

## 5.0 APPENDICES

### APPENDIX 3: INACTIVE PROJECTS

This appendix lists projects that have appeared in previous versions of the mitigation plan. It serves as a record of the inactive mitigation projects, those that have been completed, deleted, or deferred by the steering committee. Mitigation projects listed as “on-going” remain active and thus appear in Section 3.2 of this plan.

| Project #<br>(Prior Plan)                                                                                                                                                                                                                                                                                                                                              | Hazard      | Strategy                                                                                                                                           | Project Type                       | Funding Source                                                                                                                                                                                                                    | Estimated Timeframe | Project Coordinator              | Completed / Deleted                                                                                                        |
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| <b>2019 – INACTIVE PROJECTS</b>                                                                                                                                                                                                                                                                                                                                        |             |                                                                                                                                                    |                                    |                                                                                                                                                                                                                                   |                     |                                  |                                                                                                                            |
| 2                                                                                                                                                                                                                                                                                                                                                                      | All Hazards | Provide back-up generators for critical facilities, including shelters, which need to maintain continuous power to protect human health and life.. | Structure & Infrastructure Project | HMGP<br>PDM<br>LOCAL                                                                                                                                                                                                              | 5 Years             | ACEMA                            | <b>DEFERRED.</b> Fire departments have mobile generators that can be used to provide back-up power at critical facilities. |
| 6                                                                                                                                                                                                                                                                                                                                                                      | Dam Failure | Develop a method to regulate development in the hydraulic shadow of dams.                                                                          | Local Plans & Regulations          | Local                                                                                                                                                                                                                             | 3 Years             | Admin of applicable jurisdiction | <b>DELETED.</b> The planning committee made the collective decision to remove this project.                                |
| 13                                                                                                                                                                                                                                                                                                                                                                     | Tornado     | Seek funding for and install residential and community storm shelters.                                                                             | Structure & Infrastructure Project | HMGP<br>Local                                                                                                                                                                                                                     | 5 Years             | ACEMA                            | <b>DELETED.</b> This project is no longer a priority at the county level.                                                  |
| <b>2013 – INACTIVE PROJECTS</b>                                                                                                                                                                                                                                                                                                                                        |             |                                                                                                                                                    |                                    |                                                                                                                                                                                                                                   |                     |                                  |                                                                                                                            |
| <b>Project</b>                                                                                                                                                                                                                                                                                                                                                         |             |                                                                                                                                                    |                                    | <b>Status Notes</b>                                                                                                                                                                                                               |                     |                                  |                                                                                                                            |
| Evaluate runoff (surface drainage) problems in the county and how these problems affect erosion.                                                                                                                                                                                                                                                                       |             |                                                                                                                                                    |                                    | <b>COMPLETED.</b> The Ashtabula County Planning Commission oversaw an update to the county's coastal management plan in 2012 that included various issues, including erosion.                                                     |                     |                                  |                                                                                                                            |
| Coordinate with the Ohio Department of Natural Resources, Division of Water, in accordance with ORC Section 1512.062, to periodically reclassify any dam within Ashtabula County as a result of a change in circumstances not in existence at the time of the dam's initial classification to ensure adequate safety according to the potential for downstream damage. |             |                                                                                                                                                    |                                    | <b>COMPLETED.</b> This action corresponds to the regular duty of the ODNR Division of Water. ODNR thus completes this action per the agency's routine operations.                                                                 |                     |                                  |                                                                                                                            |
| During all new dam construction, encourage the completion of a critical flood engineering analysis by a professional engineer licensed in the State of Ohio.                                                                                                                                                                                                           |             |                                                                                                                                                    |                                    | <b>COMPLETED.</b> ODNR requires appropriate flood analyses upon the design and construction of any new dam.                                                                                                                       |                     |                                  |                                                                                                                            |
| Coordinate with the ODNR, Dam Safety Engineering Program to conduct regular safety inspections of existing dams in Ashtabula County.                                                                                                                                                                                                                                   |             |                                                                                                                                                    |                                    | <b>COMPLETED.</b> ODNR conducts regular inspections. ODNR thus completes this action per the agency's routine operations.                                                                                                         |                     |                                  |                                                                                                                            |
| Coordinate with the County GIS Department and develop a mapping project of all the dry hydrants located within the county.                                                                                                                                                                                                                                             |             |                                                                                                                                                    |                                    | <b>COMPLETED.</b> The Ashtabula County Map Viewer contains a data layer entitled "Hydrants" that contains dry hydrants.                                                                                                           |                     |                                  |                                                                                                                            |
| Establish an enforceable open burning ban to be implemented during droughts.                                                                                                                                                                                                                                                                                           |             |                                                                                                                                                    |                                    | <b>COMPLETED.</b> The county and municipalities follow ORC 1503.18 and OAC 3745.19. Several jurisdictions (e.g., Ashtabula City, Saybrook Twp.) have ordinances restricting open burning relative to sizes and purposes of fires. |                     |                                  |                                                                                                                            |
| Develop and implement a domestic water management/conservation program.                                                                                                                                                                                                                                                                                                |             |                                                                                                                                                    |                                    | <b>COMPLETED.</b> Utilities routinely issue water conservation directives, boil water advisories, etc. when needed. Utilities base that process on applicable state and local regulations, and it is well-practiced.              |                     |                                  |                                                                                                                            |

| 2013 – INACTIVE PROJECTS                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                      |
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| Project                                                                                                                                                                                       | Status Notes                                                                                                                                                                                                                                                                                                                                                         |
| Seek funding to promote the use of dry hydrants as well as the existing programs available.                                                                                                   | <b>COMPLETED.</b> Agencies have access to several dry hydrants throughout the county. These locations appear on the hydrants mapping layer in the Ashtabula County Map Viewer.                                                                                                                                                                                       |
| Provide NOAA weather radios to all critical facilities within Ashtabula County.                                                                                                               | <b>COMPLETED.</b> The county EMA's mass notification system supports rapid notification to critical facilities and the public preceding/during weather events. In Jefferson Village, the police department monitors the weather on LEAD and makes notifications, as necessary. The village recognizes a need to incorporate weather radios in all village buildings. |
| In future risk assessments, thoroughly analyze the county's vulnerability to hazardous materials incidents.                                                                                   | <b>COMPLETED.</b> The county LEPC regularly analyzes the risk and vulnerability associated with hazardous materials per Ohio's EPCRA legislation. The LEPC thus completes this action per its routine activities.                                                                                                                                                    |
| Develop a public education program for informing residents about the benefits of having NOAA radios and Family Disaster Plans, which will help them better respond to an emergency situation. | <b>COMPLETED.</b> On November 1, 2018, Geneva-on-the-Lake held a meeting for homeowners along Old Lake Road to share ODNR guidance. Further, this action was consolidated into the general education action during the 2019 update.                                                                                                                                  |
| Coordinate with the National Weather Service (NWS) to receive better coverage and earlier notification for Ashtabula County, to warn residents of impending severe thunderstorm conditions.   | <b>COMPLETED.</b> The NWS regularly issues severe weather advisories, watches, and warnings as a matter of its regular operations. Several locations throughout the county have NOAA radios, and most people in the county receive NWS information via mobile devices.                                                                                               |
| Coordinate with the NWS to warn residents of impending severe winds and possible tornado conditions and provide/encourage NOAA radios for all critical facilities within the county.          | <b>COMPLETED.</b> The NWS regularly issues severe weather advisories, watches, and warnings as a matter of its regular operations. Several locations throughout the county have NOAA radios, and most people in the county receive NWS information via mobile devices.                                                                                               |
| Evaluate the school systems within Ashtabula County to ensure proper awareness and the ability to react to tornadoes.                                                                         | <b>COMPLETED.</b> State code requires schools and school systems to maintain emergency operations plans. Ashtabula County's school systems maintain and regularly test those plans.                                                                                                                                                                                  |
| Seek funding to increase manpower and equipment for townships, cities, and villages for debris removal.                                                                                       | <b>COMPLETED.</b> This project was completed through the creation of MOUs with appropriate agencies (e.g., other villages, contractors, etc.).                                                                                                                                                                                                                       |
| In future risk assessments, thoroughly analyze the county's vulnerability to the various types of terrorist incidents.                                                                        | <b>COMPLETED.</b> Local officials consider these threats through a variety of other initiatives, including Perry Nuclear Power Plant preparedness efforts.                                                                                                                                                                                                           |
| Develop and/or enhance terrorist annexes in county Emergency Operations Plans (EOPs).                                                                                                         | <b>COMPLETED.</b> The Ashtabula County EMA updated the county's EOP in 2018. The update was a full re-write which ensured the inclusion of appropriate incident-specific annexes.                                                                                                                                                                                    |

| 2013 – INACTIVE PROJECTS                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
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| Project                                                                                                                                                                                              | Status Notes                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Establish a communications system that will allow all jurisdictional fire and police departments to communicate with each other during large-scale emergency situations.                             | <b>COMPLETED.</b> Ashtabula County agencies participate in the Ohio MARCS system.                                                                                                                                                                                                                                                                                                                                                                   |
| Develop an integrated communications system that will allow surrounding counties to communicate with Ashtabula County, as a means of facilitating a regional response during hazard situations.      | <b>COMPLETED.</b> Like Ashtabula County agencies, numerous agencies in jurisdictions surrounding Ashtabula County (in Ohio) utilize the MARCS system. Applicable jurisdictions/agencies have also worked with partners in Crawford and Erie Counties in Pennsylvania to support tactical communications capabilities.                                                                                                                               |
| Develop a public education program for informing residents of the hazards associated with tornadoes, such as medical conditions and driving conditions, as well as what to do after an event occurs. | <b>DEFERRED.</b> The committee consolidated this action into a single public outreach and education action. See Action 1 in Section 3.2.                                                                                                                                                                                                                                                                                                            |
| Develop a public education program concerning the hazards associated with earthquakes, as well as a homeowner's option to purchase earthquake insurance.                                             | <b>DEFERRED.</b> The committee consolidated this action into a single public outreach and education action. See Action 1 in Section 3.2.                                                                                                                                                                                                                                                                                                            |
| Provide designated locations /facilities to house displaced animals after severe storm/flooding events.                                                                                              | <b>DEFERRED.</b> This project is a valid project; however, it is a preparedness measure. Locations for housing displaced animals appear in various other response-oriented plans.                                                                                                                                                                                                                                                                   |
| Provide means for mass animal carcass disposal to prevent the spread of disease after a severe flooding event.                                                                                       | <b>DEFERRED.</b> This project is a valid project; however, it is a preparedness measure. Disposal and disease surveillance measures appear in various other response-oriented plans.                                                                                                                                                                                                                                                                |
| Seek funding to evaluate Lake Eire shore erosion in Ashtabula County.                                                                                                                                | <b>DEFERRED.</b> This project indirectly appears in the county's current coastal management plan. It fits better with the objectives in that document, and the committee opted to delete it here.                                                                                                                                                                                                                                                   |
| Ensure that surge protection, such as surge protectors and grounding, has been installed on all critical electronic equipment owned by county government.                                            | <b>DEFERRED.</b> The committee felt that this action did not represent a viable effort that would result in widespread benefit. Further, committee members representing county agencies felt that department heads throughout county government regularly ensured surge protection on critical machines as a matter of business continuity. The committee thus deferred this action to departmental and jurisdictional business continuity efforts. |
| Provide designated locations/facilities to house displaced animals following a tornado.                                                                                                              | <b>DEFERRED.</b> This project is a valid project; however, it is a preparedness measure. Locations for housing displaced animals appear in various other response-oriented plans.                                                                                                                                                                                                                                                                   |
| Establish ordinances requiring burn permits and restricting campfires and outdoor burning during unsafe hours in particular seasons, if not already established.                                     | <b>DEFERRED.</b> ODNR Forestry prohibits outdoor open burning and prescribed fires in the months of March, April, May, October, and November between 6 a.m. and 6 p.m. Reference ORC 1503.18.                                                                                                                                                                                                                                                       |

| 2013 – INACTIVE PROJECTS                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                |
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| Project                                                                                                                                                   | Status Notes                                                                                                                                                                                                                                                                                                                                                                   |
| Coordinate with local private contractors to develop mutual aid agreements for emergency snow removal.                                                    | <b>DELETED.</b> The planning committee deleted this project from the plan. Though all jurisdictions regularly maintain agreements with appropriate resources for snow removal (not just private contractors), the committee felt this project better identifies as a preparedness effort and does not contribute to eliminating losses as a result of the winter storm hazard. |
| Coordinate with responsible agencies on developing a program to prevent and/or alleviate ice jams that occur.                                             | <b>DELETED.</b> This project simply recommends coordinating with agencies that bear responsibilities for preventing or alleviating ice jams. Local officials routinely work with myriad partners to address all causes of flooding. The project, as stated, is complete.                                                                                                       |
| Develop a stream maintenance and educational outreach program.                                                                                            | <b>DELETED.</b> ODNR and other organizations produce this type of information.                                                                                                                                                                                                                                                                                                 |
| Coordinate with local and rural property owners to gain access to flooded property for recovery purposes after a flood has occurred.                      | <b>DELETED.</b> Local officials routinely perform this task after situations occur. Thus, it is a recovery project rather than a mitigation project.                                                                                                                                                                                                                           |
| Seek funding to review and revise existing storm water ordinances and resolutions to address existing and/or proposed developments.                       | <b>DELETED.</b> The committee deleted this project in lieu of New Project #5, which is a combined storm water management project.                                                                                                                                                                                                                                              |
| Participate in the Community Rating System (CRS) on a countywide basis to reduce flood insurance rates.                                                   | <b>DELETED.</b> Committee members determined that, based on the number of exposed properties in Ashtabula County's jurisdictions, the benefits of the CRS program do not outweigh the costs of getting into the program. Committee members felt that NFIP participation was important and continue to support it however.                                                      |
| Seek funding to elevate roadways that suffer repeat flooding to maintain access to the areas.                                                             | <b>DELETED.</b> Committee members deleted this project after determining that it would be very unlikely to meet benefit-cost recommendations.                                                                                                                                                                                                                                  |
| Identify and provide warning signage and/or roadway markings for roadways that are susceptible to repeated flooding regardless of the amount of rainfall. | <b>DELETED.</b> The committee deemed this project unfeasible because there are minimal roadways that are repeatedly impacted. Local officials can meet the intent of this project using temporary signage, the county's mass notification system, and various social media outlets.                                                                                            |
| Enforce existing building codes that regulate the materials used in new construction with respect to design wind speeds.                                  | <b>DELETED.</b> The committee deemed this project unnecessary since communities comply, as appropriate, with the International Building Codes.                                                                                                                                                                                                                                 |
| Reduce the risk of mobile home damage by suggesting the use of tie-downs with ground anchors appropriate for the soil type.                               | <b>DELETED.</b> The committee deemed this project unnecessary since communities comply, as appropriate, with the International Building Codes.                                                                                                                                                                                                                                 |
| Develop a technical assistance information program for homeowners, teaching them how to seismically strengthen their homes.                               | <b>DELETED.</b> Even though earthquakes happen with relative frequency in northeast Ohio, the committee felt that the severity of frequent earthquakes rarely escalates to the level of causing significant damage. Earthquakes of that magnitude are rare.                                                                                                                    |
| Seek funding to develop a Volunteer Reception Center for coordinating volunteers who are willing to help with the recovery of an earthquake.              | <b>DELETED.</b> The ACEMA works with local agencies regarding the use of volunteers during large-scale emergency responses of all types, not just earthquakes. Further, the committee felt this project more closely aligned with preparedness rather than mitigation initiatives.                                                                                             |

| 2013 – INACTIVE PROJECTS                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                               |
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| Project                                                                                                                                                | Status Notes                                                                                                                                                                                                                                                                                                                                                                                                  |
| Provide alternate potable water source in the event that existing water supplies are disrupted or wells run dry.                                       | <b>DELETED.</b> The committee deemed this project to be unfeasible because of cost considerations. Solutions such as interconnects also result in public health considerations that make them difficult to implement.                                                                                                                                                                                         |
| Install sensory systems that immediately shut off the flow of gas throughout the county as soon as earth movements are felt.                           | <b>DELETED.</b> The committee deemed this project unfeasible due to cost and the likely difficulty of implementation.                                                                                                                                                                                                                                                                                         |
| Develop mutual aid agreements with private contractors to expeditiously deliver large quantities of sand to problem areas, as needed.                  | <b>DELETED.</b> Local emergency agencies maintain various mutual aid agreements with providers in and out of county. Further, the committee felt this project represented a preparedness project rather than a mitigation project.                                                                                                                                                                            |
| Seek funding for retrofitting existing structures to make them storm-ready.                                                                            | <b>DELETED.</b> The committee deleted this project because it was vaguely written. The committee replaced it with New Project #12, which looks at structural solutions to the flooding hazard.                                                                                                                                                                                                                |
| Evaluate railroad and roadway intersections for warning systems, etc.                                                                                  | <b>DELETED.</b> The committee deleted this project because it was vaguely written. There were questions as to what “evaluate” meant. Further, railroad operators routinely assess the safety of their lines.                                                                                                                                                                                                  |
| Assess the feasibility of cleaning up busy intersections.                                                                                              | <b>DELETED.</b> The committee deleted this project because it was vaguely written. What does it mean to “clean up” a busy intersection? Further, ODOT and local road departments regularly assess safety concerns at intersections.                                                                                                                                                                           |
| Encourage residents to inspect and clean their chimneys at least once a year.                                                                          | <b>DELETED.</b> The committee deleted this project because members felt it represented a regular maintenance project rather than a mitigation project.                                                                                                                                                                                                                                                        |
| Implement adequate planning, assessment, and preventative measures of resources (i.e., training, equipment, and manpower) for fighting wildland fires. | <b>DELETED.</b> The committee felt this project was representative of preparedness rather than mitigation efforts. Additionally, local fire departments routinely assess the risks in their first-due areas and pre-plan responses (e.g., assure adequate personnel training, identify resource support through mutual aid, etc.).                                                                            |
| Continue the education and training efforts of first responders and emergency personnel.                                                               | <b>DELETED.</b> The committee deleted this project because it represents a preparedness rather than a mitigation effort. Additionally, first responder agencies regularly provide for the training of their personnel.                                                                                                                                                                                        |
| Coordinate with first responders for interagency cooperation to assist in collaborative planning.                                                      | <b>DELETED.</b> The committee deleted this project because it represents a preparedness rather than a mitigation effort. Additionally, responder agencies regularly work together to assure resource availability for common responses. The ACEMA works with agencies throughout the county to facilitate a collaborative planning process (e.g., the 2018 update to the county’s emergency operations plan). |
| Coordinate with local media to alert the public to current threat status.                                                                              | <b>DELETED.</b> The committee deleted this project because it represents a preparedness rather than a mitigation effort. Additionally, the ACEMA coordinates with the local media regularly. Further, the NWS has the ability to send targeted alerts via mobile networks.                                                                                                                                    |

| 2013 – INACTIVE PROJECTS                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                      |
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| Project                                                                                                                                                                                                                                                                                                                                                  | Status Notes                                                                                                                                                                                                                                                                                                                                                                         |
| Establish a critical infrastructure protection program.                                                                                                                                                                                                                                                                                                  | <b>DELETED.</b> The committee deleted this project because it was vaguely written. Utility departments, road departments, etc. regularly work to protect and maintain their systems. Further, when necessary, local officials support state and federal critical infrastructure protection efforts.                                                                                  |
| Ensure that institutions with computers that interface with other computers responsible for the function of vital equipment (water treatment plants, etc.) have back-up systems and anti-virus software installed on them.                                                                                                                               | <b>DELETED.</b> Committee members confirmed that many government officials require surge protection, data back-up, etc. Beyond that level, committee members felt it was the responsibility of business owners, system operators, etc. to ensure these practices as a matter of good business.                                                                                       |
| Establish trauma centers to offer medical attention and counseling to affected populations in the event of a terrorist event.                                                                                                                                                                                                                            | <b>DELETED.</b> The committee deleted this project because it represents a preparedness rather than a mitigation effort. Additionally, the ACEMA included updated health and medical considerations in its 2018 emergency operations plan revision. Other organizations, including local health departments, also ensure inclusion of mental health concerns in operations planning. |
| Evaluate the need for adequate planning, specifically as it relates to firefighting of wildland fires.                                                                                                                                                                                                                                                   | <b>DELETED.</b> The committee deleted this project because it represents a preparedness rather than a mitigation effort. Additionally, responder agencies regularly work together to assure resource availability for common responses.                                                                                                                                              |
| Coordinate mutual aid agreements with water hauling companies to have emergency supplies of water hauled into Ashtabula County and encourage the development of system interconnects between various water systems where feasible. Evaluate the need to increase water storage capacities by conducting a Water Vulnerability Assessment for the county. | <b>DELETED.</b> Local emergency agencies maintain various mutual aid agreements with providers in and out of county. Further, the committee felt this project represented a preparedness project rather than a mitigation project. Solutions such as interconnects also result in public health considerations that make them difficult to implement.                                |
| Develop and implement a plan to process donations, acquire, and provide potable water supplies for livestock during a drought.                                                                                                                                                                                                                           | <b>DELETED.</b> The committee deleted this project because it represents a preparedness rather than a mitigation effort. Additionally, the ACEMA included donations management for all hazards in its 2018 emergency operations plan update.                                                                                                                                         |