

5.0 APPENDICES

APPENDIX 1: PLANNING PROCESS INVOLVEMENT

This appendix documents the process initiated by the Clermont County Emergency Management Agency for the 2025 mitigation plan update. It includes copies of meeting minutes and relevant correspondence.

MEETING 1

CLERMONT COUNTY HAZARD MITIGATION PLAN 2025 UPDATE
PLANNING MEETING #1
AGENDA

Date: March 5, 2025
Time: 1:30 p.m.
Location: Clermont County Emergency Management Agency
2279 Clermont Center Drive, Batavia, OH 45103
Duration: 90 minutes

-
1. Welcome & Introductions
 2. Mitigation Planning Overview
 3. Description of the Planning Area
 - Identification of problem areas
 - Development Trends
 4. Update Plan Goals & Objectives
 5. Hazards Review (at right)
 6. Homework: Asset Inventory
 7. Q & A
 8. Adjournment

HAZARDS FROM PREVIOUS PLAN

- Dam Failure
- Drought
- Earthquake
- Extreme Temperatures
- Flooding
- Hazardous Materials
- Invasive Species
- Landslide
- Severe Storms
- Terrorism
- Tornadoes
- Utility/Power Failure
- Wildfire
- Winter Storm

CLERMONT COUNTY HAZARD MITIGATION PLAN 2025 UPDATE

STAKEHOLDER MEETING #1

MINUTES

Date: March 5, 2025
Time: 1:30 p.m.
Duration: Approximately 90 minutes
Location: Clermont County Emergency Management Agency
2279 Clermont Center Drive, Batavia, OH 45103
Attendees: 45 representing 30 agencies/organizations
(13 local, 11 county, 3 state/federal, and 3 other).

On March 5, 2025, the Clermont County Emergency Management Agency (CCEMA) convened a group of stakeholders to begin the formal update to the county's hazard mitigation plan, which was last adopted in 2020. The meeting was held at the CCEMA's office in Batavia, and it began promptly at 1:30 p.m. (lasting approximately 90 minutes).

Following a welcome message from CCEMA Director Pam Haverkos, the county's consultant (Doug Britvec with JH Consulting, LLC) provided an overview of the hazard mitigation planning process, including the role of stakeholders as well as OEMA and FEMA requirements. Doug also discussed the development and use of a public survey to bolster public input throughout the planning process. During the overview, stakeholders discussed the plan scope as well as participating jurisdictions.

The discussion about the hazards to include in this update was thorough. Stakeholders discussed the number of occurrences of each hazard, and whether the frequency and severity of each hazard has increased or decreased over the past five years, as well as certain areas of the county where the hazards are more prevalent. Generally, stakeholders elected to keep the hazards that appeared in the previous version and added two new hazards bringing the total hazards included in this plan update to 16 (see below).

Existing Hazards – Included in 2025 Plan Update

- Dam and levee failure
- Earthquake
- Flooding
- Invasive species
- Severe summer weather
- Terrorism
- Utility Failure (Dry Day)
- Drought
- Extreme temperatures
- Hazardous materials incident
- Landslide
- Severe winter weather
- Tornado
- Wildfire

New Hazards – Included in 2025 Plan Update

- Cyber Incident
- Public Health Emergencies

Director Haverkos mentioned that the Board of County Commissioners will be the first jurisdiction to adopt the plan once it is Approved Pending Adoption (APA), and that there are three enhanced townships referred to as “Home Rule Townships” within the county that will need to adopt the plan (i.e., Batavia, Miami, and Union) as well as all cities and villages.

Stakeholders indicated that the county experienced a moderate to significant drought within the past year. It was stressed that the county has a significant agricultural sector which increases the impacts from drought conditions. During discussions regarding the hazard of earthquake, stakeholders indicated that the only damages they were aware of resulted from earthquakes in the 1800s, (i.e., minor cracking to exterior and interior walls of residential homes). There was a discussion whether to include extreme heat in the severe summer storms profile and extreme cold in the severe winter storms profile. It was decided to leave them in the existing extreme temperatures profile as instance of both have occurred irrespective of summer or winter weather. Stakeholders discussed common areas and roadways that typically flood following heavy rains. It was mentioned that there are areas of the county where existing stormwater systems are inadequate especially with more intense rainfall events.

Several stakeholders indicated that tornados have become more frequent and more intense over the past 10 years, and there has been an increase in enhanced fire danger events. Director Haverkos mentioned that several residents have been selected by the State to get tornado shelters. Stakeholders noted that cyber incidents are quickly becoming priority concerns amongst local government entities, businesses, medical facilities, schools, etc. These entities work on plans and other protective measures regularly. As a result, attacks are more and more sophisticated. Stakeholders agreed and asked the consultant to add cyber incidents as a hazard to be considered in this plan update. Planning stakeholders indicated that a large portion of the county’s Tier II facilities (i.e., those that store larger quantities of hazardous materials) are

located in South Afton and Williamsburg Township, and that most hazardous materials release occur during transit.

Following a discussion regarding the “Utility Failure” hazard it was determined that the focus should be utility failures that are not the result of a cascading effect of other hazards but are “dry day” failures that occur due to aging infrastructure and overloading issues. Stakeholders indicated that the Villages of Batavia, Bethel, and Williamsburg often experiences dry day power failures.

Planning stakeholders made the decision to add public health emergencies as a new hazard in this plan update to address rising cases of Norovirus, RSV, flu, and to address concerns and gaps identified during the recent COVID-19 pandemic. This hazard profile will also discuss issues pertaining to the opioid crisis.

Doug introduced ideas for an outreach plan to obtain public participation before adjourning the meeting. The public must have the opportunity to participate, both during plan development and when a draft is available. Doug suggested using an electronic public survey (using a link and QR Code) as well as hardcopy surveys to gather input as the plan is developed. Drawing on updated FEMA guidelines, Doug explained that stakeholders will need to identify “under-represented populations” in the county and devise an outreach strategy for them. Doug also explained that dam regulators and owners will need to have the opportunity to participate.

Stakeholders also discussed other plans (i.e., zoning ordinances, floodplain regulations, comprehensive plans, etc.) that jurisdictions may have that can be integrated into the mitigation plans update.

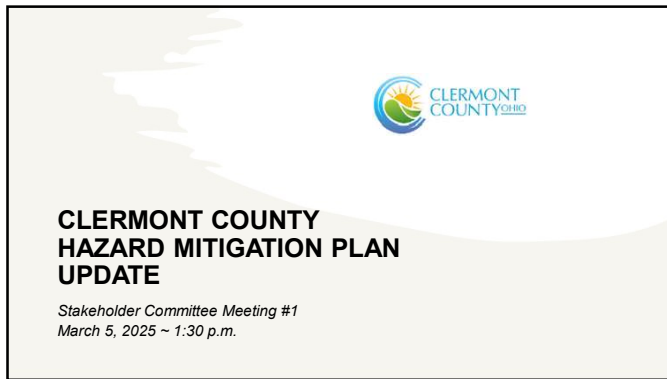
Planning stakeholders also reviewed the goals contained in the existing mitigation plan. A decision was made to combine existing goals 1, 2, and 3 into a single new goal and to remove existing goals 9 through 12 as those goals would be better used as mitigation projects.

For reference, the following list outlines the primary topics for upcoming mitigation plan stakeholder meetings.

- **Meeting 2:** Assign status updates to existing mitigation projects (i.e., completed, on-going, deferred, and deleted), and the use of a jurisdictional capabilities survey
- **Meeting 3:** Discuss areas where economic development has occurred over the past five years, or where it is targeted, and develop new mitigation projects and discuss hazard rankings
- **Meeting 4:** Discuss the plan maintenance process, review drafts compiled to date

Attachments

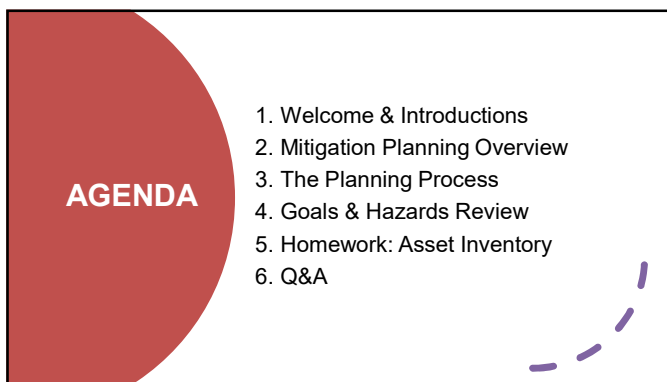
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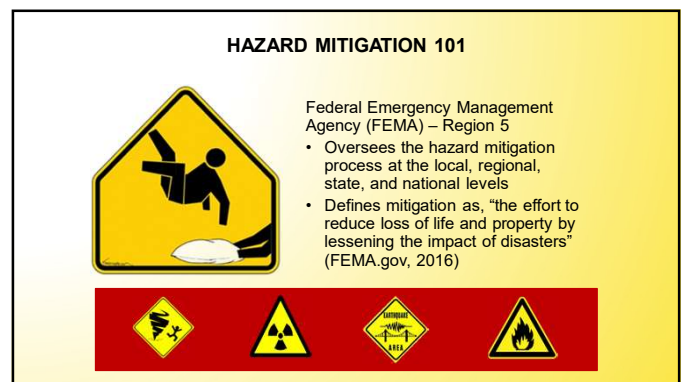
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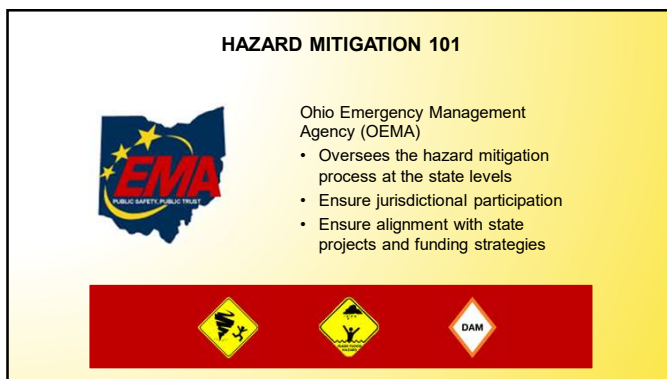
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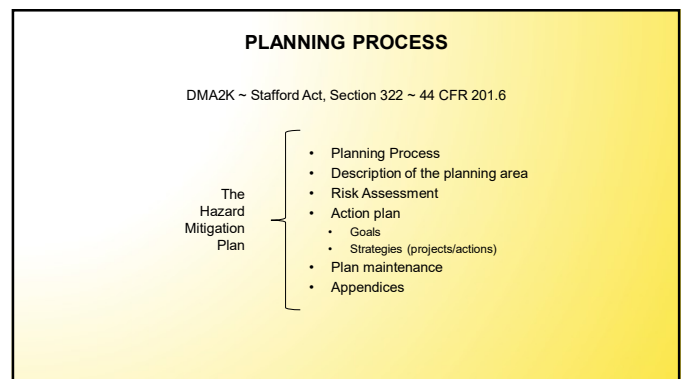
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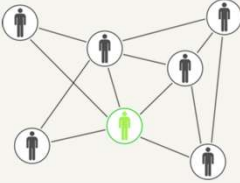
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HAZARD MITIGATION 101

Planning Stakeholders Responsibilities



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HAZARDS REVIEW

Natural Hazards • Drought • Earthquake • Extreme Temperatures • Flood • Invasive Species • Landslide • Severe Storms • Tornado • Wildfire • Winter Storm	Technological Hazards • Dam & Levee Failure • Hazmat Release • Utility / Power Failure
Human-Caused Hazards • Terrorism	

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GOALS REVIEW

1. Reduce loss of life and injury from hazard events.
2. Reduce environmental damage from hazard events and protect natural resources.
3. Minimize damage to personal and public property.
4. Provide public awareness of potential hazards and mitigation efforts.
5. Update critical facility locations and identify new critical facilities to prevent disruption during and after an event.
6. Identify areas of greatest impact from hazards (e.g., high-water marks, repetitive loss, etc.).

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GOALS REVIEW

7. Coordinate mitigation efforts through communication and collaboration between jurisdictions and all departments.
8. Increase awareness of jurisdictional leaders on how to recuperate costs pre-and-post disaster.
9. Develop and implement plans and programs to identify and reduce a hazard's risk (e.g., Emergency Action Plans, Power Restoration Plans, Post-Hazard Evaluation and Action Plans, etc.).
10. Complete a hazardous materials commodity flow study which includes roads, air, and water transportation.
11. Provide public awareness on the National Flood Insurance Program (NFIP), grant programs, and safe rooms.
12. Promote communication and collaboration to all communities to assist in accurate data collection.

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HOMEWORK: ASSET INVENTORY

- Inventory and Summarize Vulnerable "Assets"
 - Building stock inventory (mapped)
 - Manufactured housing units (mobile homes)
 - Critical facilities
 - Transportation systems (airways, highways, railways, waterways)
 - Lifeline utility systems
 - Communication systems and networks
 - High potential loss facilities (power plants, dams)
 - Hazardous material facilities
 - Economic elements
 - Special consideration areas
 - Natural resource areas
 - Historic and cultural resources (National Register listed, etc.)

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CLERMONT COUNTY HAZARD MITIGATION PLAN MEETING 1



MEETING 2

1. Summary

Meeting title	Hazard Mitigation Plan - Mitigation Action Status (2020 Plan)
Attended participants	12
Start time	5/21/25, 12:45:39 PM
End time	5/21/25, 3:01:39 PM
Meeting duration	2h 16m
Average attendance time	1h 49m 6s

2. Participants

Name	First Join	Last Leave	In-Meeting Duration
Doug Britvec	5/21/25, 12:50:11 PM	5/21/25, 3:01:38 PM	2h 11m 27s
Haverkos, Pam	5/21/25, 12:45:42 PM	5/21/25, 3:01:37 PM	2h 15m 55s
Benedict, Anne	5/21/25, 12:47:00 PM	5/21/25, 3:01:37 PM	2h 7m 1s
Schlueter, Laurie	5/21/25, 12:54:35 PM	5/21/25, 3:01:35 PM	2h 7m
Kelly, Tim	5/21/25, 12:58:23 PM	5/21/25, 2:28:07 PM	1h 29m 43s
McManus, John	5/21/25, 12:59:28 PM	5/21/25, 2:43:44 PM	1h 41m 45s
Neyer, Tim R.	5/21/25, 1:00:11 PM	5/21/25, 3:01:36 PM	2h 1m 24s
Lubbers, Hannah	5/21/25, 1:00:30 PM	5/21/25, 2:28:17 PM	1h 27m 46s
Wilson, Heath	5/21/25, 1:02:18 PM	5/21/25, 2:13:38 PM	1h 11m 19s
Chief Craig Wright	5/21/25, 1:06:34 PM	5/21/25, 3:01:39 PM	1h 55m 5s
Harding, Christopher	5/21/25, 1:01:20 PM	5/21/25, 2:20:27 PM	1h 19m 7s
Royalty, Kelly	5/21/25, 12:59:58 PM	5/21/25, 3:01:33 PM	2h 1m 35s

3. In-Meeting Activities

Name	Join Time	Leave Time	Duration
Haverkos, Pam	5/21/25, 12:45:42 PM	5/21/25, 3:01:37 PM	2h 15m 55s
Benedict, Anne	5/21/25, 12:47:00 PM	5/21/25, 12:48:00 PM	59s
Benedict, Anne	5/21/25, 12:55:34 PM	5/21/25, 3:01:37 PM	2h 6m 2s
Doug Britvec	5/21/25, 12:50:11 PM	5/21/25, 3:01:38 PM	2h 11m 27s
Schlueter, Laurie	5/21/25, 12:54:35 PM	5/21/25, 3:01:35 PM	2h 7m
Kelly, Tim	5/21/25, 12:58:23 PM	5/21/25, 2:28:07 PM	1h 29m 43s
McManus, John	5/21/25, 12:59:28 PM	5/21/25, 2:06:06 PM	1h 6m 37s
McManus, John	5/21/25, 2:08:35 PM	5/21/25, 2:43:44 PM	35m 8s
Royalty, Kelly	5/21/25, 12:59:58 PM	5/21/25, 3:01:33 PM	2h 1m 35s
Neyer, Tim R.	5/21/25, 1:00:11 PM	5/21/25, 3:01:36 PM	2h 1m 24s
Lubbers, Hannah	5/21/25, 1:00:30 PM	5/21/25, 2:28:17 PM	1h 27m 46s
Harding, Christopher	5/21/25, 1:01:20 PM	5/21/25, 2:20:27 PM	1h 19m 7s
Wilson, Heath	5/21/25, 1:02:18 PM	5/21/25, 2:13:38 PM	1h 11m 19s
Chief Craig Wright	5/21/25, 1:06:34 PM	5/21/25, 3:01:39 PM	1h 55m 5s

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[illegible]

Role

Contractor

County

County

County

County

County

County

County

County

Jurisdiction

Other

S&F

MEETING 3

CLERMONT COUNTY HAZARD MITIGATION PLAN 2025 UPDATE

STAKEHOLDER MEETING #3 – NEW MITIGATION PROJECTS

MINUTES

Date: June 26, 2025
Time: 2:00 p.m.
Duration: Approximately 150 minutes
Location: Clermont County Emergency Management Agency
2279 Clermont Center Drive, Batavia, OH 45103
Virtual via MS Teams
Attendees: 37 representatives (12 municipal, 15 county, 3 state/federal, 7 other participants)

On June 26, 2025, the Clermont County Emergency Management Agency (CCEMA) convened a group of stakeholders to discuss and develop new mitigation projects for inclusion into the county's hazard mitigation plan update. This was a hybrid-style meeting providing both in-person and virtual options. The in-person meeting was held at the CCEMA's office in Batavia; several stakeholders also attended the meeting virtually via MS Teams. The meeting began at 2:00 p.m. (and lasted approximately 150 minutes).

Following a welcome message from CCEMA Director Pam Haverkos, the county's consultant (Doug Britvec with JH Consulting, LLC) provided a brief recap of the hazard mitigation planning process, briefly presented OEMA and FEMA requirements pertaining to hazard mitigation plan updates, defined what hazard mitigation is, and provided an overview of FEMA's four hazard mitigation action categories. Those categories are as follows:

1. Local Plans and Regulations,
2. Structure and Infrastructure Projects,
3. Natural Systems Protection, and
4. Education and Awareness Programs.

The discussion amongst the stakeholders regarding new mitigation projects to include in this update was thorough. Stakeholders reviewed the on-going mitigation projects and worked collectively to identify new mitigation projects to be included in the plan update. As a result, new or ongoing mitigation projects have been developed to mitigate each of the 16 hazards included

in this plan. Stakeholders spent considerable time discussing possible mitigation projects to address cyber incidents and public health emergencies as these two hazards were added to the plan during this update. See new mitigation projects that were discussed by hazard below.

Cyber incident (New Hazard for 2025)

- Identify appropriate agencies/organizations to conduct a gap analysis to detect and prioritize cyber security needs across county owned critical assets.
- Coordinate with Clermont County Information Systems Department (IST) to continue, and where necessary increase cyber security training opportunities for pertinent county employees.
- Coordinate with Ohio Cyber Integration Center to disseminate information to municipalities regarding cyber hygiene
- Determine feasibility of conducting penetration tests (i.e., simulated cyber-attacks attempting to gain access into a domain or vulnerability scanning of computer applications) on high priority computer systems to identify existing cyber security gaps.
Coordinating agency IST
- Encourage county and municipal stakeholders including utility providers to participate in the Federal Bureau of Investigations (FBI's) Infragard Program
- Increase the enforcement of Multifactor Authentication (MFA), requiring users to provide multiple forms of identification to verify their identity beyond username and password before gaining access to an account or system.

Dam Failure

- No new projects identified

Drought

- In the future consider the possible impacts of AI generating plants on available water sources, as they draw a considerable amount of water.

Earthquake

- No new projects identified

Extreme Temperatures

- Continue efforts to identify publicly available spaces throughout the county that can be utilized as heating/cooling centers and obtain MOUs where necessary for the use of these facilities.

Flooding

- Use list of specific areas received from Engineer's Office of where to upgrade existing stormwater management systems (i.e., undersized storm sewer, failing storm sewers, lack of or undersized culverts).
- Prioritize and increase the frequency of roadway ditch cleaning efforts along publicly owned rights-of-way to remove obstructions which cause flooding along roadways.

Hazardous Materials Release

- Conduct a county-specific commodity flow study which analyzes all pertinent modes of transportation (i.e., highway, railway, waterway, pipeline) to identify the types, quantities, and locations of hazardous materials transport.

Invasive Species

- Alge bloom severity varies from year to year. Still an issue
- Remove live invasive plants as well as those that are dead and dying.
- Continue to coordinate with greenhouse owners and conduct inspections of greenhouses to identify possible invasive species that could be sold and planted throughout the county.
- Continue to disseminate public education materials regarding invasive species.
- Increase surveillance efforts to identify what areas of the region the Box tree moth is inhabiting and where it is traveling.

Landslides

- No new project identified.
- Neighborhood with homes nearly impacted by landslide area in Pierce Township off 10 miles

Public Health Emergencies (New Hazard for 2025)

- Undertake a periodic all hazard outreach program with all participating jurisdictions to provide information on public health emergencies.
- Increase availability of Naloxone and detox capabilities.
- Increase opioid recovery resources and prevention programs.
- Coordinate this plan with Clermont County Public Health's Community Health Assessment and Community Health Improvement Plan (CHA CHIP)

Severe Summer Weather

- No new projects identified

Severe Winter Weather

- No new projects identified

Terrorism

- No new projects identified
- The county does contain facilities that are part of the national defense sector.

Tornado

- Outdoor warning siren system utilizes 1950s technology. These sirens are owned and operated by the individual municipalities. Some sirens are not currently working.
- Coordinate with stakeholders to conduct a capability assessment of the county's future outdoor warning system.

Utility Failure (non-storm related)

- Assess critical facilities throughout the county to determine if they possess adequate backup power supplies.

Wildfire

- No new projects identified.

Pam and Doug also discussed the importance of pushing out the public survey and continuing to encourage the public to complete the survey to bolster public input throughout the planning process. Pam asked stakeholders to take photos of areas where public survey links, QR Codes, or hardcopies have been posted and to email her those photos.

Attachments

- Slide Deck

CLERMONT COUNTY HAZARD MITIGATION PLAN UPDATE



*Meeting #3 – New Mitigation
Projects*

June 26, 2025 ~ 2:00 p.m.

1

AGENDA

1. Mitigation Planning Overview
2. New Mitigation Projects
3. Q&A



2

HAZARD MITIGATION 101



Federal Emergency Management Agency (FEMA) – Region 5

- Oversees the hazard mitigation process at the local, regional, state, and national levels
- Defines mitigation as, “the effort to reduce loss of life and property by lessening the impact of disasters” (FEMA.gov, 2016)



3

HAZARD MITIGATION 101



Ohio Emergency Management Agency (OEMA)

- Oversees the hazard mitigation process at the state levels
- Ensure jurisdictional participation
- Ensure alignment with state projects and funding strategies



4

Mitigation Projects

Hazard Mitigation

Any sustained actions taken to reduce or eliminate long-term risks to people and property from hazards and their effects.

Mitigation Project Types

- Local Plans & Regulations
- Structure & Infrastructure Projects
- Natural Systems Protection
- Education & Awareness Programs

5

2025 HAZARD LIST

Natural Hazards

- Drought
- Earthquake
- Extreme Temperatures
- Flood
- Invasive Species
- Landslide
- Public Health Emergencies¹
- Severe Storms
- Tornado
- Wildfire
- Winter Storm

Technological Hazards

- Cyber Incident¹
- Dam & Levee Failure
- Hazmat Release
- Utility / Power Failure

Human-Caused Hazards

- Terrorism

6



Cyber Incident (New)

- A cyber-attack targets an organization's use of cyberspace for the purpose of disrupting, disabling, destroying or controlling their computing infrastructure
- Cyber incident impacts can range from insignificant to catastrophic.
- In late 2023, West Clermont Local School District experienced a sophisticated cyberattack resulting in \$1.7 million in losses

Sample Mitigation Projects

- Conduct a gap analysis to identify and prioritize cyber security needs across county owned critical assets.
- Increase cyber security training opportunities for county employees
- Distribute educational material in print and via social media regarding cyber security measures.
- Work with County IT to increase notification and warning capability regarding cyber threats.

7

Dam & Levee Failure

County Mitigation Projects – 5 ongoing

- Coordinate with ODNR to implement Dam Safety Program.
- Encourage dam owners to develop or update dam safety plans (EAPs).
- Encourage dam owners to be prepared to respond to a dam failure, including a notification plan to appropriate response agencies.
- Coordinate with local communities to ensure they understand dam failure risks and impacts.
- Coordinate with dam owners to rehabilitate High Hazard Potential Dams (HHPDs).

8

Drought

County Mitigation Projects – 2 ongoing

- Develop water storage plans, water use ordinances, contingency plans, and water delivery systems in water utility operating plans.
- Encourage farmers to purchase crop and drought insurance.

9

Earthquake

County Mitigation Projects – 1 ongoing

- Use outreach to foster earthquake awareness and mitigation in homes, schools, and businesses.

10

Extreme Temperatures

County Mitigation Projects – 2 ongoing

- Provide guidance and resources for vulnerable populations during extreme temperature events.
- Provide guidance and resources on utility assistance programs.

11

Flooding

County Mitigation Projects – 5 ongoing

- Improve stormwater management system.
- Identify and study poor draining areas to control flooding.
- Repair or replace ditching and culverts to control flooding.
- Continue to identify and study riverbank stabilization opportunities
- Encourage residents in flood-prone areas to purchase flood insurance.

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Hazardous Materials Release

County Mitigation Projects – 4 ongoing

- Organize an annual emergency drill to prepare for a disaster involving hazardous materials.
- Report amounts of hazardous materials stored on-site in accordance with regulations.
- Update Commodity Flow Study to identify types and volumes of hazmat transported via river, pipeline, truck, rail, and plane.
- Disseminate public outreach regarding disposal of household hazardous waste.

13

Invasive Species

County Mitigation Projects – 5 ongoing

- Implement an invasive species education program to include hazards, identification, behavior, and quarantine procedures.
- Distribute information explaining the importance of not importing or exporting firewood.
- Work with agricultural producers to monitor and minimize nutrient runoff to prevent Algal Blooms.
- Distribute public education regarding property owner's responsibility to remove dead/dying vegetation affected by invasive species.
- Increase protection efforts for public infrastructure affected by dead/dying vegetation due to invasive species.

14

Landslide

County Mitigation Projects – 11 ongoing

- Develop a map of landslide prone areas.
- Enforce slide-prone area ordinance to limit fill or dumping. Address drainage and other landslide related problems.
- Enforce drainage control regulations to reduce risk of landslides resulting from saturated soils.
- Develop grading ordinances requiring developers and landowners to obtain permits prior to filling or regrading.
- Implement Sanitary System Codes to reduce the effect of drainage on landslides by limiting the type and location of sanitary systems.
- Provide mitigation guidance to property owners on site stabilization, energy dissipation, and flow control measures.

15

Landslide Continued

County Mitigation Projects – 11 ongoing

- Consider the installation of retaining walls to hold soil in place.
- Implement Debris-Flow Measures (i.e., stabilization, energy dissipation, flow control measures) to reduce damage in sloping areas.
- Implement grading to increase slope stability.
- Consider vegetation placement and management plans to increase soil stability.
- Place future utilities outside of landslide prone areas to decrease service disruptions.

16

Public Health Emergency (New)

- A public health emergency is any adverse event (natural or human-caused) that compromises the health of the population and has the potential to cause widespread illness.

Sample Mitigation Projects

- Undertake a periodic all hazard outreach program with all participating jurisdictions to provide information on public health emergencies.
- Identify additional addiction recovery/sheltering centers and increase recovery capability.
- Increase broadband capabilities to bolster telehealth.
- Increase opioid recovery resources and prevention programs.

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Severe Summer Weather

County Mitigation Projects – 3 ongoing

- Develop a public education campaign providing multiple means of disseminating severe weather notifications, (i.e., weather radios, smart phone apps, social media feeds, registration to a mass notification system).
- Create an SOG for the timely clearing of storm debris from roadways.
- Maintain StormReady certification.

18

Severe Winter Weather

County Mitigation Projects – 1 ongoing

- Provide public education on winter weather safety, to include family and traveler emergency preparedness, driver safety, and animal protection.

19

Terrorism

County Mitigation Projects – 3 ongoing

- Encourage critical infrastructure to implement protective measures at their facilities.
- Coordinate with law enforcement to ensure safety at mass gathering events.
- Provide guidance to schools, churches, government agencies, health care facilities, and other critical facilities regarding active assailant threats.

20

Tornado

County Mitigation Projects – 1 ongoing

- Promote the Ohio Safe Room Rebate Program for the construction and installation of residential safe rooms.

21

Utility Failure (non-storm related)

County Mitigation Projects – 1 ongoing

- Tree trimming of township roads in right-of-ways along utility lines.

22

Wildfire

County Mitigation Projects – 2 ongoing

- Promote public education on smoking hazards and risks of recreational fires.
- Provide public education on extreme fire danger and red flag warnings.

23



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Hazard Mitigation Plan Update Meeting #2: June 26, 2025

[illegible]

1. Summary

Meeting title Hazard Mitigation Plan - New Mitigation Strategies

Attended participants 16

Start time 6/26/25, 1:46:16 PM

End time 6/26/25, 3:56:25 PM

Meeting duration 2h 10m 8s

Average attendance 1h 25m 49s

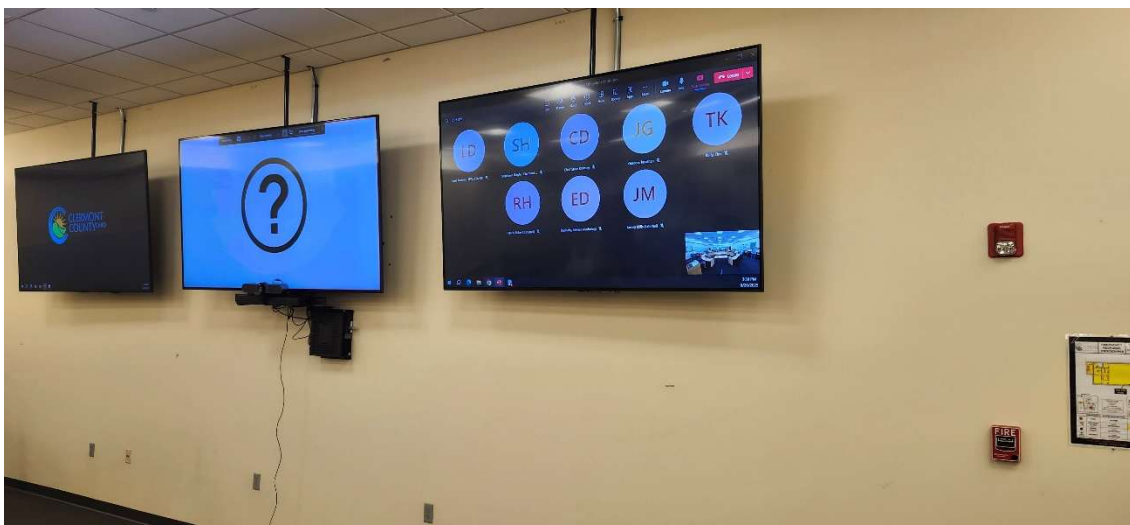
2. Participants

Name	First Join	Last Leave	In-Meeting	Email	Participant Role
15132623	6/26/25, 2:06:25	6/26/25, 2:46:25	46m 27s		??
Haverkos, F	6/26/25, 1:46:16	6/26/25, 3:21:10	2h 10m 4s	phaverkos@phaverkos@	County
Gordon, Jor	6/26/25, 2:06:25	6/26/25, 3:13:38	59s	jgordon@cl	jgordon@cl county
McManus, .	6/26/25, 2:06:25	6/26/25, 3:13:36	31s	jmcmanus@	jmcmanus@ County
Stephanie H	6/26/25, 2:06:25	6/26/25, 3:13:53	31s		County
Collier, Mar	6/26/25, 2:06:25	6/26/25, 3:48:36	3s	mcollier@c	mcollier@c County
Kelly, Tim	6/26/25, 1:46:16	6/26/25, 3:14:45	8s	tkelly@cler	tkelly@cler County
Jamey Mills	6/26/25, 1:46:16	6/26/25, 3:14:46	22s	jmills@milf	jmills@milf Jurisdiction
Hirsch, Rob	6/26/25, 1:46:16	6/26/25, 3:14:45	33s	Robert.Hirs	Robert.Hirs Jurisdiction
Chief Steve	6/26/25, 1:46:16	6/26/25, 3:14:47	41s	SDowney@	SDowney@ Jurisdiction
Chief Anthc	6/26/25, 2:06:25	6/26/25, 2:06:25	2m		Jurisdiction
Kelly, Steve	6/26/25, 2:06:25	6/26/25, 3:14:20	55s	Steve.Kelly	Steve.Kelly Jurisdiction
Richie, Mar	6/26/25, 1:46:16	6/26/25, 3:14:26	6s	Markus.Ric	Markus.Ric Other
Dadosky, E	6/26/25, 2:06:25	6/26/25, 3:14:13	32s	dadoskej@	dadoskej@ Other
Silverio, Ali	6/26/25, 2:06:25	6/26/25, 3:14:14	53s	Alicia.Silve	10048537@ S&F
Davis, Lara	6/26/25, 2:06:25	6/26/25, 3:14:36	42s	Laramie.Da	Laramie.Da S&F

3. In-Meeting Activities

Name	Join Time	Leave Time	Duration	Email	Role
Haverkos, F	6/26/25, 1:46:16	6/26/25, 3:21:10	2h 10m 4s	phaverkos@	Organizer
Jamey Mills	6/26/25, 1:46:16	6/26/25, 3:14:46	22s	jmills@milf	Presenter
Richie, Mar	6/26/25, 1:46:16	6/26/25, 3:14:26	6s	Markus.Ric	Presenter
Hirsch, Rob	6/26/25, 1:46:16	6/26/25, 3:14:45	33s	Robert.Hirs	Presenter
Kelly, Tim	6/26/25, 1:46:16	6/26/25, 3:14:45	8s	tkelly@cler	Presenter
Chief Steve	6/26/25, 1:46:16	6/26/25, 3:14:47	41s	SDowney@	Presenter
Gordon, Jor	6/26/25, 2:06:25	6/26/25, 3:13:38	59s	jgordon@cl	Presenter
Silverio, Ali	6/26/25, 2:06:25	6/26/25, 3:14:14	53s	Alicia.Silve	Presenter
McManus, .	6/26/25, 2:06:25	6/26/25, 3:13:36	31s	jmcmanus@	Presenter
Stephanie H	6/26/25, 2:06:25	6/26/25, 3:13:53	31s		Presenter
Davis, Lara	6/26/25, 2:06:25	6/26/25, 3:14:36	42s	Laramie.Da	Presenter
Chief Anthc	6/26/25, 2:06:25	6/26/25, 2:06:25	2m		Presenter
Kelly, Steve	6/26/25, 2:06:25	6/26/25, 3:14:20	55s	Steve.Kelly	Presenter
15132623	6/26/25, 2:06:25	6/26/25, 2:46:25	27s		Attendee
Dadosky, E	6/26/25, 2:06:25	6/26/25, 3:14:13	32s	dadoskej@	Presenter

CLERMONT COUNTY HAZARD MITIGATION PLAN MEETING 2



MEETING 4

CLERMONT COUNTY HAZARD MITIGATION PLAN 2025 UPDATE
PLANNING MEETING #4
AGENDA

Date: October 23, 2025
Time: 2:00 p.m.
Location: Clermont County Emergency Management Agency
2279 Clermont Center Drive, Batavia, OH 45103
Duration: 90 minutes

1. Welcome & Introductions
2. Mitigation Planning Overview
3. Public Comment Process
4. Plan Maintenance Process
5. Q & A
6. Adjournment

CLERMONT COUNTY HAZARD MITIGATION PLAN 2025 UPDATE

STAKEHOLDER MEETING #4 – DRAFT PLAN RELEASE

MINUTES

Date: October 23, 2025
Time: 2:00 p.m.
Duration: Approximately 120 minutes
Location: Clermont County Emergency Operations Center
2279 Clermont Center Drive, Batavia, OH 45103
Virtual via MS Teams
Attendees: 26 representatives (5 municipal, 9 county, 1 state/federal, 3 public)

On October 23, 2025, the Clermont County Emergency Management Agency (EMA) convened a group of stakeholders to discuss the plan maintenance process to be utilized moving forward, methods to allow public review and comment, and the plan adoption process. This was a hybrid-style meeting providing both in-person and virtual options. The in-person meeting was held at the Clermont County Emergency Operations Center (EOC) in Batavia; several stakeholders also attended the meeting virtually via MS Teams. The meeting began at 2:00 p.m. (and lasted approximately 120 minutes).

The Clermont County Emergency Management Agency (CCEMA) will continue to be the custodial agency for the county's hazard mitigation plan moving forward. The county will utilize their Local Emergency Planning Committee (LEPC) as a venue to hold annual hazard mitigation plan update meetings over the next five year cycle. Many of the hazard mitigation planning stakeholders are also members of the LEPC. The LEPC compiles minutes of its meetings, thus the annual mitigation discussion will be documented.

Stakeholders also recognizes that post-disaster periods following incidents that generate federal disaster declarations offers an opportunity to review this document while impacts are fresh in the minds of stakeholders.

Once a draft of the plan is made available, CCEMA will launch a 30 day public comment period. The draft plan will be published on the EMA website, and 10 hard copies will be placed at the local library branches. Hard copies will also be available at the EMA and the third floor of the County Administration Building. Stakeholders will be given the opportunity to provide

comments via a web-based survey or hard copy surveys. At the end of the comment period, the contractor will make the necessary changes and then submit the plan to Ohio EMA / FEMA for review.

The consultant also discussed the plan adoption process during this meeting. It was discussed that once approved by Ohio EMA/FEMA, the plan would be ready for Promulgation. The EMA will submit the plan to the Board of County Commissioners for promulgation. Once approved, the cities, villages and townships would have one year to promulgate the plan. EMA will send out the final plan along with the Promulgation documentation. Local jurisdictions would submit the promulgation through their normal approval process for adoption. Promulgation documents would be returned to EMA for submission to Ohio EMA and FEMA. All participating cities, villages, and enhanced townships (Batavia, Miami, and Union) are required to submit promulgation documentation for inclusion in the plan.

Attachments

- Slide Deck



CLERMONT COUNTY HAZARD MITIGATION PLAN UPDATE

*Planning Stakeholders Meeting #3
October 23, 2025 ~ 2:00 p.m.*

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WELCOME AND INTRODUCTIONS



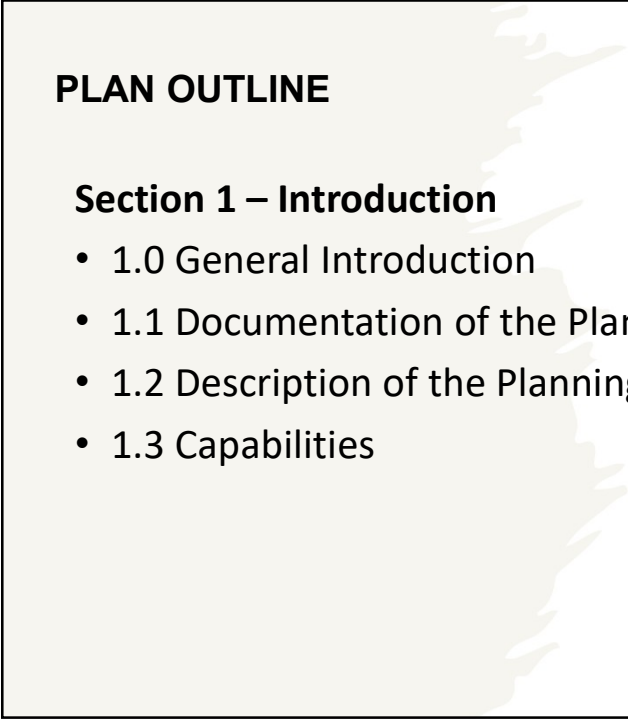
2

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AGENDA

1. Welcome & Introductions
 2. Mitigation Planning Overview
 3. Public Comment Process
 4. Plan Maintenance Process
 5. Q&A
- 
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PLAN OUTLINE

Section 1 – Introduction

- 1.0 General Introduction
- 1.1 Documentation of the Planning Process
- 1.2 Description of the Planning Area
- 1.3 Capabilities

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1.2 ASSET INVENTORY

"Built Environment" Assets			
<i>Existing Structures</i>	<i>Infrastructure</i>	<i>Critical Facilities</i>	<i>Cultural Resources</i>
• Commercial buildings • Industrial buildings • Single & multi-family residential buildings	• Water & wastewater • Power utilities • Transportation (roads, railways, waterways) • Communications systems/centers • Energy pipelines & storage	• Hospitals & medical facilities • Police & fire stations • Emergency operations centers • Evacuation shelters • Schools • Airport/heliports HIGH POTENTIAL LOSS FACILITIES • Nuclear power plants • Dams • Military & civil defense installations • Locations housing hazardous materials	• Historic assets • Museums • Unique geologic sites • Concert halls • Parks • Stadia

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PLAN OUTLINE

Section 2 – Risk Assessment

- 2.1 Identify Hazards
- 2.2 Describe Hazards
- 2.3 Summarizing Vulnerability
- 2.4 Analyze Impacts

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2.2 HAZARD RANKING METHODOLOGY

Frequency Categories			
<i>Value</i>	<i>Score</i>	<i>Description</i>	<i>Definition</i>
0.76 - >1.0	5	Frequent	Will occur during a year
0.51 – 0.75	4	Probable	Likely to occur in a year
0.26 – 0.50	3	Occasional	May (or may not) occur in a year
0 – 0.25	2	Remote	Unlikely to occur in a year
0	1	Improbable	So unlikely that it can be assumed it will not occur in a year

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2.2 HAZARD RANKING METHODOLOGY

Qualitative Risk Variables						
Response		Onset	Magnitude	Business	Human	Property
1	< half a day	> 24 hours	Localized (< 10% land area affected)	< 24 hours	Minimum (minor injuries)	< 10% property affected
2	One day	12-24 hours	Limited (10-25% land area affected)	One week	Low (some injuries)	10-25% property affected
3	One week	6-12 hours	Critical (25-50% land area affected)	At least two weeks	Medium (multiple severe injuries)	25-50% property affected
4	One month	< 6 hours	Catastrophic (> 50% land area affected)	More than 30 days	High (multiple deaths)	> 50% property affected
5	> one month	N/A	N/A	N/A	N/A	N/A

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2.2 HAZARD RANKING METHODOLOGY

<u>Range of Points (Score)</u>	<u>Hazard Ranking</u>
7 – 10	Lowest
11 – 15	Low
16 – 20	Medium
21 – 25	High
26 – 30	Highest

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2.3 Summarizing Vulnerability

Summary of Hazard Rankings – Clermont County									
<i>Hazard</i>	<i>Risk Ranking</i>	<i>Frequency</i>	<i>Response</i>	<i>Onset</i>	<i>Magnitude</i>	<i>Business</i>	<i>Human</i>	<i>Property</i>	<i>Total</i>
Cyber Incident	HIGH	5	5	4	2	4	1	2	23
Tornado	HIGH	3	5	4	2	4	3	1	22
Flooding	MEDIUM	5	4	3	2	2	3	1	20
Severe Summer Weather	MEDIUM	5	2	2	5	2	2	2	20
Utility Failure (Non-storm)	MEDIUM	3	2	5	3	2	3	2	20
Hazmat Release	MEDIUM	5	3	5	1	1	3	1	19
Invasive Species	MEDIUM	5	5	1	3	1	1	2	18
Public Health Emergencies	MEDIUM	3	5	1	4	2	2	1	18
Severe Winter Weather	MEDIUM	5	2	1	3	1	3	3	18
Wildfire	MEDIUM	5	3	4	1	2	2	1	18
Dam & Levee Failure	MEDIUM	2	4	1	1	3	3	3	17
Landslide	MEDIUM	5	2	3	3	1	2	1	17
Terrorism/Civil Disturbance	LOW	2	3	5	1	1	2	1	15
Extreme Temperatures	LOW	3	2	1	4	1	2	1	14
Drought	LOW	2	2	1	3	2	1	2	13
Earthquake	LOW	2	2	5	1	1	1	1	13

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2.4 ANALYZE IMPACTS – DECREASED VULNERABILITY

Key Development Influences on Risk in Clermont County		
<i>Development Trend</i>	<i>Hazard Implication</i>	<i>Risk Direction</i>
Launch of CyberOhio initiative and Ohio Persistent Cyber Improvement (OPCI).	Cyber Incident	↓ Decreased vulnerability
Removal of the low-head dam on the East Fork Little Miami River and Cloverlick Creek Dam. Regular inspections and maintenance by state and federal agencies.	Dam Failure	↓ Decreased exposure
Development and launch of the H2Ohio program which addresses water quality and resource issues.	Drought	↓ Decreased vulnerability
Modern residential construction using reinforced materials.	Earthquake, Tornado, Winter Storm	↓ Decreased vulnerability
The identification and communication of available heating and cooling centers throughout the county.	Extreme Temperatures	↓ Decreased vulnerability
Acquisition, relocation, and elevation mitigation projects.	Flash Flooding, Flooding	↓ Decreased vulnerability and exposure
Updates to the Ohio Administrative Code in 2023 to make the sale, propagation, distribution, and dissemination of 61 invasive species illegal. Several efforts take by the Ohio Division of Forestry, Department of Agriculture, the Ohio River Foundation, and the Clermont Soil & Water Conservation District.	Invasive Species	↓ Decreased vulnerability
Decisions to steer future development away from known landslide prone areas.	Landslide	↓ Decreased vulnerability
Establishment of Clermont County Addiction & Recovery Partnership (CARP).	Public Health Emergency	↓ Decreased vulnerability
Development of the Ohio Statewide Terrorism Analysis and Crime Center (STACC), and the Intelligence Liaison Officer (ILO) Program.	Terrorism	↓ Decreased vulnerability
Participation in the annual statewide tornado drill during Severe Weather Awareness Week.	Tornado	↓ Decreased vulnerability
Implementation of smart grid upgrades to include substation and transmission line modernization.	NS Related Utility Failures	↓ Decreased vulnerability
ODNR's implementation of seasonal outdoor burning bans and enforcement of regulations on open burning during high-risk months.	Wildfire	↓ Decreased vulnerability

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2.4 ANALYZE IMPACTS – INCREASED VULNERABILITY

Key Development Influences on Risk in Clermont County		
<i>Development Trend</i>	<i>Hazard Implication</i>	<i>Risk Direction</i>
Growing usage of digital infrastructure and networks	Cyber, Non-Storm Related Utility Failures	↑ Increased complexity
Aging dam infrastructure, average age of dams in the county is 54 years.	Dam Failure	↑ Increased vulnerability
Continuing population growth in Clermont County and increased water consumption demand.	Drought	↑ Increased vulnerability
Expansion of impervious surfaces in urbanizing areas	Flash Flooding, Severe Storms	↑ Increased exposure
The county's location within the Ohio River watershed and surrounding natural areas. Increased shipping and travel in the nearby Cincinnati metropolitan area increase pathways for invasive species.	Invasive Species	↑ Increased exposure
Aging population and pockets of poverty	Public Health, Terrorism	↑ Increased vulnerability
Aging segments of electrical systems, grid, and infrastructure	Severe Summer Weather, Winter Storms, Non-Storm Related Utility Failure	↑ Increased vulnerability
Persistent legacy housing stock (pre-1950)	Severe Summer Weather, Winter Storms, Shelter-in-Place Hazmat	↑ Increased vulnerability
The high prevalence of mobile and manufactured homes in the county which are susceptible to wind damage and account for a disproportionately high rate of tornado fatalities.	Tornado	↑ Increased vulnerability
Development within the Wildland Urban Interface (WUI)	Wildfire	↑ Increased exposure

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PLAN OUTLINE

Section 3 – Mitigation Strategy

- 3.1 Mitigation Goals
- 3.2 Mitigation Actions

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Prioritizing Mitigation Actions/Projects

Social Impacts – Will public support implementation

Technical Feasibility – Can the project be done, will it create more problems

Aministrative Req. – Staffing, funding, and maintenance requirements of project

Political Impacts – Acceptability of project from the political frame, is there political support

Legal – Can the project be lawfully implemented. Does jurisdiction have legal authority

Environ. – Will project cause negative environmental consequences if implemented

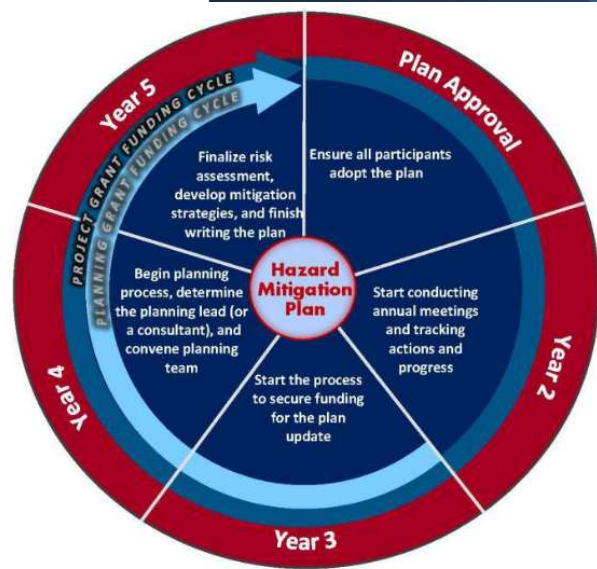
Economic – Cost/Benefit. Is adequate funding available to implement project

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PLAN OUTLINE

Section 4 – Plan Maintenance

- 4.1 Monitoring Evaluating Updating the Plan
- 4.2 Implementation through Existing Programs
- 4.3 Continued Public Involvement



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PLAN OUTLINE

Section 5 - Appendices

- 1 – Planning Process & Involvement
- 2 – Project Prioritization
- 3 – Inactive Projects
- 4 – Public Participation
- 5 – Municipal Flood & Landslide Mapping
- 6 – Plan Citations
- 7 – Crosswalk & Resolutions

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