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

![Diagram showing situational assessment of how community will react to hazard event with input from population concentrations, development pressures, age-specific populations, and types of housing.]
**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?

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

Things change!
- Mitigation actions are completed
- Nature & magnitude of risks may change
- Community goals change
- Resources & capabilities change over time
- Implementation problems
# Natural Hazards Summary

## 2017 Plan’s List of Hazards

<table>
<thead>
<tr>
<th>Hazard Category</th>
<th>Hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CRITICAL HAZARD - HIGH RISK</strong></td>
<td>Flood, Tropical/Coastal Storm</td>
</tr>
<tr>
<td><strong>CRITICAL HAZARD - MODERATE RISK</strong></td>
<td>Sea Level Rise and Land Subsidence, Tornado, Winter Storm,</td>
</tr>
<tr>
<td></td>
<td>Hazardous Materials Incident</td>
</tr>
<tr>
<td><strong>NONCRITICAL HAZARD - LOW RISK</strong></td>
<td>Shoreline Erosion, Earthquake</td>
</tr>
<tr>
<td></td>
<td>Wildfire</td>
</tr>
<tr>
<td><strong>NEGLIGIBLE</strong></td>
<td>Drought, Extreme Heat</td>
</tr>
</tbody>
</table>

## 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

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

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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
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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