

# 2022 Hampton Roads Hazard Mitigation Plan

Public Meeting #1

April 20, 2021





## Hampton Roads Planning District Commission

*partnering with*



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# Introductions

**Please type your location in the chat so we know which communities are represented.**

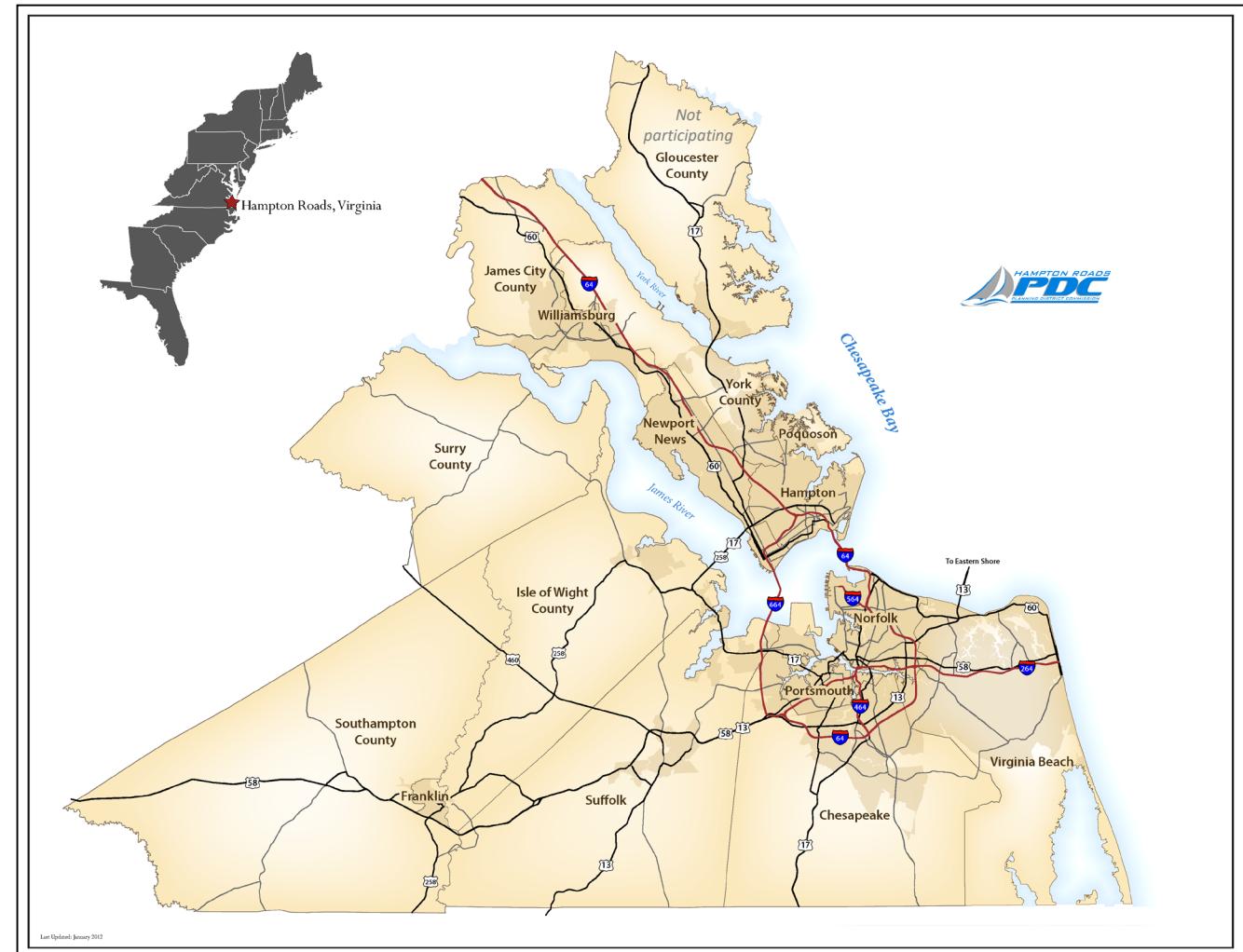


# 25 Participating Jurisdictions

# 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, Claremont and Dendron



# 10-Step Process within the 4-Phase FEMA Guidance

## Phase I: Organize Resources

- ✓ Get organized
- ✓ Plan for public involvement
- ✓ Coordinate with other departments & agencies

## Phase II: Assess Risk

- Identify the hazards
- Assess the risks



## Phase III: Develop Mitigation Plan

- Review mitigation alternatives
- Set planning goals
- Draft an action plan

## Phase IV: Adopt & Implement

- Adopt the plan
- Implement the plan

# Terminology

**Vulnerability:** Susceptibility to harm, damage, or loss



# Terminology

**Exposure:** People, property, systems, or functions that could be lost to a hazard

**Risk:** Probabilistic determination of the likelihood of an event occurring based on past experiences.

- Combines hazard, vulnerability, exposure, and probability



# Terminology

**Mitigation:** Any sustained action taken to reduce or eliminate the long-term risk to human life and property from hazards.



## Why Mitigate?

- Limit the impact of hazard events
- Protect existing development & infrastructure
- Protect future development & infrastructure
- Plan ahead according to a community vision for hazard damage reduction
- Implement & update in accordance with FEMA standards to maintain grant eligibility = \$\$\$ for mitigation projects

# Why update the Mitigation Plan?

Things change!

- Mitigation actions are completed
- Nature & magnitude of risks may change
- Community goals change
- Resources & capabilities change over time
- Implementation problems

- Required under DMA 2000 every 5 years, or after a disaster
- Opportunity to integrate plan into existing planning mechanisms



# Natural Hazards Summary

## 2017 Plan's List of Hazards

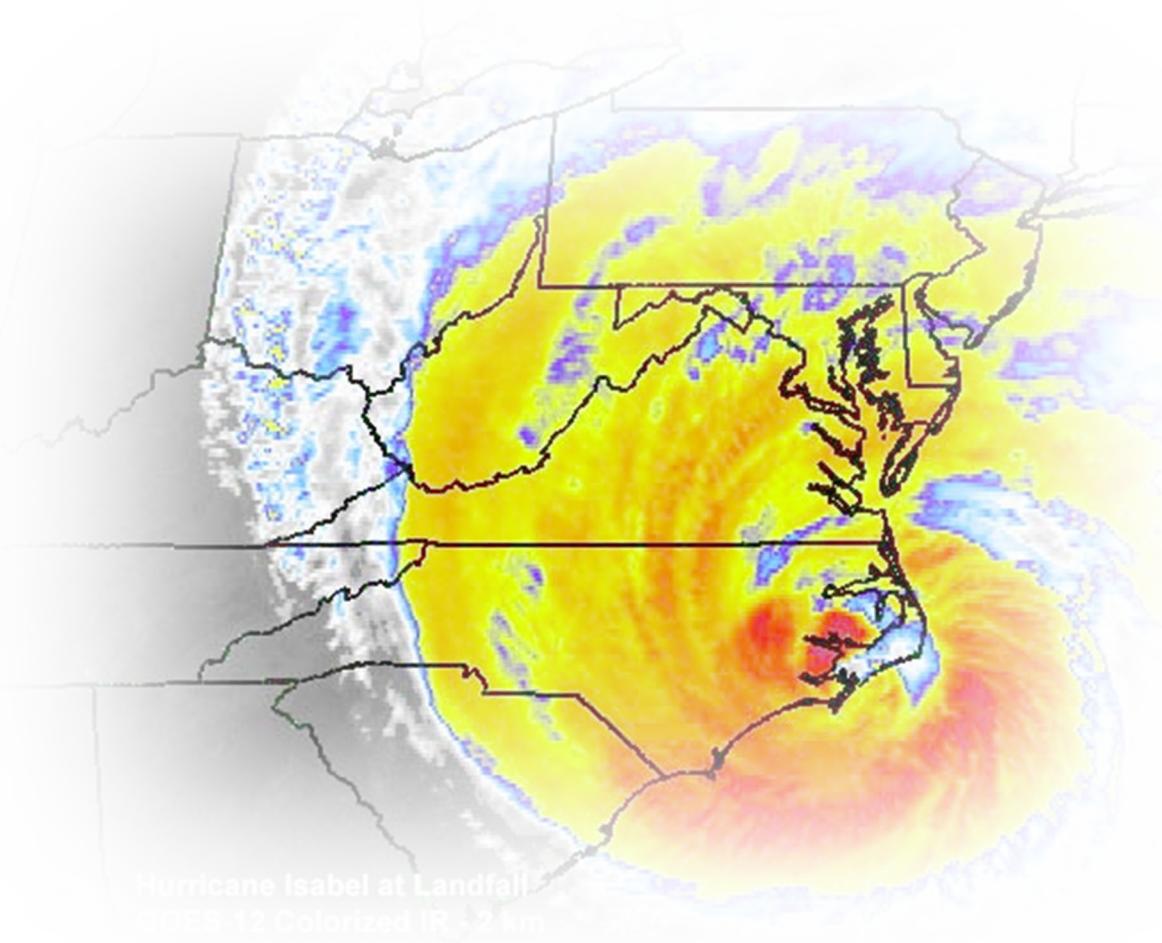
CRITICAL HAZARD - HIGH RISK	FLOODING TROPICAL/COASTAL STORM
CRITICAL HAZARD - MODERATE RISK	SEA LEVEL RISE AND LAND SUBSIDENCE TORNADO WINTER STORM HAZARDOUS MATERIALS INCIDENT
NONCRITICAL HAZARD - LOW RISK	SHORELINE EROSION EARTHQUAKE WILDFIRE
NEGLIGIBLE	DROUGHT EXTREME HEAT

### New for 2022!!

- Infectious Disease
- High Hazard Dams
- Climate Change Impacts
- Social Vulnerability Analysis for hazards
- Landslide/Coastal Erosion instead of Shoreline Erosion

# Flood Risk Assessment: Multiple Approaches

- Risk to structures and populations by 100-year flood event – HAZUS update underway
- Critical Facilities analysis
- Structure analysis
  - National Flood Insurance Program Claims & Coverage
  - Repetitive Flood Loss Analysis



# Project Timeline

Planning Process Stage	Estimated Completion Date	HMPC Meetings & Public Outreach
Project Kickoff	February 16, 2021	
Update the Hazard Identification & Analysis and include Public Input and Review	May 15, 2021	Public Meeting & April Survey
Activate HMTAC, Review Hazard Identification and Vulnerability Assessment	June 1, 2021	HMPC #1 Public Meeting Late May
Update the Capability Assessment	June 1, 2021	
Solicit Public Input on Mitigation Goals and the Mitigation Strategy	June 15, 2021	HMPC #2 – Full Day HMPC #3 – Full Day
Review and Update Regional and Local Mitigation Goals and the Mitigation Strategy	July 23, 2021	
Complete a Draft Plan	September 1, 2021	HMPC #4 – Short Review
Solicit Public Comment on the Draft Plan and incorporate responses into the Draft Plan	October 1, 2021	Public Meeting Late Sept
Review Draft Plan by Committee/issue to VDEM	September 30, 2021	
VDEM Review of Draft Plan/Revisions	November 12 – December 12, 2021	
FEMA Review of Draft Plan	January 1 - February 1, 2022	
Incorporate FEMA feedback into Final Plan	February 2022 – April 2022	
Plan Adoption and FEMA Approval	April 30, 2022	



# Questions for participants



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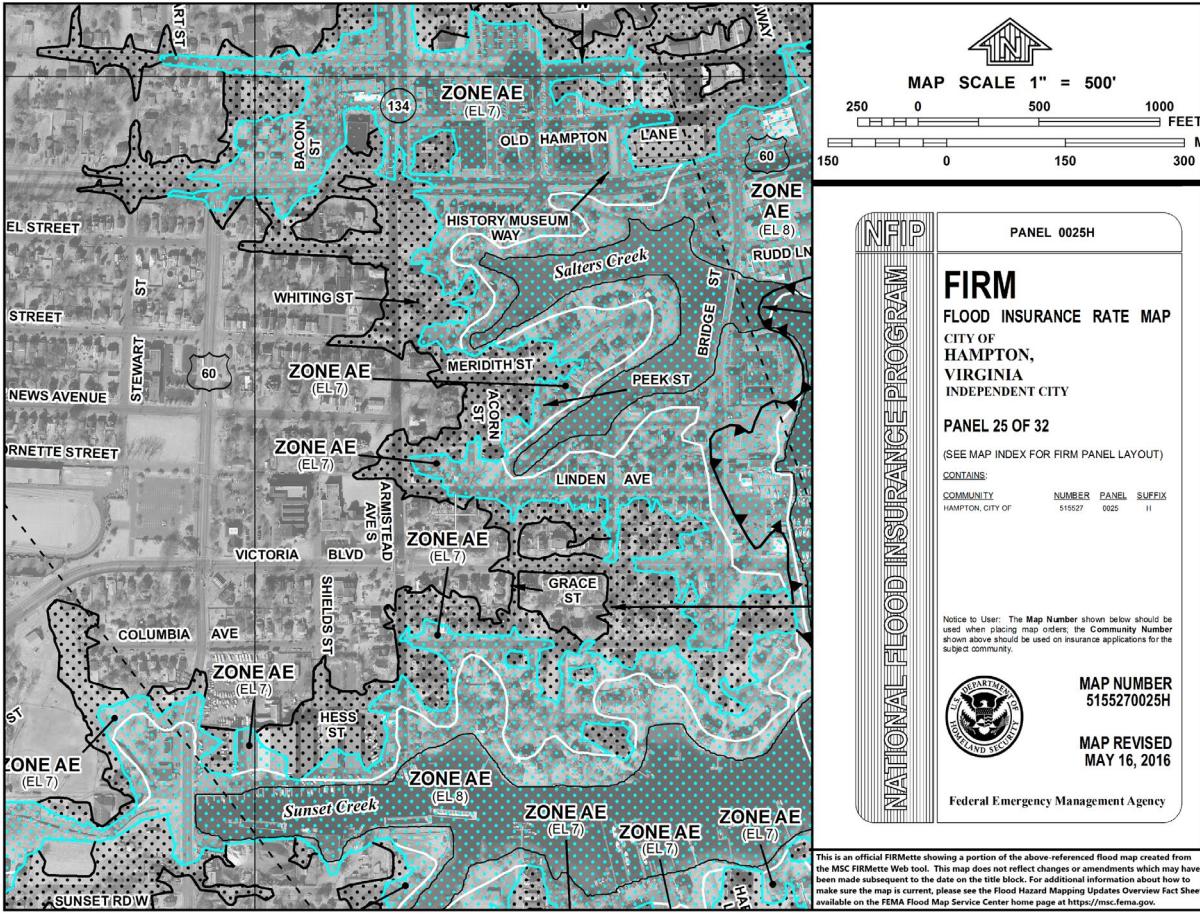
# DISCUSS – Poll #1

- Has your Virginia neighborhood ever been impacted by a natural disaster (besides COVID-19)?
- How concerned are you about impacts from disasters?
- What three natural hazards do you think pose the highest threats?
  - What local hazards keep you up at night, worrying about the safety of your home and loved ones?

## Hazard Category

- Flooding
- Tropical/Coastal Storm
- Sea Level Rise/Land Subsidence
- Tornado
- Winter Storm
- Hazardous Materials Incident
- Landslide/Coastal Erosion
- Earthquake
- Wildfire
- Drought
- Extreme Heat
- High Hazard Dams
- Infectious Disease/Pandemic

# DISCUSS – Poll #2



- Is your home in a floodplain and do you have flood insurance?
- Have you ever actively investigated the potential impacts of hazards on your home or neighborhood?
- Have you ever taken actions to make your home/neighborhood more resistant to hazards?
- Do you want more information on how to make your home or neighborhood more resistant to hazards?
  - What is best way for local government to get you that information?

# Community Mitigation Activity Categories



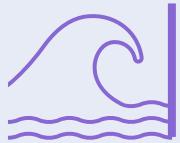
**Prevention:** Administrative or regulatory actions that influence the way land is developed and buildings are built – *e.g.*, zoning



**Property Protection:** Modifications to existing land or buildings to protect from hazard – *e.g.*, storm shutters



**Natural Resource Protection:** Actions to preserve or restore functions of a natural system – *e.g.*, slope stabilization



**Structural Projects:** Lessen impact of hazard by modifying the hazard itself – *e.g.*, dam or levee



**Emergency Services:** protect people and property during/after hazard event – *e.g.*, warning & evacuation planning



**Education & Awareness:** Inform citizens about hazards and protection techniques – *e.g.*, hazard maps



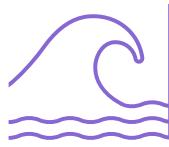
Prevention



Property Protection



Natural Resource Protection



Structural Projects



Emergency Services



Education & Awareness

## Discuss

**Which do you think are the most important and why?**

Take the public survey by  
scanning code below or  
going to  
<https://www.hrpdcva.gov/>  
for link.





# questions and comments

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