

#### West Piedmont Hazard Mitigation Plan 2021 Update

Pittsylvania County Local Planning Team Meeting #2

Dewberry

May 24, 2021 / Virtual

# AGENDA

Risk Assessment Update

Mitigation Goals & Objectives

**Choose Mitigation Strategies** 

Plan Maintenance Procedures

**Next Steps** 



#### **Project Timeline**

We are here



Pre-Planning Kickoff Meeting

Workshop 2

LPT Meetings

Workshop 3

- Stakeholder lists
- Outreach website
- Capability assessment survey
- Data collection
- Mission statement
- Capability assessment
- Hazard ID & risk assessment (HIRA)
- Mitigation goals & objectives
- Public survey
- 1st public meeting

- Mitigation strategies
- Plan maintenance procedures
- Draft plan
- 2<sup>nd</sup> public meeting

# Risk Assessment Update

# **HIRA Progress**

#### **West Piedmont's Natural Hazards**



**Flooding** 



**Winter Storm** 



Hurricane



**Severe Weather** 



Wildfire



**Drought** 



**Tornado** 



Earthquake



Landslide

### Flood: Hazus Analysis



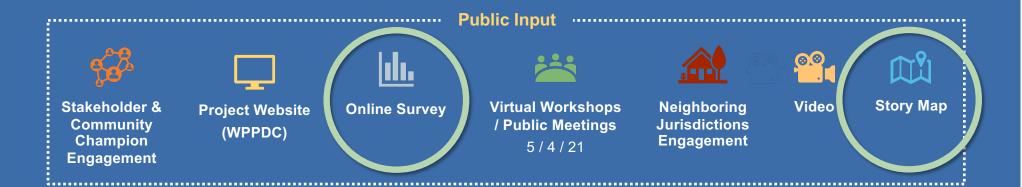
- Hazus v4.2 has issues with running without a depth grid
- May need to run older version of Hazus since we do not have a depth grid for the West Piedmont Region
- Depth grids will be created by FEMA as a Flood Risk Products once map update is completed

#### **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



#### **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** 

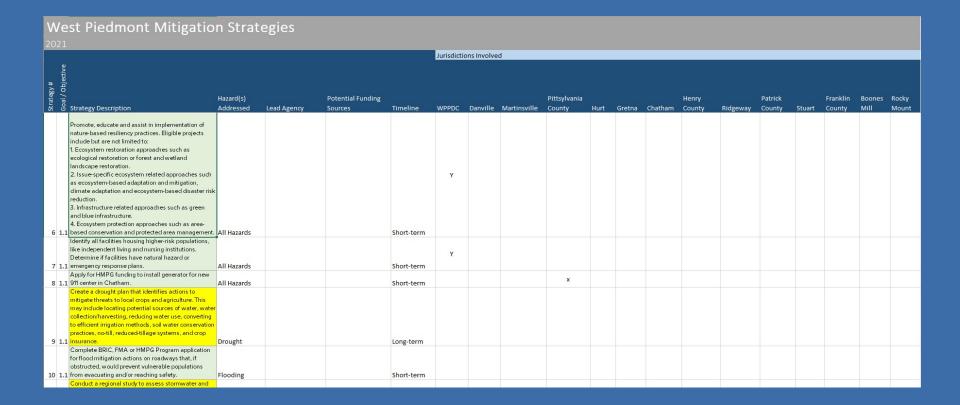


Implement education and awareness campaigns through social media and partnerships with local media and businesses that educate the public on what risks hazards pose to them and how they (and their community) can increase resiliency better respond to those hazards.



# **Choose Mitigation Strategies**

## Mitigation Strategies Excel Sheet



## 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?**

