



West Piedmont Hazard Mitigation Plan 2021 Update

Pittsylvania County Local Planning Team Meeting #2

May 24, 2021 / Virtual



AGENDA

Risk Assessment Update

Mitigation Goals & Objectives

Choose Mitigation Strategies

Plan Maintenance Procedures

Next Steps

Danville, VA

Project Timeline



Risk Assessment Update

HIRA Progress

West Piedmont's Natural Hazards



Flooding



Winter Storm



Hurricane



Severe Weather



Wildfire



Drought



Tornado



Earthquake



Landslide

Flood: Hazus Analysis



- Hazus v4.2 has issues with running without a depth grid
- May need to run older version of Hazus since we do not have a depth grid for the West Piedmont Region
- Depth grids will be created by FEMA as a Flood Risk Products once map update is completed

Dam Inundation



- Inundation mapping for Beaver Creek Reservoir Dam (Martinsville) and Henry County's earthen dams
- Other inundation/breach layers available in GIS?
- Exposure analysis only

Pluvial Flood + Landslide: Help Us Collect Data

Public Input



Stakeholder &
Community
Champion
Engagement



Project Website
(WPPDC)



Online Survey



Virtual Workshops
/ Public Meetings
5 / 4 / 21



Neighboring
Jurisdictions
Engagement



Video



Story Map

Hazard Mitigation Plan





Mitigation Goals & Objectives

Purpose: Reduce societal, economic, and environmental exposure to hazard impacts

Goal 1 + Objectives

Reduce future damages, losses, and risks to the community by **protecting new and existing built infrastructure** (homes, businesses, utility infrastructure, critical facilities, and other property) from the effects of hazards.

Objective 1



Implement cost-effective, **physical hazard mitigation projects** at the regional and local level to reduce the exposure and vulnerability of people and property.

Goal 2 + Objectives

Ensure local ability to mitigate, prepare for, respond to, and recover from hazard impacts by **enhancing the capabilities and capacities of local governments** through regional partnership; the efficient use of new and existing technology; and the implementation of hazard mitigation policies, regulation and planning.

Objective 1



Integrate hazard mitigation principles into new and existing government **planning, policy, regulation** and **actions** to increase the resilience of public infrastructure and services and protect future development.

Objective 2



Utilize **mapping, drones, trainings, data**, and other **technological tools** to improve the capability and capacity of local governments before, during, and after a hazard occurrence.

Goal 3 + Objectives

Implement **education and outreach programs and campaigns** to increase public awareness of hazard risks; promote hazard mitigation's importance to health, safety, and welfare; and enhance public engagement.

Objective 1



Develop programs that help the **public carry out actionable activities** they can implement in the near- and long-term to mitigate and prepare for hazards.

Objective 2



Implement **education and awareness campaigns** through **social media and partnerships** with local media and businesses that educate the public on what risks hazards pose to them and how they (and their community) can increase resiliency better respond to those hazards.



Choose Mitigation Strategies

Mitigation Strategies Excel Sheet

West Piedmont Mitigation Strategies

2021

Strategy #	Goal / Objective	Jurisdictions Involved																		
		Strategy Description	Hazard(s) Addressed	Lead Agency	Potential Funding Sources	Timeline	WPPDC	Danville	Martinsville	Pittsylvania County	Hurt	Gretna	Chatham	Henry County	Ridgeway	Patrick County	Stuart	Franklin County	Boones Mill	Rocky Mount
6	1.1	Promote, educate and assist in implementation of nature-based resiliency practices. Eligible projects include but are not limited to: 1. Ecosystem restoration approaches such as ecological restoration or forest and wetland landscape restoration. 2. Issue-specific ecosystem related approaches such as ecosystem-based adaptation and mitigation, climate adaptation and ecosystem-based disaster risk reduction. 3. Infrastructure related approaches such as green and blue infrastructure. 4. Ecosystem protection approaches such as area-based conservation and protected area management.	All Hazards			Short-term	Y													
7	1.1	Identify all facilities housing higher-risk populations, like independent living and nursing institutions. Determine if facilities have natural hazard or emergency response plans.	All Hazards			Short-term	Y													
8	1.1	Apply for HMPG funding to install generator for new 911 center in Chatham.	All Hazards			Short-term			X											
9	1.1	Create a drought plan that identifies actions to mitigate threats to local crops and agriculture. This may include locating potential sources of water, water collection/harvesting, reducing water use, converting to efficient irrigation methods, soil water conservation practices, no-till, reduced-tillage systems, and crop insurance.	Drought			Long-term														
10	1.1	Complete BRIC, FMA or HMPG Program application for flood mitigation actions on roadways that, if obstructed, would prevent vulnerable populations from evacuating and/or reaching safety.	Flooding			Short-term														
		Conduct a regional study to assess stormwater and																		

Plan Maintenance Procedures

Plan Maintenance

- A mitigation strategy tracker will be created to help make them more actionable and accessible for each locality.
- A lead “agency” will be assigned to each strategy to help maintain accountability and forward motion
- Annual hazard mitigation progress report (summary of hazard events, mitigation actions, public involvement, upcoming funding)
- Incorporate the hazard mitigation plan into other local plans to create a mitigation initiative

Next Steps

- Public Outreach / Data Collection (Online Survey + Story Map) – **May/early June 2021**
- Draft HIRA section for review – **1st ½ June 2021**
- Draft mitigation strategies section for review – **June 2021**
- Initial draft of hazard mitigation plan – **July 2021**
- Stakeholder engagement – **June/July 2021**

Questions?

