosive Liquids Toxic	\$0
Portsmouth	5/12/2007	Highway	25.00g	Hydrochloric Acid Solution	\$0
Portsmouth	5/15/2007	Highway	10.00g	Gasoline	\$4,030
Portsmouth	7/12/2007	Highway	1.00g	Paint	\$0
Portsmouth	8/8/2007	Highway	0.50g	Paint	\$0
Portsmouth	10/24/2007	Highway	0.25g	Paint	\$0
Portsmouth	2/11/2008	Highway	0.05g	Paint	\$0
Portsmouth	6/27/2008	Highway	0.25g	Paint	\$0
Portsmouth	7/3/2008	Highway	0.25g	Hydrogen Peroxide	\$0
Portsmouth	8/21/2008	Highway	0.13g	Paint	\$0
Portsmouth	9/26/2008	Highway	10.00g	Environmentally Hazmat	\$0
Portsmouth	10/24/2008	Highway	0.02g	Amines Liquid Corrosive	\$0
Portsmouth	3/26/2009	Rail	-	Air Bag Inflators	\$0
Portsmouth	8/13/2009	Highway	1.00g	Hydrochloric Acid Solution	\$0
Portsmouth	9/17/2009	Highway	0.50g	Corrosive Liquid Basic Organic	\$0
Portsmouth	9/28/2009	Highway	1.00g	Paint	\$0
Portsmouth	4/28/2010	Highway	0.06g	Corrosive Liquid Acidic Organic	\$0
Portsmouth	9/10/2010	Highway	3.00g	Corrosive Liquid Acidic Organic	\$0
Portsmouth	1/4/2011	Highway	500.00g	Sulfuric Acid	\$5,373
Portsmouth	2/28/2012	Highway, 1 injury	200.00g	Sodium Hydroxide	\$0
Portsmouth	8/14/2012	Highway	-	Compressed Gas	\$0

Community	Date	Mode of Transport & Injuries	Quantity Released	Commodity	Damag
Portsmouth	10/7/2012	Highway	0.05g	Corrosive Liquid, Basic, Inorganic	\$0
Portsmouth	5/9/2013	Highway	5.00g	Paint Related Material	\$0
Portsmouth	9/26/2013	Highway	5.00g	Corrosive Liquid, Basic, Inorganic	\$0
Portsmouth	10/31/2013	Highway	0.00g	Sulfuric Acid	\$0
Portsmouth	4/17/2017	Highway	0.05 g	Ethylene Oxide Or Ethylene Oxide With Nitrogen Up To A Total Pressure Of 1mpa (10 Bar) At 50 Degrees C	\$0
Portsmouth	12/14/2017	Highway	0.01 g	Corrosive Liquids, N.O.S.	\$1,00
Portsmouth	9/19/2018	Highway	5.00 g	Corrosive Liquids, N.O.S.	\$3,00
Portsmouth	5/5/2020	Highway	2.00 g	Isopropyl Alcohol	\$0
Portsmouth	7/1/2020	Highway	0.03 g	Corrosive Liquid, Acidic, Organic, N.O.S.	\$0
Portsmouth	7/1/2020	Highway	10.00 g	Corrosive Liquid, Acidic, Organic, N.O.S.	\$0
Portsmouth	9/6/2016	Rail	1.00 g	Paint Including Paint, Lacquer, Enamel, Stain, Shellac Solutions, Varnish, Polish, Liquid Filler And Liquid Lacquer Base	\$5,00
Portsmouth	10/19/2016	Rail	1.00 g	Paint Including Paint, Lacquer, Enamel, Stain, Shellac Solutions, Varnish, Polish, Liquid Filler And Liquid Lacquer Base	\$5,00
					\$132,6
Smithfield (Isle of Wight Co.)	2/7/2012	Highway	800.00g	Diesel Fuel	\$221,0
					\$221,0
Suffolk	8/10/1999	Highway	3.00g	Formaldehyde Solutions	\$500
Suffolk	8/6/2000	Highway	233.13g	Chlorine	\$0
Suffolk	1/8/2001	Highway	10.00cf	Ammonia Anhydrous Liquefied	\$40,01
Suffolk	4/17/2001	Highway	75.00g	Fuel Oil No. 1 2 4 5 Or 6	\$3,93
Suffolk	8/20/2001	Highway	1287.10g	Methanol	\$0
Suffolk	1/27/2002	Highway	7700.00g	Gasoline	\$220,5
Suffolk	9/30/2002	Rail	2.00g	Acrylic Acid Inhibited	\$0
Suffolk	11/20/2005	Highway	4.01cf	Liquefied Petroleum Gas	\$21,03
Suffolk	3/16/2006	Rail	0.00g	Sodium Hydroxide Solution	\$7,00
Suffolk	10/31/2006	Highway, 2 injuries	20.00g	Petroleum Gases Liquefied	\$0
Suffolk	10/2/2009	Highway	5.00g	Hypochlorite Solutions	\$0
Suffolk	9/21/2011	Highway	0.10g	Organic Peroxide Type D, Liquid	\$0

Community	Date	Mode of Transport & Injuries	Quantity Released	Commodity	Damages
Suffolk	1/10/2017	Highway	0.00 g	Denatured Alcohol	\$36,700
Suffolk	5/22/2017	Highway	1.00 g	Sodium Hypochlorite, Solution	\$2,000
Suffolk	8/21/2018	Highway	0.02 cf	Ammonia Anhydrous	\$0
					\$331,678
Surry County	10/28/2010	Highway	5.00 g	Flammable Liquids, N.O.S.	\$5,000
Surry County	2/21/2014	Highway	10.00 g	Sodium Hydroxide, Solution	\$2,550
					\$7,550
Virginia Beach	2/11/1998	Highway	4.00g	Potassium Hydroxide Solution	\$100
Virginia Beach	4/13/1998	Highway	0.75 lb	Carbamate Pesticides Solid Toxic	\$400
Virginia Beach	8/12/1998	Air	0.03g	Gasoline	\$0
Virginia Beach	12/7/1998	Air		Gasoline	\$0
Virginia Beach	2/22/1999	Highway	20.00g	Fuel Aviation Turbine Engine	\$670
Virginia Beach	5/11/1999	Highway	0.01g	Hydrochloric Acid Solution	\$250
Virginia Beach	5/19/1999	Air	0.79g	Paint	\$0
Virginia Beach	6/17/1999	Air, 1 injury		Styrene Monomer Inhibited	\$0
Virginia Beach	7/9/1999	Highway	0.06g	Hydrochloric Acid Solution	\$330
Virginia Beach	7/29/1999	Highway	0.06g	Hydrochloric Acid Solution	\$220
Virginia Beach	8/9/1999	Highway	0.50g	Hydrochloric Acid Solution	\$120
Virginia Beach	8/31/1999	Highway	0.06g	Organic Peroxide Type B Liquid	\$220
Virginia Beach	11/5/1999	Highway	1.00 lb	Sodium Hydrosulfide	\$145
Virginia Beach	12/9/1999	Highway	1.50g	Toxic Liquids Organic	\$225
Virginia Beach	1/30/2000	Air	5.28g	Resin	\$0
Virginia Beach	4/27/2000	Highway	0.50g	Corrosive Liquids	\$150
Virginia Beach	8/21/2000	Highway	0.25g	Organic Peroxide Type F Liquid	\$100
Virginia Beach	10/4/2000	Highway	0.05g	Corrosive Liquids Toxic	\$140
Virginia Beach	12/27/2000	Highway	0.02g	Flammable Liquids	\$350
Virginia Beach	2/26/2001	Highway	0.50g	Compound Cleaning Liquid	\$200
Virginia Beach	6/18/2001	Highway	0.02g	Organic Peroxide Type F Liquid	\$300
Virginia Beach	7/23/2001	Highway	0.50g	Adhesives	\$200
Virginia Beach	7/24/2001	Highway	0.03g	Caustic Alkali Liquids	\$1
Virginia Beach	10/5/2001	Highway		Dichloromethane	\$2,550
Virginia Beach	12/19/2001	Air	0.26g	Fuel Aviation Turbine Engine	\$0

Community	Date	Mode of Transport & Injuries	Quantity Released	Commodity	Damage
Virginia Beach	2/17/2002	Highway, 1 injury	0.07cf	Petroleum Gases Liquefied	\$0
Virginia Beach	2/20/2002	Highway	0.02g	Carbamate Pesticides Liquid Toxic	\$80
Virginia Beach	3/7/2002	Highway	0.02g	Organophosphorus Pesticides	\$200
Virginia Beach	3/14/2002	Highway	1.00g	Corrosive Liquid Basic Inorganic	\$70
Virginia Beach	4/3/2002	Highway	0.50g	Amines Liquid Corrosive	\$200
Virginia Beach	4/16/2002	Highway	0.03g	Ammonia Solutions	\$225
Virginia Beach	5/13/2002	Highway	0.02g	Toxic Liquids Organic	\$240
Virginia Beach	7/12/2002	Highway	1.00 lb	Organophosphorus Pesticides	\$1,550
Virginia Beach	8/6/2002	Highway	0.13g	Resin Solution Flammable	\$100
Virginia Beach	6/25/2003	Highway	5.00g	Compound Cleaning Liquid	\$185
Virginia Beach	8/8/2003	Highway	0.50g	Petroleum Gases Liquefied	\$33,50
Virginia Beach	12/2/2003	Highway	0.05g	Petroleum Distillates	\$105
Virginia Beach	12/8/2003	Highway	0.08g	Gas Oil	\$120
Virginia Beach	1/6/2004	Highway	0.19 lb	Resorcinol	\$0
Virginia Beach	2/19/2004	Highway	0.02g	Isopropanol	\$105
Virginia Beach	3/1/2004	Highway	0.50g	Hydrochloric Acid Solution	\$195
Virginia Beach	3/19/2004	Highway	4.00g	Environmentally Hazmat	\$145
Virginia Beach	3/29/2004	Highway	0.38 lb	Resorcinol	\$0
Virginia Beach	8/18/2004	Highway	30.00 lb	Fire Extinguishers	\$135
Virginia Beach	11/11/2004	Highway	0.05g	Organic Peroxide Type D Liquid	\$1
Virginia Beach	12/8/2004	Highway	0.02g	Corrosive Liquids	\$125
Virginia Beach	12/9/2004	Highway	0.26g	Corrosive Liquid Acidic Organic	\$105
Virginia Beach	1/31/2005	Highway	2.00 lb	Calcium Hypochlorite Hydrated	\$0
Virginia Beach	3/10/2005	Highway	0.09g	Paint	\$0
Virginia Beach	4/15/2005	Highway	0.13g	Paint	\$0
Virginia Beach	8/22/2005	Highway	0.03g	Toluene	\$0
Virginia Beach	9/12/2005	Highway	0.01g	Flammable Liquids	\$0
Virginia Beach	9/12/2005	Highway	1.00g	Paint	\$0
Virginia Beach	9/23/2005	Highway	1.00g	Paint	\$0
Virginia Beach	10/19/2005	Highway	0.75g	Paint	\$0
Virginia Beach	11/1/2005	Highway	0.06g	Compound Cleaning Liquid	\$0
Virginia Beach	3/20/2006	Highway	1.00g	Paint	\$0
Virginia Beach	5/22/2006	Highway	0.50g	Amines Liquid Corrosive	\$0
Virginia Beach	6/2/2006	Highway	0.06g	Corrosive Liquid Acidic Inorganic	\$0

Community	Date	Mode of Transport & Injuries	Quantity Released	Commodity	Damage
Virginia Beach	6/27/2006	Highway	0.13g	Methanol	\$0
Virginia Beach	7/13/2006	Highway	0.06 lb	Fire Extinguishers	\$0
Virginia Beach	7/28/2006	Highway	0.05g	Corrosive Liquids	\$0
Virginia Beach	9/21/2006	Highway	12.83cf	Liquefied Petroleum Gas	\$0
Virginia Beach	9/29/2006	Highway	0.25g	Heptanes	\$0
Virginia Beach	10/17/2006	Highway	1.50 lb	Consumer Commodity	\$0
Virginia Beach	2/22/2007	Highway	0.09g	Potassium Hydroxide Solution	\$0
Virginia Beach	3/22/2007	Highway	0.26g	Flammable Liquids	\$0
Virginia Beach	4/19/2007	Highway	0.25g	Corrosive Liquids	\$0
Virginia Beach	4/24/2007	Highway	1.00g	Acetic Acid Glacial	\$0
Virginia Beach	5/24/2007	Highway	1.00 lb	Fire Extinguishers	\$0
Virginia Beach	6/15/2007	Highway	0.50 lb	Fire Extinguishers	\$0
Virginia Beach	8/21/2007	Highway	0.13g	Paint	\$0
Virginia Beach	10/19/2007	Highway	0.27g	Aerosols Non-Flammable	\$0
Virginia Beach	12/4/2007	Highway	0.38 lb	Batteries Wet Filled	\$0
Virginia Beach	4/9/2008	Highway	0.06g	Paint	\$0
Virginia Beach	4/24/2008	Highway	0.31 lb	Fire Extinguishers	\$0
Virginia Beach	6/26/2008	Highway	0.13g	Petroleum Gases Liquefied	\$0
Virginia Beach	9/3/2008	Highway	0.09g	Corrosive Liquid Acidic Organic	\$0
Virginia Beach	9/4/2008	Highway	1.00g	Paint	\$0
Virginia Beach	9/29/2008	Highway	-	Aerosols Flammable	\$0
Virginia Beach	10/9/2008	Air	0.02g	Corrosive Liquids	\$0
Virginia Beach	10/15/2008	Highway	2.00 lb	Consumer Commodity	\$0
Virginia Beach	10/29/2008	Highway	0.13g	Ethanol (Ethyl Alcohol)	\$0
Virginia Beach	11/6/2008	Highway	1.00 lb	Paint	\$0
Virginia Beach	3/11/2009	Highway	0.19 lb	Consumer Commodity	\$0
Virginia Beach	4/2/2009	Highway	1.63 lb	Consumer Commodity	\$0
Virginia Beach	6/21/2009	Highway	15.00g	Gasoline	\$10,05
Virginia Beach	6/24/2009	Highway	0.14g	Paint Related Material	\$0
Virginia Beach	7/7/2009	Highway	0.08g	Corrosive Liquids	\$0
Virginia Beach	9/2/2009	Air	0.26g	Paint	\$0
Virginia Beach	9/3/2009	Highway	1.00g	Paint Related Material	\$0
Virginia Beach	10/6/2009	Highway	0.53g	Sodium Hydroxide Solution	\$0
Virginia Beach	10/19/2009	Highway	0.14g	Aerosols Flammable	\$0
Virginia Beach	10/22/2009	Highway	0.08g	Paint	\$0

Community	Date	Mode of Transport & Injuries	Quantity Released	Commodity	Damage
Virginia Beach	12/10/2009	Highway	0.05g	Consumer Commodity	\$0
Virginia Beach	12/18/2009	Highway	5.00g	Alcohols	\$0
Virginia Beach	12/18/2009	Air	0.03g	Biological Substance Category B	\$0
Virginia Beach	3/2/2010	Highway	0.63g	Isopropyl Alcohol	\$0
Virginia Beach	3/10/2010	Highway	0.31 lb	Fire Extinguishers	\$0
Virginia Beach	3/10/2010	Highway	0.02g	Paint Related Material	\$0
Virginia Beach	3/15/2010	Highway	0.03g	Methyl Ethyl Ketone	\$0
Virginia Beach	3/24/2010	Highway	0.03g	Amines Liquid Corrosive	\$0
Virginia Beach	4/19/2010	Highway	0.50 lb	Fire Extinguishers	\$0
Virginia Beach	5/7/2010	Highway	0.04g	Aerosols Flammable	\$0
Virginia Beach	5/12/2010	Highway	0.50g	Coating Solution	\$0
Virginia Beach	5/24/2010	Highway	0.00g	Consumer Commodity	\$0
Virginia Beach	5/24/2010	Highway	0.13g	Hydrochloric Acid Solution	\$0
Virginia Beach	5/28/2010	Highway	0.02g	Paint Related Material	\$0
Virginia Beach	6/15/2010	Highway	0.02g	Organophosphorus Pesticides	\$0
Virginia Beach	7/2/2010	Highway	0.01g	Paint	\$0
Virginia Beach	7/9/2010	Air	0.13g	Corrosive Liquids	\$0
Virginia Beach	7/26/2010	Air	0.14g	Aerosols Flammable	\$0
Virginia Beach	8/17/2010	Highway	1.00g	Caustic Soda Solution	\$0
Virginia Beach	9/20/2010	Highway	0.23g	Ethyl Methyl Ketone	\$0
Virginia Beach	3/18/2011	Highway	0.08g	Corrosive Liquids	\$0
Virginia Beach	7/1/2011	Highway	0.13g	Paint Related Material	\$0
Virginia Beach	7/11/2011	Highway	0.09g	Aerosols, Poison, Packing Group lii	\$0
Virginia Beach	8/12/2011	Highway	0.38g	Amines Liquid, Corrosive	\$0
Virginia Beach	8/15/2011	Highway	1.00g	Paint Related Material	\$0
Virginia Beach	9/7/2011	Highway	0.25g	Hydrogen Peroxide	\$0
Virginia Beach	9/23/2011	Highway	2.00g	Paint Related Material	\$0
Virginia Beach	11/1/2011	Highway	20.00g	Coating Solution	\$0
Virginia Beach	11/16/2011	Air	0.01g	Dangerous Goods In Machinery	\$0
Virginia Beach	11/21/2011	Highway	358.00g	Diesel Fuel	\$6,450
Virginia Beach	12/20/2011	Air	0.08g	Dangerous Goods In Machinery	\$0
Virginia Beach	1/16/2012	Highway	3.25g	Chloroform	\$0
Virginia Beach	2/9/2012	Highway	0.01g	Resin Solution, Flammable	\$0
Virginia Beach	3/6/2012	Highway	0.25g	Paint Related Material	\$0
Virginia Beach	3/12/2012	Highway	0.25g	Isopropyl Alcohol	\$0

Community	Date	Mode of Transport & Injuries	Quantity Released	Commodity	Damage
Virginia Beach	4/5/2012	Highway	0.02g	Isopropanol	\$0
Virginia Beach	4/16/2012	Highway	2.00g	Hydrochloric Acid	\$0
Virginia Beach	5/14/2012	Air	0.07g		\$0
Virginia Beach	5/16/2012	Highway	0.04g	Corrosive Liquid, Acidic, Inorganic	\$0
Virginia Beach	8/28/2012	Highway	0.02g	Paint	\$0
Virginia Beach	9/20/2012	Air	0.06g		\$0
Virginia Beach	1/16/2013	Highway	0.25g	Flammable Liquids	\$0
Virginia Beach	3/15/2013	Highway	0.31g	Aerosols, Flammable	\$0
Virginia Beach	4/23/2013	Highway	2.00g	Paint Related Material	\$0
Virginia Beach	7/23/2013	Highway	1.00g	Paint Related Material	\$0
Virginia Beach	9/13/2013	Highway	0.50g	Paint Related Material	\$0
Virginia Beach	10/25/2013	Highway	1.00 lb	Smokeless Powder For Small Arms	\$0
Virginia Beach	11/23/2013	Air	0.07cf	Carbon Dioxide	\$0
Virginia Beach	4/11/2014	Highway	0.25g	Compounds, Tree Killing, Liquid	\$0
Virginia Beach	5/30/2014	Highway	1.00g	Resin Solution, Flammable	\$0
Virginia Beach	6/6/2014	Highway	0.04g	Flammable Liquids, Toxic	\$0
Virginia Beach	6/24/2014	Highway	1.00g	Corrosive Liquid, Basic, Inorganic	\$0
Virginia Beach	7/31/2014	Highway	1.00g	Acetone	\$0
Virginia Beach	8/5/2014	Air	0.13g	Paint	\$0
Virginia Beach	11/13/2014	Highway	1.00g	Denatured Alcohol	\$0
Virginia Beach	11/25/2014	Highway	0.09g	Hydrogen Peroxide And Peroxyacetic Acid Mixtures	\$0
Virginia Beach	5/12/2015	Highway	0.00g	Corrosive Liquid, Basic, Inorganic	\$0
Virginia Beach	7/8/2015	Highway	1.25g	Flammable Liquids	\$0
Virginia Beach	7/16/2015	Highway	2.67cf	Lpg	\$0
Virginia Beach	7/20/2015	Highway	0.00g	Corrosive Liquid, Acidic, Inorganic	\$0
Virginia Beach	4/19/2016	Highway	0.01 g	Resin Solution, Flammable	\$2,000
Virginia Beach	8/19/2015	Highway	1.00 g	Paint Including Paint, Lacquer, Enamel, Stain, Shellac Solutions, Varnish, Polish, Liquid Filler And Liquid Lacquer Base	\$0
Virginia Beach	11/5/2015	Highway	0.50 g	Flammable Liquids, N.O.S.	\$0
Virginia Beach	2/5/2016	Highway	0.25 g	Flammable Liquids, N.O.S.	\$0
Virginia Beach	6/9/2016	Highway	0.02 g	Corrosive Liquid, Basic, Inorganic, N.O.S.	\$0
Virginia Beach	10/19/2016	Highway	0.25 g	Sodium Hydroxide, Solution	\$0
Virginia Beach	10/12/2016	Highway	18.75 g	Liquefied Gas, N.O.S.	\$0

Community	Date	Mode of Transport & Injuries	Quantity Released	Commodity	Damage
Virginia Beach	10/3/2016	Highway	0.03 g	Sodium Hydroxide, Solution	\$0
Virginia Beach	12/1/2016	Highway	5.00 g	Paint Including Paint, Lacquer, Enamel, Stain, Shellac Solutions, Varnish, Polish, Liquid Filler And Liquid Lacquer Base	\$0
Virginia Beach	4/17/2017	Highway	0.08 g	Sodium Hydroxide, Solution	\$0
Virginia Beach	6/5/2017	Highway	1.00 g	Paint Including Paint, Lacquer, Enamel, Stain, Shellac Solutions, Varnish, Polish, Liquid Filler And Liquid Lacquer Base	\$0
Virginia Beach	6/19/2017	Highway	0.06 g	Paint Including Paint, Lacquer, Enamel, Stain, Shellac Solutions, Varnish, Polish, Liquid Filler And Liquid Lacquer Base	\$0
Virginia Beach	10/2/2017	Highway	15.00 g	Hypochlorite Solutions	\$3,400
Virginia Beach	1/24/2018	Highway	10.00 g	Flammable Liquids, N.O.S.	\$0
Virginia Beach	4/23/2018	Highway	0.19 lb	Batteries, Wet, Filled With Acid, Electric Storage	\$0
Virginia Beach	3/5/2018	Highway	0.31 lb	Batteries, Wet, Filled With Acid, Electric Storage	\$0
Virginia Beach	5/23/2018	Highway	0.03 g	Paint Including Paint, Lacquer, Enamel, Stain, Shellac Solutions, Varnish, Polish, Liquid Filler And Liquid Lacquer Base	\$0
Virginia Beach	5/23/2018	Highway	0.03 g	Paint Including Paint, Lacquer, Enamel, Stain, Shellac Solutions, Varnish, Polish, Liquid Filler And Liquid Lacquer Base	\$0
Virginia Beach	10/26/2018	Highway	1.00 g	Resin Solution, Flammable	\$0
Virginia Beach	11/15/2018	Highway	0.01 g	Paint Related Material Including Paint Thinning, Drying, Removing, Or Reducing Compound	\$0
Virginia Beach	11/29/2018	Highway	0.04 g	Paint Including Paint, Lacquer, Enamel, Stain, Shellac Solutions, Varnish, Polish, Liquid Filler And Liquid Lacquer Base	\$0
Virginia Beach	4/10/2019	Highway	8.00 lb	Batteries, Wet, Filled With Acid, Electric Storage	\$0
Virginia Beach	7/9/2019	Highway	1.00 g	Sodium Hydroxide, Solution	\$0
Virginia Beach	11/18/2019	Highway	0.04 g	Paint Including Paint, Lacquer, Enamel, Stain, Shellac Solutions, Varnish, Polish, Liquid Filler And Liquid Lacquer Base	\$0
Virginia Beach	12/11/2019	Highway	1.00 g	Paint Including Paint, Lacquer, Enamel, Stain, Shellac Solutions, Varnish, Polish, Liquid Filler And Liquid Lacquer Base	\$0
Virginia Beach	12/26/2019	Highway	1.00 g	Paint Including Paint, Lacquer, Enamel, Stain, Shellac	\$0

Community	Date	Mode of Transport & Injuries	Quantity Released	Commodity	Damage
				Solutions, Varnish, Polish, Liquid Filler And Liquid Lacquer Base	
Virginia Beach	8/7/2020	Highway	0.01 g	Adhesives, Containing A Flammable Liquid	\$0
Virginia Beach	8/12/2020	Highway	5.00 g	Butylene See Also Petroleum Gases, Liquefied	\$0
Virginia Beach	10/20/2020	Highway	0.08 g	Paint Including Paint, Lacquer, Enamel, Stain, Shellac Solutions, Varnish, Polish, Liquid Filler And Liquid Lacquer Base	\$0
Virginia Beach	11/10/2020	Highway	1.00 g	Adhesives, Containing A Flammable Liquid	\$0
Virginia Beach	12/3/2020	Highway	0.59 g	Gasoline Includes Gasoline Mixed With Ethyl Alcohol, With Not More Than 10% Alcohol	\$6,500
Virginia Beach	11/2/2015	Highway	1.00 g	Flammable Liquids, N.O.S.	\$0
Virginia Beach	11/24/2015	Highway	0.04 g	Corrosive Liquid, Basic, Inorganic, N.O.S.	\$0
Virginia Beach	12/17/2015	Air	-	Carbon Dioxide, Solid Or Dry Ice	\$0
Virginia Beach	5/1/2018	Air	-	Carbon Dioxide, Solid Or Dry Ice	\$0
Virginia Beach	9/25/2018	Air	0.00 g	Engines Internal Combustion, Or Engines, Fuel Cell, Flammable Liquid Powered	\$0
Virginia Beach	10/15/2020	Highway	50.00 g	Gasoline Includes Gasoline Mixed With Ethyl Alcohol, With Not More Than 10% Alcohol	\$6,350
Virginia Beach	1/8/2016	Highway	-	Carbon Dioxide, Solid Or Dry Ice	\$0
Virginia Beach	3/22/2016	Highway	2.50 g	Flammable Liquids, N.O.S.	\$0
Virginia Beach	9/9/2016	Air	-	Carbon Dioxide, Solid Or Dry Ice	\$0
Virginia Beach	4/6/2017	Highway	0.00 g	Ethanol Solutions	\$0
Virginia Beach	5/2/2017	Highway	-	Aerosols, Flammable, (Each Not Exceeding 1 L Capacity)	\$0
Virginia Beach	5/16/2018	Highway	-	Carbon Dioxide, Solid Or Dry Ice	\$0
Virginia Beach	7/16/2018	Highway	0.00 g	Corrosive Liquids, N.O.S.	\$0
Virginia Beach	10/19/2018	Highway	-	Carbon Dioxide, Solid Or Dry Ice	\$0
Virginia Beach	12/17/2018	Highway	-	Lithium Ion Batteries Contained In Equipment Including Lithium Ion Polymer Batteries	\$0
Virginia Beach	12/17/2018	Highway	0.01 g	Alcohols, N.O.S.	\$0
Virginia Beach	11/5/2019	Highway	0.50 g	Hydrogen Peroxide And Peroxyacetic Acid Mixtures, Stabilized With Acids, Water, And Not More Than 5 Percent Peroxyacetic Acid	\$0
Virginia Beach	11/26/2019	Highway	-	Dry Ice	\$0
Virginia Beach	12/7/2019	Highway	5.00 lb	Batteries, Wet, Filled With Acid, Electric Storage	\$0
Virginia Beach	8/28/2020	Highway	-	Ethyl Alcohol	\$0

HAZARDOUS MATERIALS INCIDENTS (1998 – 2021)					
Community	Date	Mode of Transport & Injuries	Quantity Released	Commodity	Damages
Virginia Beach	9/2/2020	Highway	0.50 g	Corrosive Liquid, Acidic, Inorganic, N.O.S.	\$0
Virginia Beach	9/30/2020	Highway	0.09 gg	Hydrogen, Peroxide, Aqueous Solutions With More Than 40 Percent But Not More Than 60 Percent Hydrogen Peroxide (Stabilized As Necessary)	\$0
Virginia Beach	10/20/2020	Highway	0.79	Isopropanol Or Isopropyl Alcohol	\$0
Virginia Beach	11/20/2020	Highway	0.00 g	Isopropanol Or Isopropyl Alcohol	\$0
Virginia Beach	11/28/2020	Highway	0.50 g	Isopropyl Alcohol	\$0
					\$78,807
Williamsburg	4/27/2001	Highway	475.00g	Gasoline	\$6,000
Williamsburg	2/18/2003	Highway	1.00g	Paint Related Material	\$50
Williamsburg	9/26/2008	Highway	15.00g	Gasoline	\$795
					\$6,845
Yorktown (York Co.)	8/4/2006	Highway	25.00g	Fuel Oil (NO. 1, 2, 4, 5, Or 6)	\$0
Yorktown (York Co.)	1/31/2014	Highway	160.00 lb	Environmentally Hazardous Substances, Solid	\$0

Source: U.S. Department of Transportation, May 2021

## HAMPTON ROADS HAZARD MITIGATION PLAN APPENDIX J - ARCHIVED MITIGATION ACTIONS

The following mitigation actions were previously adopted by these communities and are included for archival purposes.

## **TOWN OF BOYKINS**

#### **TOWN OF BOYKINS MITIGATION ACTION 1**

Continue to support ongoing North Carolina / Virginia railroad efforts to widen and deepen ditches on both sides of railroad tracks south of Highway 186 to S. Railroad St., then back on Tarrara Swamp.

BACKGROUND INFORMATION				
Site and Location: Highway 186 to South Railroad Street				
Benefit Cost:	This area floods with high frequency and may be impeding free-flow of water to and through Tarrara Swamp.			
MITIGATION ACTION DETAILS				
Hazard(s) Addressed:		Flooding		
Goal(s) Addressed:		Goal 1, Objectives 1.1, 1.2, 1.3, 1.5; Goal 3		
Priority (High, Moderate, Low):		High		
Impact on Socially Vulnerable Populations:		High		
Estimated Cost:		No cost to town		
Potential Funding Sources:		None needed		
Lead Agency/Departr	nent Responsible:	Town of Boykins Mayor's Office		
Implementation Sche	dule:	Ongoing		
ADDITIONAL COMMENTS				
Elimination of standing water in this area will also benefit mosquito control efforts.				

#### TOWN OF BOYKINS MITIGATION ACTION 2

Continue to coordinate with Dominion Power on upgrading all poles, wires, attachments and generators (complete upgrade of services), removing all poles from swamp area and mitigating tree limb damage.

Benefit Cost:       Frequent outages during wind, thunderstorms and ice events affect residents and emergency response capabilities.         MITIGATION ACTION DETAILS       Item tem tem tem tem tem tem tem tem tem	Site and Location:	Throughout Town			
and emergency response capabilities.         MITIGATION ACTION DETAILS         Hazard(s) Addressed:       Tropical/Coastal Storm, Winter Storm, Wildfire         Goal(s) Addressed:       Goal 1, Objective 1.3; Goal 3, Objective 3.4         Priority (High, Moderate, Low):       High         Impact on Socially Vulnerable Populations:       Moderate         Estimated Cost:       None to town         Potential Funding Sources:       DHS: HMGP         Lead Agency/Department Responsible:       Town of Boykins Mayor's Office         Implementation Schedule:       Ongoing					
Hazard(s) Addressed:Tropical/Coastal Storm, Winter Storm, WildfireGoal(s) Addressed:Goal 1, Objective 1.3; Goal 3, Objective 3.4Priority (High, Moderate, Low):HighImpact on Socially Vulnerable Populations:ModerateEstimated Cost:None to townPotential Funding Sources:DHS: HMGPLead Agency/Department Responsible:Town of Boykins Mayor's OfficeImplementation Schedule:Ongoing	Benefit Cost:				
Goal (s) Addressed:Goal 1, Objective 1.3; Goal 3, Objective 3.4Priority (High, Moderate, Low):HighImpact on Socially Vulnerable Populations:ModerateEstimated Cost:None to townPotential Funding Sources:DHS: HMGPLead Agency/Department Responsible:Town of Boykins Mayor's OfficeImplementation Schedule:Ongoing	MITIGATION ACTION DETAILS				
Priority (High, Moderate, Low):       High         Impact on Socially Vulnerable Populations:       Moderate         Estimated Cost:       None to town         Potential Funding Sources:       DHS: HMGP         Lead Agency/Department Responsible:       Town of Boykins Mayor's Office         Implementation Schedule:       Ongoing	Hazard(s) Addressed:		Tropical/Coastal Storm, Winter Storm, Wildfire		
Impact on Socially Vulnerable Populations:ModerateEstimated Cost:None to townPotential Funding Sources:DHS: HMGPLead Agency/Department Responsible:Town of Boykins Mayor's OfficeImplementation Schedule:Ongoing	Goal(s) Addressed:		Goal 1, Objective 1.3; Goal 3, Objective 3.4		
Estimated Cost:       None to town         Potential Funding Sources:       DHS: HMGP         Lead Agency/Department Responsible:       Town of Boykins Mayor's Office         Implementation Schedule:       Ongoing	Priority (High, Moderate, Low):		High		
Potential Funding Sources:       DHS: HMGP         Lead Agency/Department Responsible:       Town of Boykins Mayor's Office         Implementation Schedule:       Ongoing	Impact on Socially Vulnerable Populations:		Moderate		
Lead Agency/Department Responsible:       Town of Boykins Mayor's Office         Implementation Schedule:       Ongoing	Estimated Cost:		None to town		
Implementation Schedule: Ongoing	Potential Funding Sources:		DHS: HMGP		
	Lead Agency/Departm	ent Responsible:	Town of Boykins Mayor's Office		
ADDITIONAL COMMENTS	mplementation Schedule: Ongoing				

Broaden outreach for and increase participation in Reverse 911 citizen notification system for multiple hazards.

	noughout rown			
	Site and Location: Throughout Town			
	A coordinated warning system for multiple hazards gives citizens time and opportunity to prepare for an event and to protect life and property.			
MITIGATION ACTION DETAILS				
Hazard(s) Addressed:		All		
Goal(s) Addressed:		Goal 2		
Priority (High, Moderate, L	_ow):	Moderate		
Impact on Socially Vulner	able Populations:	Moderate		
Estimated Cost:		\$5,000		
<b>Potential Funding Sources</b>	s:	DHS: BRIC, HGSP, HMGP, HMGP 5% Initiative		
Lead Agency/Department	Responsible:	Town of Boykins Mayor's Office		
Implementation Schedule		Within 4 years		
ADDITIONAL COMMENTS				

Coordinate with Southampton County and the American Red Cross on public education and awareness campaigns to ensure citizens are knowledgeable of protective preparedness and mitigation activities that will lessen the potential impacts of disasters. Include information about the availability and value of flood insurance through the Town's participation in the National Flood Insurance Program (NFIP).

BACKGROUND INFORMATION				
Site and Location:	Throughout Town			
Benefit Cost:	Low-cost protection me	easures help citizens help themselves.		
MITIGATION ACTION D	ETAILS			
Hazard(s) Addressed:		All		
Goal(s) Addressed:		Goal 1, Goal 2, and Goal 3		
Priority (High, Moderate, Low):		High		
Impact on Socially Vulnerable Populations:		Moderate		
Estimated Cost:		To be determined		
Potential Funding Sources:		DHS: BRIC, HGSP, HMGP, HMGP 5% Initiative; American Red Cross; FEMA materials provided at no charge; Virginia CFPF		
Lead Agency/Departme	ent Responsible:	Town of Boykins		
Implementation Sched	ule:	Continuous		
ADDITIONAL COMMENTS				
Particular life/safety concerns were identified, specifically related to driving on roads that have been or could be flooded, and promoting water conservation techniques during widespread power outages. Distribution of information on the value and availability of flood insurance is representative of the Town's				

Strategy for Continued Participation in the NFIP.

### TOWN OF BOYKINS MITIGATION ACTION 5

Acquire floodprone structures and convert land to open space. Other mitigation measures may include elevation, retrofit, mitigation reconstruction projects, or relocation of floodprone structures.

BACKGROUND INFORMATION			
Site and Location:	Flood-prone areas throughout town		
	Additional flood-prone structures targeted for mitigation may be identified after future disasters.		
MITIGATION ACTION D	ETAILS		
Hazard(s) Addressed:		Flooding	
Goal(s) Addressed:		Goal 1, Objectives 1.1, 1.2	
Priority (High, Moderate, Low):		Moderate	
Impact on Socially Vulnerable Populations:		High	
Estimated Cost:		\$50,000 for land; \$8,000 for each demolition	
Potential Funding Sources:		DHS: HMGP, BRIC, FMA; Virginia CFPF; USACE: FPMS	
Lead Agency/Department Responsible:		Town of Boykins Mayor's Office	
Implementation Schedule:		To be determined	
ADDITIONAL COMMENTS			
Several high priority flood-prone homes on Spring Street have been purchased and the land converted to open space.			

## **TOWN OF BRANCHVILLE**

### TOWN OF BRANCHVILLE MITIGATION ACTION 1

Enhance the community center's ability to serve as an assembly point, distribution and information center during disasters, whether long- or short-term events.

BACKGROUND INFORMATION		
Site and Location:	Community Center in the Town of Branchville	
Benefit Cost:	The center has served as a temporary shelter, but is not equipped to do so safely. Benefits accrue when residents are protected and do not have to be housed in motels.	
MITIGATION ACTION DETAILS		
Hazard(s) Addressed:		All
Goal(s) Addressed:		Goal 1, Objectives 1.3, 1.4, 1.5
Priority (High, Moderate, Low):		High
Impact on Socially Vulnerable Populations:		Moderate
Estimated Cost:		\$20,000
Potential Funding Sources:		DHS: BRIC, HMGP, HMGP 5% Initiative, HSGP; Virginia CFPF; ARPA funds
Lead Agency/Department Responsible:		Town of Branchville; Southampton County
Implementation Schedule:		Within 2 years
ADDITIONAL COMMENTS		
The Community Center has served as a short term staging area for distributing donated goods and foods to disaster victims during Hurricane Isabel in 2003, a 2002 HAZMAT incident, an ice storm in		

foods to disaster victims during Hurricane Isabel in 2003, a 2002 HAZMAT incident, an ice storm in 2000, and Hurricane Floyd in 1999. However, this building is not equipped with a big enough kitchen, stockpiled foods, blankets and beds to accommodate evacuees or displaced residents at times when Branchville becomes isolated.



Coordinate with Southampton County regarding expansion of the culvert under the local CSX railroad trestle to minimize future flooding events.

BACKGROUND INFORMATION		
Site and Location:	The culvert is located 0.2 miles east of the Town of Branchville on Highway 186.	
Benefit Cost:	Hurricane Isabel-2003, Hurricane Floyd-1999, and other major storm events have routinely flooded residential areas in the Whitehead Road area and along Highway 666. Expansion of the culvert would reduce the annual flood damages in the area. On Whitehead Road, flood waters have come up to houses, flooded garages, and inundated areas underneath houses. Along Highway 666 the water has flooded areas surrounding houses, but most are elevated 12-18 inches above grade. Flood damages have not been confirmed. Flood waters have also reached the nearby church, with no damages confirmed. During Hurricane Floyd, caskets floated out of the ground.	
MITIGATION ACTION D	ETAILS	
Hazard(s) Addressed:		Flooding, Sea Level Rise and Land Subsidence
Goal(s) Addressed:		Goal 1, Objective 1.1, 1.2, 1.3, 1.4, 1.5; Goal 3
Priority (High, Moderate, Low):		High
Impact on Socially Vulnerable Populations:		Moderate
Estimated Cost:		To be determined; requires engineering study
Potential Funding Sour	ces:	DHS: BRIC, HMGP; CSX
Lead Agency/Departme		Town of Branchville and Southampton County
Implementation Schedu	ule:	Within 4 years
ADDITIONAL COMMENTS		
A small culvert (approximately 5' x 4') on the CSX railroad track located just outside of town caused widespread flooding in the north areas of Whitehead Road and has resulted in property damages. Railroad trestle blocks up, and "acts like a dam" causing the north side of Highway 186 to flood. Future flooding could cause repeated damages to residential structures in the area. Most flooding problems occur in unincorporated Southampton County – not in town limits – but one of the creeks is within town limits. People look to the Town for help.		

#### TOWN OF BRANCHVILLE MITIGATION ACTION 3

Coordinate with Southampton County and the American Red Cross on extensive public education and awareness campaigns to ensure citizens are knowledgeable of protective preparedness and mitigation activities that will lessen the potential impacts of disasters. Include information about the availability and value of flood insurance through the Town's participation in the National Flood Insurance Program (NFIP).

BACKGROUND INFORMATION			
Site and Location:	Throughout Town		
Site and Location.	Throughout Town		
Benefit Cost:	Low-cost protection me	easures help citizens help themselves.	
<b>MITIGATION ACTION</b>	I DETAILS		
Hazard(s) Addressed:		All	
Goal(s) Addressed:		Goal 1, Goal 2, and Goal 3	
Priority (High, Moderate, Low):		High	
Impact on Socially Vulnerable Populations:		Moderate	
Estimated Cost:		To be determined	
Potential Funding Sources:		DHS: BRIC, HGSP, HMGP, HMGP 5% Initiative; American Red Cross; FEMA materials provided at no charge; Virginia CFPF	
Lead Agency/Department Responsible:		Town of Branchville	
Implementation Schedule:		Continuous	
ADDITIONAL COMMENTS			
Particular life/safety concerns were identified, specifically related to driving on roads that have been or could be flooded, and promoting water conservation techniques during widespread power outages.			

Distribution of information on the value and availability of flood insurance is representative of the Town's Strategy for Continued Participation in the NFIP.

Distribution of information on the value and availability of flood insurance is considered a strategy for continued participation in the NFIP.

### TOWN OF BRANCHVILLE MITIGATION ACTION 4

Educate town residents what can be expected following major disaster events and how to be prepared to be on their own for at least 72 hours before outside help arrives.

BACKGROUND INFORMATION		
Site and Location:	Town of Branchville and surrounding communities	
Benefit Cost:	In both Hurricane Isabel, 2003, and Hurricane Floyd, 1999, Branchville	
	residents would have b	enefitted from better knowledge about how to prepare.
MITIGATION ACTION D	ETAILS	
Hazard(s) Addressed:		Flooding, Tropical/Coastal Storm, Tornado, Winter Storm, Earthquake, Wildfire, Drought, Extreme Heat, Hazardous Materials Incident
Goal(s) Addressed:		Goal 2, Objective 2.1
Priority (High, Moderate, Low):		Moderate
Impact on Socially Vulnerable Populations:		Moderate
Estimated Cost:		Staff time
Potential Funding Sour	rces:	N/A
Lead Agency/Departme	ent Responsible:	Town of Branchville
Implementation Schedule:		Continuous
ADDITIONAL COMMENTS		

Request, gather and assist in distribution of information regarding regional evacuation plans in Virginia *and* North Carolina.

BACKGROUND INFORMATION		
Site and Location:	Town of Branchville and surrounding communities	
Benefit Cost:	Branchville resources are limited and the community is unable to house evacuees from outside the immediate area.	
MITIGATION ACTION	DETAILS	
Hazard(s) Addressed:Tropical/Coastal Storm, Flooding, Winter Storm, Wildfire, Hazardous Materials Incident		Tropical/Coastal Storm, Flooding, Winter Storm, Wildfire, Hazardous Materials Incident
Goal(s) Addressed:		Goal 2; Goal 3, Objective 3.1, 3.4
Priority (High, Moderate, Low):		Moderate
Impact on Socially Vulnerable Populations:		Moderate
Estimated Cost:		Staff time; and limited copying costs
Potential Funding Sources:		VDEM, NC Division of Emergency Management, Virginia Department of Transportation
Lead Agency/Department Responsible:		Town of Branchville; Southampton County; HRPDC
Implementation Schedule:		Within 5 years
ADDITIONAL COMMENTS		
During Hurricanes Isabel and Floyd, many evacuees from North Carolina ended up in Branchville for		

food, lodging and other needs. However, the Town was isolated from other major cities and lacked resources to accommodate evacuees. It is necessary to distribute information regionally on recognized evacuation routes to better guide evacuees from North Carolina, and to stockpile maps and road signs and other information about official emergency shelters.

### TOWN OF BRANCHVILLE MITIGATION ACTION 6

Prepare structure-specific plan to protect repetitively flooded structures from flood damage. Actions could include floodproofing retrofits, elevation of structure and/or critical components, acquisition and then demolition, relocation or repurposing of structure(s). This action includes Mitigation Reconstruction projects.

BACKGROUND INFORMATION			
Site and Location:	Townwide		
Cost Benefit:	Average annual flood o	lamages would be reduced through mitigation actions.	
oost Benent.	riverage annuar nood e	amages would be reduced through magation actions.	
MITIGATION ACTION D	ETAILS		
		Flooding, Sea Level Rise and Land Subsidence,	
Hazard(s) Addressed:		Winter Storm	
Goal(s) Addressed:		Goal 1, Objective 1.1, 1.2	
Priority (High, Moderate, Low):		Moderate	
Impact on Socially Vulnerable Populations:		Moderate	
Estimated Cost:		To be determined	
Potential Funding Sources		DHS: BRIC, HMGP, FMA, RFC; HSGP; Virginia	
Potential Funding Sources:		CFPF	
Lead Agency/Departme	ent Responsible:	Town Office	
Implementation Schedule:		Ongoing	
ADDITIONAL COMMENTS			

## **TOWN OF CAPRON**

#### TOWN OF CAPRON MITIGATION ACTION 1

Coordinate with Southampton County and the American Red Cross on extensive public education and awareness campaigns to ensure citizens are knowledgeable of protective preparedness and mitigation activities that will lessen the potential impacts of disasters.

BACKGROUND INFORMATION			
Site and Location:	Throughout Town		
Benefit Cost:	Low-cost protection measures help citizens help themselves.		
MITIGATION ACTION D	MITIGATION ACTION DETAILS		
Hazard(s) Addressed:		All	
Goal(s) Addressed:		Goal 1, Goal 2, and Goal 3	
Priority (High, Moderate, Low):		High	
Impact on Socially Vulnerable Populations:		Moderate	
Estimated Cost:		To be determined	
Potential Funding Sources:		DHS: BRIC, HGSP, HMGP; American Red Cross;	
Potential Funding Sources:		FEMA materials provided at no charge	
Lead Agency/Department Responsible:		Town of Capron; Southampton County	
Implementation Schedule:		Continuous	
ADDITIONAL COMMENTS			
Particular life/safety concerns were identified regarding driving on roads that have been or could be flooded, and promoting water conservation techniques during widespread power outages.			

# **TOWN OF COURTLAND**

		TOWN OF COURTLAND MITIGATION ACTION 1	
Continue to impleme	nt stormwater drainage	projects.	
BACKGROUND INFORMATION			
Site and Location:	Throughout Courtland	Throughout Courtland	
Benefit Cost:	There have been multiple precipitation events, with excess stormwater causing damage to buildings, cars, cemetery plots and trees.		
MITIGATION ACTION DETAILS			
Hazard(s) Addressed:		Flooding, Sea Level Rise and Land Subsidence, Landslide/Coastal Erosion	
Goal(s) Addressed:		Goal 1, Objectives 1.1, 1.2, 1.3, 1.4, 1.5	
Priority (High, Moderate, Low):		High	
Impact on Socially Vulnerable Populations:		High	
Estimated Cost:		Project dependent	
<b>Potential Funding So</b>	urces:	DHS: HMGP; Virginia CFPF; ARPA	
Lead Agency/Departr	nent Responsible:	Town of Courtland	
Implementation Schedule:		Ongoing	
ADDITIONAL COMMENTS			
Recent progress has been made, but additional measures may be called for in the future, including use of an existing pond for drainage retention. VDOT has cleared lines, and regular maintenance and inspection is part of keeping the stormwater system operating well.			

## TOWN OF COURTLAND MITIGATION ACTION 2

Broaden outreach for and increase participation in Reverse 911 citizen notification system for multiple hazards.

BACKGROUND INFORMATION		
Site and Location:	Throughout town	
Benefit Cost:	A coordinated warning system for multiple hazards gives citizens time and	
	opportunity to prepare	for an event and to protect life and property.
MITIGATION ACTION DETAILS		
Hazard(s) Addressed:		All
Goal(s) Addressed:		Goal 2
Priority (High, Moderate, Low):		High
Impact on Socially Vulnerable Populations:		Moderate
Estimated Cost:		\$5,000
Potential Funding Sources:		DHS: BRIC, HGSP, HMGP, HMGP 5% Initiative
Lead Agency/Department Responsible:		Town of Courtland; Southampton County
Implementation Schedule:		As soon as possible
ADDITIONAL COMMEN	ITS	

The Town is tied into the County's Reverse 911 system, but additional action is necessary to increase citizen activation.

## TOWN OF COURTLAND MITIGATION ACTION 3

BACKGROUND INFORMATION		
Site and Location:	Courtland Elementary School	
Benefit Cost:	Additional public shelter would benefit evacuees in the region.	
MITIGATION ACTION DETAILS		
Hazard(s) Addressed:		Flooding, Tropical/Coastal Storm, Tornado, Winter Storm, Earthquake, Wildfire, Drought, Extreme Heat, Hazardous Materials Incident
Goal(s) Addressed:		Goal 1, Objective 1.2, 1.3
Priority (High, Moderate, Low):		High
Impact on Socially Vulnerable Populations:		Moderate
Estimated Cost:		To be determined
Potential Funding Sour	rces:	DHS: BRIC, HGSP, HMGP, HMGP 5% Initiative
Lead Agency/Department Responsible:		Town of Courtland and the American Red Cross
Implementation Schedule:		As soon as possible
ADDITIONAL COMMENTS		
This building has been identified as having potential to serve as a shelter. Some mitigation actions have been implemented, but additional retrofits are necessary.		

Coordinate with Southampton County and the American Red Cross on extensive public education and awareness campaigns to ensure citizens are knowledgeable of protective preparedness and mitigation activities that will lessen the potential impacts of disasters. Include information about the availability and value of flood insurance through the Town's participation in the National Flood Insurance Program (NFIP).

participation in the National Flood insurance Flogram (NFIF).			
BACKGROUND INFORMATION			
Site and Location:	Throughout Town		
Benefit Cost:	Low-cost protection me	easures help citizens help themselves.	
MITIGATION ACTION DE	MITIGATION ACTION DETAILS		
Hazard(s) Addressed:		All	
Goal(s) Addressed:		Goal 1, Goal 2, and Goal 3	
Priority (High, Moderate, Low):		High	
Impact on Socially Vulnerable Populations:		Moderate	
Estimated Cost:		To be determined	
Potential Funding Sources:		DHS: BRIC, HGSP, HMGP; American Red Cross; FEMA materials provided at no charge	
Lead Agency/Department Responsible:		Town of Courtland, Southampton County	
Implementation Schedule:		Continuous	
ADDITIONAL COMMENTS			
Particular life/safety concerns were identified related to driving on roads that have been or could be flooded, and promoting water conservation techniques during widespread power outages. Distribution of information on the value and availability of flood insurance is representative of the Town's Strategy			

for Continued Participation in the NFIP.

### TOWN OF COURTLAND MITIGATION ACTION 5

Prepare structure-specific plan to protect repetitively flooded structures from flood damage. Actions could include floodproofing retrofits, elevation of structure and/or critical components, acquisition and then demolition, relocation or repurposing of structure(s). This action includes Mitigation Reconstruction projects.

BACKGROUND INFORMATION		
Site and Location:	Townwide	
Cost Benefit:	Average annual flood damages would be reduced through mitigation actions	
MITIGATION ACTION DI	ETAILS	
Hazard(s) Addressed:		Flooding, Sea Level Rise and Land Subsidence, Winter Storm
Goal(s) Addressed:		Goal 1, Objectives 1.1, 1.2
Priority (High, Moderate, Low):		Moderate
Impact on Socially Vulnerable Populations:		High
Estimated Cost:		To be determined
Potential Funding Sources:		DHS: BRIC, HMGP, FMA, RFC; HSGP; Virginia CFPF
Lead Agency/Department Responsible:		Town Office
Implementation Schedule:		Ongoing
ADDITIONAL COMMEN	ſS	
		vn-owned structures of concern.

## **TOWN OF IVOR**

### TOWN OF IVOR MITIGATION ACTION 1

Conduct a public awareness campaign on burning laws in order to reduce the number of occurrences of wildfires.

BACKGROUND INFORMATION		
Site and Location:	Ivor and surrounding areas identified as high risk for wildfire.	
Benefit Cost:	Laws are designed to prevent high risk burning by property owners, so knowledge of those laws is critical to preventing wildfire. Benefits accrue through reduced wildfire damages.	
<b>MITIGATION ACTION D</b>	ETAILS	
Hazard(s) Addressed:		Wildfire
Goal(s) Addressed:		Goal 2
Priority (High, Moderate, Low):		High
Impact on Socially Vulnerable Populations:		Moderate
Estimated Cost:		\$5,000 per year
Potential Funding Sources:		Virginia Department of Forestry (VDOF); DHS: HMGP 5% Initiative
Lead Agency/Department Responsible:		Town, in coordination with the Virginia Department of Forestry
Implementation Schedule:		Annually, prior to and during burning season
ADDITIONAL COMMENTS		
Work with VDOF to establish a more aggressive public awareness campaign to inform citizens of the burning laws and the consequences of breaking these laws.		

### TOWN OF IVOR MITIGATION ACTION 2

Establish buffer zones between residential construction and wooded areas in high wildfire risk zones.

BACKGROUND INFOR	MATION	
Site and Location:	Ivor and surrounding areas identified as high risk for wildfire.	
Benefit Cost:	Early identification of high wildfire zones during the development process allows easier incorporation of protection measures in the project design.	
MITIGATION ACTION D	ETAILS	
Hazard(s) Addressed:		Wildfire
Goal(s) Addressed:		Goal 1, Objectives 1.2, 1.6
Priority (High, Moderate, Low):		High
Impact on Socially Vulnerable Populations:		Moderate
Estimated Cost:		Staff time
Potential Funding Sources:		N/A
Lead Agency/Department Responsible:		Town, in coordination with Southampton County Department of Community Development
Implementation Schedule:		Within 2 years
ADDITIONAL COMMEN	ITS	
	considering building in a	velopment staff to inform developers and individual a high risk area for wildfire, and make suggestions on

#### TOWN OF IVOR MITIGATION ACTION 3

Coordinate with Southampton County and the American Red Cross on public education and awareness campaigns to ensure citizens are knowledgeable of protective preparedness and mitigation activities that will lessen the potential impacts of disasters. Include information about the availability and value of flood insurance through the Town's participation in the National Flood Insurance Program (NFIP).

BACKGROUND INFORMATION		
Site and Location:	Throughout Town	
Benefit Cost:	Hurricane Isabel, 2003	
	Hurricane Floyd, 1999	
	Multiple winter storms,	severe thunderstorms and hazardous material events
MITIGATION ACTION D	DETAILS	
Hazard(s) Addressed:		All
Goal(s) Addressed:		Goal 1, Goal 2, and Goal 3
Priority (High, Moderate, Low):		High
Impact on Socially Vulnerable Populations:		Moderate
Estimated Cost:		To be determined
Potential Funding Sources:		DHS: BRIC, HGSP, HMGP; American Red Cross; FEMA materials provided at no charge
Lead Agency/Departme	ent Responsible:	Town of Ivor, Southampton County
Implementation Schedule:		Continuous
ADDITIONAL COMMENTS		
Particular life/safety concerns were identified related to driving on roads that have been or could be flooded, and promoting water conservation techniques during widespread power outages. Distribution of information on the value and availability of flood insurance is representative of the Town's Strategy for Continued Participation in the NEU.		

for Continued Participation in the NFIP.

#### TOWN OF IVOR MITIGATION ACTION 4

Prepare structure specific plan to protect repetitively flooded structures from flood damage. Actions could include floodproofing retrofits, elevation of structure and/or critical components, acquisition and then demolition, relocation or repurposing of structure(s). This action includes Mitigation Reconstruction projects.

BACKGROUND INFORMATION			
Site and Location:	Townwide		
Cost Benefit:	Average annual flood damages would be reduced through mitigation actions.		
MITIGATION ACTION D	ETAILS		
Hazard(s) Addressed:		Flooding, Sea Level Rise and Land Subsidence, Winter storm	
Goal(s) Addressed:		Goal 1, Objectives 1.1, 1.2	
Priority (High, Moderate, Low):		Moderate	
Impact on Socially Vulnerable Populations:		Moderate	
Estimated Cost:		To be determined	
Potential Funding Sources:		DHS: BRIC, HMGP, FMA, RFC; HSGP; Virginia CFPF	
Lead Agency/Departme	ent Responsible:	Town Office	
Implementation Schedule:		Ongoing	
ADDITIONAL COMMENTS			

# **TOWN OF NEWSOMS**

#### TOWN OF NEWSOMS MITIGATION ACTION 1

Coordinate with Southampton County and the American Red Cross on extensive public education and awareness campaigns to ensure citizens are knowledgeable of protective preparedness and mitigation activities that will lessen the potential impacts of disasters.

BACKGROUND INFORMATION		
Site and Location:	Throughout Town	
Benefit Cost:	Low-cost protection measures help citizens help themselves.	
MITIGATION ACTION	DETAILS	
Hazard(s) Addressed:		All
Goal(s) Addressed:		Goal 1, Goal 2, and Goal 3
Priority (High, Moderat	te, Low):	High
Impact on Socially Vulnerable Populations:		Moderate
Estimated Cost:		To be determined
Potential Funding Sources:		DHS: BRIC, HGSP, HMGP, HMGP 5% Initiative; American Red Cross; FEMA materials provided at no charge
Lead Agency/Department Responsible:		Town of Newsoms, Southampton County
Implementation Schedule:		Continuous
ADDITIONAL COMMENTS		
Particular life/safety concerns were identified related to driving on roads that have been or could be flooded, and promoting water conservation techniques during widespread power outages.		

Broaden outreach for and increase participation in Reverse 911 citizen notification system for multiple hazards.

BACKGROUND INFORMATION		
Site and Location:	Throughout Town	
Benefit Cost:	A coordinated warning system for multiple hazards gives citizens time and opportunity to prepare for an event and to protect life and property. The existing siren system has limited capability and must be triggered from Courtland.	
MITIGATION ACTION	DETAILS	
Hazard(s) Addressed:		All
Goal(s) Addressed:		Goal 2
Priority (High, Moderate, Low):		High
Impact on Socially Vulnerable Populations:		Moderate
Estimated Cost:		\$5,000
Potential Funding Sou	rces:	DHS: BRIC, HGSP, HMGP, HMGP 5% Initiative
Lead Agency/Departm	ent Responsible:	Town of Newsoms, Southampton County
Implementation Schedule:		Within 3 years
ADDITIONAL COMMENTS		
This action has been coordinated with the County; however additional action is required to increase citizen participation in the County's Reverse 911 system.		

## TOWN OF NEWSOMS MITIGATION ACTION 3

Implement projects to improve drainage as identified in Town's 2011 stormwater study.			
<b>BACKGROUND INFOR</b>	MATION		
Site and Location:	Throughout Town		
Benefit Cost:	An ongoing study will provide additional details regarding design storms,		
	project costs and priori	ties.	
MITIGATION ACTION D	DETAILS		
Hazard(s) Addressed:		Flooding	
Goal(s) Addressed:		Goal 1, Objectives 1.2, 1.3	
Priority (High, Moderate, Low):		High	
Impact on Socially Vulnerable Populations:		Moderate	
Estimated Cost:		\$50,000 - \$500,000	
Potential Funding Sou	rces:	DHS: BRIC, HGSP, HMGP, Virginia CFPF	
Lead Agency/Department Responsible:		Town of Newsoms	
Implementation Schedule:		Within 10 years	
ADDITIONAL COMMENTS			

## TOWN OF NEWSOMS MITIGATION ACTION 4

Coordinate with the Virginia Department of Conservation and Recreation to resolve questions
related to the Town's participation in the National Flood Insurance Program (NFIP).

BACKGROUND INFORMATION		
Site and Location:	Throughout Town	
	Citizens have expressed interest in purchasing flood insurance in areas not mapped as Special Flood Hazard Areas on the FIRM.	
<b>MITIGATION ACTION DE</b>	TAILS	
Hazard(s) Addressed:		Flooding, Sea Level Rise and Land Subsidence
Goal(s) Addressed:		Goal 1
Priority (High, Moderate, Low):		High
Impact on Socially Vulnerable Populations:		Moderate
Estimated Cost:		None
Potential Funding Sources:		N/A
Lead Agency/Department Responsible:		Town of Newsoms with assistance from HRPDC and Virginia DCR
Implementation Schedule:		Within 1 year
ADDITIONAL COMMENTS		
Town officials believe that a resolution and an ordinance were passed in 2000 to gain acceptance into the NFIP; however, State officials and NFIP records do not show Newsoms as a participating jurisdiction.		

### TOWN OF NEWSOMS MITIGATION ACTION 5

Prepared structure-specific plan to protect repetitively flooded structures from flood damage. Actions could include joining NFIP, floodproofing retrofits, elevation of structure and/or critical components, acquisition and then demolition, relocation or repurposing of structure(s). This action includes Mitigation Reconstruction projects.

BACKGROUND INFORMATION			
Site and Location:	Townwide		
Cost Benefit:	Average annual flood damages would be reduced through mitigation actions.		
MITIGATION ACTION DE	TAILS		
Hazard(s) Addressed: Flooding, Sea Level Rise and Storm		Flooding, Sea Level Rise and Land Subsidence, Winter Storm	
Goal(s) Addressed:		Goal 1, Objectives 1.1, 1.2	
Priority (High, Moderate, Low):		Moderate	
Impact on Socially Vulnerable Populations:		Moderate	
Estimated Cost:		To be determined	
Potential Funding Sources:		DHS: BRIC, HMGP, FMA, RFC; HSGP Note: these funding sources are not available until the Town joins the NFIP; Virginia CFPF	
Lead Agency/Department Responsible:		Town Office	
Implementation Schedule:		Ongoing	
ADDITIONAL COMMENTS			