

A G E N D A
JAMES CITY COUNTY BOARD OF SUPERVISORS
READING FILE
County Government Center Board Room
101 Mounts Bay Road, Williamsburg, VA 23185
December 14, 2021
5:00 PM

A. FOR YOUR INFORMATION

1. Floodplain Management Plan Annual Report
2. Eastern Virginia Regional Industrial Facility Authority - FY21 Annual Report

ITEM SUMMARY

DATE: 12/14/2021

TO: The Board of Supervisors

FROM: Michael Woolson, Section Chief, Resource Protection, Stormwater and Resource Protection Division

SUBJECT: Floodplain Management Plan Annual Report

ATTACHMENTS:

	Description	Type
☐	Cover memo	Cover Memo
☐	Annual Report	Exhibit

REVIEWERS:

Department	Reviewer	Action	Date
Engineering & Resource Protection	Small, Toni	Approved	11/24/2021 - 10:03 AM
Development Management	Holt, Paul	Approved	11/24/2021 - 2:59 PM
Publication Management	Daniel, Martha	Approved	11/24/2021 - 3:19 PM
Legal Review	Kinsman, Adam	Approved	11/29/2021 - 7:40 AM
Board Secretary	Saeed, Teresa	Approved	11/30/2021 - 1:29 PM
Board Secretary	Purse, Jason	Approved	12/7/2021 - 2:30 PM
Board Secretary	Saeed, Teresa	Approved	12/7/2021 - 2:34 PM

MEMORANDUM

DATE: December 14, 2021

TO: The Board of Supervisors

FROM: Michael D. Woolson, Section Chief, Resource Protection, Stormwater and Resource Protection Division

SUBJECT: Reading File - Floodplain Management Plan Annual Report

James City County participates in the National Flood Insurance Program (NFIP) which is administered by FEMA. The County's participation allows citizens to obtain flood insurance coverage through the NFIP. FEMA also administers a program called the Community Rating System (CRS) which provides incentives for communities to go beyond the minimum requirements of the NFIP. These incentives are in the form of premium discounts for insurance policy holders.

The County participates in the CRS program and effective October 1, 2020, the County was upgraded to a Class 5 community, providing a 25% premium discount to flood insurance policy holders. On October 20, 2021, the County passed the annual recertification process with a construction certification correctness rate of 100%. One of the activities that the County receives credit for is the preparation of a Floodplain Management Plan. This plan is contained in the Hampton Roads Hazard Mitigation Plan, which was adopted by the Board on March 14, 2017. One of the requirements of the activity is to prepare an annual report regarding the plan's implementation and submit it to the governing body and the media. A press release has been prepared regarding the annual report and the submission of the report to the Board as a reading file item fulfills the other notification requirement.

MDW/ap
Reading File-FMPAnnualRpt21-mem

Attachment



FLOODPLAIN MANAGEMENT PLAN – FY 2021 ANNUAL REPORT

Background

Activity 510 of the National Flood Insurance Program’s (NFIP) Community Rating System (CRS) requires the development of a Floodplain Management Plan and an annual report on the progress made in implementing the Plan. James City County’s Floodplain Management Plan is contained within the ***Hampton Roads Hazard Mitigation Plan 2017 Update***. This updated Plan, which is a revision of the 2011 plan, was adopted by the James City County Board of Supervisors on March 14, 2017, making it a governing document for the topic. The Plan identifies the potential hazards facing the region and the County including hazards such as flooding, tropical/coastal storms, sea level rise and land subsidence, tornados, wildfires, winter storms, earthquakes, and hazard material incidents. The Plan includes an assessment of the risks involved with these hazards and potential mitigation efforts that can be undertaken to minimize the losses associated with these hazards. In the Plan, flooding was identified as the hazard with the highest hazard level affecting the region.

The updated plan includes some Mitigation Action Items specifically developed to improve the floodplain management activities in the County. This report will present overall Goals related to hazard mitigation and Objectives related to floodplain management as well as Mitigation Actions developed specifically for James City County with recent accomplishments related to those Mitigation Actions.

Mitigation Plan Goals and Objectives

Goals, Objectives, and Mitigation Actions were formulated after the risks from and vulnerabilities to natural hazards were identified in the Plan. The updated Goals and Objectives are presented below.

Goal 1 - Increase community resiliency by reducing vulnerability to hazards

Objective 1.1: Reduce damage to repetitively flooded properties

Objective 1.2: Protect existing and future development

Objective 1.3: Protect critical facilities/infrastructure

Objective 1.4: Maintain government services throughout hazard events

Objective 1.5: Reduce hazard-related impacts on daily routines

Objective 1.6: Preserve and enhance benefits of natural areas

Goal 2 - Educate the public about hazard vulnerabilities and ways to reduce risk

Objective 2.1: Encourage property owners to assume responsibility for reducing vulnerability

Goal 3 - Strengthen and develop partnerships for mitigating hazard impacts

Objective 3.1: Integrate mitigation concepts into the community's daily activities, processes, and functions

Objective 3.2: Improve and standardize hazard data collection and mapping

Objective 3.3: Leverage shared resources in pursuit of funding for hazard mitigation projects

Objective 3.4: Develop partnerships among local, regional, national, and international organizations

Mitigation Actions for James City County

There were nine Mitigation Actions identified for implementation in James City County to increase community resiliency. Not all of the Action Items are directly related to increasing resiliency related to flooding. Recent accomplishments related to Mitigation Actions directed at improving flooding resiliency are presented below.

Action 1 – Protect critical facilities, including refuges, while increasing potential refuge capacity and/or protected areas. Protection measures may include emergency generator or other power sources, wind or flood retrofits, elevation, relocation, or reconstruction.

A study was completed in 2017 that reviewed County facilities to study existing and potential shelter areas within those facilities. Actions that could be taken to strengthen any of those shelter areas were identified in the study. In addition, the James City Service Authority floodproofed the sewage lift station at 7213 Merrimac Trail by adding a second floor and elevating all the controls and the generator above flood levels. *(Schedule – completed 2019)*

Action 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. This action may include Climate Resilient Mitigation Activities (CRMA).

Work has not begun on implementation of study recommendations to date. *(Schedule – the News Road Armoring Flood Mitigation Project and Route 5 Flood Mitigation Study are programmed in the draft FY23-24 Capital Improvement Plan Budget Stormwater Project List for FY27)*

Action 3 – Conduct annual meeting with VDOT and utilities to identify hazard areas and potential projects to mitigate those areas.

Communication is maintained with VDOT and various utilities throughout the year as needed to discuss any hazards identified and ways to address those hazards. An annual meeting was not considered necessary in 2020 nor in 2021.

Action 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.

Activity 510

The County developed a Flood Mitigation Grant program for implementation of small-scale flood mitigation projects. Property owners are able to apply for funds to implement eligible flood mitigation measures such as installation of flood vents, protection of service and mechanical equipment by elevating or relocating the equipment, or for funds to analyze their property to identify cost effective mitigation measures. A pilot program was developed in 2019 and the full program became operational during 2020. Priority will be given to repetitively flooded properties. *(Schedule – ongoing)*

Action 5 – Continue strengthening the County’s Floodplain Management Program with the following actions:

1) Review floodplain ordinance regularly for appropriateness of higher standards and necessary updates;

The Ordinance was last updated on January 9, 2018, to bring it into compliance with state requirements.

2) Provide specialized training and support for Certified Floodplain Manager (CFM) certification for floodplain plan reviews, inspectors and permit processors;

Training is provided for CFM staff members through professional, regional, and state training opportunities.

3) 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;

Assessment was completed for 2019. No update for 2020 or 2021.

4) Conduct an annual Flood Exercise with After-Action Report and analysis;

The County felt the effects of Hurricane Dorian in 2019. An after-action report was completed for Dorian. Emergency Management also participated in a flood exercise for Lake Matoaka on the William & Mary campus. There were no actions taken during 2020 due to the Covid-19 crisis.

5) Building Safety and Permits (BSP) plans examiners to provide information and resources to help builders evaluate hydrostatic (flood) vent options. Material to be available on department’s website, and hands-on assistance at the permit counter, including an operational vent to show builders.

Information on code compliant flood vents is available on the Building Safety and Permits website. Questions about flood vents may be emailed to the division at:

buildingsafetyandpermits@jamescitycountyva.gov.

6) Continue outreach efforts through a strategically developed Plan for Public Information (PPI) using the following seven steps:

- 1. Create a PPI Committee***
- 2. Assess County’s public information needs***
- 3. Formulate multi-hazard messages***

4. Identify outreach projects to convey the messages

5. Examine other public information initiatives

6. Prepare the PPI document

7. Implement, monitor and evaluate the program

The County will not be pursuing the establishment of a PPI Committee due to duplicative efforts in other departments. This action will be removed from the next HRPDC Mitigation Hazard Plan update.

7) Obtain StormReady designation through NOAA

The County obtained StormReady designation on January 11, 2018. StormReady helps communities improve communication and safety skills needed to save lives and property before, during and after an event.

8) Conduct annual Hazard Mitigation Workshop to update and share hazard mitigation information and discuss potential projects. Invite relevant County departments, non-profits agencies and other stakeholders. Develop annual Hazard Mitigation Potential Project list with ready package for submittal as funding become available.

A Continuity of Operations Plan and an updated Point of Distribution plan were created in 2019.

Other Recent County Actions in Support of Floodplain Management

1. A flood study of the Route 5 (John Tyler Highway) culvert located near Jamestown High School and the Fieldcrest subdivision was completed to identify improvements that could lessen flooding in this area.
2. A flood study in the Chisel Run area of the Powhatan Creek watershed was completed to better identify flood risks and drainage improvements that may be necessary in that area.
3. A study has been completed that identifies and evaluates flood mitigation alternatives in the lower Powhatan Creek watershed.
4. Watershed management plans have been completed for the Powhatan, Yarmouth, Mill, Gordon, Skimino, and Ware Creek watersheds. Future studies include updates to the Powhatan and Yarmouth Creek watershed management plans and a new plan for the Diascund Creek watershed and are budgeted in FY22.
5. The Stormwater Division has spent approximately \$13,565,273 on construction projects to mitigate flood, drainage, and erosion problems throughout the County since 2007.
6. The Flood Insurance Rate Maps (FIRM) for the County were updated and adopted by the Board of Supervisors on December 16, 2015.

ITEM SUMMARY

DATE: 12/14/2021

TO: The Board of Supervisors

FROM: Teresa J. Saeed, Deputy Clerk

SUBJECT: Eastern Virginia Regional Industrial Facility Authority - FY21 Annual Report

ATTACHMENTS:

	Description	Type
▣	FY 21 Annual Report	Exhibit

REVIEWERS:

Department	Reviewer	Action	Date
Board Secretary	Saeed, Teresa	Approved	12/7/2021 - 2:20 PM



ANNUAL REPORT

July 1, 2020 to June 30, 2021

During the July 1, 2020 to June 30, 2021 period, EVRIFA formalized the creation of the Kings Creek Commerce Center Project with the approval of the project and authorization of the Kings Creek Commerce Center Participation Agreement with those localities participating in the project, including the establishment of the Kings Creek Commerce Center Committee. The City of Hampton, Isle of Wight County, City of Newport News, City of Poquoson, City of Williamsburg and York County all elected to participate in the Kings Creek Commerce Center Project.

The Kings Creek Commerce Center Project includes the acquisition of the 432-acre parcel in York County presently owned by the Commonwealth of Virginia, and includes a lease of a portion of the property to a solar company, as well as the marketing and sale of additional developable acreage for development supportive of EVRIFA's mission. EVRIFA has continued its coordination and work with KDC Solar, LLC, which specializes in the development and operation of solar facilities, to lease a portion of the property to create a 20 megawatt solar facility. Closing on the 432-acre parcel, and related lease with KDC Solar, LLC, is anticipated in late 2021.

Additionally, this year EVRIFA successfully adapted to the COVID-19 pandemic and continued its operations by adopting virtual meeting formats for the EVRIFA Board and Kings Creek Commerce Center Committee meetings.

At the close of the period starting July 1, 2020 and ending June 30, 2021, EVRIFA had \$118,199.63 in current assets, which included \$112,500.00 associated with the Kings Creek Commerce Center Project, and \$1,537.00 in liabilities.

Eastern Virginia Regional Industrial Facility Authority was formed pursuant to the Virginia Regional Industrial Facilities Act, Chapter 64, Title 15.2, Section 15.2-6400. et seq., Code of Virginia, 1950, as amended.

**EVRIFA Board of Directors
As of June 30, 2021**

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Richard Grice, Treasurer Isle of Wight County	Donnie Tuck City of Hampton	Bill Carr* City of Williamsburg
David Hux, Secretary City of Poquoson	James Ford Isle of Wight County	Harold Philipsen City of Williamsburg
Debbie Ritter City of Chesapeake	Sue Sadler James City County	Mark Carter York County
Rick West City of Chesapeake	Vince Campana, III James City County	Sheila Noll York County
Phillip Bazzani* Gloucester County	Alonzo Bell, Jr. City of Newport News	
Robert Orth Gloucester County	McKinley Price, DDS City of Newport News	

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Patrick Reynolds City of Chesapeake	Mary Bunting City of Hampton	J. Randall Wheeler City of Poquoson
Steven Wright City of Chesapeake	Chris Morello Isle of Wight County	Timothy Trant* City of Poquoson
Jay Brenchick* City of Franklin	Randy Keaton Isle of Wight County	Andrew Trivette City of Williamsburg
Amanda Jarratt City of Franklin	Chris Johnson James City County	Michele DeWitt City of Williamsburg
Brent Fedors Gloucester County	Jason Purse James City County	Jim Noel York County
Sherry Spring Gloucester County	Cynthia D. Rohlf City of Newport News	Neil Morgan York County
Charles Rigney City of Hampton	Florence G. Kingston City of Newport News	

* Denotes Partial Year; Vacated Seat Prior to June 30, 2021

Kings Creek Commerce Center Committee

Charles Rigney
City of Hampton

Alonzo Bell, Jr.
City of Newport News

Michele DeWitt
City of Williamsburg

Donnie Tuck
City of Hampton

Florence G. Kingston
City of Newport News

Harold Philipsen
City of Williamsburg

Richard Grice
Isle of Wight County

David Callis
City of Poquoson

Mark Carter
York County

Chris Morello
Isle of Wight County

David Hux
City of Poquoson

Jim Noel
York County