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|-------------|------------|----------|---------|------------------|---------------------|----------------------------|--|---|
| Date | Start Time | End Time | # hours | Task Description | Hourly Rate S | Total # hours x rate | Comments describe sask in more detail. | |
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- Planning Process
 - Ongoing
- Update Risk Assessment
 - Discuss risk assessment with municipalities TODAY!
- Public and Stakeholder Outreach
 - Ongoing
- Capability Assessment
 - Ongoing
- Mitigation Strategy
 - Continue working with municipalities
 - Mitigation Strategy Workshop TODAY!
 - Mitigation Actions due by May 10th
 - Additional support webinar week of May 1st

- Plan Maintenance
 - Utilizing the BATool to review/update actions from 2023 HMP
 - Finalize plan maintenance procedures April 25th
- Develop Plan
 - Draft Plan to Core Planning Team by May 17th
 - Draft Plan Presentation May 22nd
 - Public Review Period May 24th June 24th
 - Draft to Ohio EMA June/July 2023
 - Draft to FEMA July/August 2023
 - Adoption September/October 2023



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Participation Status

- Annex updates are in progress
- Next round of worksheets (online forms) will go out after today's meeting
 - Feedback on hazard ranking due May 10th
 - Mitigation actions due May 10th



- Franklin County Bexley (C)
 Blendon (Twp)
- Brice (V)
- Canal Winchester • Clinton (Twp)
- Columbus (C) • Dublin (C)
- Franklin (Twp) Gahanna (C) • Grandview Heights
- Grove City (C)
- Groveport (C)Hamilton (Twp) Harrisburg (V) Hilliard (C)
- · Jefferson (Twp)
- · Lockbourne (V) · Madison (Twp) Marble Cliff (V)

- Minerva Park (V)
 New Albany (C)
- Obetz (C) · Perry (Twp)
- Plain (Twp) • Pleasant (Twp) • Prairie (Twp)
- Reynoldsburg (C) Sharon (Twp) • Truro (Twp)
- Upper Arlington (C)
- Valleyview (V) Washington (Twp)Westerville (C)
- Whitehall (C) Worthington (C) • The Ohio State
- University

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Public and Stakeholder Outreach



- Public Outreach Toolkit
 - Social media templates and posts
 - Printable materials
- Surveys
 - Stakeholders
 - Neighboring communities
 - Public
- HMP website https://www.franklincountyohhmp.com/
- · Planning Team meetings open to the public and stakeholders
- Thank you for helping with this!





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Risk Assessment

How are the rankings calculated? What is the preliminary ranking?



Hazards of Concern (2023 HMP)



- Dam/Levee Failure
- Disease Outbreak
- Drought
- Earthquake
- Extreme Temperature (heat/cold)
- Flooding (inland, flash, urban/stormwater, ice jam)

- Geologic Hazards (sinkholes, erosion)
- Invasive Species
- Severe Summer Weather
- Severe Winter Weather
- Tornadoes



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What is Risk?

✓ Hazard

 Something that has the potential to cause damage, injuries, and losses

✓ Exposure

• People, property and infrastructure vulnerable to the hazard

✓ Risk

 Probability and severity of damages to people, property, and infrastructure









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Purpose of the Risk Assessment To get a better understanding of the risks you face Initial results based on available data Quantitative data (population/structures exposed, structural damages within hazard zones) used when available Qualitative community input (such as unmapped flood areas) integrated to adjust results

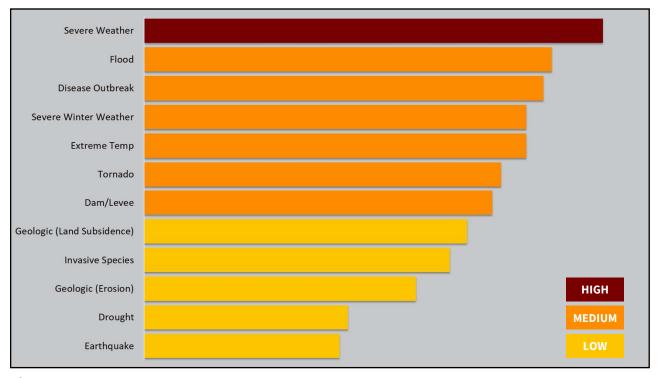
Local community input to adjust relative

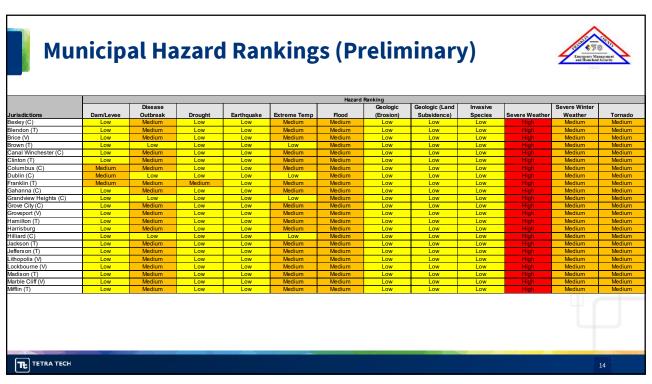
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rankings

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What We Looked At Hazard Population Property Dam/Levee Failure **Entire Population Entire Building Stock** Entire Replacement Costs for all Buildings Vulnerable populations (65+, >5, Disabled, Disease Outbreak Entire Building Stock Entire Replacement Costs for all Buildings Vulnerable populations (Poverty) **Entire Building Stock** Drought Entire Replacement Costs for all Buildings Buildings exposed to 250- and 1,000-Damage to buildings exposed to 250- and 1,000-MRP Population exposed to 250- and 1,000-MRP Earthquake Vulnerable populations (65+, >5, Disabled, Extreme Temperature **Entire Building Stock** Entire Replacement Costs for all Buildings Flood Population located in 1% SFHA Buildings located in 1% SFHA Replacement costs of buildings in 1% SFHA Buildings located in areas of K-factor soils ≥0.49 Population located in areas of K-factor soils Replacement costs of buildings in areas of Geologic (erosion) K-factor soils ≥0.49 Replacement costs of buildings located in Geologic (land subsidence Population located in areas of karst rocks Buildings located in areas of karst rocks areas of karst rocks **Invasive Species Entire Population Entire Building Stock** Entire Replacement Costs for all Buildings Entire Building Stock Entire Replacement Costs for all Buildings Severe Weather **Entire Population** Vulnerable populations (65+, >5, Disabled, Severe Winter Weather **Entire Building Stock** Entire Replacement Costs for all Buildings Tornado **Entire Population** Entire Building Stock Entire Replacement Costs for all Buildings TE TETRA TECH





Municipal Hazard Rankings (Preliminary) | Introductions | Interest | Interes

Review Preclamatory Ranks and the proposal propo

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Review Preliminary Rankings Agree with draft **Draft 2023** hazard ranking What changes in mitigation or other Ranking Based on (Y/N)? If No, indicate conditions have resulted in the change in Hazard **RA Results** preferred ranking. hazard ranking since 2018? Dam/Levee Low Yes Disease Outbreak Medium Yes Drought Low Yes Earthquake Low Yes Extreme Temp Medium Yes Stormwater flooding causes significant damage; flood Flood Medium No - High should be ranked as high Geologic (Erosion) Yes Low Geologic (Land Subsidence) Low Yes **Invasive Species** Low Severe Weather High Yes Severe Winter Weather Medium Yes The City has never experienced a tornado; tornado should No - Low Tornado Medium TE TETRA TECH

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Review Preliminary Adaptive Capacity Preliminary What should we indicate for your community's adaptive Ranking capacity for each hazard? Hazard Dam/Levee Moderate Disease Outbreak Moderate Weak – many residents rely on surface water and we do not have backup Drought Moderate water sources in the event of a severe drought Earthquake Moderate Extreme Temp Moderate Flood Moderate Geologic (Erosion) Moderate Geologic (Land Subsidence) Moderate **Invasive Species** Moderate Severe Weather Strong Strong - the City experiences winter weather every year and we have Severe Winter Weather Moderate programs and resources to decrease our vulnerability Tornado Moderate TETRA TECH



Mitigation Strategy

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Using Your Mitigation Strategy to Reduce Risk



- What is a Mitigation Strategy?
 - A group of projects or actions to reduce the impacts of the hazards of concern on your community
 - Plans and Regulations
 - Structure and Infrastructure Studies and Projects
 - Natural Systems Protection Studies and Projects
 - Education and Awareness Programs
- Terms to describe the Mitigation Strategy include:
 - Mitigation Action Plan or Action Plan
 - Mitigation Projects or Initiatives or Actions

Your Mitigation Strategy table is included in your annex. We will use online forms to collect details on the actions you will include in the 2023 Update.

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Where do you need to focus?



- Stronger connection between the risk assessment and mitigation strategy
- More specific, achievable actions
 - Specific projects, in specific locations, in a specific timeframe
 - Focus on socially vulnerable populations and underserved communities
- Diverse actions
 - You need at least **one action per hazard of concern**. Think about actions that can cover multiple hazards.
 - Include a variety of action types (e.g., plans, floodproof critical facilities, outreach programs, etc.)



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Other Mitigation Actions to Consider





- Local Disaster Debris Management Plans
- Substantial Damage Management Plan
- Actions to address high-hazard or significant-hazard dams
- Public education and outreach programs
- Generators at critical facilities and community lifelines
- Floodproofing critical facilities and community lifelines
- Addressing repetitive and severe repetitive loss properties

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Mitigation Strategy Online Form



- We will be collecting input on mitigation actions through on online form
- Complete one form per action (https://forms.office.com/r/CJJLQXEvUY)
- We will be providing additional information to help with the actions
- Any questions, reach out!
- All forms are <u>due May 10th</u>

| Please use this form to develop your mitigation strategy. One form is needed for each strategy/action and FEMA requires one action per hazari of concern. However, one action can address multiple hazards. If you need assistance, piesse reach out to Healther Appar (Beatletch.com). | | | | |
|---|--|--|--|--|
| | | | | |
| * Required | | | | |
| Contact Information | | | | |
| Complete this section with your contact information. | | | | |
| 1. Name * | | | | |
| Enter your answer | | | | |
| | | | | |
| 2. Title * | | | | |
| Enter your answer | | | | |

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Example



| Problem Type | Location | Problem | Solution | |
|---|--|--|--|--|
| Lack of Backup Power at a Critical Facility | Obetz Police Department | The police department does not have backup generator. | Determine the proper size generator and fuel source; purchase and install generator at the Obetz Police Department . This will provide continuity of operations during power outages. | |
| Flooding Heavy Rain Floods Basement/First Floor | Gahanna – west side of Big Walnut Creek | In periods of heavy rain sewer systems on the West Side of Gahanna have the potential to cause sewer backups in residential basements. | Complete a feasibility study of the sewer system in Gahanna to understand causes of flooding and identify ways to address flood risk. Once the study is completed, the City will determine which projects to complete first to reduce or eliminate flooding. | |
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