Clermont County All-Hazards Mitigation Plan Update

Purpose:
- Protect lives and property through the identification of hazards and development of mitigation strategies
- Required by 44 Code of Federal Regulations Part 201.6 and The Robert T. Stafford Disaster Relief and Emergency Assistance Act, 1988
- Plan must be updated every 5 years
- Eligibility requirement for pre-disaster and post-disaster mitigation grant programs

Timeline:
- 2006 1st Hazard Mitigation Plan adopted
- March 2014 2nd Hazard Mitigation Plan adopted
- July 2017 Applied for Pre-Disaster Assistance Grant
- August 2018 Received Pre-Disaster Assistance Grant
- October 11, 2018 Core Planning Team Kickoff Meeting (#1)
- November 15, 2018 Core Planning Team Meeting (#2) and Public Meeting (#1)
- January 23, 2019 Core Planning Team Meeting (#3) and Public Meeting (#2)
- July 24, 2019 Draft Plan release and 30 day public comment period
- July 31, 2019 Core Planning Team Meeting (#4)
- October 17, 2019 Ohio EMA completed 1st Review
- November 17, 2019 Ohio EMA completed 2nd Review
- January 8, 2020 FEMA completed 1st Review
- January 21, 2020 Final Draft submitted to FEMA
- March 2, 2020 FEMA Approved Draft Plan
- April 15, 2020 Plan presented to Board of County Commissioners
- April 22, 2020 Board of County Commissioners approved Plan
- June 15, 2020 Clermont County EMA received official FEMA Approval Letter

Plan Overview

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Introduction</td>
<td>Provides background on jurisdictions’ and the county’s features</td>
</tr>
<tr>
<td></td>
<td>History and Demographics</td>
<td>Provides historical context, communication and utility contacts, and demographic information for the county and the villages</td>
</tr>
<tr>
<td></td>
<td>Planning Process</td>
<td>Describes the planning process used to develop the Plan</td>
</tr>
<tr>
<td></td>
<td>Hazard Risk Assessment</td>
<td>Provides a hazard vulnerability assessment for each hazard including: description of events, locations affected, probability of an event occurring and consequences (number of injuries/fatalities; property damage; crop damage)</td>
</tr>
<tr>
<td></td>
<td>Hazard Mitigation</td>
<td>Provides the hazard prioritization, goals, and detailed mitigation actions</td>
</tr>
<tr>
<td></td>
<td>Schedule and Maintenance</td>
<td>Discuss the Plan annual review and 5 year plan update requirements</td>
</tr>
</tbody>
</table>
|   | Appendices | Appendix A: Historical Hazard Events
Appendix B: Hazard Mitigation Action – Matrix Scoring Spreadsheet
Appendix C: Critical Facilities List
Appendix D: Sources
Appendix E: FEMA Flood Maps
Appendix F: Meeting Documentation |
Partners / Stakeholders:
- Building Code Enforcement
- Emergency Management
- Fire Departments
- Floodplain Administrator
- GIS
- Parks and Recreation
- Planning/Community Development
- Public Information Office
- Engineer / Service Road Departments
- Storm water Management
- Elected Officials
- Cities, Townships, & Villages
- Hospital
- Gas, Electric & Propane Utilities
- Water/Waste Water Utilities
- Waste Haulers
- Cable/Satellite Providers
- Telephone & Internet Providers
- Local Businesses
- Faith-based and Non-profit partners
- Ohio EMA
- ODNR
- OSU Extension
- Farm Service Admin
- USDA
- USACE
- General Public

Risk Assessment – Hazard Prioritization
1. Severe Storms
2. Tornadoes
3. Flooding
4. Utility Failure
5. Hazardous Materials
6. Winter Storms
7. Landslides
8. Dam Failure
9. Invasive Species
10. Terrorism
11. Extreme Temperatures
12. Drought
13. Wildfire
14. Earthquakes

Mitigation Strategies

<table>
<thead>
<tr>
<th>All Hazards</th>
<th>Develop/update back-up power capabilities at critical facilities</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Update continuity of operation plans (COOP)</td>
</tr>
<tr>
<td></td>
<td>Provide disaster preparedness education and outreach</td>
</tr>
<tr>
<td></td>
<td>Update emergency operation plans (EOP)</td>
</tr>
<tr>
<td></td>
<td>Maintain all-hazard outdoor warning sirens</td>
</tr>
<tr>
<td></td>
<td>Continue code enforcement (e.g. fire, building, zoning, floodplain management)</td>
</tr>
<tr>
<td>Severe Storms</td>
<td>Public education on having multiple means of receiving alerts/warnings</td>
</tr>
<tr>
<td></td>
<td>Update plans for timely debris clearance following severe storms</td>
</tr>
<tr>
<td></td>
<td>Maintain National Weather Service StormReady certification</td>
</tr>
<tr>
<td>Tornadoes</td>
<td>Promote Ohio Safe Room Rebate Program</td>
</tr>
<tr>
<td></td>
<td>Identify temporary storm safe locations</td>
</tr>
<tr>
<td>Flooding</td>
<td>Improve storm water management systems</td>
</tr>
<tr>
<td></td>
<td>Identify and study poor draining areas to control flooding</td>
</tr>
<tr>
<td></td>
<td>Repair or replace ditching and culverts to control flooding</td>
</tr>
<tr>
<td></td>
<td>Continue to identify and study riverbank stabilization opportunities</td>
</tr>
<tr>
<td></td>
<td>Provide guidance to property owners on acquisition/flood proofing</td>
</tr>
<tr>
<td></td>
<td>Encourage residents to purchase flood insurance</td>
</tr>
<tr>
<td>Utility Failure</td>
<td>Tree trimming along utility lines</td>
</tr>
<tr>
<td>Hazardous Materials Accidents</td>
<td>Develop wellhead protection plan</td>
</tr>
<tr>
<td></td>
<td>Continue annual LEPC exercises</td>
</tr>
<tr>
<td></td>
<td>Maintain LEPC and Tier II reporting</td>
</tr>
<tr>
<td></td>
<td>Update commodity flow study</td>
</tr>
<tr>
<td></td>
<td>Public outreach regarding disposal of household hazardous waste</td>
</tr>
<tr>
<td>Winter Storms</td>
<td>Public education on winter weather safety</td>
</tr>
<tr>
<td>Landslides</td>
<td>Develop map of landslide prone areas</td>
</tr>
<tr>
<td></td>
<td>Enforce slide-prone area ordinances to limit fill/dumping</td>
</tr>
<tr>
<td></td>
<td>Enforce draining control regulations</td>
</tr>
<tr>
<td></td>
<td>Implement sanitary system codes</td>
</tr>
</tbody>
</table>
- Provide mitigation guidance to property owners
- Implement restraining structures to hold soil in place
- Implement debris flow measures
- Implement grading to increase slope stability
- Consider vegetation placement and management plans to increase soil stability
- Consider placement of utilities outside of landslide prone areas

| Dam Failure | Coordination with ODNR to implement Dam Safety Program
| Encourage dam owners to develop/update emergency action plans
| Encourage dam owners to be prepared to respond should their dam fail
| Public education regarding downstream risks
| Coordinate with local communities to ensure they understand the risk

| Invasive Species | Public education on hazard identification, behavior, and quarantine procedures
| Public education on the importance of not importing/exporting firewood
| Work with agricultural producers to monitor/minimize nutrient runoff to prevent harmful algal blooms

| Terrorism | Encourage critical infrastructure to implement protective measures
| Coordinate with law enforcement to ensure safety at large public gatherings
| Provide active aggressor guidance

| Extreme Temperatures | Provide guidance for vulnerable populations
| Provide guidance on utility assistance programs

| Drought | Encourage property owners to install water reduction equipment
| Develop water storage plans, water use ordinances, contingency plans, and water delivery system plans
| Encourage farmers to purchase crop insurance

| Wildfire | Public education on smoking hazards and risk of recreational fires
| Public education on extreme fire danger and red flag warnings

| Earthquake | Use community outreach activities to foster awareness of earthquake mitigation actions
| Work with the insurance industry to increase public awareness of the importance of earthquake insurance

**Plan Maintenance:**
- Annual Review
- Incorporate New Plans
- Revise Mitigation Strategies as Needed
- Update the Plan every 5 Years

**Moving Forward:**
- Review the updated All-Hazards Mitigation Plan [https://ema.clermontcountyohio.gov/mitigation-plan/](https://ema.clermontcountyohio.gov/mitigation-plan/)
- Each City and Village must adopt the All-Hazards Mitigation Plan by June 14, 2021 in order to be included in the plan.
- Each Township is strongly encouraged to adopt the All-Hazards Mitigation Plan by June 14, 2021.
- Submit adoption resolutions to clermontema@clermontcountyohio.gov by June 14, 2021.

Questions: Contact Pam Haverkos at phaverkos@clermontcountyohio.gov or 513.732.7661