

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.
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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 mitigation plan, it outlines the action items or projects for each participating jurisdiction within Columbiana County, and each project identifies the agency responsible for completing the project as well as a general timeline for completion.

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3.1 Mitigation Goals

At the first plan update meeting, the committee members discussed the previous goals for the plan and decided to reduce the number of goals. With these revisions, the committee intends to make the goals comprehensive, rather than based on a single hazard, and apply them to all jurisdictions, as opposed to one. During the second meeting, the committee members reviewed the new goals and established the final list as follows.

1. Ensure the health and safety of first responders and the general population in Columbiana County before, during, and after an emergency event or incident.
2. Promote coordination and partnership of key organizations tasked with maintaining the health and wellbeing of the Columbiana County population.
3. Protect vulnerable populations from negative effects of hazards in Columbiana County.
4. Reduce death, injury, illness, and damage to property, infrastructure (e.g., water/sewer systems, bridges, roadways, levees, and high-hazard dams), and the environment resulting from hazardous events or incidents.
5. Ensure the continued livelihoods of individuals and the community in Columbiana County prior to hazard events or incidents.

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§ 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.

3.2 Mitigation Actions

This section serves as a mitigation action plan to reduce the losses and other impacts Columbiana 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 mission and goals. 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).

Types of Mitigation Actions

There are five primary types of mitigation actions that can work to reduce long-term vulnerability: local plans and regulations, structure and infrastructure projects, natural systems protection, education programs, and preparedness and response activities (Coastal Hazards Research Center & Center for Sustainable Community Design, n.d.).

- **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
 - Capital improvement programs
 - Open space preservation
 - Stormwater 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
 - 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
- **Education Programs:** 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

- 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
- **Preparedness and Response Activities:** Mitigation actions that reduce or eliminate long-term risk are different from actions taken to prepare for or respond to hazard events. Mitigation activities lessen or eliminate the need for preparedness or response resources in the future. When analyzing risks and identifying mitigation actions, the planning team may also identify emergency response or operational preparedness actions.

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.

Prioritization

The committee spent most of Meeting 5 prioritizing mitigation projects. To support prioritization, the consultant distributed the prioritization criteria which the committee had agreed upon during Meeting 3. To determine the prioritization methodology, the consultant presented a set of ten criteria and asked committee members to comment on those criteria. Hearing no requested changes, the consultant distributed a worksheet and instructed each attendee to score the ten criteria by order of importance. The consultant collected the worksheets and averaged the responses to derive a prioritization methodology. The committee permitted tie scores. See Appendix 2 for a summary of the weighting calculations.

In the following tables, lower numbers (e.g., “1”) higher priorities. Thus, for Columbiana County, projects 8.2.1, 6.1.2, 7.1.1 received the same score per the methodology above, the highest scores, and they are Priority 1 projects. Since the committee allowed ties and there are

three Priority 1 projects, the next highest priority ranking that appears is Priority 4. Municipalities priorities their own projects separately per the same methodology.

Jurisdictional Mitigation Actions

The following table lists the active hazard mitigation actions for Columbiana County and the villages and cities that participated in this plan update. These actions have broad applicability and benefit multiple jurisdictions or unincorporated areas.

COLUMBIANA COUNTY ACTIVE MITIGATION PROJECTS		
Project Number	Mitigation Project	Status
HAZARD: FLOODING		
4.1.1	<p>Develop GIS capabilities within the Emergency Management Agency through a MOU with the county using non-local funds.</p> <p>Goal Alignment: 2-Promote coordination and partnership of key organizations tasked with maintaining the health and wellbeing of the Columbiana County population.</p> <p>Action Type: Local Plans & Regulations Coordinating Agency: CCEMA Support Agency(ies): Columbiana County Auditor Timeframe: 1 year Potential Funding Source(s): Local funding Priority: 10</p>	<p>ON-GOING</p> <p>Full parcel data to be completed by end of 2019; need to complete the MOU upon completion.</p>
4.3.1	<p>Integrate site-specific disaster mitigation issues into stormwater planning initiatives, including efforts to eliminate combined sewer overflows (CSOs).</p> <p>Goal Alignment: 4-Reduce death, injury, illness, and damage to property, infrastructure, and the environment resulting from hazardous events or incidents.</p> <p>Action Type: Structure & Infrastructure Projects Coordinating Agency: Municipal utilities departments Support Agency(ies): Columbiana County Engineer's Office Timeframe: 5 years (as funding is available) Potential Funding Source(s): CDBG, SWCD Watershed Program, Clean Water Action Section 319(h) Grants, Surface Water Improvement Fund, Alternative Stormwater Infrastructure Loan Program, Water Pollution Control Load Fund, Local funding Priority: 8</p>	<p>ON-GOING</p> <p>Most stormwater management planning occurs at municipal level. The county does hydraulic analyses when replacing culverts in bridges. However, the committee chose to continue support for this project as a flood mitigation measure.</p>

COLUMBIANA COUNTY ACTIVE MITIGATION PROJECTS		
<i>Project Number</i>	<i>Mitigation Project</i>	<i>Status</i>
4.5.1	<p>Consider installing, re-routing, or increasing the capacity of existing storm drainage systems, which may involve detention and retention ponds.</p> <p>Goal Alignment: 4-Reduce death, injury, illness, and damage to property, infrastructure, and the environment resulting from hazardous events or incidents.</p> <p>Action Type: Structure & Infrastructure Projects Coordinating Agency: Municipal utilities departments Support Agency(ies): Columbiana County Engineer's Office Timeframe: 5 years (as funding is available) Potential Funding Source(s): CDBG, SWCD Watershed Program, Clean Water Action Section 319(h) Grants, Surface Water Improvement Fund, Alternative Stormwater Infrastructure Loan Program, Water Pollution Control Load Fund, Local funding Priority: 8</p>	<p>ON-GOING</p> <p>The committee chose to continue support for this project as a flood mitigation measure.</p>
4.6.1	<p>Acquisition, demolition, and/or retrofit of floodprone properties.</p> <p>Goal Alignment: 5-Ensure the continued livelihoods of individuals and the community in Columbiana County prior to hazard events or incidents.</p> <p>Action Type: Structure & Infrastructure Projects Coordinating Agency: Columbiana County SWCD Support Agency(ies): (a) CCEMA, (b) Participating jurisdictional administrators Timeframe: 5 years (as funding is available) Potential Funding Source(s): PDM, HMGP, Local funding Priority: 7</p>	<p>NEW</p> <p>The committee added this project as part of the 2019 update.</p>
HAZARD: SEVERE WIND / TORNADO		
7.2.2	<p>Purchase generators that can provide auxiliary power to shelters and other critical facilities throughout Columbiana County.</p> <p>Goal Alignment: 3-Protect vulnerable populations from negative effects of hazards in Columbiana County.</p> <p>Action Type: Preparedness & Response Activities Coordinating Agency: CCEMA Support Agency(ies): Participating jurisdictional administrators Timeframe: 5 years (as funding is available) Potential Funding Source(s): HMGP, PDM, Local funding Priority: 5</p>	<p>ON-GOING</p> <p>Completed projects include four fixed generators at public locations in West Twp., Salineville, New Waterford & Guilford Lake. The Health Dept. has 2 portable generators. The committee chose to make this project more general and add "critical facilities" to strategy; note that it has been partially completed per bold comments.</p>

COLUMBIANA COUNTY ACTIVE MITIGATION PROJECTS		
<i>Project Number</i>	<i>Mitigation Project</i>	<i>Status</i>
7.2.5	<p>Construction/installation of community and residential safe rooms. Support efforts in all jurisdictions.</p> <p>Goal Alignment: 1-Ensure the health and safety of first responders and the general population in Columbiana County before, during, and after an emergency event or incident. Action Type: Structure & Infrastructure Projects Coordinating Agency: Mayor/Administrator of all local governments Support Agency(ies): N/A Timeframe: 5 years (as funding is available) Potential Funding Source(s): Ohio Facilities Construction Commission, Local funding Priority: 11</p>	<p>NEW</p> <p>The committee added this project as part of the 2019 update per new regulatory requirements.</p>
HAZARD: SEVERE WINTER STORM		
8.2.1	<p>Maintain a list of sites that could be used as emergency shelters or points of distribution (PODs) throughout Columbiana County.</p> <p>Goal Alignment: 1-Ensure the health and safety of first responders and the general population in Columbiana County before, during, and after an emergency event or incident. Action Type: Preparedness & Response Activities Coordinating Agency: CCEMA Support Agency(ies): (a) Columbiana County Health District, (b) American Red Cross Timeframe: On-going Potential Funding Source(s): Local funding Priority: 1</p>	<p>ON-GOING</p> <p>Leave in the plan per the changes. The health district maintains plans for potential POD sites, and both the CCHD and CCEMA maintain shelter lists.</p>
HAZARD: DAM FAILURE		
1.1.5	<p>Share information provided by dam owners with jurisdictions downstream of high-hazard dams.</p> <p>Goal Alignment: 2-Promote coordination and partnership of key organizations tasked with maintaining the health and wellbeing of the Columbiana County population. Action Type: Local Plans & Regulations Coordinating Agency: CCEMA Support Agency(ies): ODNR Timeframe: On-going Potential Funding Source(s): Local funding Priority: 11</p>	<p>NEW</p> <p>The committee added this project as part of the 2019 update.</p>

COLUMBIANA COUNTY ACTIVE MITIGATION PROJECTS		
Project Number	Mitigation Project	Status
1.1.6	<p>Support rehabilitation projects, as and if necessary, at high-hazard dams.</p> <p>Goal Alignment: 4-Reduce death, injury, illness, and damage to property, infrastructure, and the environment resulting from hazardous events or incidents. Action Type: Structure & Infrastructure Projects Coordinating Agency: CCEMA Support Agency(ies): N/A Timeframe: On-going Potential Funding Source(s): N/A Priority: 13</p>	<p>NEW</p> <p>The committee added this project as part of the 2019 update. There are two primary high-hazard dams in Columbiana County: the Wellsville Reservoir Dam and the Salem Reservoir.</p>
HAZARD: HAZARDOUS MATERIALS INCIDENT		
5.1.1	<p>Conduct a commodity flow study to determine what materials are shipped through the county.</p> <p>Goal Alignment: 1- Ensure the health and safety of first responders and the general population in Columbiana County before, during, and after an emergency event or incident. Action Type: Local Plans & Regulations Coordinating Agency: Columbiana County LEPC Support Agency(ies): CCEMA Timeframe: 5 years (as funding is available) Potential Funding Source(s): PUCO, Local funding Priority: 6</p>	<p>ON-GOING</p> <p>The LEPC regularly applies for funding for hazardous material planning projects. The committee does not have a current commodity flow study.</p>
HAZARD: DROUGHT		
2.1.2	<p>Using a collaborative approach between preparedness partners (e.g., CCEMA, CCHD), periodically push weather and other hazard preparedness information via social media outlets.</p> <p>Goal Alignment: 1- Ensure the health and safety of first responders and the general population in Columbiana County before, during, and after an emergency event or incident. Action Type: Education Programs Coordinating Agency: CCEMA Support Agency(ies): CCHD Timeframe: On-going Potential Funding Source(s): Local funding Priority: 4</p>	<p>ON-GOING</p> <p>The health district pushes this type of information via its social media platforms, as does the CCEMA. There are also links on the CCEMA website with information, but no commenting capability.</p>

COLUMBIANA COUNTY ACTIVE MITIGATION PROJECTS		
Project Number	Mitigation Project	Status
HAZARD: SEVERE THUNDERSTORM / HAIL / LIGHTNING		
6.1.2	<p>Encourage township offices to have a NOAA all-hazard radio to strengthen redundant notification and warning efforts.</p> <p>Goal Alignment: 2-Promote coordination and partnership of key organizations tasked with maintaining the health and wellbeing of the Columbiana County population. Action Type: Preparedness & Response Activities Coordinating Agency: Township trustees Support Agency(ies): CCEMA Timeframe: 5 years Potential Funding Source(s): Local funding Priority: 1</p>	<p>ON-GOING</p> <p>Completed projects include weather radios at the hospital and also at satellite buildings. The Health Dept. has a weather radio. County buildings are also well covered. Update this as a potential township project.</p>
MISCELLANEOUS HAZARDS		
7.1.1	<p>When received from the NWS, use the countywide mass notification system to push weather alerts to residents for all hazards (and particularly weather-related hazards). Ensure additional notification when watches ascend to warnings.</p> <p>Goal Alignment: 1-Ensure the health and safety of first responders and the general population in Columbiana County before, during, and after an emergency event or incident. Action Type: Education Programs Coordinating Agency: CCEMA Support Agency(ies): (a) Columbiana County LEPC, (b) CCHD, (c) Other emergency response organizations, and (d) Participating jurisdictional administrators Timeframe: On-going Potential Funding Source(s): Local funding (for maintenance of subscription to program) Priority: 1</p>	<p>ON-GOING</p> <p>The county opted to consolidate this strategy with other warning strategies and to include its WENS capability as part of the verbiage.</p>

COLUMBIANA ACTIVE MITIGATION PROJECTS		
Project Number	Mitigation Project	Status
1A.1.2	<p>Continue storm sewer improvements throughout the city to help mitigate site-specific flooding when heavy rains occur.</p> <p>Goal Alignment: 4-Reduce death, injury, illness, and damage to property, infrastructure, and the environment resulting from hazardous events or incidents.</p> <p>Action Type: Structure & Infrastructure Projects</p> <p>Coordinating Agency: City Council</p> <p>Support Agency(ies): (a) Columbiana County Commissioners, (b) OMEGA</p> <p>Timeframe: 5 years</p> <p>Potential Funding Source(s): CDBG, Critical infrastructure grant, Local funds</p> <p>Priority: 1</p>	<p>ON-GOING</p> <p>The city received funding for stormwater projects in recent years, but projects remain. The city opted to add this project as part of the 2019 update.</p>
1A.1.3	<p>Acquisition, demolition, and/or retrofit of floodprone properties.</p> <p>Goal Alignment: 5-Ensure the continued livelihoods of individuals and the community in Columbiana County prior to hazard events or incidents.</p> <p>Action Type: Structure & Infrastructure Projects</p> <p>Coordinating Agency: Mayor/Administrator</p> <p>Support Agency(ies): (a) CCEMA, (b) Columbiana County SWCD</p> <p>Timeframe: 5 years (as funding is available)</p> <p>Potential Funding Source(s): PDM, HMGP, Local funding</p> <p>Priority: 2</p>	<p>NEW</p> <p>The city added this project as part of the 2019 update.</p>

EAST LIVERPOOL ACTIVE MITIGATION PROJECTS		
Project Number	Mitigation Project	Status
1B.1.1	<p>Promote flood insurance educational materials via social media.</p> <p>Goal Alignment: 3-Protect vulnerable populations from negative effects of hazards in Columbiana County.</p> <p>Action Type: Education Programs</p> <p>Coordinating Agency: City Council</p> <p>Support Agency(ies): N/A</p> <p>Timeframe: On-going</p> <p>Potential Funding Source(s): Local funding</p> <p>Priority: 1</p>	<p>ON-GOING</p> <p>The city revised the wording of this project (which formerly read, "Consider elevating critical flood-prone structures above the 100-year flood level'). The current version is more consistent with efforts city officials are doing.</p>

EAST LIVERPOOL ACTIVE MITIGATION PROJECTS		
Project Number	Mitigation Project	Status
1B.1.3	<p>Establish a stormwater department to maintain the city's storm sewer system.</p> <p>Goal Alignment: 2-Promote coordination and partnership of key organizations tasked with maintaining the health and wellbeing of the Columbiana County population. Action Type: Local Plans & Regulations Coordinating Agency: City Council Support Agency(ies): N/A Timeframe: On-going Potential Funding Source(s): Local funding Priority: 2</p>	<p>NEW</p> <p>The city added this project as part of the 2019 update. It is currently in the exploratory stage, per the city's fire chief.</p>
1B.1.4	<p>Demolish blighted structures that could contribute to hazard risk.</p> <p>Goal Alignment: 1-Ensure the health and safety of first responders and the general population in Columbiana County before, during, and after an emergency event or incident. Action Type: Structure & Infrastructure Projects Coordinating Agency: City Council Support Agency(ies): N/A Timeframe: On-going Potential Funding Source(s): CDBG, Local funding Priority: 3</p>	<p>NEW</p> <p>The city added this project as part of the 2019 update. It is currently underway and represents a wider effort at area revitalization.</p>

SALEM ACTIVE MITIGATION PROJECTS		
Project Number	Mitigation Project	Status
1C.1.2	<p>Coordinate with rail shippers using the line through the city as well as covered facilities in the city to share information about materials, risks, vulnerabilities, and response capabilities. Utilize this information to maintain a commodity flow study and an updated hazmat response plan for the city.</p> <p>Goal Alignment: 2-Promote coordination and partnership of key organizations tasked with maintaining the health and wellbeing of the Columbiana County population. Action Type: Emergency Preparedness & Response Activities Coordinating Agency: Salem Fire Department Support Agency(ies): (a) Salem Police Department, (b) City Council, (c) CCEMA, (d) Columbiana County LEPC Timeframe: On-going Potential Funding Source(s): HMEP, PUCO, Local funding Priority: 1</p>	<p>NEW</p> <p>The city added this project as part of the 2019 update.</p>

SALEM ACTIVE MITIGATION PROJECTS		
<i>Project Number</i>	<i>Mitigation Project</i>	<i>Status</i>
1C.1.3	<p>As and if conditions necessitate it, rehabilitate or upgrade the Salem Reservoir.</p> <p>Goal Alignment: 4-Reduce death, injury, illness, and damage to property, infrastructure, and the environment resulting from hazardous events or incidents. Action Type: Structure & Infrastructure Projects Coordinating Agency: City Council Support Agency(ies): ODNR Timeframe: On-going Potential Funding Source(s): HHPD, Local funding Priority: 2</p>	<p>NEW The city added this project as part of the 2019 update.</p>

EAST PALESTINE ACTIVE MITIGATION PROJECTS		
<i>Project Number</i>	<i>Mitigation Project</i>	<i>Status</i>
1D.1.2	<p>Encourage residents to adhere to current floodplain regulations in effect.</p> <p>Goal Alignment: 3-Protect vulnerable populations from negative effects of hazards in Columbiana County. Action Type: Education Programs Coordinating Agency: Village Council Support Agency(ies): N/A Timeframe: On-going Potential Funding Source(s): N/A Priority: 1</p>	<p>ON-GOING This project is not new, and it is underway by default. The village elected to leave it in the plan.</p>
1D.1.1	<p>Encourage the residents of East Palestine to maintain required flood insurance.</p> <p>Goal Alignment: 3-Protect vulnerable populations from negative effects of hazards in Columbiana County. Action Type: Education Programs Coordinating Agency: Village Council Support Agency(ies): N/A Timeframe: On-going Potential Funding Source(s): N/A Priority: 2</p>	<p>ON-GOING This project is not new, and it is underway by default. The village elected to leave it in the plan.</p>

EAST PALESTINE ACTIVE MITIGATION PROJECTS		
<i>Project Number</i>	<i>Mitigation Project</i>	<i>Status</i>
1D.1.3	<p>Establish a more robust stormwater utility for East Palestine.</p> <p>Goal Alignment: 4-Reduce death, injury, illness, and damage to property, infrastructure, and the environment resulting from hazardous events or incidents. Action Type: Local Plans & Regulations Coordinating Agency: Village Council Support Agency(ies): N/A Timeframe: On-going Potential Funding Source(s): Local funding Priority: 3</p>	<p>ON-GOING</p> <p>A project to reduce stormwater inflow is currently underway. The village is also looking at stormwater retention projects.</p>
1D.1.4	<p>Repair the spillway on the East Palestine lake dam.</p> <p>Goal Alignment: 4-Reduce death, injury, illness, and damage to property, infrastructure, and the environment resulting from hazardous events or incidents. Action Type: Structure & Infrastructure Projects Coordinating Agency: Village Council Support Agency(ies): (a) CCEMA, (b) ODNR Timeframe: 5 years Potential Funding Source(s): HHPD, Local funding (for maintenance) Priority: 4</p>	<p>NEW</p> <p>The village added this project as part of the 2019 update.</p>

HANOVERTON ACTIVE MITIGATION PROJECTS		
<i>Project Number</i>	<i>Mitigation Project</i>	<i>Status</i>
1E.1.1	<p>Upgrade the village's capability to notify its residents by partnering with the county on the mass notification system.</p> <p>Goal Alignment: 1-Ensure the health and safety of first responders and the general population in Columbiana County before, during, and after an emergency event or incident. Action Type: Emergency Preparedness & Response Activities Coordinating Agency: Village Council Support Agency(ies): CCEMA Timeframe: 2 years Potential Funding Source(s): Local funding Priority: 1</p>	<p>NEW</p> <p>The village added this project as part of the 2019 update.</p>

HANOVERTON ACTIVE MITIGATION PROJECTS		
Project Number	Mitigation Project	Status
1E.1.2	<p>Acquisition, demolition, and/or retrofit of floodprone properties.</p> <p>Goal Alignment: 5-Ensure the continued livelihoods of individuals and the community in Columbiana County prior to hazard events or incidents.</p> <p>Action Type: Structure & Infrastructure Projects</p> <p>Coordinating Agency: Mayor/Administrator</p> <p>Support Agency(ies): (a) CCEMA, (b) Columbiana County SWCD</p> <p>Timeframe: 5 years (as funding is available)</p> <p>Potential Funding Source(s): PDM, HMGP, Local funding</p> <p>Priority: 2</p>	<p>NEW</p> <p>The village added this project as part of the 2019 update.</p>

LEETONIA ACTIVE MITIGATION PROJECTS		
Project Number	Mitigation Project	Status
1F.1.2	<p>Expand and improve the village's stormwater system.</p> <p>Goal Alignment: 4-Reduce death, injury, illness, and damage to property, infrastructure, and the environment resulting from hazardous events or incidents.</p> <p>Action Type: Structure & Infrastructure Projects</p> <p>Coordinating Agency: Village Council</p> <p>Support Agency(ies): OMEGA</p> <p>Timeframe: On-going</p> <p>Potential Funding Source(s): CDBG, Local funding</p> <p>Priority: 1</p>	<p>NEW</p> <p>The village added this project as part of the 2019 update. The current system is undersized and does not cover the entire village.</p>
1F.1.3	<p>Acquisition, demolition, and/or retrofit of floodprone properties.</p> <p>Goal Alignment: 5-Ensure the continued livelihoods of individuals and the community in Columbiana County prior to hazard events or incidents.</p> <p>Action Type: Structure & Infrastructure Projects</p> <p>Coordinating Agency: Mayor/Administrator</p> <p>Support Agency(ies): (a) CCEMA, (b) Columbiana County SWCD</p> <p>Timeframe: 5 years (as funding is available)</p> <p>Potential Funding Source(s): PDM, HMGP, Local funding</p> <p>Priority: 2</p>	<p>NEW</p> <p>The village added this project as part of the 2019 update.</p>

LISBON ACTIVE MITIGATION PROJECTS		
Project Number	Mitigation Project	Status
1G.1.1	<p>Increase the use of the countywide mass notification system.</p> <p>Goal Alignment: 1-Ensure the health and safety of first responders and the general population in Columbiana County before, during, and after an emergency event or incident. Action Type: Emergency Preparedness & Response Activities Coordinating Agency: Village Council Support Agency(ies): CCEMA Timeframe: On-going Potential Funding Source(s): Local funding Priority: 1</p>	<p>ON-GOING</p> <p>The village revised the wording of this project (which formerly read, "Increase the coverage and use of NOAA Weather Radios"). The current version recognizes the importance of notification and warning, and it aligns the village's efforts with those of other county agencies.</p>
1G.1.3	<p>Acquisition, demolition, and/or retrofit of floodprone properties.</p> <p>Goal Alignment: 5-Ensure the continued livelihoods of individuals and the community in Columbiana County prior to hazard events or incidents. Action Type: Structure & Infrastructure Projects Coordinating Agency: Mayor/Administrator Support Agency(ies): (a) CCEMA, (b) Columbiana County SWCD Timeframe: 5 years (as funding is available) Potential Funding Source(s): PDM, HMGP, Local funding Priority: 2</p>	<p>NEW</p> <p>The village added this project as part of the 2019 update.</p>

NEW WATERFORD ACTIVE MITIGATION PROJECTS		
Project Number	Mitigation Project	Status
1H.1.2	<p>Encourage property owners to control and secure debris, yard items, or stored objects in floodplains that may be swept away, damaged, or pose a hazard when flooding occurs.</p> <p>Goal Alignment: 1-Ensure the health and safety of first responders and the general population in Columbiana County before, during, and after an emergency event or incident. Action Type: Local Plans & Regulations Coordinating Agency: Village Council Support Agency(ies): N/A Timeframe: On-going Potential Funding Source(s): Local funding Priority: 2</p>	<p>ON-GOING</p> <p>The village revised the wording of this project (which formerly read, "Control and secure debris..."). The current version recognizes the role of individual property owners, yet maintains the village's opinion on the importance of the project.</p>

NEW WATERFORD ACTIVE MITIGATION PROJECTS		
Project Number	Mitigation Project	Status
1H.1.3	<p>Coordinate with other municipalities in the county to create agreements for sharing expensive, specialized equipment that can support ditch and culvert maintenance projects.</p> <p>Goal Alignment: 2-Promote coordination and partnership of key organizations tasked with maintaining the health and wellbeing of the Columbiana County population. Action Type: Preparedness & Response Activities Coordinating Agency: Village Council Support Agency(ies): (a) Participating jurisdictional administrators, (b) CCEMA Timeframe: On-going Potential Funding Source(s): Local funding Priority: 1</p>	<p>NEW</p> <p>The village added this project as part of the 2019 update. Discussions regarding equipment sharing/borrowing are underway.</p>

ROGERS ACTIVE MITIGATION PROJECTS		
Project Number	Mitigation Project	Status
11.1.1	<p>Clean and maintain Little Bull Creek, clearing log jams, trees, and sediment bars that prevent water from flowing freely.</p> <p>Goal Alignment: 1-Ensure the health and safety of first responders and the general population in Columbiana County before, during, and after an emergency event or incident. Action Type: Natural Systems Protection Coordinating Agency: Village Council Support Agency(ies): Columbiana County SWCD Timeframe: On-going Potential Funding Source(s): Local funding Priority: 2</p>	<p>ON-GOING</p> <p>The village elected to keep this project in the plan. Though funding is not often available, local officials believe it would be helpful in reducing flooding.</p>
11.1.2	<p>Improve storm drainage throughout the village.</p> <p>Goal Alignment: 4- Reduce death, injury, illness, and damage to property, infrastructure, and the environment resulting from hazardous events or incidents. Action Type: Structure & Infrastructure Projects Coordinating Agency: Village Council Support Agency(ies): N/A Timeframe: On-going Potential Funding Source(s): Local funding Priority: 3</p>	<p>NEW</p> <p>The village added this project as part of the 2019 update. Village officials are currently replacing catch basins, drain boxes, resetting pipe, and clearing drains.</p>

ROGERS ACTIVE MITIGATION PROJECTS		
Project Number	Mitigation Project	Status
1I.1.3	<p>Coordinate with other municipalities in the county to create agreements for sharing expensive, specialized equipment that can support ditch and culvert maintenance projects.</p> <p>Goal Alignment: 2-Promote coordination and partnership of key organizations tasked with maintaining the health and wellbeing of the Columbiana County population. Action Type: Preparedness & Response Activities Coordinating Agency: Village Council Support Agency(ies): (a) Participating jurisdictional administrators, (b) CCEMA Timeframe: On-going Potential Funding Source(s): Local funding Priority: 1</p>	<p>NEW</p> <p>The village added this project as part of the 2019 update. Discussions regarding equipment sharing/borrowing are underway.</p>

SALINEVILLE ACTIVE MITIGATION PROJECTS		
Project Number	Mitigation Project	Status
1J.1.2	<p>Address continued slippage in the village along Route 39.</p> <p>Goal Alignment: 4-Reduce death, injury, illness, and damage to property, infrastructure, and the environment resulting from hazardous events or incidents. Action Type: Structure & Infrastructure Projects Coordinating Agency: Village Council Support Agency(ies): (a) Columbiana County Engineer, (b) ODOT Timeframe: On-going Potential Funding Source(s): Local funding Priority: 2</p>	<p>NEW</p> <p>The village added this project as part of the 2019 update. It corresponds to a priority concern in the village.</p>
1J.1.3	<p>Maintain and, as necessary, upgrade the Salineville Reservoir Dam (which is physically located in Carroll County).</p> <p>Goal Alignment: 4-Reduce death, injury, illness, and damage to property, infrastructure, and the environment resulting from hazardous events or incidents. Action Type: Structure & Infrastructure Projects Coordinating Agency: Village Council Support Agency(ies): (a) ODNR, (b) Carroll County EMA Timeframe: On-going Potential Funding Source(s): HHPD, Local funding Priority: 1</p>	<p>NEW</p> <p>The village added this project as part of the 2019 update.</p>

SUMMITVILLE ACTIVE MITIGATION PROJECTS		
<i>Project Number</i>	<i>Mitigation Project</i>	<i>Status</i>
1K.1.1	<p>Clean and maintain creeks and streams, clearing log jams, trees, and sediment bars that prevent water from flowing freely.</p> <p>Goal Alignment: 1-Ensure the health and safety of first responders and the general population in Columbiana County before, during, and after an emergency event or incident. Action Type: Natural Systems Protection Coordinating Agency: Village Council Support Agency(ies): (a) ODOT, (b) Columbiana County SWCD Timeframe: On-going Potential Funding Source(s): Local funding Priority: 2</p>	<p>ON-GOING</p> <p>The village elected to keep this project in the plan. Though funding is not often available, local officials believe it would be helpful in reducing flooding. For the 2019 update, the village broadened the scope of the project to include all creeks and streams in the village. Village officials are currently working with the state to clean out a large culvert that plugs with debris from the creek and floods roadways.</p>
1K.1.2	<p>Coordinate with other municipalities in the county to create agreements for sharing expensive, specialized equipment that can support ditch and culvert maintenance projects.</p> <p>Goal Alignment: 2-Promote coordination and partnership of key organizations tasked with maintaining the health and wellbeing of the Columbiana County population. Action Type: Preparedness & Response Activities Coordinating Agency: Village Council Support Agency(ies): (a) Participating jurisdictional administrators, (b) CCEMA Timeframe: On-going Potential Funding Source(s): Local funding Priority: 1</p>	<p>NEW</p> <p>The village added this project as part of the 2019 update. Discussions regarding equipment sharing/borrowing are underway.</p>

WASHINGTONVILLE ACTIVE MITIGATION PROJECTS		
Project Number	Mitigation Project	Status
1L.1.2	<p>Coordinate with other municipalities in the county to create agreements for sharing expensive, specialized equipment that can support ditch and culvert maintenance projects.</p> <p>Goal Alignment: 2-Promote coordination and partnership of key organizations tasked with maintaining the health and wellbeing of the Columbiana County population. Action Type: Preparedness & Response Activities Coordinating Agency: Village Council Support Agency(ies): (a) Participating jurisdictional administrators, (b) CCEMA Timeframe: On-going Potential Funding Source(s): Local funding Priority: 1</p>	<p>NEW</p> <p>The village added this project as part of the 2019 update. Discussions regarding equipment sharing/borrowing are underway.</p>
1L.1.3	<p>Acquisition, demolition, and/or retrofit of floodprone properties.</p> <p>Goal Alignment: 5-Ensure the continued livelihoods of individuals and the community in Columbiana County prior to hazard events or incidents. Action Type: Structure & Infrastructure Projects Coordinating Agency: Mayor/Administrator Support Agency(ies): (a) CCEMA, (b) Columbiana County SWCD Timeframe: 5 years (as funding is available) Potential Funding Source(s): PDM, HMGP, Local funding Priority: 2</p>	<p>NEW</p> <p>The village added this project as part of the 2019 update.</p>

WELLSVILLE ACTIVE MITIGATION PROJECTS		
Project Number	Mitigation Project	Status
1M.1.1	<p>As and if conditions necessitate it, rehabilitate or upgrade the Wellsville Reservoir Dam.</p> <p>Goal Alignment: 4-Reduce death, injury, illness, and damage to property, infrastructure, and the environment resulting from hazardous events or incidents. Action Type: Structure & Infrastructure Projects Coordinating Agency: Village Council Support Agency(ies): ODNR Timeframe: On-going Potential Funding Source(s): HHPD, Local funding Priority: 5</p>	<p>ON-GOING</p> <p>The village revised the wording of this project (which formerly read, "Regulate development in the dam's hydraulic shadow..."). The current version recognizes the village's responsibility to maintain the dam and ensure, to the extent possible, downstream safety.</p>

WELLSVILLE ACTIVE MITIGATION PROJECTS		
Project Number	Mitigation Project	Status
1M.1.2	<p>Continue to collect a small amount from citizens for maintenance of the village's levee (e.g., mowing, cutting trees, etc.).</p> <p>Goal Alignment: 4-Reduce death, injury, illness, and damage to property, infrastructure, and the environment resulting from hazardous events or incidents. Action Type: Local Plans & Regulations Coordinating Agency: Village Council Support Agency(ies): N/A Timeframe: On-going Potential Funding Source(s): Local funding Priority: 3</p>	<p>NEW</p> <p>The village added this project as part of the 2019 update. The village receives a small allotment from its residents annually for maintenance.</p>
1M.1.3	<p>Upgrade pumps associated with the levee structure.</p> <p>Goal Alignment: 4-Reduce death, injury, illness, and damage to property, infrastructure, and the environment resulting from hazardous events or incidents. Action Type: Structure & Infrastructure Projects Coordinating Agency: Village Council Support Agency(ies): N/A Timeframe: On-going Potential Funding Source(s): Local funding Priority: 4</p>	<p>NEW</p> <p>The village added this project as part of the 2019 update. The current pumps are from approximately the 1950s. The village receives a small amount of funding from its residents annually; however, this funding contributes to basic maintenance of the structure (not capital projects).</p>
1M.1.4	<p>Coordinate with the county regarding the placement of a river gauge on the Ohio River.</p> <p>Goal Alignment: 1-Ensure the health and safety of first responders and the general population in Columbiana County before, during, and after an emergency event or incident. Action Type: Emergency Preparedness & Response Activities Coordinating Agency: Village Council Support Agency(ies): N/A Timeframe: On-going Potential Funding Source(s): Local funding Priority: 2</p>	<p>NEW</p> <p>The village added this project as part of the 2019 update. It is a collaborative project with the CCEMA that is underway.</p>

WELLSVILLE ACTIVE MITIGATION PROJECTS		
<i>Project Number</i>	<i>Mitigation Project</i>	<i>Status</i>
1M.1.5	<p>Acquisition, demolition, and/or retrofit of floodprone properties.</p> <p>Goal Alignment: 5-Ensure the continued livelihoods of individuals and the community in Columbiana County prior to hazard events or incidents.</p> <p>Action Type: Structure & Infrastructure Projects</p> <p>Coordinating Agency: Mayor/Administrator</p> <p>Support Agency(ies): (a) CCEMA, (b) Columbiana County SWCD</p> <p>Timeframe: 5 years (as funding is available)</p> <p>Potential Funding Source(s): PDM, HMGP, Local funding</p> <p>Priority: 1</p>	<p>NEW</p> <p>The village added this project as part of the 2019 update.</p>

Appendix 3: Inactive Projects lists those that have been completed, deferred, or deleted.