
2022 Clinton County Hazard Mitigation Plan

1.1 Executive Summary

The following jurisdictions have prepared and adopted this 2022 update of the Clinton County Hazard Mitigation Plan:

- Clinton County
- City of Andover
- City of Calamus
- City of Camanche
- City of Charlotte
- City of Clinton
- City of Delmar
- City of DeWitt
- City of Goose Lake
- City of Grand Mound
- City of Lost Nation
- City of Low Moor
- City of Toronto
- City of Welton
- City of Wheatland
- Calamus-Wheatland School District
- Camanche School District
- Central DeWitt School District
- Clinton School District
- Delwood School District
- Northeast School District

The purpose of hazard mitigation is to reduce or eliminate long-term risk to people and property from disasters or hazardous events. Studies have found that hazard mitigation is extremely cost-effective, with every dollar spent on mitigation saving an average of \$6 in avoided future losses. The Federal Emergency Management Agency (FEMA) requires that Hazard Mitigation Plans (HMPs) be updated every five years for the jurisdictions to be eligible for federal mitigation assistance. All sections of the 2017 Clinton County HMP were reviewed and updated to address natural and human-caused hazards for the purpose of saving lives and reducing losses from future disasters or hazard events. The goals of the 2022 Clinton County HMP are:

- Goal 1: Increase capabilities within Clinton County entities to mitigate the effects of hazards by enhancing existing or designing and adopting new policies that will reduce the damaging effects of hazards.
- Goal 2: Protect the most vulnerable populations, buildings, and critical facilities within Clinton County through the implementation of cost-effective and technically-feasible mitigation projects.
- Goal 3: Improve the level of responder, government, business, and citizen awareness and preparedness for disaster.
- Goal 4: Develop programs to assure that response agencies, governments, educational institutions, and local businesses are able to operate during times of disaster.

Clinton County and its participating jurisdictions developed this Hazard Mitigation Plan update to guide hazard mitigation planning to better protect the people and property of the planning area from the effects of hazard events. By reducing vulnerability to known hazard risks, communities will save lives and property and minimize the social, economic, and environmental disruptions that commonly follow hazard events. This plan demonstrates the jurisdictions' commitment to reducing risks from hazards and serves as a tool to help decision makers direct mitigation activities and resources.

This plan was also developed to retain Clinton County's and the participating jurisdictions' eligibility for federal grant programs, specifically the FEMA hazard mitigation grants including the Hazard Mitigation Grant Program (HMGP), Building Resilient Infrastructure and Communities (BRIC) grant program, and Flood Mitigation Assistance (FMA) program.

Chapter 1 contains the Plan Introduction and describes the Planning Process followed to update the Plan. A broad range of public and private stakeholders, including agencies, local businesses, nonprofits, and other interested parties were invited to participate. Public input was sought throughout the planning process including online surveys and public review of the draft Plan.

Chapter 2 Community Profile describes the planning area, consisting of Clinton County and the participating jurisdictions listed above, with updated information on demographics, social vulnerability, and changes in development. It includes an assessment of programs and policies currently in place across the County to reduce hazard impacts or that could be used to implement hazard mitigation activities and identifies opportunities to enhance those capabilities.

Chapter 3 Risk Assessment identifies the natural and human-caused hazards of greatest concern to the County, and describes the risk from those hazards. The information generated through the risk assessment helps communities to prioritize and focus their efforts on those hazards of greatest concern and those assets or areas facing the greatest risk(s). The best available information on the impacts of changing weather conditions was taken into account for each hazard. The hazards profiled in the 2022 Plan and their assessed significance are listed in Table 1-1.

Table 1-1 Clinton County Planning Area Hazard Ranking Results

Hazard	Probability	Magnitude	Warning Time	Duration	Score	Planning Significance
Animal/Plant/Crop Disease	1	4	4	4	2.65	Moderate
Cyber Attack	4	3	4	4	3.70	High
Dam/Levee Failure	1	4	4	4	2.65	Moderate
Drought	4	2	1	4	2.95	Moderate
Earthquake	1	1	4	1	1.45	Low
Expansive Soils	1	1	1	1	1	Low
Extreme Heat	4	2	1	3	2.85	Moderate
Flash Flooding	4	2	4	2	3.20	High
Grass or Wildland Fire	2	2	4	1	2.20	Moderate
Hazardous Materials Incident	4	1	4	1	2.80	Moderate
Human Disease	3	3	2	4	2.95	High
Infrastructure Failure	4	2	4	3	3.30	High
Landslide	1	1	1	1	1	Low
Radiological Incident	1	3	4	4	2.35	Moderate
Riverine Flooding	3	2	2	4	2.65	Moderate
Severe Winter Storm	4	2	3	4	3.25	High
Sinkholes	1	2	4	1	1.75	Low
Terrorism	1	4	4	4	2.65	Moderate
Thunderstorm/Lightning/Hail	4	2	3	1	2.95	Moderate
Tornado/Windstorm	4	3	4	1	3.55	High
Transportation Incident	4	3	4	1	3.55	High

Chapter 4 Mitigation Strategy describes what the County and jurisdictions will do to reduce their vulnerability to the hazards identified in Chapter 3. It presents the goals of the mitigation program and details a broad range of targeted mitigation actions to reduce losses from hazard events.

Chapter 5 Plan Implementation and Maintenance details how the Plan will be implemented, monitored, evaluated, and updated, and how mitigation will be integrated into other planning mechanisms.

It is important that local decision-makers stay involved in mitigation planning to provide new ideas and insight for future updates to the Clinton County HMP. As a long-term goal, the HMP and the mitigation strategies identified within will be integrated into daily decisions and routines of local government. This will continue to require dedication and hard work, and to this end, this Plan update continues efforts to further strengthen the resiliency of Clinton County.

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