

### 3.0 MITIGATION STRATEGY

§ 201.6(c)(3)

A mitigation strategy that provides the jurisdiction's blueprint for reducing the potential losses identified in the risk assessment, based on existing authorities, policies, programs and resources, and its ability to expand on and improve these existing tools.

Mitigation is defined as any sustained actions taken to reduce or eliminate long-term risk to life and property from hazards. Mitigation strategies are the plan's primary purpose. All other sections contribute to, and inform, the following mitigation actions.

According to FEMA (2013), "the mitigation strategy is made up of three main required components: mitigation goals, mitigation actions, and action plan for implementation. These provide the framework to identify, prioritize, and implement actions to reduce risk to hazards." This section contains the aforementioned items; it describes the updated goals and objectives for this multi-jurisdictional mitigation plan, it outlines the action items (or projects) for each participating jurisdiction within Clermont County, and each project identifies the agency responsible for completing the project as well as a general timeline for completion.

## 3.0 MITIGATION STRATEGY

### 3.1 Mitigation Goals and Objectives

Hazard mitigation goals and objectives represent what the county wants to achieve by implementing risk reduction projects. These goals work together to lessen the loss of life, injury, and damage to property, the economy, and the environment from the hazards identified in Section 2.2 above.

During the first plan update meeting, planning stakeholders decided to keep some of the goals from the 2020 plan. Stakeholders felt that some of the existing goals were still realistic and relevant; however, a decision was made to remove existing Goals 5 and 8. Planning stakeholders also suggested that existing goals 4, and 9 through 11 would be better listed as mitigation projects rather than overarching goals. The overarching goals and objectives apply to the unincorporated areas as well as the municipalities; this way all communities within the county are working towards the same objectives and ultimately towards the overall goals. During the first meeting, planning stakeholders approved the following as this plan's organizing goals and objectives.

**Table 3.1.1**

| Mitigation Goals & Objectives – Clermont County |                                                                                         |                                                                                                                          |
|-------------------------------------------------|-----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Goals                                           | Description                                                                             | Objectives                                                                                                               |
| GOAL 1                                          | Minimize loss of life and injury from hazard events.                                    | 1.1: Implement and educate the public on notification and warning measures for hazard events.                            |
|                                                 |                                                                                         | 1.2: Develop and sustain partnerships among responders and local officials revolving around education and training.      |
|                                                 |                                                                                         | 1.3: Maintain and enforce floodplain management activities.                                                              |
| GOAL 2                                          | Minimize environmental damage from hazard events and protect natural resources.         | 2.1: Reduce pollution, contamination, and disaster debris.                                                               |
|                                                 |                                                                                         | 2.2: Slow the spread of and impacts from invasive species.                                                               |
|                                                 |                                                                                         | 2.3: Promote sustainable land use and smart growth, to include the preservation of open space.                           |
| GOAL 3                                          | Minimize damage to personal and public property.                                        | 3.1: Reduce structure exposure in known hazard-prone areas.                                                              |
|                                                 |                                                                                         | 3.2: Communicate methods to harden private property and to protect critical infrastructure (i.e., assets and dams)       |
|                                                 |                                                                                         | 3.3: Invest in drainage and water management infrastructure.                                                             |
|                                                 |                                                                                         | 3.4: Decrease the number of stormwater management issues throughout the county                                           |
| GOAL 4                                          | Identify areas of greatest impact from hazards.                                         | 4.1: Increase inundation mapping in existing Emergency Action Plans (EAPs) for High Hazard Potential Dams (HHPDs).       |
| GOAL 5                                          | Maximize the coordination of mitigation efforts across all participating jurisdictions. | 5.1: Increase communication and collaboration among all participating jurisdictions with regards to mitigation projects. |

These goals are clear and collectively derived. Most importantly, though, these goals and objectives are written such that jurisdictions are able to measure their progress toward risk reduction.

## 3.0 MITIGATION STRATEGY

### 3.2 Mitigation Actions

This section serves as a mitigation action plan to reduce the losses and other impacts Clermont County may suffer from the hazards included in the risk assessment. “A mitigation action is a specific action, project, activity, or process taken to reduce or eliminate long-term risk to people and property from hazards and their impacts. Implementing mitigation actions helps achieve the plan’s goals and objectives. The actions to reduce vulnerability to threats and hazards form the core of the plan and are a key outcome of the planning process” (FEMA, 2013).

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                               |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| § 201.6(c)(3)      | A mitigation strategy that provides the jurisdiction's blueprint for reducing the potential losses identified in the risk assessment, based on existing authorities, policies, programs and resources, and its ability to expand on and improve these existing tools.                                                                                                                                                         |
| § 201.6(c)(3)(ii)  | A section that identifies and analyzes a comprehensive range of specific mitigation actions and projects being considered to reduce the effects of each hazard, with particular emphasis on new and existing buildings and infrastructure. All plans approved by FEMA after October 1, 2008, must also address the jurisdiction's participation in the NFIP, and continued compliance with NFIP requirements, as appropriate. |
| § 201.6(c)(3)(iii) | An action plan describing how the actions identified in paragraph (c)(3)(ii) of this section will be prioritized, implemented, and administered by the local jurisdiction. Prioritization shall include a special emphasis on the extent to which benefits are maximized according to a cost-benefit review of the proposed projects and their associated costs.                                                              |

The Clermont County Emergency Management Agency (CCEMA), planning stakeholders, and their consultant (JH Consulting, LLC), coordinated directly with the jurisdictions throughout the county to update the mitigation project list. Outreach included individual calls and technical assistance. Further, several in-person and virtual planning meetings were held with each county and municipal jurisdiction (see Section 1.1), these meetings allowed all jurisdictions to discuss existing project status (i.e., completed, deleted, deferred, ongoing), and new projects, etc. The narrative below is the result of that outreach.

### Types of Mitigation Actions

There are four primary types of mitigation actions that can work to reduce long-term vulnerability: local plans and regulations, structure and infrastructure projects, natural systems protection, and education and outreach activities (FEMA, 2025b, pp. 85-87).

- **Local Plans and Regulations:** Local land use or comprehensive plans embody the goals, values, and aspirations of the community, as expressed through a process of community engagement. Local ordinances and review processes influence land development and building construction. In some cases, plans and regulations can work at cross-purposes.

For example, a capital improvement plan may call for extending water and sewer lines to an area that is vulnerable to natural hazards. Examples include the following.

- Comprehensive plans
  - Land use ordinances
  - Subdivision regulations
  - Development review
  - Building codes and enforcement
  - NFIP, Community Rating System (CRS)
  - Capital improvement programs
  - Open space preservation
  - Storm water management regulations and master plans
- 
- **Structure and Infrastructure Projects:** These actions involve modifying existing structures and infrastructure to protect them from a hazard or remove them from a hazard area. These projects could apply to public or private structures as well as critical facilities and infrastructure. This type of action also involves projects to construct human-made structures to reduce the impact of hazards. Examples include the following.
- Acquisitions and elevations of structures in flood-prone areas
  - Utility undergrounding
  - Structural retrofits
  - Floodwalls and retaining walls
  - Dams and detention and retention structures
  - Culverts
  - Safe rooms

- **Natural Systems Protection:** These are actions that minimize damage and losses while preserving or restoring the functions of natural systems. Examples include the following.
  - Sediment and erosion control
  - Stream corridor restoration
  - Forest management
  - Conservation easements
  - Wetland restoration and preservation
  - Greenways
  - Rain gardens
  
- **Education and Outreach Activities:** These are actions to inform and educate citizens, elected officials, and property owners about hazards and potential ways to mitigate them. Although this type of mitigation reduces risk less directly than structural projects or regulations, it is an important foundation. A greater understanding and awareness of hazards and risk among local officials, stakeholders, and the public can lead to direct actions. Examples include the following.
  - Radio or television spots
  - Social media outreach
  - Websites with maps and information
  - Real estate disclosure
  - Presentations to school groups or neighborhood organizations
  - Mailings to residents in hazard-prone areas
  - StormReady
  - Firewise Communities

For some hazards such as tornadoes, including preparedness actions in the mitigation plan may be necessary and practical. The mitigation plan may be the best place for your community to capture and justify the need for these actions. However, these will not supplant or meet the federal requirements for identifying mitigation actions. It is important that the planning team understands the difference and can distinguish between mitigation and other emergency management activities.

To help stakeholders and participating jurisdictions better understand the types of mitigation techniques that work best for the hazards identified in the risk assessment, Table 3.2.1 below serves as a reference.

**Table 3.2.1**

| HAZARD                    | MITIGATION ACTION TYPES BY HAZARD    |                                                |                                   |                           |
|---------------------------|--------------------------------------|------------------------------------------------|-----------------------------------|---------------------------|
|                           | <i>Local Plans &amp; Regulations</i> | <i>Structure &amp; Infrastructure Projects</i> | <i>Natural Systems Protection</i> | <i>Education Programs</i> |
| Cyber Incident            |                                      | X                                              |                                   | X                         |
| Dam & Levee Failure       | X                                    | X                                              |                                   | X                         |
| Drought                   | X                                    | X                                              | X                                 | X                         |
| Earthquake                | X                                    |                                                |                                   | X                         |
| Extreme Temperatures      |                                      |                                                | X                                 | X                         |
| Flooding                  | X                                    | X                                              | X                                 | X                         |
| HazMat Release            | X                                    | X                                              |                                   | X                         |
| Invasive Species          | X                                    |                                                | X                                 | X                         |
| Landslide                 | X                                    | X                                              |                                   | X                         |
| Public Health Emergency   | X                                    |                                                |                                   | X                         |
| Severe Summer Weather     | X                                    | X                                              |                                   | X                         |
| Severe Winter Weather     | X                                    | X                                              |                                   | X                         |
| Terrorism                 | X                                    | X                                              |                                   | X                         |
| Tornado                   |                                      | X                                              |                                   | X                         |
| Utility Failure (Dry Day) | X                                    | X                                              |                                   |                           |
| Wildfire                  | X                                    |                                                | X                                 | X                         |

### Possible Funding Sources

The following is a list of relevant funding sources, including but not limited to grant programs that can potentially be utilized to implement the mitigation strategies identified below.

- Assistance to Firefighters Grant (AFG)
- Community Development Block Grant (CDBG)
- Emergency Management Performance Grant (EMPG)
- Energy Infrastructure Reinvestment (EIR) Program
- Energy Improvement in Rural and Remote Areas (ERA) Program
- FEMA Public Assistance Grant Program
- Flood Mitigation Assistance (FMA) Program
- Floodplain Management Services Program (FMSP)
- Grid Resilience and Innovation Partnership (GRIP) Program
- Hazardous Materials Emergency Program (HMEP)
- Hazard Mitigation Grant Program (HMGP)
- High Hazard Potential Dams (HHPD) Grant
- Homeland Security Grant Program (HSGP)
- Hospital Preparedness Program (HPP)

- Increased Cost of Compliance (ICC) under NFIP
- Repetitive Flood Claim (RFC) Program / Severe Repetitive Loss (SRL) Program
- Safeguarding Tomorrow Revolving Loan Fund Program (STRLF)
- Small Business Administration (SBA) Loans
- Specialty Crop Block Grant (SCBG)
- State and Local Cybersecurity Grant Program (SLCGP)
- US Army Corp of Engineers (USACE)
- US Department of Agriculture (USDA)
- US Economic Development Administration (USEDA)
- US Natural Resources Conservation Services (NRCS)
- US Department of Transportation (USDOT)

#### Project Prioritization

Clermont County prioritized the action items (i.e., projects) included in this plan. The county used the following criteria (roughly corresponding to the STAPLEE method) as considerations when prioritizing projects.

- **Social Impacts:** Consider whether the public would support implementation of the project. If so, priority is likely to rise.
  - Will the action adversely affect one segment of the population?
  - Will the action disrupt established neighborhoods, break up voting districts, or cause the relocation of lower income people?
  - Is the action compatible with present and future community values?
- **Technical Feasibility:** Consider whether the project can be done and if it will yield the intended outcomes. If yes, priority would likely rise.
  - How effective is the action in avoiding or reducing future losses?
  - Will it create more problems than it solves?
  - Does it solve the problem or only a symptom?
- **Administrative Requirements:** Consider the staffing, funding, and maintenance requirements of the project. If current capabilities can successfully manage and sustain the project, priority would be strengthened.

- Does the jurisdiction have the capability (i.e., staff, technical expertise, and/or funding) to implement the action, or can it be readily obtained?
- Can the community provide the necessary maintenance?
- Can it be accomplished in a timely manner?
- Is this action a project for jurisdictional staff, a contractor, or both?
- **Political Impacts:** Consider the acceptability of the project from the political frame. If it is likely to cause political upheaval, it would receive a lower priority. Proposed mitigation objectives sometimes fail because of a lack of political acceptability. This can be avoided by determining:
  - Is there political support to implement and maintain this action?
  - Have political leaders participated in the planning process so far?
  - Is there a local champion willing to help see the action to completion?
  - Who are the stakeholders in this proposed action?
  - Is there enough public support to ensure the success of the action?
  - Have all the stakeholders been offered an opportunity to participate in the planning process?
  - How can the mitigation objectives be accomplished at the lowest “cost” to the public?
- **Legal Ramifications:** Consider whether the project can be lawfully implemented. If not, the project cannot be listed. Determine whether the jurisdiction has the legal authority at the state, or local level to implement the action, or if the jurisdiction must pass new laws or regulations.
  - Does the state, county, or community have the authority to implement the proposed action?
  - Are the proper laws, ordinances, and resolutions in place to implement the action?
  - Are there any potential legal consequences?
  - Will the community be liable for the actions or support of actions, or lack of action?
  - Is the action likely to be challenged by stakeholders who may be negatively affected?
- **Environmental Impacts:** Consider whether there would be negative consequences to environmental assets should the project be implemented. If assets are impacted, priority would be likely to fall.
  - How will this action affect the environment (i.e., land, water, endangered species)?

- Will this action comply with local, state, and federal environmental laws or regulations?
- Is the action consistent with community environmental goals?
- **Economic Impacts/Cost Benefit:** Consider the criteria in *FEMA Publication 386-5: Using Benefit Cost Review in Mitigation Planning* (2007) to determine the “pros” and “cons” of each project. Maximizing the use of available funds would positively affect a project’s priority. Every local and state government experiences budget constraints at one time or another. Cost-effective mitigation actions that can be funded in current or upcoming budget cycles are much more likely to be implemented. Economic considerations must include the present economic base and projected growth and should be based on answers to questions such as:
  - Are there currently sources of funds that can be used to implement the action?
  - What benefits will the action provide?
  - Does the cost seem reasonable for the size of the problem and likely benefits?
  - What burden will be placed on the tax base or local economy to implement this action?
  - Does the action contribute to other community economic goals, such as capital improvements or economic development?

Each mitigation project received an individual score from one to five for each of the seven categories listed above. Those seven individual scores were added together as a total score for each mitigation project. Each project also received a score regarding the hazard for which the project was associated. If the hazard ranked high, three points were added to the project, if medium two points were added, if low one point was added. The total scores for each mitigation project were utilized to prioritize the projects as High Priority (total score of 37 to 33), Medium Priority (total score of 32 to 28), and Low Priority (total score of 27 to 23). See Appendix 2 for documentation of the calculations.

#### Jurisdictional Mitigation Actions

The following table lists the active hazard mitigation projects for Clermont County and the participating jurisdictions. In addition to the action itself, the tables identify, to the extent possible, the following information.

- **Project Number:** An identifier to enable quick referencing.
- **Mitigation Action:** Brief description of the action to reduce risk.
- **Strategy Detail:** Outlines the strategy necessary to implement the mitigation action.

- **Project Priority:** The prioritization calculation for the action, based on the methodology noted above. (i.e., High, Medium, Low)
- **Project Status:** Identifies whether the project is ongoing from the previous version of the plan, or is a new project identified during this plan update.
- **Project Type:** The associated mitigation technique category (i.e., local plans and regulations, structure and infrastructure projects, natural systems protection, education, and outreach projects)
- **Potential Funding Source(s):** The program(s) or agencies/entities that could fund the action
- **Estimated Cost:** An informal cost estimate or credible source from which to develop a cost estimate
- **Project Lead:** The coordinating agency (along with, in some cases, support agencies)
- **Start / End Dates:** An approximate timeframe for completion, if known

During the development of the 2025 Hazard Mitigation Plan (HMP) update, mitigation action items within the 2020 HMP were reviewed by planning stakeholders. Status updates were obtained and are provided in the table below, as well as in Appendix 3 – Inactive Projects. The following table lists the active (i.e., new, and ongoing) hazard mitigation actions for Clermont County and the participating jurisdictions. These actions have broad applicability and benefit multiple jurisdictions or unincorporated areas. See Appendix 3 for a list of inactive (i.e., completed, deleted, and deferred) projects.

| Table 3.2.2 2025 MITIGATION ACTION PLAN – CLERMONT COUNTY    |                                                                                                                                                                                                                                      |                                                                                                                                               |                  |                |                                    |                |                |                                                                   |            |          |
|--------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|------------------|----------------|------------------------------------|----------------|----------------|-------------------------------------------------------------------|------------|----------|
| Project #                                                    | Mitigation Action                                                                                                                                                                                                                    | Strategy Detail                                                                                                                               | Project Priority | Project Status | Project Type                       | Funding Source | Estimated Cost | Project Lead                                                      | Start Date | End Date |
| County Mitigation Projects – All Participating Jurisdictions |                                                                                                                                                                                                                                      |                                                                                                                                               |                  |                |                                    |                |                |                                                                   |            |          |
| CC-AH.1                                                      | Increase general hazard awareness                                                                                                                                                                                                    | Provide public education and outreach on disaster preparedness including websites, newsletters, social media, Preparedness Month events, etc. | High             | Ongoing        | Education Program                  | Local          | \$5,000        | CCEMA                                                             | 1/01/26    | 12/31/30 |
| <b>Note:</b>                                                 | Various hazard information has been sent out over the past five years to various groups, continual updates as needed. This will continue to be an ongoing project.                                                                   |                                                                                                                                               |                  |                |                                    |                |                |                                                                   |            |          |
| CC-AH.2                                                      | Back-up power supply                                                                                                                                                                                                                 | Develop or update back-up power generation capabilities at critical governmental facilities.                                                  | Medium           | Ongoing        | Structure & Infrastructure Project | Local          | \$10,000       | County Commission Mayors/Admin. of participating jurisdictions    | 1/01/26    | 12/31/29 |
| <b>Note:</b>                                                 | <b>Applicable Jurisdictions:</b> All participating cities, villages, and townships. Backup generators have been installed at EMA/911, JFS, new fuel depot, need to build-out CTC during this update.                                 |                                                                                                                                               |                  |                |                                    |                |                |                                                                   |            |          |
| CC-AH.3                                                      | Code enforcement                                                                                                                                                                                                                     | Continue fire code, building code, zoning, and floodplain management enforcement activities.                                                  | Low              | Ongoing        | Local Plans & Regulations          | Local          | \$40,000       | County Building Dept Mayors/Admin. of participating jurisdictions | 1/01/26    | 12/31/30 |
| <b>Note:</b>                                                 | <b>Applicable Jurisdictions:</b> All participating cities, villages, and townships. Ohio Building Code updated March 2024, fire code updated 2017, currently in the process of update flood regulations, have been reviewed by ODNR. |                                                                                                                                               |                  |                |                                    |                |                |                                                                   |            |          |
| CC-AH.4                                                      | Community safe rooms                                                                                                                                                                                                                 | Promote the installation of community safe rooms strategically placed throughout the county.                                                  | Low              | Ongoing        | Structure & Infrastructure Project | OEMA           | \$200,000/per  | CCEMA                                                             | 1/01/26    | 12/31/30 |
| <b>Note:</b>                                                 | Obtain funding through Ohio Safe Room Rebate Program to construct tornado shelters near mobile home parks.                                                                                                                           |                                                                                                                                               |                  |                |                                    |                |                |                                                                   |            |          |
| CC-AH.5                                                      | EOP update                                                                                                                                                                                                                           | Update portions of the county's Emergency Operations Plan (EOP).                                                                              | High             | Ongoing        | Local Plans & Regulations          | EMPG           | \$20,000       | CCEMA                                                             | 1/01/26    | 12/31/28 |
| <b>Note:</b>                                                 | From 2022-2025 major overhaul to EOP, try to update between 3 and 5 annexes per year, and update the Basic Plan every 4 years.                                                                                                       |                                                                                                                                               |                  |                |                                    |                |                |                                                                   |            |          |
| CC-AH.6                                                      | COOP update                                                                                                                                                                                                                          | Update portions of the county's Continuity of Operations Plan (COOP).                                                                         | Medium           | Ongoing        | Local Plans & Regulations          | HS GP EMPG     | \$25,000       | County Commission                                                 | 1/01/26    | 12/31/28 |

| Table 3.2.2 2025 MITIGATION ACTION PLAN – CLERMONT COUNTY |                                                                                                                                                                                                                                                  |                                                                                                                                                                |                  |                |                           |                |                |                                               |            |          |
|-----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|----------------|---------------------------|----------------|----------------|-----------------------------------------------|------------|----------|
| Project #                                                 | Mitigation Action                                                                                                                                                                                                                                | Strategy Detail                                                                                                                                                | Project Priority | Project Status | Project Type              | Funding Source | Estimated Cost | Project Lead                                  | Start Date | End Date |
| Note:                                                     | Most departments have completed their portion of the COOP. These plans were tested during COVID-19. Resources have been provided to municipalities to assist with their COOP development.                                                        |                                                                                                                                                                |                  |                |                           |                |                |                                               |            |          |
| CYBER INCIDENT                                            |                                                                                                                                                                                                                                                  |                                                                                                                                                                |                  |                |                           |                |                |                                               |            |          |
| CI 1                                                      | Cyber hygiene education                                                                                                                                                                                                                          | Continue to educate county employees on cyber hygiene. Coordinate with Ohio Cyber Integration Center to disseminate information to improve cyber security.     | Medium           | New            | Education Program         | Local          | \$2,000        | Clermont ISD<br>Ohio Cyber Integration Center | 1/01/26    | 12/31/30 |
| Note:                                                     | This is a new mitigation project developed during the 2025 update. Cyber Incident was added as a new hazard. Clermont County Information Systems Department (ISD) contracts with KnowBe4 to provide cyber security training to county employees. |                                                                                                                                                                |                  |                |                           |                |                |                                               |            |          |
| CI 2                                                      | Infragard program                                                                                                                                                                                                                                | Encourage county and municipal stakeholders to participate in the Infragard Program.                                                                           | High             | New            | Education Program         | Local          | \$0            | Clermont ISD                                  | 1/01/26    | 12/31/27 |
| Note:                                                     | This is a new mitigation project developed during the 2025 update. Cyber Incident was added as a new hazard.                                                                                                                                     |                                                                                                                                                                |                  |                |                           |                |                |                                               |            |          |
| CI 3                                                      | Use of Multifactor Authentication                                                                                                                                                                                                                | Increase the use of Multifactor Authentication (MFA), require users to provide multiple forms of identification before gaining access to an account or system. | Low              | New            | Local Plans & Regulations | Local          | \$0            | Clermont ISD                                  | 1/01/26    | 12/31/27 |
| Note:                                                     | This is a new mitigation project developed during the 2025 update. Cyber Incident was added as a new hazard.                                                                                                                                     |                                                                                                                                                                |                  |                |                           |                |                |                                               |            |          |
| CI 4                                                      | Cyber security gap analysis                                                                                                                                                                                                                      | Identify appropriate agencies to conduct a gap analysis to detect and prioritize cyber security needs across county owned critical assets.                     | Medium           | New            | Education Program         | HSGP           | \$30,000       | Clermont ISD                                  | 1/01/26    | 12/31/28 |
| Note:                                                     | This is a new mitigation project developed during the 2025 update. Cyber Incident was added as a new hazard.                                                                                                                                     |                                                                                                                                                                |                  |                |                           |                |                |                                               |            |          |
| CI 5                                                      | Conduct penetration tests                                                                                                                                                                                                                        | Conduct penetration tests (i.e., simulated cyberattacks) on high priority computer systems to identify cyber security gaps.                                    | Medium           | New            | Education Program         | SLCGP          | \$25,000       | Clermont ISD                                  | 1/01/26    | 12/31/29 |
| Note:                                                     | This is a new mitigation project developed during the 2025 update. Cyber Incident was added as a new hazard.                                                                                                                                     |                                                                                                                                                                |                  |                |                           |                |                |                                               |            |          |
| DAM & LEVEE FAILURE                                       |                                                                                                                                                                                                                                                  |                                                                                                                                                                |                  |                |                           |                |                |                                               |            |          |
| DF 1                                                      | Dam safety program                                                                                                                                                                                                                               | Coordinate with ODNR to implement the Dam Safety Program.                                                                                                      | High             | Ongoing        | Local Plans & Regulations | ODNR           | \$0            | CCEMA                                         | 1/01/26    | 12/31/30 |

| Table 3.2.2 2025 MITIGATION ACTION PLAN – CLERMONT COUNTY |                                                                                                                            |                                                                                                                                  |                  |                |                                    |                |                     |                             |            |          |
|-----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|------------------|----------------|------------------------------------|----------------|---------------------|-----------------------------|------------|----------|
| Project #                                                 | Mitigation Action                                                                                                          | Strategy Detail                                                                                                                  | Project Priority | Project Status | Project Type                       | Funding Source | Estimated Cost      | Project Lead                | Start Date | End Date |
| Note:                                                     | This will be an ongoing project as long as the program exists.                                                             |                                                                                                                                  |                  |                |                                    |                |                     |                             |            |          |
| DF 2                                                      | Emergency Action Plans (EAPs)                                                                                              | Encourage dam owners to develop or update dam safety plans (EAPs).                                                               | Low              | Ongoing        | Local Plans & Regulations          | Local          | \$10,000            | ODNR<br>CCEMA<br>Dam Owners | 1/01/26    | 12/31/28 |
| Note:                                                     | The CCEMA office currently has copies of EAPs for all Class I dams in the county.                                          |                                                                                                                                  |                  |                |                                    |                |                     |                             |            |          |
| DF 3                                                      | Dam failure notifications                                                                                                  | Encourage dam owners to be prepared to respond to a dam failure, including a notification plan to appropriate response agencies. | Low              | Ongoing        | Local Plans & Regulations          | Local          | \$0                 | CCEMA<br>Dam Owners         | 1/01/26    | 12/31/29 |
| Note:                                                     | Plans only focus on notification portion not response. Increase communications between ODNR-Dam Safety and local agencies. |                                                                                                                                  |                  |                |                                    |                |                     |                             |            |          |
| DF 4                                                      | Increase dam failure awareness                                                                                             | Coordinate with local communities to ensure they understand dam failure risks and impacts.                                       | High             | Ongoing        | Education Program                  | Local          | \$0                 | ODNR<br>Dam Owners          | 1/01/26    | 12/31/28 |
| Note:                                                     | Increase communications between ODNR-Dam Safety and local agencies.                                                        |                                                                                                                                  |                  |                |                                    |                |                     |                             |            |          |
| DF 5                                                      | HHPD Rehabilitation                                                                                                        | Coordinate with dam owners to rehabilitate High Hazard Potential Dams (HHPDs).                                                   | Medium           | Ongoing        | Structure & Infrastructure Project | HHPD           | \$100,000 to \$1.0M | Dam Owners                  | 1/01/26    | 12/31/30 |
| Note:                                                     | Will initiate this project as dam rehabilitation is identified to be necessary.                                            |                                                                                                                                  |                  |                |                                    |                |                     |                             |            |          |
| DROUGHT                                                   |                                                                                                                            |                                                                                                                                  |                  |                |                                    |                |                     |                             |            |          |
| DR 1                                                      | Crop Insurance                                                                                                             | Encourage farmers to purchase crop and drought insurance.                                                                        | Low              | Ongoing        | Local Plans & Regulations          | USDA           | Unknown             | OSU<br>Extension            | 1/01/26    | 12/31/30 |
| Note:                                                     | This is an ongoing project; farmers must renew policies annually.                                                          |                                                                                                                                  |                  |                |                                    |                |                     |                             |            |          |
| DR 2                                                      | AI generating plant impacts                                                                                                | Evaluate potential impacts of AI generating plants on available water sources.                                                   | Medium           | New            | Natural Systems Protection         | USDA<br>NRCS   | \$25,000            | County Water Resources      | 1/01/26    | 12/31/29 |
| Note:                                                     | This is a new mitigation project developed during the 2025 update.                                                         |                                                                                                                                  |                  |                |                                    |                |                     |                             |            |          |
| EARTHQUAKE                                                |                                                                                                                            |                                                                                                                                  |                  |                |                                    |                |                     |                             |            |          |
| EQ 1                                                      | Earthquake awareness                                                                                                       | Use outreach to foster earthquake awareness and mitigation in homes, schools, and businesses.                                    | Medium           | Ongoing        | Education Program                  | Local          | \$5,000             | CCEMA                       | 1/01/26    | 12/31/28 |
| Note:                                                     | Include school earthquake safety plans and drills moving forward.                                                          |                                                                                                                                  |                  |                |                                    |                |                     |                             |            |          |

| Table 3.2.2 2025 MITIGATION ACTION PLAN – CLERMONT COUNTY                                                                                                                                                                                       |                                  |                                                                                                                                  |                  |                |                                    |                   |                   |                                                              |            |          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------|------------------|----------------|------------------------------------|-------------------|-------------------|--------------------------------------------------------------|------------|----------|
| Project #                                                                                                                                                                                                                                       | Mitigation Action                | Strategy Detail                                                                                                                  | Project Priority | Project Status | Project Type                       | Funding Source    | Estimated Cost    | Project Lead                                                 | Start Date | End Date |
| <b>EXTREME TEMPERATURES</b>                                                                                                                                                                                                                     |                                  |                                                                                                                                  |                  |                |                                    |                   |                   |                                                              |            |          |
| ET 1                                                                                                                                                                                                                                            | Heating/Cooling centers          | Continue to identify publicly available spaces that can be utilized by vulnerable populations during extreme temperature events. | Medium           | Ongoing        | Education Program                  | Local             | \$5,000           | County Public Health                                         | 1/01/26    | 12/31/29 |
| <b>Note:</b> Have provided guidance on where heating/cooling centers are (i.e., public libraries). Post information on website regarding location of heating/cooling centers).                                                                  |                                  |                                                                                                                                  |                  |                |                                    |                   |                   |                                                              |            |          |
| ET 2                                                                                                                                                                                                                                            | Utility assistance programs      | Provide guidance and resources on utility assistance programs.                                                                   | Medium           | Ongoing        | Education Program                  | PUCO Local        | \$5,000           | County Community Services                                    | 1/01/26    | 12/31/28 |
| <b>Note:</b> PUCO and Duke Energy does have information available                                                                                                                                                                               |                                  |                                                                                                                                  |                  |                |                                    |                   |                   |                                                              |            |          |
| <b>FLOODING</b>                                                                                                                                                                                                                                 |                                  |                                                                                                                                  |                  |                |                                    |                   |                   |                                                              |            |          |
| FL 1                                                                                                                                                                                                                                            | Stormwater management            | Evaluate and improve existing stormwater management system (i.e., undersized storm sewers, lack of and undersized culverts).     | Low              | Ongoing        | Structure & Infrastructure Project | CDBG FMSP HMGP    | \$50,000 to \$20M | System Owner Mayors/Admin. of participating jurisdictions    | 1/01/26    | 12/31/30 |
| <b>Note:</b> <b>Applicable Jurisdictions:</b> All participating cities, villages, and townships. Two spots have been identified on State Route 125. Utilize information from Engineer's Office to identify other areas where this is necessary. |                                  |                                                                                                                                  |                  |                |                                    |                   |                   |                                                              |            |          |
| FL 2                                                                                                                                                                                                                                            | Identify poor drainage areas     | Conduct studies to identify poor drainage areas.                                                                                 | Medium           | Ongoing        | Education Program                  | FMA HMGP STRLF    | \$100,000         | County Engineer Mayors/Admin. of participating jurisdictions | 1/01/26    | 12/31/30 |
| <b>Note:</b> <b>Applicable Jurisdictions:</b> All participating cities, villages, and townships. This is an ongoing project.                                                                                                                    |                                  |                                                                                                                                  |                  |                |                                    |                   |                   |                                                              |            |          |
| FL 3                                                                                                                                                                                                                                            | Ditching and culvert maintenance | Maintain ditches along publicly owned rights-of-way, and repair or replace culverts to control flooding.                         | Low              | Ongoing        | Structure & Infrastructure Project | CDBG FMSP USDOT   | \$100,000 to \$5M | County Trans Improvement District                            | 1/01/26    | 12/31/30 |
| <b>Note:</b> This is an ongoing project; areas still require attention. Currently there is a lack of available funding.                                                                                                                         |                                  |                                                                                                                                  |                  |                |                                    |                   |                   |                                                              |            |          |
| FL 4                                                                                                                                                                                                                                            | Riverbank stabilization          | Continue to identify and study riverbank stabilization opportunities.                                                            | Medium           | Ongoing        | Structure & Infrastructure Project | USACE NRCS H2Ohio | \$30,000          | NRCS County SWCD                                             | 1/01/26    | 12/31/30 |
| <b>Note:</b> A project is currently underway (design phase) to stabilize 4,000 feet along East Fork Little Miami River, also looking at areas along Obannon Creek.                                                                              |                                  |                                                                                                                                  |                  |                |                                    |                   |                   |                                                              |            |          |
| FL 5                                                                                                                                                                                                                                            | Purchase of flood insurance      | Encourage residents in flood-prone areas to purchase flood insurance.                                                            | Medium           | Ongoing        | Local Plans & Regulations          | ICC               | \$5,000           | CCEMA                                                        | 1/01/26    | 12/31/28 |

| Table 3.2.2 2025 MITIGATION ACTION PLAN – CLERMONT COUNTY                                                                                     |                                                   |                                                                                                                                                                                  |                  |                |                                    |                            |                   |                                         |            |          |
|-----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|----------------|------------------------------------|----------------------------|-------------------|-----------------------------------------|------------|----------|
| Project #                                                                                                                                     | Mitigation Action                                 | Strategy Detail                                                                                                                                                                  | Project Priority | Project Status | Project Type                       | Funding Source             | Estimated Cost    | Project Lead                            | Start Date | End Date |
| <b>Note:</b> Continue to provide education regarding the NFIP, including what is, and is not covered under flood insurance.                   |                                                   |                                                                                                                                                                                  |                  |                |                                    |                            |                   |                                         |            |          |
| FL 6                                                                                                                                          | Flood mitigation                                  | Consider traditional flood mitigation projects such as acquisition and relocation, elevation, etc. of flood-prone properties.                                                    | Low              | Ongoing        | Structure & Infrastructure Project | FMSP<br>HMGP<br>ICC<br>RFC | \$300,000 to \$5M | County Building Department              | 1/01/26    | 12/31/31 |
| <b>Note:</b> Flood mitigation techniques will continue to be conducted as funding is available.                                               |                                                   |                                                                                                                                                                                  |                  |                |                                    |                            |                   |                                         |            |          |
| <b>HAZARDOUS MATERIALS RELEASE</b>                                                                                                            |                                                   |                                                                                                                                                                                  |                  |                |                                    |                            |                   |                                         |            |          |
| HM 1                                                                                                                                          | Emergency exercise                                | Organize an annual emergency drill to prepare for a disaster involving hazardous materials.                                                                                      | Medium           | Ongoing        | Education Program                  | HMEP<br>SERC<br>US DOT     | \$25,000          | Clermont LEPC                           | 1/01/26    | 12/31/30 |
| <b>Note:</b> Drill are conducted annually. A Full-Scale Exercise was scheduled for June 6, 2025, focusing on hazardous materials response.    |                                                   |                                                                                                                                                                                  |                  |                |                                    |                            |                   |                                         |            |          |
| HM 2                                                                                                                                          | SARA Title III, Tier II reporting                 | Continue Tier II reporting from covered facilities per SARA Title III.                                                                                                           | High             | Ongoing        | Local Plans & Regulations          | N/A                        | \$0               | Clermont LEPC                           | 1/01/26    | 12/31/30 |
| <b>Note:</b> Receive Tier II reports from all SARA Title III “Covered Facilities” on March first annually.                                    |                                                   |                                                                                                                                                                                  |                  |                |                                    |                            |                   |                                         |            |          |
| HM 3                                                                                                                                          | Commodity Flow Study                              | Update Commodity Flow Study to identify types and volumes of hazardous materials transported through the county via highway, waterway, pipeline, railway & airway.               | Medium           | Ongoing        | Local Plans & Regulations          | HMEP<br>SERC<br>US DOT     | \$20,000          | Clermont LEPC                           | 1/01/26    | 12/31/27 |
| <b>Note:</b> The county would like to update this plan.                                                                                       |                                                   |                                                                                                                                                                                  |                  |                |                                    |                            |                   |                                         |            |          |
| HM 4                                                                                                                                          | Hazardous waste disposal public outreach campaign | Disseminate public outreach regarding disposal of household hazardous waste.                                                                                                     | High             | Ongoing        | Education Program                  | Local                      | \$5,000           | Clermont LEPC                           | 1/01/26    | 12/31/26 |
| <b>Note:</b> The county maintains a website regarding how to dispose of household hazardous waste and sends out newsletters via social media. |                                                   |                                                                                                                                                                                  |                  |                |                                    |                            |                   |                                         |            |          |
| <b>INVASIVE SPECIES</b>                                                                                                                       |                                                   |                                                                                                                                                                                  |                  |                |                                    |                            |                   |                                         |            |          |
| IS 1                                                                                                                                          | Greenhouse inspections                            | 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. | Medium           | New            | Natural Systems Protection         | SCGB<br>USDA               | \$20,000          | Clermont Public Health<br>OSU Extension | 1/01/26    | 12/31/28 |
| <b>Note:</b> This is a new mitigation project developed during the 2025 update.                                                               |                                                   |                                                                                                                                                                                  |                  |                |                                    |                            |                   |                                         |            |          |

| Table 3.2.2 2025 MITIGATION ACTION PLAN – CLERMONT COUNTY                                                                                                                                                                                                     |                                                 |                                                                                                                                                        |                  |                |                            |                |                |                                      |            |          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|----------------|----------------------------|----------------|----------------|--------------------------------------|------------|----------|
| Project #                                                                                                                                                                                                                                                     | Mitigation Action                               | Strategy Detail                                                                                                                                        | Project Priority | Project Status | Project Type               | Funding Source | Estimated Cost | Project Lead                         | Start Date | End Date |
| IS 2                                                                                                                                                                                                                                                          | Invasive species surveillance                   | Increase surveillance efforts to identify what areas of the region invasive insects (i.e., Box Tree Moth) are inhabiting and where they are traveling. | Medium           | New            | Natural Systems Protection | USDA NRCS      | \$30,000       | Clermont Public Health Park District | 1/01/26    | 12/31/29 |
| <b>Note:</b> This is a new mitigation project developed during the 2025 update.                                                                                                                                                                               |                                                 |                                                                                                                                                        |                  |                |                            |                |                |                                      |            |          |
| IS 3                                                                                                                                                                                                                                                          | Invasive species educational campaign           | Implement an invasive species education program to include hazards, identification, behavior, and quarantine procedures.                               | Medium           | Ongoing        | Education Program          | ODNR           | \$5,000        | OSU Extension Clermont Public Health | 1/01/26    | 12/31/28 |
| <b>Note:</b> Educational information has been sent to include ALB quarantine areas with signage posted, the importance of not moving firewood, removing dead, or dying vegetation. Batavia and Monroe Townships have been delisted from the quarantine areas. |                                                 |                                                                                                                                                        |                  |                |                            |                |                |                                      |            |          |
| IS 4                                                                                                                                                                                                                                                          | Minimizing nutrient runoff                      | Work with agricultural producers to monitor and minimize nutrient runoff to prevent Algal Blooms.                                                      | Low              | Ongoing        | Natural Systems Protection | USDA NRCS      | \$20,000       | Clermont Public Health               | 1/01/26    | 12/31/29 |
| <b>Note:</b> Have worked with several farmers to put conservation practices in-place. Constructed nutrient reduction removal wetland along East Fork in Williamsburg.                                                                                         |                                                 |                                                                                                                                                        |                  |                |                            |                |                |                                      |            |          |
| IS 5                                                                                                                                                                                                                                                          | Infrastructure protection from invasive species | Increase protection efforts for public infrastructure affected by dead/dying vegetation due to invasive species.                                       | Medium           | Ongoing        | Natural Systems Protection | USDA           | \$30,000       | County Engineer                      | 1/01/26    | 12/31/28 |
| <b>Note:</b> This is an ongoing project.                                                                                                                                                                                                                      |                                                 |                                                                                                                                                        |                  |                |                            |                |                |                                      |            |          |
| <b>LANDSLIDE</b>                                                                                                                                                                                                                                              |                                                 |                                                                                                                                                        |                  |                |                            |                |                |                                      |            |          |
| LS 1                                                                                                                                                                                                                                                          | Landslide ordinances                            | Enforce slide-prone area ordinance to limit fill or dumping.                                                                                           | Low              | Ongoing        | Local Plans & Regulations  | Local          | \$20,000       | County Engineer                      | 1/01/26    | 12/31/30 |
| <b>Note:</b> This is an ongoing project.                                                                                                                                                                                                                      |                                                 |                                                                                                                                                        |                  |                |                            |                |                |                                      |            |          |
| LS 2                                                                                                                                                                                                                                                          | Drainage regulations                            | Enforce drainage control regulations to reduce landslide risk.                                                                                         | Low              | Ongoing        | Local Plans & Regulations  | Local          | \$20,000       | County Building Dept.                | 1/01/26    | 12/31/30 |
| <b>Note:</b> Property owners must produce plans illustrating how they will reduce landslide risk.                                                                                                                                                             |                                                 |                                                                                                                                                        |                  |                |                            |                |                |                                      |            |          |
| LS 3                                                                                                                                                                                                                                                          | Sanitary system codes                           | Implement Sanitary System Codes limiting the type and location of sanitary systems in slide-prone areas to reduce drainage in those areas.             | Low              | Ongoing        | Local Plans & Regulations  | Local          | \$10,000       | Clermont Public Health               | 1/01/26    | 12/31/30 |
| <b>Note:</b> This is an ongoing project; there are local sewage treatment rules in place.                                                                                                                                                                     |                                                 |                                                                                                                                                        |                  |                |                            |                |                |                                      |            |          |

| Table 3.2.2 2025 MITIGATION ACTION PLAN – CLERMONT COUNTY                                                 |                              |                                                                                                                                        |                  |                |                                    |                  |                   |                                           |            |          |
|-----------------------------------------------------------------------------------------------------------|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|------------------|----------------|------------------------------------|------------------|-------------------|-------------------------------------------|------------|----------|
| Project #                                                                                                 | Mitigation Action            | Strategy Detail                                                                                                                        | Project Priority | Project Status | Project Type                       | Funding Source   | Estimated Cost    | Project Lead                              | Start Date | End Date |
| LS 4                                                                                                      | Landslide awareness campaign | Provide mitigation guidance to property owners on site stabilization, energy dissipation, and flow control measures.                   | Medium           | Ongoing        | Education Program                  | Local            | \$5,000           | Clermont SWCD County Building Dept.       | 1/01/26    | 12/31/28 |
| <b>Note:</b> This is an ongoing project.                                                                  |                              |                                                                                                                                        |                  |                |                                    |                  |                   |                                           |            |          |
| LS 5                                                                                                      | Landslide containment        | Install catch-fall nets made of high tensile steel wire mesh in known and potential landslide areas along transportation routes.       | Medium           | Ongoing        | Structure & Infrastructure Project | US DOT ODOT      | \$50,000 to \$10M | ODOT Clermont Trans. Improvement District | 1/01/26    | 12/31/30 |
| <b>Note:</b> This is an ongoing project; there is currently a lack of funding to initiate these projects. |                              |                                                                                                                                        |                  |                |                                    |                  |                   |                                           |            |          |
| LS 6                                                                                                      | Landslide control measures   | Implement debris-flow measures (i.e., stabilization, energy dissipation, flow control measures) to reduce damage in slide-prone areas. | Low              | Ongoing        | Structure & Infrastructure Project | STRLF US DOT     | \$20,000 to \$20M | Clermont SWCD County Engineer             | 1/01/26    | 12/31/30 |
| <b>Note:</b> This is an ongoing project; work has been completed along Bradberry.                         |                              |                                                                                                                                        |                  |                |                                    |                  |                   |                                           |            |          |
| LS 7                                                                                                      | Sloping techniques           | Implement grading and sloping techniques to increase slope stability.                                                                  | Low              | Ongoing        | Structure & Infrastructure Project | ODOT US DOT      | \$10,000 to \$5M  | County Engineer                           | 1/01/26    | 12/31/30 |
| <b>Note:</b> This project has not been initiated due to lack of current funding.                          |                              |                                                                                                                                        |                  |                |                                    |                  |                   |                                           |            |          |
| LS 8                                                                                                      | Soil stabilization           | Consider vegetation placement and management plans to increase soil stability.                                                         | High             | Ongoing        | Natural Systems Protection         | US DOT NRCS ODNR | \$30,000          | Clermont SWCD County Engineer             | 1/01/26    | 12/31/30 |
| <b>Note:</b> This project has not been initiated.                                                         |                              |                                                                                                                                        |                  |                |                                    |                  |                   |                                           |            |          |
| LS 9                                                                                                      | Utility protection           | Place future utilities outside of landslide prone areas to decrease service disruptions.                                               | Medium           | Ongoing        | Local Plans & Regulations          | CDBG HMGP        | Unknown           | Utility Providers                         | 1/01/26    | 12/31/30 |
| <b>Note:</b> Portion of a new gas line does traverse through a landslide prone area.                      |                              |                                                                                                                                        |                  |                |                                    |                  |                   |                                           |            |          |
| <b>PUBLIC HEALTH EMERGENCIES</b>                                                                          |                              |                                                                                                                                        |                  |                |                                    |                  |                   |                                           |            |          |
| PH 1                                                                                                      | Public health emergencies    | Disseminate periodic outreach material to all participating                                                                            | High             | New            | Education Program                  | Local            | \$5,000           | Clermont Public Health                    | 1/01/26    | 12/31/30 |

| Table 3.2.2 2025 MITIGATION ACTION PLAN – CLERMONT COUNTY                                                                                                                                                                  |                                          |                                                                                                                                                                                  |                  |                |                           |                    |                |                        |            |          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|----------------|---------------------------|--------------------|----------------|------------------------|------------|----------|
| Project #                                                                                                                                                                                                                  | Mitigation Action                        | Strategy Detail                                                                                                                                                                  | Project Priority | Project Status | Project Type              | Funding Source     | Estimated Cost | Project Lead           | Start Date | End Date |
|                                                                                                                                                                                                                            | awareness campaign                       | jurisdictions providing information on public health emergencies.                                                                                                                |                  |                |                           |                    |                |                        |            |          |
| <b>Note:</b> This is a new mitigation project developed during the 2025 update.                                                                                                                                            |                                          |                                                                                                                                                                                  |                  |                |                           |                    |                |                        |            |          |
| PH 2                                                                                                                                                                                                                       | Opioid recovery resources                | Increase opioid prevention and recovery resources (i.e., increase availability of Naloxone and other detox capabilities).                                                        | Low              | New            | Local Plans & Regulations | HSGP HPP           | \$100,000      | Clermont Public Health | 1/01/26    | 12/31/28 |
| <b>Note:</b> This is a new mitigation project developed during the 2025 update.                                                                                                                                            |                                          |                                                                                                                                                                                  |                  |                |                           |                    |                |                        |            |          |
| <b>SEVERE SUMMER WEATHER</b>                                                                                                                                                                                               |                                          |                                                                                                                                                                                  |                  |                |                           |                    |                |                        |            |          |
| SS 1                                                                                                                                                                                                                       | Severe weather alerts                    | Providing multiple means of disseminating severe weather notifications, (i.e., weather radios, smart phone apps, social media feeds, registration to a mass notification system. | High             | Ongoing        | Local Plans & Regulations | Local              | \$75,000       | CEEMA                  | 1/01/26    | 12/31/29 |
| <b>Note:</b> Still working to develop multiple means of disseminating mass notifications. Develop a comprehensive plan on use of Code Red.                                                                                 |                                          |                                                                                                                                                                                  |                  |                |                           |                    |                |                        |            |          |
| SS2                                                                                                                                                                                                                        | Debris clearing SOG                      | Create a SOG for the timely clearing of storm debris from roadways.                                                                                                              | Medium           | Ongoing        | Local Plans & Regulations | HMGP FEMA PA Grant | \$30,000       | County Engineer        | 1/01/26    | 12/31/28 |
| <b>Note:</b> Portions of a Standard Operating Guideline (SOG) have been developed, there are 27 different public works agencies in the county. There is a need to improve communication and reduce duplication of efforts. |                                          |                                                                                                                                                                                  |                  |                |                           |                    |                |                        |            |          |
| SS 3                                                                                                                                                                                                                       | StormReady certification                 | Maintain StormReady certification.                                                                                                                                               | High             | Ongoing        | Local Plans & Regulations | NWS                | \$2,000        | CEEMA NWS              | 1/01/26    | 12/31/27 |
| <b>Note:</b> The county has received a StormReady certification. The certification was renewed 2/7/2024, there is a desire to continue to renew the certification.                                                         |                                          |                                                                                                                                                                                  |                  |                |                           |                    |                |                        |            |          |
| <b>SEVERE WINTER WEATHER</b>                                                                                                                                                                                               |                                          |                                                                                                                                                                                  |                  |                |                           |                    |                |                        |            |          |
| SW 1                                                                                                                                                                                                                       | Winter weather public awareness campaign | Disseminate public education material on winter weather safety, to include family and traveler emergency preparedness, driver safety, and animal protection.                     | High             | Ongoing        | Education Program         | Local              | \$5,000        | CEEMA                  | 1/01/26    | 12/31/27 |
| <b>Note:</b> Send out a Be Ready campaign annually around the new year.                                                                                                                                                    |                                          |                                                                                                                                                                                  |                  |                |                           |                    |                |                        |            |          |

| Table 3.2.2 2025 MITIGATION ACTION PLAN – CLERMONT COUNTY                                                                                                          |                               |                                                                                                                                                       |                  |                |                                    |                |                      |                       |            |          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|----------------|------------------------------------|----------------|----------------------|-----------------------|------------|----------|
| Project #                                                                                                                                                          | Mitigation Action             | Strategy Detail                                                                                                                                       | Project Priority | Project Status | Project Type                       | Funding Source | Estimated Cost       | Project Lead          | Start Date | End Date |
| <b>TERRORISM / CIVIL DISTURBANCE</b>                                                                                                                               |                               |                                                                                                                                                       |                  |                |                                    |                |                      |                       |            |          |
| TR 1                                                                                                                                                               | Target hardening              | Encourage critical infrastructure to implement protective measures and target hardening techniques at their facilities.                               | Low              | Ongoing        | Local Plans & Regulations          | HSGP           | \$30,000 to \$10M    | Sheriff's Dept. CCEMA | 1/01/26    | 12/31/30 |
| <b>Note:</b> Water and wastewater facilities have developed contingency plans.                                                                                     |                               |                                                                                                                                                       |                  |                |                                    |                |                      |                       |            |          |
| TR 2                                                                                                                                                               | Mass gatherings safety        | Coordinate with law enforcement to ensure safety at mass gathering events.                                                                            | High             | Ongoing        | Local Plans & Regulations          | HSGP           | \$5,000 to \$100,000 | Sheriff's Dept.       | 1/01/26    | 12/31/30 |
| <b>Note:</b> Continually work with local law enforcement agencies to develop Incident Action Plans (IAPs) as required, to include for the county fair.             |                               |                                                                                                                                                       |                  |                |                                    |                |                      |                       |            |          |
| TR 3                                                                                                                                                               | Active assailant preparedness | Provide guidance to schools, churches, government agencies, health care facilities, and other critical facilities regarding active assailant threats. | Low              | Ongoing        | Local Plans & Regulations          | HSGP           | \$50,000             | Sheriff's Dept. CCEMA | 1/01/26    | 12/31/28 |
| <b>Note:</b> Continually work with several organizations to assist in the development of plans as well as response to active assailant threats.                    |                               |                                                                                                                                                       |                  |                |                                    |                |                      |                       |            |          |
| <b>TORNADO</b>                                                                                                                                                     |                               |                                                                                                                                                       |                  |                |                                    |                |                      |                       |            |          |
| TD 1                                                                                                                                                               | Tornado sirens                | Coordinate with local communities to conduct an assessment of the outdoor warning system.                                                             | Medium           | New            | Structure & Infrastructure Project | HMGP Local     | \$20,000/ per siren  | CCEMA                 | 1/01/26    | 12/31/28 |
| <b>Note:</b> The county Department of Public Safety Services (DPSS) activates the sirens. Individual jurisdictions own and are responsible to maintain the sirens. |                               |                                                                                                                                                       |                  |                |                                    |                |                      |                       |            |          |
| <b>UTILITY FAILURE – DRY DAY</b>                                                                                                                                   |                               |                                                                                                                                                       |                  |                |                                    |                |                      |                       |            |          |
| UF 1                                                                                                                                                               | Tree trimming                 | Increase frequency of tree trimming along township roads and utility rights-of-way.                                                                   | Medium           | Ongoing        | Natural Systems Protection         | PUCO           | \$10,000             | Utility Provider      | 1/01/26    |          |
| <b>Note:</b> Duke Energy's Vegetation Team does conduct regular tree trimming cycles for transmission and distribution lines.                                      |                               |                                                                                                                                                       |                  |                |                                    |                |                      |                       |            |          |
| UF 2                                                                                                                                                               | COOP plans                    | Encourage critical facilities to develop Continuity of Operations Plans (COOPs).                                                                      | Medium           | New            | Local Plans & Regulations          | HSGP           | \$25,000             | Critical Facilities   | 1/01/26    |          |
| <b>Note:</b> This is a new mitigation project developed during the 2025 update.                                                                                    |                               |                                                                                                                                                       |                  |                |                                    |                |                      |                       |            |          |

| Table 3.2.2 2025 MITIGATION ACTION PLAN – CLERMONT COUNTY |                                                                                                                                                                                                                                    |                                                                                         |                  |                |                   |                |                |                   |            |          |
|-----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|------------------|----------------|-------------------|----------------|----------------|-------------------|------------|----------|
| Project #                                                 | Mitigation Action                                                                                                                                                                                                                  | Strategy Detail                                                                         | Project Priority | Project Status | Project Type      | Funding Source | Estimated Cost | Project Lead      | Start Date | End Date |
| <b>WILDFIRE</b>                                           |                                                                                                                                                                                                                                    |                                                                                         |                  |                |                   |                |                |                   |            |          |
| WF 1                                                      | Wildfire public education campaign                                                                                                                                                                                                 | Promote public education on smoking hazards, recreational fires, and red flag warnings. | Medium           | Ongoing        | Education Program | Local          | \$5,000        | Local Fire Depts. | 1/01/26    | 12/31/27 |
| <b>Note:</b>                                              | Information is distributed annually by Ohio Division of Forestry, OEPA and NWS. The county also regularly shares red flag warnings on social media. There has been an increase in red flag warnings over the past couple of years. |                                                                                         |                  |                |                   |                |                |                   |            |          |

| Table 3.2.3 2025 MITIGATION ACTION PLAN – JURISDICTIONS |                                                                    |                                                                                                              |                  |                |                                    |                |                |                      |            |          |
|---------------------------------------------------------|--------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|------------------|----------------|------------------------------------|----------------|----------------|----------------------|------------|----------|
| Project #                                               | Mitigation Action                                                  | Strategy Detail                                                                                              | Project Priority | Project Status | Project Type                       | Funding Source | Estimated Cost | Project Lead         | Start Date | End Date |
| BATAVIA VILLAGE                                         |                                                                    |                                                                                                              |                  |                |                                    |                |                |                      |            |          |
| BV-FL1                                                  | Stormwater management                                              | Improve stormwater management systems to decrease urban flooding.                                            | High             | New            | Structure & Infrastructure Project | CDBG FMSP HMGP | \$500K to \$1M | System Owner         | 1/01/26    | 12/31/30 |
| Note:                                                   | This is a new mitigation project developed during the 2025 update. |                                                                                                              |                  |                |                                    |                |                |                      |            |          |
| BV-LS1                                                  | Sloping techniques                                                 | Implement grading and sloping techniques to increase slope stability at SR 32 ramp.                          | Low              | New            | Structure & Infrastructure Project | ODOT USDOT     | \$75,000       | Village Public Works | 1/01/26    | 12/31/30 |
| Note:                                                   | This is a new mitigation project developed during the 2025 update. |                                                                                                              |                  |                |                                    |                |                |                      |            |          |
| BETHEL VILLAGE                                          |                                                                    |                                                                                                              |                  |                |                                    |                |                |                      |            |          |
| BTV-IS1                                                 | Invasive species educational campaign                              | Provide educational materials regarding methods to prevent the spread of invasive species.                   | High             | New            | Education Program                  | Local          | \$5,000        | Village Council      | 1/01/26    | 12/31/28 |
| Note:                                                   | This is a new mitigation project developed during the 2025 update. |                                                                                                              |                  |                |                                    |                |                |                      |            |          |
| CHILO VILLAGE                                           |                                                                    |                                                                                                              |                  |                |                                    |                |                |                      |            |          |
| CV-FL1                                                  | Ditching & culvert maintenance                                     | Maintain ditches, increase culverts at low spot along SR 222 near park (intersection of Washington / Green). | Medium           | New            | Structure & Infrastructure Project | FMSP           | \$200,000      | Village Trustees     | 1/01/26    | 12/31/30 |
| Note:                                                   | This is a new mitigation project developed during the 2025 update. |                                                                                                              |                  |                |                                    |                |                |                      |            |          |

| Table 3.2.3 2025 MITIGATION ACTION PLAN – JURISDICTIONS                                                                           |                          |                                                                                                                       |                  |                |                                    |                  |                |                  |            |          |
|-----------------------------------------------------------------------------------------------------------------------------------|--------------------------|-----------------------------------------------------------------------------------------------------------------------|------------------|----------------|------------------------------------|------------------|----------------|------------------|------------|----------|
| Project #                                                                                                                         | Mitigation Action        | Strategy Detail                                                                                                       | Project Priority | Project Status | Project Type                       | Funding Source   | Estimated Cost | Project Lead     | Start Date | End Date |
| <b>FELICITY VILLAGE</b>                                                                                                           |                          |                                                                                                                       |                  |                |                                    |                  |                |                  |            |          |
| FV-ET1                                                                                                                            | Waterline insulation     | Install insulation or heat trace on vulnerable waterlines to prevent bursting pipes.                                  | Low              | New            | Structure & Infrastructure Project | Local CDBG       | \$200,000      | System Owner     | 1/01/26    | 12/31/30 |
| <b>Note:</b> This is a new mitigation project developed during the 2025 update.                                                   |                          |                                                                                                                       |                  |                |                                    |                  |                |                  |            |          |
| <b>MOSCOW VILLAGE</b>                                                                                                             |                          |                                                                                                                       |                  |                |                                    |                  |                |                  |            |          |
| MV-LS1                                                                                                                            | Riverbank stabilization  | Conduct riverbank stabilization projects along village owned property along Water Street to slow and prevent erosion. | High             | New            | Structure & Infrastructure Project | FMSP NRCS        | \$5M           | Village Council  | 1/01/26    | 12/31/30 |
| <b>Note:</b> This is a new mitigation project developed during the 2025 update. Erosion is starting to impact Moscow Spur Bridge. |                          |                                                                                                                       |                  |                |                                    |                  |                |                  |            |          |
| MV-TD1                                                                                                                            | Tornado shelters         | Construct tornado shelters were feasible.                                                                             | Medium           | New            | Structure & Infrastructure Project | HMGP OSRRP       | \$750,000      | Village Council  | 1/01/26    | 12/31/30 |
| <b>Note:</b> This is a new mitigation project developed during the 2025 update. OSRRP – Ohio Safe Room Rebate Program             |                          |                                                                                                                       |                  |                |                                    |                  |                |                  |            |          |
| <b>NEVILLE VILLAGE</b>                                                                                                            |                          |                                                                                                                       |                  |                |                                    |                  |                |                  |            |          |
| NV-FL1                                                                                                                            | Roadway elevation        | Elevate a short segment of US Route 52 on the west side of the village.                                               | Low              | New            | Structure & Infrastructure Project | FMSP STRLF USDOT | \$3M           | Village Trustees | 1/01/26    | 12/31/30 |
| <b>Note:</b> This is a new mitigation project developed during the 2025 update.                                                   |                          |                                                                                                                       |                  |                |                                    |                  |                |                  |            |          |
| NV-LS1                                                                                                                            | Streambank stabilization | Conduct streambank stabilization project along a portion of Neville Penn School House Road.                           | Medium           | New            | Structure & Infrastructure Project | NRCS USDOT       | \$500,000      | Village Trustees | 1/01/26    | 12/31/30 |
| <b>Note:</b> This is a new mitigation project developed during the 2025 update.                                                   |                          |                                                                                                                       |                  |                |                                    |                  |                |                  |            |          |
| NV-FL2                                                                                                                            | Maintaining green space  | Obtain financial assistance to maintain established green space in perpetuity.                                        | High             | New            | Natural Systems Protection         | HMGP ICC         | \$300,000      | Village Trustees | 1/01/26    | 12/31/30 |
| <b>Note:</b> This is a new mitigation project developed during the 2025 update.                                                   |                          |                                                                                                                       |                  |                |                                    |                  |                |                  |            |          |
| <b>NEW RICHMOND VILLAGE</b>                                                                                                       |                          |                                                                                                                       |                  |                |                                    |                  |                |                  |            |          |
| NRV-ET1                                                                                                                           | Waterline insulation     | Install insulation or heat trace on vulnerable waterlines to prevent bursting pipes.                                  | Low              | New            | Structure & Infrastructure Project | Local CDBG       | \$200,000      | System Owner     | 1/01/26    | 12/31/30 |

| Table 3.2.3 2025 MITIGATION ACTION PLAN – JURISDICTIONS |                                                                                    |                                                                                                                                                                     |                  |                |                                    |                            |                     |                                                  |            |          |
|---------------------------------------------------------|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|----------------|------------------------------------|----------------------------|---------------------|--------------------------------------------------|------------|----------|
| Project #                                               | Mitigation Action                                                                  | Strategy Detail                                                                                                                                                     | Project Priority | Project Status | Project Type                       | Funding Source             | Estimated Cost      | Project Lead                                     | Start Date | End Date |
| <b>Note:</b>                                            | This is a new mitigation project developed during the 2025 update.                 |                                                                                                                                                                     |                  |                |                                    |                            |                     |                                                  |            |          |
| NRV-FL1                                                 | Flood mitigation                                                                   | Consider traditional flood mitigation projects such as acquisition and relocation, elevation, etc. of flood-prone properties.                                       | Low              | Ongoing        | Structure & Infrastructure Project | FMSP<br>HMGP<br>ICC<br>RFC | \$200,000 to \$1.5M | Village Administrator                            | 1/01/26    | 12/31/31 |
| <b>Note:</b>                                            | Flood mitigation techniques will continue to be conducted as funding is available. |                                                                                                                                                                     |                  |                |                                    |                            |                     |                                                  |            |          |
| OWENSVILLE VILLAGE                                      |                                                                                    |                                                                                                                                                                     |                  |                |                                    |                            |                     |                                                  |            |          |
| OV-FL1                                                  | Stormwater management                                                              | Evaluate and improve existing stormwater management system (i.e., undersized storm sewers, lack of and undersized culverts) on North Broadway.                      | Medium           | New            | Structure & Infrastructure Project | CDBG<br>FMSP               | \$800,000           | Village Council                                  | 1/01/26    | 12/31/30 |
| <b>Note:</b>                                            | This is a new mitigation project developed during the 2025 update.                 |                                                                                                                                                                     |                  |                |                                    |                            |                     |                                                  |            |          |
| OV-DR1                                                  | Water storage                                                                      | Increase water storage capacity within the village for use by local farmers during extreme drought.                                                                 | Medium           | New            | Structure & Infrastructure Project | USDA<br>NRCS               | \$1M                | Village Council                                  | 1/01/26    | 12/31/30 |
| <b>Note:</b>                                            | This is a new mitigation project developed during the 2025 update.                 |                                                                                                                                                                     |                  |                |                                    |                            |                     |                                                  |            |          |
| WILLIAMSBURG VILLAGE                                    |                                                                                    |                                                                                                                                                                     |                  |                |                                    |                            |                     |                                                  |            |          |
| WV-FL1                                                  | Flood mitigation                                                                   | Consider traditional flood mitigation projects such as acquisition and relocation, elevation, etc. of flood-prone properties.                                       | Low              | Ongoing        | Structure & Infrastructure Project | FMSP<br>HMGP<br>ICC<br>RFC | \$200,000 to \$1.5M | Co. Building Department<br>Village Administrator | 1/01/26    | 12/31/31 |
| <b>Note:</b>                                            | Flood mitigation techniques will continue to be conducted as funding is available. |                                                                                                                                                                     |                  |                |                                    |                            |                     |                                                  |            |          |
| MILFORD CITY                                            |                                                                                    |                                                                                                                                                                     |                  |                |                                    |                            |                     |                                                  |            |          |
| MC-FL1                                                  | Stormwater management                                                              | Evaluate and improve existing stormwater management system (i.e., undersized storm sewers, lack of and undersized culverts) in areas around the Little Miami River. | Medium           | New            | Structure & Infrastructure Project | CDBG<br>FMSP               | \$2M                | City Public Works                                | 1/01/26    | 12/31/30 |
| <b>Note:</b>                                            | This is a new mitigation project developed during the 2025 update.                 |                                                                                                                                                                     |                  |                |                                    |                            |                     |                                                  |            |          |

| Table 3.2.3 2025 MITIGATION ACTION PLAN – JURISDICTIONS |                                                                    |                                                                                                                                                                     |                  |                |                                    |                |                |                           |            |          |
|---------------------------------------------------------|--------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|----------------|------------------------------------|----------------|----------------|---------------------------|------------|----------|
| Project #                                               | Mitigation Action                                                  | Strategy Detail                                                                                                                                                     | Project Priority | Project Status | Project Type                       | Funding Source | Estimated Cost | Project Lead              | Start Date | End Date |
| BATAVIA TOWNSHIP                                        |                                                                    |                                                                                                                                                                     |                  |                |                                    |                |                |                           |            |          |
| BT-FL1                                                  | Ditching & culvert maintenance                                     | Maintain ditches, increase culverts along segments of Shayler Run.                                                                                                  | Medium           | New            | Structure & Infrastructure Project | FMSP           | \$75,000       | Township Trustees         | 1/01/26    | 12/31/30 |
| Note:                                                   | This is a new mitigation project developed during the 2025 update. |                                                                                                                                                                     |                  |                |                                    |                |                |                           |            |          |
| BT-LS1                                                  | Landslide containment                                              | Install catch-fall nets made of high tensile steel wire mesh along segments of Greenbrier Rd, Summit Rd, SR 222, SR 132, and old SR 32                              | Medium           | New            | Structure & Infrastructure Project | US DOT ODOT    | \$1M to \$3M   | Co. Engineer ODOT         | 1/01/26    | 12/31/30 |
| Note:                                                   | This is a new mitigation project developed during the 2025 update. |                                                                                                                                                                     |                  |                |                                    |                |                |                           |            |          |
| GOSHEN TOWNSHIP                                         |                                                                    |                                                                                                                                                                     |                  |                |                                    |                |                |                           |            |          |
| GT-IS1                                                  | Controlling bamboo spread                                          | Utilize physical barriers, cutting, and chemical application to control the spread of yellow groove bamboo.                                                         | Medium           | New            | Natural Systems Protection         | ODNR NRCS      | \$100,000      | Township Trustees OSU Ex. | 1/01/26    | 12/31/30 |
| Note:                                                   | This is a new mitigation project developed during the 2025 update. |                                                                                                                                                                     |                  |                |                                    |                |                |                           |            |          |
| JACKSON TOWNSHIP                                        |                                                                    |                                                                                                                                                                     |                  |                |                                    |                |                |                           |            |          |
| JT-DR1                                                  | Water storage                                                      | Construct on-farm water storage systems to capture and hold water for use during dry periods.                                                                       | Medium           | New            | Structure & Infrastructure Project | USDA NRCS      | \$50,000       | Township Trustees         | 1/01/26    | 12/31/30 |
| Note:                                                   | This is a new mitigation project developed during the 2025 update. |                                                                                                                                                                     |                  |                |                                    |                |                |                           |            |          |
| MIAMI TOWNSHIP                                          |                                                                    |                                                                                                                                                                     |                  |                |                                    |                |                |                           |            |          |
| MIT-FL1                                                 | Stormwater management                                              | Evaluate and improve existing stormwater management system (i.e., undersized storm sewers, lack of and undersized culverts) on segments of Branch-Hill-Loveland Rd. | High             | New            | Structure & Infrastructure Project | CDBG FMSP      | \$4M           | Township Trustees         | 1/01/26    | 12/31/30 |
| Note:                                                   | This is a new mitigation project developed during the 2025 update. |                                                                                                                                                                     |                  |                |                                    |                |                |                           |            |          |
| MIT-LS1                                                 | Sloping techniques                                                 | Implement grading and sloping techniques to increase slope stability along roadway segments vulnerable to landslides.                                               | Medium           | New            | Structure & Infrastructure Project | ODOT US DOT    | \$2M           | Township Trustees         | 1/01/26    | 12/31/30 |
| Note:                                                   | This is a new mitigation project developed during the 2025 update. |                                                                                                                                                                     |                  |                |                                    |                |                |                           |            |          |

| Table 3.2.32025 MITIGATION ACTION PLAN – JURISDICTIONS |                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                   |                  |                |                                    |                    |                   |                   |            |          |
|--------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|----------------|------------------------------------|--------------------|-------------------|-------------------|------------|----------|
| Project #                                              | Mitigation Action                                                                                                                                                                                                        | Strategy Detail                                                                                                                                                                                                                                                                   | Project Priority | Project Status | Project Type                       | Funding Source     | Estimated Cost    | Project Lead      | Start Date | End Date |
| MONROE TOWNSHIP                                        |                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                   |                  |                |                                    |                    |                   |                   |            |          |
| MRT-FL1                                                | Roadway elevation                                                                                                                                                                                                        | Elevate a short segment of US Route 52 to prevent roadway flooding from Ohio River floods..                                                                                                                                                                                       | Low              | New            | Structure & Infrastructure Project | FMSP STRLF USDOT   | \$5M              | Township Trustees | 1/01/26    | 12/31/30 |
| Note:                                                  | This is a new mitigation project developed during the 2025 update.                                                                                                                                                       |                                                                                                                                                                                                                                                                                   |                  |                |                                    |                    |                   |                   |            |          |
| OHIO TOWNSHIP                                          |                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                   |                  |                |                                    |                    |                   |                   |            |          |
| OT-FL1                                                 | Roadway elevation                                                                                                                                                                                                        | Elevate a short segment of SR 132 to prevent roadway flooding from Ohio River floods.                                                                                                                                                                                             | Low              | New            | Structure & Infrastructure Project | FMSP STRLF USDOT   | \$3M              | Township Trustees | 1/01/26    | 12/31/30 |
| Note:                                                  | This is a new mitigation project developed during the 2025 update.                                                                                                                                                       |                                                                                                                                                                                                                                                                                   |                  |                |                                    |                    |                   |                   |            |          |
| PIERCE TOWNSHIP                                        |                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                   |                  |                |                                    |                    |                   |                   |            |          |
| PT-LS1                                                 | Landslide control measures                                                                                                                                                                                               | Implement debris-flow measures (i.e., stabilization, energy dissipation, flow control measures) to reduce damage in slide-prone areas (i.e., housing development in southern portion of the township, Slaven Rd., Hopper Hill Rd., SR 749, Nine-Mile Tabasco Rd., and Concord Rd. | High             | New            | Structure & Infrastructure Project | STRLF USACE US DOT | \$20,000 to \$20M | Township Trustees | 1/01/26    | 12/31/30 |
| Note:                                                  | This is a new mitigation project developed during the 2025 update.                                                                                                                                                       |                                                                                                                                                                                                                                                                                   |                  |                |                                    |                    |                   |                   |            |          |
| STONELICK TOWNSHIP                                     |                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                   |                  |                |                                    |                    |                   |                   |            |          |
| ST-FL1                                                 | Ditching & culvert maintenance                                                                                                                                                                                           | Maintain ditches, increase culverts at low spot along impacted roadways.                                                                                                                                                                                                          | Medium           | New            | Structure & Infrastructure Project | FMSP US DOT        | \$200,000         | Township Trustees | 1/01/26    | 12/31/30 |
| Note:                                                  | This is a new mitigation project developed during the 2025 update. Impacted roadways include Stonelick Williams Corner Road, Stonelick Olive Branch Road, Titus Road, Wilshire Circle Road, Owens Lane, and Goshen Road. |                                                                                                                                                                                                                                                                                   |                  |                |                                    |                    |                   |                   |            |          |
| TATE TOWNSHIP                                          |                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                   |                  |                |                                    |                    |                   |                   |            |          |
| TT-UF1                                                 | Electrical grid modernization                                                                                                                                                                                            | Modernize existing electrical grid and infrastructure with smart grid technology, replace conductors and transformers.                                                                                                                                                            | Medium           | New            | Structure & Infrastructure Project | GRIP EIR ERA       | \$5M              | Township Trustees | 1/01/26    | 12/31/30 |

| Table 3.2.3 2025 MITIGATION ACTION PLAN – JURISDICTIONS                                                                                               |                               |                                                                                                                              |                  |                |                                    |                  |                |                   |            |          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|------------------------------------------------------------------------------------------------------------------------------|------------------|----------------|------------------------------------|------------------|----------------|-------------------|------------|----------|
| Project #                                                                                                                                             | Mitigation Action             | Strategy Detail                                                                                                              | Project Priority | Project Status | Project Type                       | Funding Source   | Estimated Cost | Project Lead      | Start Date | End Date |
| <b>Note:</b> This is a new mitigation project developed during the 2025 update.                                                                       |                               |                                                                                                                              |                  |                |                                    |                  |                |                   |            |          |
| <b>UNION TOWNSHIP</b>                                                                                                                                 |                               |                                                                                                                              |                  |                |                                    |                  |                |                   |            |          |
| UT-FL1                                                                                                                                                | Stormwater management         | Evaluate and improve existing stormwater management system (i.e., undersized storm sewers, lack of and undersized culverts). | High             | New            | Structure & Infrastructure Project | CDBG FMSP        | \$6M           | Township Trustees | 1/01/26    | 12/31/30 |
| <b>Note:</b> This is a new mitigation project developed during the 2025 update.                                                                       |                               |                                                                                                                              |                  |                |                                    |                  |                |                   |            |          |
| UT-UF1                                                                                                                                                | Electrical grid modernization | Modernize existing electrical grid and infrastructure with smart grid technology, replace conductors and transformers.       | Medium           | New            | Structure & Infrastructure Project | GRIP EIR ERA     | \$5M           | Township Trustees | 1/01/26    | 12/31/30 |
| <b>Note:</b> This is a new mitigation project developed during the 2025 update.                                                                       |                               |                                                                                                                              |                  |                |                                    |                  |                |                   |            |          |
| <b>WAYNE TOWNSHIP</b>                                                                                                                                 |                               |                                                                                                                              |                  |                |                                    |                  |                |                   |            |          |
| WT-FL1                                                                                                                                                | Roadway elevation             | Elevate short segments of roadways to prevent roadway flooding.                                                              | Low              | New            | Structure & Infrastructure Project | FMSP STRLF USDOT | \$8M           | Township Trustees | 1/01/26    | 12/31/30 |
| <b>Note:</b> This is a new mitigation project developed during the 2025 update. Impacted roadways include SR 133, SR 727, Martin Rd., and Shiloh Road |                               |                                                                                                                              |                  |                |                                    |                  |                |                   |            |          |

See Appendix 3 for a list of inactive (i.e., completed, deleted, and deferred) projects.

## **4.0 PLAN MAINTENANCE AND INTEGRATION**

Monitoring, evaluating, and updating this plan is critical to maintaining its value and ensuring the success of Clermont County's hazard mitigation efforts. Effective implementation of mitigation activities creates momentum in the planning process and gives direction for future value. This section explains who will be responsible for maintenance activities and what those responsibilities entail. It also provides a methodology and schedule of maintenance activities, including a description of how the public will have the opportunity to participate on a continuous basis.

## 4.0 PLAN MAINTENANCE AND INTEGRATION

### 4.1 Monitoring, Evaluating, and Updating the Plan

§201.6(c)(4)(i) [The plan maintenance process shall include a] section describing the method and schedule of the monitoring, evaluating, and updating the mitigation plan within a five-year cycle.

For the 2025 update, planning stakeholders elected to start the next formal update earlier in the cycle. Fortunately, the latest version of FEMA’s *Local Mitigation Planning Handbook* (USDHS FEMA, 2025b) includes helpful resources, the most applicable of which appear herein (with modifications for local specificity).

For the 2025-2030 planning cycle, **the Clermont County Emergency Management Agency (CCEMA) will continue to be the custodial agency for the county’s mitigation plan.** In this role, CCEMA will be responsible for maintaining the document, including making it available to participating jurisdictions and the public as well as coordinating with planning stakeholders and convening periodic review meetings. The update process for the next cycle is consistent with FEMA’s “mitigation planning wheel” (see Figure 4.1.a). In Year 1, CCEMA will support the adoption process with all jurisdictions in Clermont County. **Years 2, 3, and 4 provide opportunities to track the progress/status of the mitigation actions identified in Section 3.0 and to evaluate the overall effectiveness of the plan.** In Years 2, 3<sup>1</sup>, and 4, CCEMA will work with the county’s Local Emergency Planning Committee (LEPC) to include the mitigation plan on an agenda for the purpose of reviewing the document. The questions posed in Worksheet #10 below (USDHS FEMA, 2025b, pp. 206-208) will serve as a framework for the

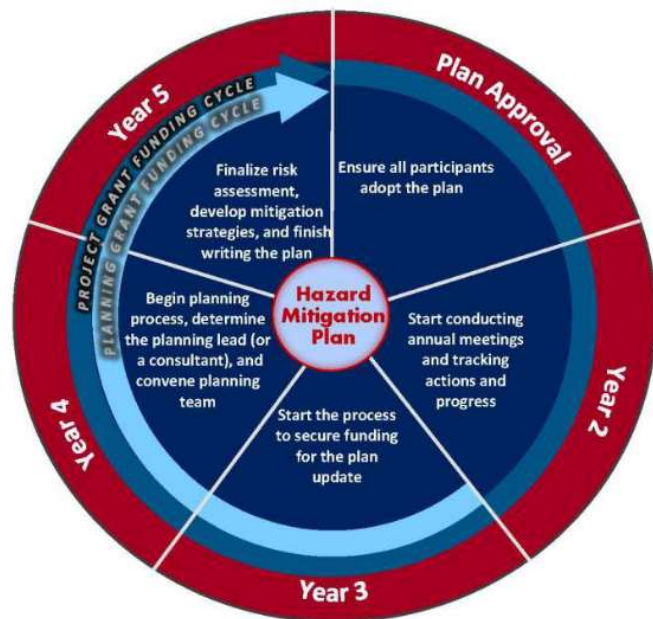


Figure 4.1.a

<sup>1</sup> In Year 3, CCEMA will begin working with the Ohio Emergency Management Agency (OEMA) to identify and secure funding for the next formal update.

mitigation discussion, ensuring that not only do players discuss topics like project status (see Table 4.1.1 below), but also evaluate the plan for its effectiveness.

#### Planning Process

- How have jurisdictions, communities, and agencies helped to carry out mitigation actions?
- Could anything from the initial planning process be more efficient?
- Have there been any changes in public support or priorities about hazard mitigation?
- Is there anything else, process-wise, we should consider?

#### Public Involvement

- Has the public been actively involved in the plan's implementation?
- How can public participation improve?

#### Risk Assessment

- Have there been any recent disaster events? If so, how did they impact the county (and the wider region)?
- Should the list of hazards addressed in the plan be updated? How so?
- Have there been any new issues with hazards in areas of the county?
- Are any new data sources available (e.g., studies, reports, maps, etc.)?
- Do any new critical facilities or infrastructure need to be added to the asset lists?
- Have any changes in development occurred that could create additional risks?
- Does any new development reduce risk?

#### Mitigation Strategy

- Have jurisdictions adopted new policies, plans, regulations, or reports that could support the plan?
- Are there different or new education and outreach programs and resources available for mitigation activities?
- Has NFIP participation changed in any participating jurisdictions?
- Is the mitigation strategy being implemented as expected? What types of issues have communities encountered?
- Are there new projects to consider?
- Should existing mitigation actions be revised or removed from the plan?

- Are there new funding sources to consider?
- Have parts of the plan been worked into other planning mechanisms?

Each participating jurisdiction is responsible for monitoring the implementation of their specific mitigation projects. Tracking the status of mitigation actions can be not only daunting (if a jurisdiction has a long project list) but also confusing, if jurisdictions are not aware of what information (about actions) is helpful. To that end, Worksheet #9 from the *Local Mitigation Planning Handbook* (USDHS FEMA, 2025b, pp. 204-205) can be useful for tracking the *progress* of mitigation actions, both those that a jurisdiction completes and those that have not yet begun. Table 4.1.1 reproduces the table from the handbook.

**Table 4.1.1**

| Project Status/Evaluation Worksheet                            |                                                                                                                                                                                             |
|----------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Category                                                       | Notes                                                                                                                                                                                       |
| Progress Report Period:                                        |                                                                                                                                                                                             |
| Describe the action or project.                                |                                                                                                                                                                                             |
| Who is responsible for the action?                             |                                                                                                                                                                                             |
| Project status:                                                | <input type="checkbox"/> Complete<br><input type="checkbox"/> In progress, anticipated completion date: _____<br><input type="checkbox"/> Not started<br><input type="checkbox"/> Cancelled |
| Has there been any progress with this project so far?          |                                                                                                                                                                                             |
| Are there any obstacles or challenges with this action so far? |                                                                                                                                                                                             |
| What steps do you need to take to complete this project?       |                                                                                                                                                                                             |
| Other comments:                                                |                                                                                                                                                                                             |

Many planning stakeholders also sit on the county's LEPC, which is why stakeholders opted to make an LEPC meeting a venue for the annual hazard mitigation plan review. The LEPC compiles minutes of its meetings, and thus the annual mitigation discussions will be documented.

The goal of the annual planning meetings will be to generate content for the next plan update and educate new stakeholders as they enter the process. Stakeholders could change, and the maintenance meetings offer a prime opportunity to orient new members to what mitigation is, how the plan works, etc. The annual maintenance meetings then support a more critical, in-depth formal update process. One to two weeks before the annual meeting, the CCEMA will provide planning stakeholders with an agenda and other preparatory information. Further, the CCEMA will compile minutes for all meetings.

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

## 4.0 PLAN MAINTENANCE AND INTEGRATION

### 4.2 Implementation through Existing Programs

§201.6(c)(4)(ii)

[The plan shall include a] process by which local governments incorporate the requirements of the mitigation plan into other planning mechanisms such as comprehensive or capital improvement plans, when appropriate.

To date, local policies have not hindered hazard mitigation efforts. The county and several of the participating jurisdictions have utilized a variety of funding sources to complete mitigation projects, including the Hazard Mitigation Grant Program (HMGP), Pre-Disaster Mitigation (PDM) program, the Building Resilience Infrastructure in Communities (BRIC) program, and other related programs such as the Community Development Block Grant (CDBG) and the Emergency Management Performance Grant (EMPG). Five primary existing mechanisms support mitigation in Clermont County: (a) floodplain management, (b) stormwater management, (c) transportation planning, (d) community and economic development, and (e) emergency operations planning. Tables 4.2.1 through 4.2.6 below describes the potential integration of these elements with hazard mitigation in detail.

Perhaps the most directly relevant program is the local effort to comply with the National Flood Insurance Program (NFIP). The county, along with all but three of the participating municipal jurisdictions participate (i.e., the villages of Bethel, Felicity, and Owensville) in the NFIP, which helps to regulate the development that occurs in flood hazard areas. As of September 2025, no Clermont County communities participate in FEMA's Community Rating System (CRS) (FEMA, 2024c). Though this has historically been the case (with the intersection of administrative requirements and in-house capabilities as a barrier), CRS participation remains an opportunity to enhance flood preparedness and mitigation.

**Table 4.2.1**

| Implementation through Existing Programs: Floodplain Management                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Existing Program                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Participating Agencies                                                                                           | Narrative (and Goal Alignment)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Floodplain Management                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <p>Clermont County Building Department</p> <p>Clermont County EMA</p> <p>Municipal Floodplain Administrators</p> | <p>According to FEMA's <i>Community Status Book</i> (current as of 08/21/2025), all jurisdictions in Clermont County (except for Bethel, Felicity, and Owensville) participate in the National Flood Insurance Program (NFIP) and thus maintain floodplain regulations that at least mirror the state's regulations. Jurisdictional "Designated Floodplain Administrators" (DFPAs) enforce ordinances locally. No communities in Clermont County currently participate in the Community Rating System (CRS) program.</p> <p>GOAL ALIGNMENT</p> <p>1. Reduce loss of life and injury from hazard events.</p> <p>6. Identify areas of greatest impact from hazards (e.g., high-water marks, repetitive loss, etc.).</p> <p>11. Provide public awareness on the National Flood Insurance Program (NFIP), grant programs, and safe rooms.</p> |
| <p><u>Specific Integration Action(s)</u></p> <p>Ensure floodplain ordinances are up to date.</p> <p>APPLICABLE JURISDICTIONS: Clermont County, all NFIP participating jurisdictions.</p> <p>When publicizing the requirements associated with the NFIP and floodplain ordinances, use the discussions from this plan to add information about the damage and losses that have been lessened or avoided because of local NFIP compliance.</p> <p>APPLICABLE JURISDICTIONS: Clermont County, all NFIP participating jurisdictions.</p> <p>STATUS: Implementation <u>not</u> previously done; represents an opportunity for the 2025-2030 planning cycle.</p> |                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

As weather systems change and continue to dump hyper-local heavy precipitation, runoff and its impacts become a critical concern. As such, stormwater management planning can be a force multiplier for risk reduction, particularly in developed (or developable) areas.

**Table 4.2.2**

| Implementation through Existing Programs: Stormwater Management                                                                                                                                                                                                                                     |                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Existing Program                                                                                                                                                                                                                                                                                    | Participating Agencies                                                                                                                          | Narrative (and Goal Alignment)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Stormwater Management                                                                                                                                                                                                                                                                               | <p>Clermont County Soil &amp; Water Conservation District</p> <p>Clermont County Engineer's Office</p> <p>Municipal Public Works Department</p> | <p>Stormwater management planning can aid in the identification of site-specific flooding concerns and other water quality issues in a variety of communities. These conversations typically include options for low-impact development to mitigation flood concerns.</p> <ul style="list-style-type: none"> <li>• Address flash flooding during heavy rain events.</li> <li>• Provide justification of need to address stormwater runoff issues.</li> </ul> <p>GOAL ALIGNMENT</p> <ol style="list-style-type: none"> <li>2. Reduce environmental damage from hazard events and protect natural resources.</li> <li>3. Minimize damage to personal and public property.</li> </ol> |
| <p><u>Specific Integration Action(s)</u></p> <p>Track stormwater upgrade projects and assess whether runoff-related flooding decreases in those areas.</p> <p>APPLICABLE JURISDICTIONS: Clermont County, all participating jurisdictions, specifically those experiencing moderate development.</p> |                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

Transportation planning can support risk reduction through the identification of projects designed to eliminate recurrent damage caused by hazard occurrences. Transportation planning can also recognize the potential impacts of infrastructure projects, like runoff generated by paving, etc.

**Table 4.2.3**

| Implementation through Existing Programs: Transportation Planning                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Existing Program                                                                                                                                                                                                                                                                                                                                                                                 | Participating Agencies                                                                                                                                                                  | Narrative (and Goal Alignment)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Transportation Planning                                                                                                                                                                                                                                                                                                                                                                          | Clermont County Engineer's Office<br><br>Clermont County Planning Commission<br><br>Clermont County Transportation Improvement District<br><br>Municipal Street Departments<br><br>ODOT | <ul style="list-style-type: none"> <li>• Designated road projects in plans may increase or maintain access to the county's communities.</li> <li>• Projects may address slips and other issues.</li> <li>• Justify additional (i.e., safety) reasons for bridge/culvert replacements.</li> <li>• Transit options may be a vital means of access and capability for vulnerable populations.</li> </ul> <p>GOAL ALIGNMENT</p> <p>1. Reduce loss of life and injury from hazard events.</p> <p>7. Complete a hazardous materials commodity flow study which includes roads, air, and water transportation.</p> |
| <p><u>Specific Integration Action(s)</u></p> <p>Consider potential blockages of key arterial routes (per dam/levee failures, flooding, landslides, and severe storms) when selecting road or bridge upgrade projects.</p> <p>APPLICABLE PLANS: Clermont County Hazardous Materials Plan, Clermont County Comprehensive Plan, District 8 Active Transportation Plan, Eastern Corridor Program</p> |                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

Finally, as a FEMA-centric effort, many local leaders look at the mitigation planning process as an emergency management effort, which leads to a natural tendency to consider risk reduction through preparedness initiatives. Preparing for a more efficient response can reduce hazard-related losses like property damage (by more quickly stabilizing an incident), injuries and deaths (by responders being better trained to assess and identify problems), etc. In these senses, participating jurisdictions can integrate elements of the risk assessment and mitigation strategy into emergency operations and business continuity planning mechanisms. As an example, the Clermont County Emergency Management Agency (CCEMA) could utilize data from the HAZUS models that appear in the flooding and earthquake profiles in the county's Emergency Operations Plan (EOP).

**Table 4.2.4**

| Implementation through Existing Programs: Emergency Operations Planning                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Existing Program                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Participating Agencies                                                  | Narrative (and Goal Alignment)                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Emergency Operations Planning                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Clermont County Emergency Management Agency<br><br>Clermont County LEPC | <ul style="list-style-type: none"> <li>Method for sharing updated risk data for preparedness purposes</li> <li>Quantify potential impacts of hazards profiled in this plan (that may necessitate a response).</li> </ul> <p>GOAL ALIGNMENT</p> <ol style="list-style-type: none"> <li>1. Reduce loss of life and injury from hazard events.</li> <li>3. Minimize damage to personal and public property</li> <li>6. Identify areas of greatest impact from hazards.</li> </ol> |
| <p><u>Specific Integration Action(s)</u></p> <p>When sponsoring updates to Emergency Operations Plans (EOPs), add brainstorming for risk reduction along with designing response measures.</p> <p>APPLICABLE ENTITIES: CCEMA, whole community partners</p> <p>APPLICABLE PLANS: Clermont County EOP</p> <p>STATUS: Clermont County EMA can integrate National Risk Inventory data from this plan into their EOP.</p> <p>Bring information relevant to other preparedness phase discussions (e.g., Tier II filings for hazardous materials, function, and access needs registries, etc.) to discussions about implementing this plan.</p> <p>APPLICABLE ENTITIES: CCEMA, Clermont County LEPC</p> <p>APPLICABLE PLANS: Clermont County Hazard Mitigation Plan (i.e., 2030 update)</p> <p>STATUS: Implementation <u>not</u> previously done; represents an opportunity for the 2025-2030 planning cycle</p> |                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Public Health Emergency Preparedness (PHEP) Planning                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                         | <ul style="list-style-type: none"> <li>Ensure consistency with risk assessments and response guidelines maintained by the health district</li> <li>Ensure consistency with primary preparedness, response, and recovery measures for public health emergencies</li> </ul>                                                                                                                                                                                                      |
| <p><u>Specific Integration Action(s)</u></p> <p>Continue to utilize information for this plan as a resource for the health department's jurisdictional risk assessment.</p> <p>APPLICABLE ENTITY(IES): Clermont County Health District</p> <p>APPLICABLE PLANS: Community Health Assessment and Community Health Improvement Plan (CHA CHIP)</p> <p>STATUS: During the 2025 update, the county's consultant provided a summary of the risk ranking from Section 2.0 to the CCHD for inclusion in its jurisdictional risk assessment</p>                                                                                                                                                                                                                                                                                                                                                                   |                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

Section 1.3: Capabilities also provides valuable insight into the integration of mitigation activities through existing programs. Zoning codes can be controversial, but in the most basic sense, they simply separate land use into various zones that describe what to build and where (Planetizen, n.d.). Rather than *restrict* all construction on certain parcels, communities may use fundamental zoning concepts to identify *the types of development* that may be suitable for certain tracts of land. Such an approach may not eliminate a risk, but it could lessen the number of properties exposed to a risk. The designation of specific areas as “industrial parks” is an example.

Co-locating industrial facilities yields efficiency benefits for infrastructure access and contains common industrial-centric risks to a relatively small area.

**Table 4.2.5**

| Implementation through Existing Programs: Zoning                                                                                                                                                                                                                                                                                                                                       |                                                                                                                     |                                                                                                                                               |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Planning Initiative</i>                                                                                                                                                                                                                                                                                                                                                             | <i>Mitigation Goal Alignment</i>                                                                                    | <i>Relevance</i>                                                                                                                              |
| Zoning Codes                                                                                                                                                                                                                                                                                                                                                                           | Goal 2 – Reduce environmental damage from hazard events.<br>Goal 6 – Identify areas of greatest impact from hazards | <ul style="list-style-type: none"> <li>Communicate potential risk</li> <li>Suggest implications of being located within risk areas</li> </ul> |
| <u>Specific Integration Action(s)</u><br>Consider whether a basic land classification process would yield a benefit by communicating risks, risk areas, etc.<br>APPLICABLE JURISDICTION(S): Clermont County, all participating jurisdictions with zoning regulations.<br>STATUS: Implementation <u>not</u> previously done; represents an opportunity for the 2025-2030 planning cycle |                                                                                                                     |                                                                                                                                               |

Similarly, additional consideration of the building codes of several participating jurisdictions may offer opportunities to strengthen the actual deployment of mitigation ideas. Simply having a building code in place does not automatically ensure that a community will fare better when a high-probability hazard occurs. Thus, by integrating the data from this plan into the building code conversation, communities may have an opportunity to reduce risk by strengthening elements of a code that would harden structures to the type(s) of damage caused by the county's most probable hazards.

**Table 4.2.6**

| Implementation through Existing Programs: Building Codes                                                                                                                                                                                                                                                                      |                                                                                                                                                                                      |                                                                                                                                                                                                                                                                  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Planning Initiative</i>                                                                                                                                                                                                                                                                                                    | <i>Mitigation Goal Alignment</i>                                                                                                                                                     | <i>Relevance</i>                                                                                                                                                                                                                                                 |
| Building Codes                                                                                                                                                                                                                                                                                                                | Goal 1 – Reduce loss of life and injury from hazard events.<br>Goal 2 – Reduce environmental damage from hazard events.<br>Goal 3 – Minimize damage to personal and public property. | <ul style="list-style-type: none"> <li>Provide parameters for and tangible examples of “resilient construction”</li> <li>Justify the need for and benefit of resilient construction</li> <li>See the “Building Codes” discussion in Section 1.3 above</li> </ul> |
| <u>Specific Integration Action(s)</u><br>Review opportunities to address high-potential impact hazards.<br>APPLICABLE JURISDICTION(S): Clermont County, all participating jurisdictions with building codes.<br>STATUS: Implementation <u>not</u> previously done; represents an opportunity for the 2025-2030 planning cycle |                                                                                                                                                                                      |                                                                                                                                                                                                                                                                  |

## 4.0 PLAN MAINTENANCE AND INTEGRATION

### 4.3 Continued Public Involvement

|                   |                                                                                                                                                    |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| §201.6(c)(4)(iii) | [The plan maintenance process shall include a] discussion on how the community will continue public participation in the plan maintenance process. |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|

All adopting jurisdictions maintain electronic copies of this plan. The county made the plan available for public review and provide comment forms at public library branches during a 30 day comment period. Citizens may also access the plan through the Clermont County Emergency Management Agency (CCEMA). The CCEMA will maintain a copy of the document on its website (see the “Hazard Mitigation Plan (HMP)” link at <https://www.ema.clermontcountyohio.gov>). Though the plan is available at these locations, citizens may not be aware of that availability or understand the nature and purpose of a hazard mitigation plan. As such, additional means of public education and involvement are important.

The CCEMA elected to utilize the county’s LEPC as an administrative and participative venue throughout the five-year planning cycle. LEPC meetings are advertised and open to the public; thus, the public can participate in mitigation planning at times when the LEPC discusses this plan. The CCEMA periodically sponsors education efforts and often collaborates with partner agencies in the county to release public information. Much of this information educates the public about actions to take before an emergency occurs. The CCEMA can modify its content to include basic information about risk reduction.

Additionally, in Year 3 of the cycle, the CCEMA will re-engage the public by distributing an online public survey via websites and social media. During that third year, CCEMA will also offer to deliver presentations to community groups to garner greater public involvement in future updates. The following box includes the base material for that survey (which mimics the “condensed survey” used to gather additional public comment during the 2025 update).

**CLERMONT COUNTY HAZARD MITIGATION PLAN  
ANNUAL PUBLIC SURVEY**

**Please indicate how concerned you are about the following hazards where you live.**

| <u>Hazard</u>               | <u>Not At All Concerned</u> | <u>Somewhat Concerned</u> | <u>Concerned</u>         | <u>Very Concerned</u>    |
|-----------------------------|-----------------------------|---------------------------|--------------------------|--------------------------|
| Cyber Incident              | <input type="checkbox"/>    | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/> |
| Dam & Levee Failure         | <input type="checkbox"/>    | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/> |
| Drought                     | <input type="checkbox"/>    | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/> |
| Earthquake                  | <input type="checkbox"/>    | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/> |
| Extreme Temperatures        | <input type="checkbox"/>    | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/> |
| Flooding                    | <input type="checkbox"/>    | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/> |
| HazMat Release              | <input type="checkbox"/>    | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/> |
| Invasive Species            | <input type="checkbox"/>    | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/> |
| Landslide                   | <input type="checkbox"/>    | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/> |
| Public Health Emergencies   | <input type="checkbox"/>    | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/> |
| Severe Summer Weather       | <input type="checkbox"/>    | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/> |
| Severe Winter Weather       | <input type="checkbox"/>    | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/> |
| Terrorism/Civil Disturbance | <input type="checkbox"/>    | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/> |
| Tornado                     | <input type="checkbox"/>    | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/> |
| Non-Storm Utility Failure   | <input type="checkbox"/>    | <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/> |
| Wildfire                    |                             |                           |                          |                          |

**Of these hazards, which one concerns you the most?** \_\_\_\_\_

**Why does this hazard concern you the most?** \_\_\_\_\_

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**Should we consider any hazards not on the above list? Why?** \_\_\_\_\_

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The following call-out box contains sample press release language the CCEMA may use to draw attention to the Year 3 public survey.

**FOR IMMEDIATE RELEASE**

Clermont County Looking for Input on Reducing Hazard Risks throughout the County

The Clermont County Emergency Management Agency, which is compiling annual updates to the county's hazard mitigation plan, wants residents to know that their voice matters when it comes to risk reduction. That is why the agency is conducting a survey to find out what hazards concern the public the most.

The hazard mitigation plan outlines projects that the cities, villages, and townships in Clermont County can undertake to reduce or eliminate the losses their communities could face should a hazard occur. Losses could be structural, like damage to homes or businesses, or they could include severe injuries. But before local officials can identify projects, they must know what hazards could be most damaging.

The county's existing plan contains a risk assessment that lays out potential impacts from 16 distinct hazards (most of which are naturally occurring). Even though this assessment outlines how frequently these hazards occur and how much damage they have caused in the past, knowing which ones *also significantly concern the public* helps to prioritize the selection and implementation of projects, particularly when funding is limited.

**USE THIS SPACE TO ADD ANYTHING RELEVANT TO THE PROCESS AND SPECIFIC TO THE YEAR THIS IS RELEASED.**

Residents may take the survey online at **ADD LINK**. For those residents who do not have reliable internet access or would like to request additional accommodation, please call 513-732-7664 or visit the EMA office at 2279 Clermont Center Drive, Batavia, OH 45103. Residents may also view the existing hazard mitigation plan on the emergency management agency's website at <https://www.ema.clermontcountyohio.gov>.