


# Pike County Hazard Mitigation Plan (HMP) 2021 Update

Planning Team Kickoff Meeting | July 1, 2021


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## Agenda

- Attendance
  - Please use the chat feature to state your name and municipality
- Hazard Mitigation – what is it and what are the benefits
- Planning Process
- Review Schedule
- Introduce Worksheets
- Next Steps
- Questions



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# Hazard Mitigation – What is it?

Mitigation is a sustained action taken to reduce or eliminate long-term risk to life and property from a hazard event

-or-

Any action taken to reduce future disaster losses

“provides the blueprint for reducing the potential losses identified in the risk assessment, based on existing authorities, policies, programs and resources, and local ability...” (CFR).



# Does Mitigation Work??



- According to the January 2019 National Institute of Building Sciences Natural Hazard Mitigation Saves: 2018 Interim Report, federal mitigation grants save \$6 for every \$1 spent!

**More Mitigation Measures,  
More Savings**



**One dollar invested in mitigation =  
six dollars U.S. saves in future costs**





# Why Update?



- The mitigation plan update will:
  - Help the County prepare for and mitigate the effects of disasters
  - Continue to allow the county and participating partners to be eligible for pre- and post-disaster mitigation funding
  - Support CRS participation/rating of municipalities
- What is at risk in Pike County?

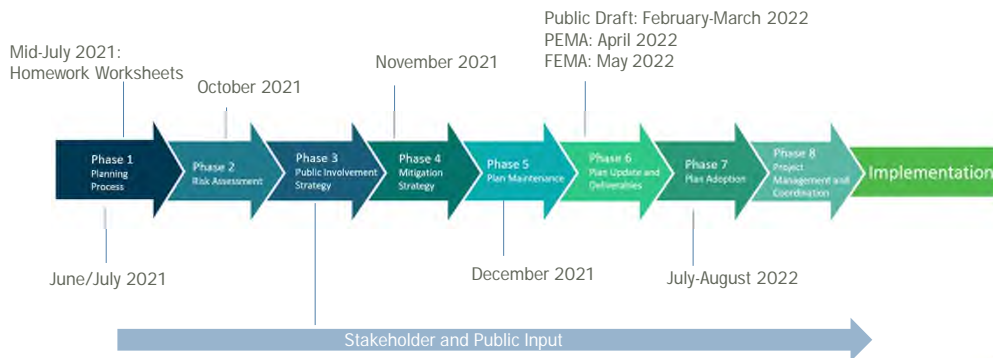
Hazard	Losses
Blizzard	\$400,000
Cold/Wind Chill	\$15,000
Drought	\$200,000 (crop)
Excessive Heat	-
Flood/Flash Flood	\$52.3 million
Hail	\$15,000
Heavy Rain	-
Hurricane/ Tropical Storm/ Tropical Depression	-
Lightning/ Thunderstorm	\$850,000
Tornado/Funnel Cloud	\$1.7 million
Wind	\$1.3 million
Winter Weather	\$617,000
Wildfire	-
<b>TOTAL</b>	<b>\$57.3 million</b>

# Planning Team Members





# Planning Process Overview



# Project Scope

- Update the Risk Assessment
- Update the Capabilities Assessment
- Update the Mitigation Strategy
- Update Other Sections of the HMP
- Submit the HMP for Review
- Adopt the HMP
- Implement the HMP



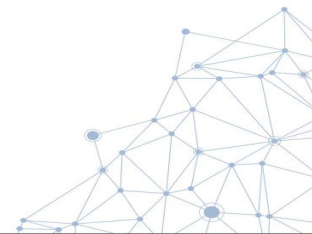


## Update the Risk Assessment

### • Hazards of Concern

- Drought
- Disease Outbreak/Pandemic
- Drowning
- Earthquake
- Environmental Hazards (Hazardous Materials Release, Oil and Gas Wells, Pyrite)
- Extreme Temperature (heat and cold)
- Flood (riverine, flash, stormwater, and ice jam)
- Hurricane, Tropical Storm, Nor'easter
- Invasive Species and Harmful Algal Bloom
- Geologic Hazards (landslides, subsidence/sinkholes)
- Nuclear Incidents
- Radon Exposure
- Terrorism
- Severe Weather (thunderstorms, lightning, hail, wind)
- Severe Winter Weather (heavy snow, blizzards, ice storm)
- Transportation Accidents
- Urban Fire and Explosions
- Utility Interruptions
- Wildfire

### • Risk Assessment Review Meeting



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## Update the Capabilities Assessment

### • Capabilities

- Planning and Regulatory Capability
- Administrative and Technical Capability
- Financial Capability
- Education and Outreach
- Self-Assessment of Capability



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# Update the Mitigation Strategy

- Review the goals and objectives
- Determine status of mitigation actions
- Identify new mitigation actions/projects
  - Focus on specific, implementable and achievable actions!
- Conduct Mitigation Strategy Workshop

Goal #	2021 HMP Goal Statement
1	Provide for properly managed and environmentally sound growth and disaster-resistant development.
2	Reduce the potential impact of natural and human made hazards on property.
3	Enhance and improve emergency services provided to the growing population of Pike County.
4	<i>Protect lives, property, environmental quality, and resources of Pike County from natural and human-made hazards.</i>
5	Conserve, protect, restore and enhance existing natural systems and water resources that serve a natural hazard mitigation function.
6	Increase awareness, understanding, and preparedness across all sectors by encouraging hazard risk, preparedness, and mitigation related education, training and outreach activities.
7	<i>Address Long-Term Vulnerabilities from High Hazard Dams</i>



# Update Other Sections of the HMP



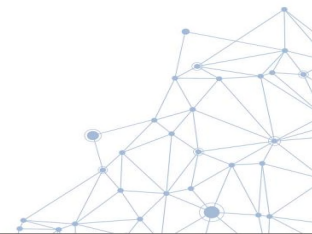
- County Profile
  - Taking the previous profile from the last plan and updating it accordingly
- Planning Process
  - Documentation of the update process
- Plan Maintenance
  - Incorporation into other plans as well as identifying way to incorporate other plans into the updated HMP
  - Identify a game plan for annually reviewing and updating the HMP





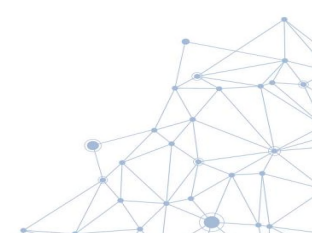
## Submit the HMP for Review

- Review Draft with Planning Team
- 30-day Public Comment Period
- Conduct Public Meeting to Review the Draft
- Submit for Pennsylvania Emergency Management Agency (PEMA) Review
  - 14 to 28 days
- Submit for Federal Emergency Management Agency (FEMA) Review
  - 45 days
- “Approvable Pending Adoption” Status



## Adopt the HMP

- Pike County and at least one participating municipality need to adopt the HMP
- Once FEMA approves the plan, adoption can begin
- Adoption deadline – August 2022

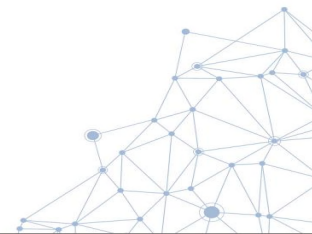






## Implement the HMP

- Regular Planning Team meetings
- Stakeholder meetings
- Implement mitigation actions and projects
  - Integrate actions where appropriate



## Review Schedule

- Capabilities Assessment
  - July – September 2021
- Risk Assessment
  - September – October 2021
- Mitigation Strategy
  - November 2021 – January 2022
- Draft Plan by the end of March 2022
- Submit to PEMA by the end of April 2022
- Submit to FEMA by May 2022
- “Approvable Pending Adoption” by August 2022









# Hazard Identification and Risk Evaluation

Identified hazard (and area)	Severity (1-5) (Consider: 1-2=Minor, 3=Major, 4-5=Critical)	Additional comments
Identified hazard	5	Identified hazard for safety and security
Control Measures	1	Implementing the PPE at all times and ensuring that all workers are trained on safety
Residual	5	Identified hazard for safety and security

**Notes:**  
 This is a preliminary hazard and risk assessment. It is not a final assessment. It is intended to provide a general overview of the hazards and risks associated with the project.

**Control Measures:**

- 1. Implementing the PPE at all times and ensuring that all workers are trained on safety
- 2. Ensuring that all workers are trained on safety
- 3. Ensuring that all workers are trained on safety
- 4. Ensuring that all workers are trained on safety
- 5. Ensuring that all workers are trained on safety

**Residual:**  
 Identified hazard for safety and security



# Capability Assessment Survey

1. This survey is designed to assess the capabilities of the project team in various areas. The survey is divided into several sections, each focusing on a different aspect of the project. The survey is intended to provide a general overview of the capabilities of the project team and to identify areas for improvement.

Section	Question	Response	Comments
Project Management	1.1. Project Management		
	1.2. Project Management		
	1.3. Project Management		
	1.4. Project Management		
Technical Skills	2.1. Technical Skills		
	2.2. Technical Skills		
	2.3. Technical Skills		
	2.4. Technical Skills		
Communication	3.1. Communication		
	3.2. Communication		
	3.3. Communication		
	3.4. Communication		
Teamwork	4.1. Teamwork		
	4.2. Teamwork		
	4.3. Teamwork		
	4.4. Teamwork		

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	3.2. Communication		
	3.3. Communication		
	3.4. Communication		
Teamwork	4.1. Teamwork		
	4.2. Teamwork		
	4.3. Teamwork		
	4.4. Teamwork		





# NFIP Checklist

Item	Assessment Status	Score	Comments
1. Has the National Flood Insurance Program (NFIP) been implemented in the community? (NFIP is a federal program that provides flood insurance to property owners in participating communities. Communities that participate in the NFIP are required to meet certain standards for flood risk reduction.)	Partially Implemented (in the requirements for risk reduction goals)	75%	The community is not currently participating in the NFIP and is not currently implementing the requirements for risk reduction.
2. Has the community implemented a flood risk reduction program? (A flood risk reduction program is a plan that identifies and prioritizes flood risk reduction projects and activities that will reduce the community's vulnerability to flooding.)	Not Implemented (Required)	75%	The community has not implemented a flood risk reduction program.
3. Are there any flood risk reduction projects currently underway? (Flood risk reduction projects are activities that will reduce the community's vulnerability to flooding.)	Not Implemented		
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5. Has the community implemented a flood risk reduction program? (A flood risk reduction program is a plan that identifies and prioritizes flood risk reduction projects and activities that will reduce the community's vulnerability to flooding.)	Not Implemented		
6. Has the community implemented a flood risk reduction program? (A flood risk reduction program is a plan that identifies and prioritizes flood risk reduction projects and activities that will reduce the community's vulnerability to flooding.)	Not Implemented		

# Mitigation Strategy 5-Year Mitigation Plan Review



## Mitigation Strategy 5-Year Mitigation Plan Review

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# Mitigation Strategy 5-Year Mitigation Plan Review



Information about the project and the plan is available on the project website. The project website is located at <https://www.pikecountypahmp.com/>

Mitigation Strategy	Status					Notes
	Approved	Under Review	Not Started	Completed	Cancelled	
...						...
...						...
...						...

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# Public and Stakeholder Outreach



- HMP Project Website
  - We developed a website just for the HMP - <https://www.pikecountypahmp.com/>
- Social Media
- Stakeholder Survey
- Public Survey
- Stakeholder Outreach –
  - Neighboring Counties and Stakeholders were notified of the planning process

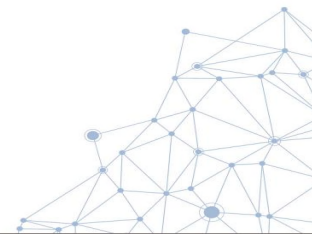


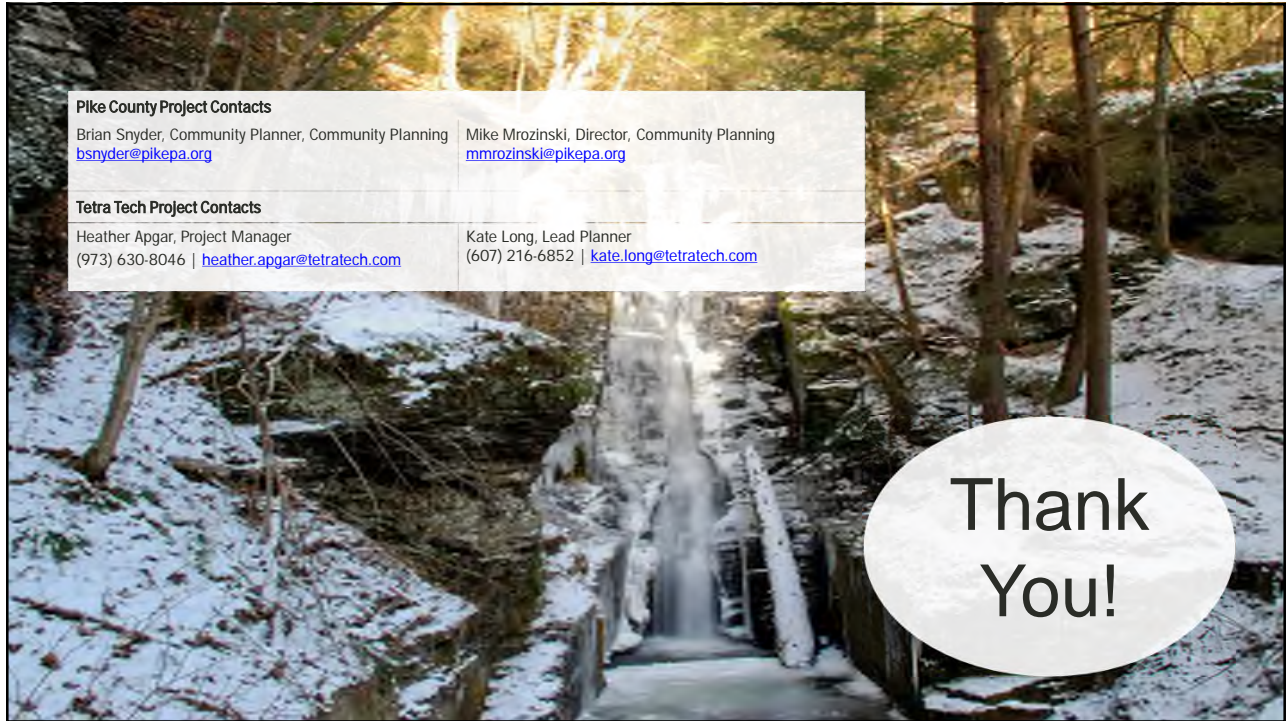
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## Next Steps

- Document Request
- Complete Municipal Worksheets
  - Due back to the County and/or Tetra Tech by [July 30, 2021](#)
- Update the Risk Assessment
- Risk Assessment Meeting: [October 2021](#)
- Mitigation Strategy Workshop: [November 2021](#)





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