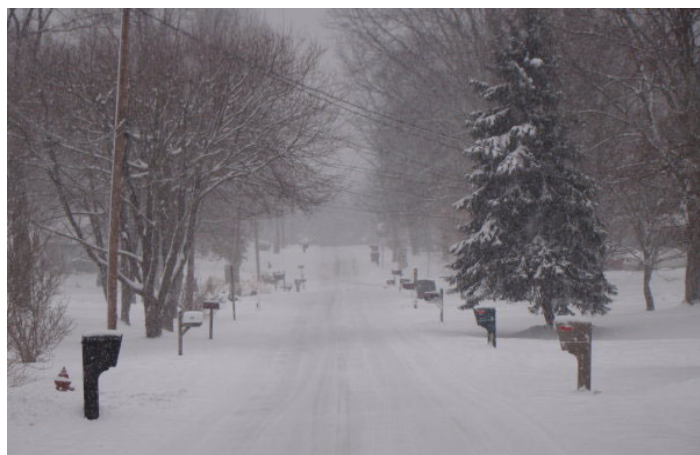


Clermont County Hazard Mitigation Plan Update



July 15, 2026



Purpose

- ❑ Protect lives and property through the identification of hazards and the development of mitigation strategies to reduce or eliminate risk
- ❑ Required by 44 Code of Federal Regulations, Part 201. 3 and The Robert T. Stafford Disaster Relief and Emergency Assistance Act
- ❑ Every county, village and city must have a Hazard Mitigation Plan
- ❑ Plan must be updated every 5 years
- ❑ Eligibility requirement for pre/post-disaster mitigation grants



Timeline

- ❑ October 2023 Applied for Building Resilient Infrastructures and Communities (BRIC) Grant
- ❑ November 2024 BRIC Grant agreement signed
- ❑ March 5, 2025 Meeting #1 – HMP Kickoff
- ❑ March – May 2025 Data Collection – hazard prioritization, critical infrastructure & vulnerability assessment
- ❑ June 2025 Meeting #2 – New Mitigation strategies meeting
- ❑ June – Sept. 2025 Data analysis and plan update
- ❑ October 2025 Meeting #3 – Draft HMP release meeting
- ❑ Nov. 2025 – Feb. 2026 Draft revisions
- ❑ March – April 2026 30-day public comment period.
- ❑ April 29, 2026 HMP Finalized & sent to OEMA for review
- ❑ June 2, 2026 OEMA completed review #1
- ❑ June 24, 2026 OEMA completed review #2
- ❑ July 15, 2026 Presentation to Board of County Commissioners
- ❑ ~ 1 Year All Cities and Villages must adopt Plan



Plan Overview

1	Introduction	Provides background on jurisdictions and the county's features
2	Risk Assessment	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)
3	Mitigation Strategy	Outlines mitigation goals and objectives based on the risk assessment of hazards in the county and actions needed to meet the mitigation goals and objectives.
4	Plan Maintenance & Integration	Discuss the Plan annual review and 5 year plan update requirements
5	Appendices	Appendix 1: Planning Process Involvement Appendix 2: Project Prioritization Appendix 3: Inactive Projects Appendix 4: Jurisdictional Flood Mapping Appendix 5: References Appendix 6: Crosswalks and Resolutions



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



Hazard Prioritization

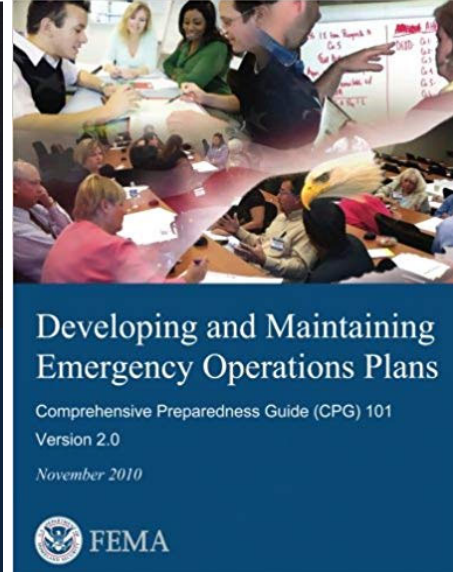
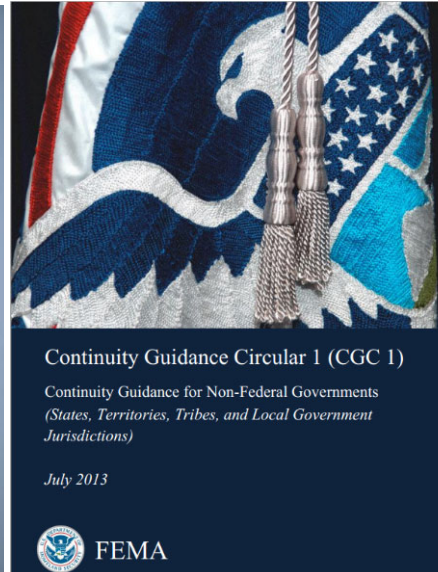
1. Cyber Incidents
2. Tornadoes
3. Flooding
4. Severe Summer Weather
5. Utility Failure (non-storm)
6. HazMat Release
7. Invasive Species
8. Public Health Emergencies
9. Severe Winter Weather
10. Wildfire
11. Dam & Levee Failure
12. Landslide
13. Terrorism/Civil Disturbance
14. Extreme Temperatures
15. Drought
16. Earthquake



Mitigation Actions

All Hazards

- ❑ Develop/update back-up power capabilities at critical facilities
- ❑ Update continuity of operation plans (COOP)
- ❑ Provide disaster preparedness education and outreach
- ❑ Update emergency operation plans (EOP)
- ❑ Maintain all-hazard outdoor warning sirens
- ❑ Continue code enforcement (e.g. fire, building, zoning, floodplain management)





Mitigation Actions

Cyber Incident

- ❑ Continue to educate county employees on cyber hygiene
- ❑ Conduct additional testing on high priority systems to identify any cyber security gaps
- ❑ Increase the use of Multifactor Authentication (MFA)





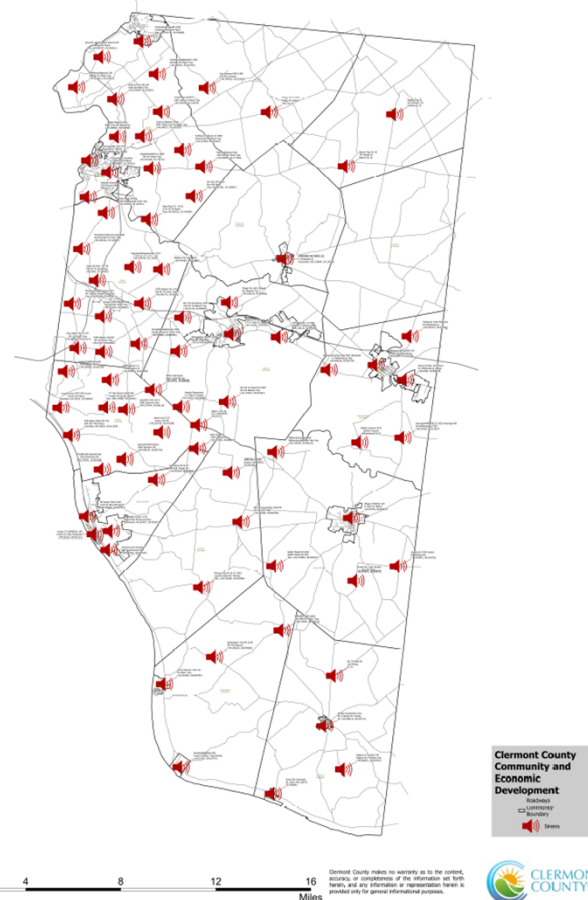
Mitigation Actions

Tornadoes

- ❑ Coordinate with local communities to conduct an assessment of the outdoor warning system



Clermont County Siren Locations





Mitigation Actions

Flooding

- ☐ Improve storm water management systems
- ☐ Identify and study poor draining areas to control flooding
- ☐ Repair or replace ditching and culverts to control flooding
- ☐ Continue to identify and study riverbank stabilization opportunities
- ☐ Provide guidance to property owners on acquisition/flood proofing
- ☐ Encourage residents to purchase flood insurance





Mitigation Actions

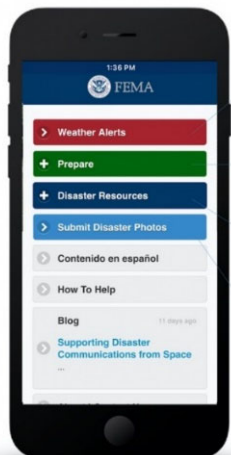
Severe Summer Weather

- ❑ Public education on having multiple means of receiving alerts/warnings
- ❑ Create a SOG for timely clearing of storm debris from roadways
- ❑ Maintain National Weather Service *StormReady* certification



Interactive NWS Alert

New event: Severe Thunderstorm Warning for Clermont County, OH
Sent via email and SMS at 7:25 pm EDT, Jun 5th 2019



Receive alerts from the National Weather Service for up to five locations.



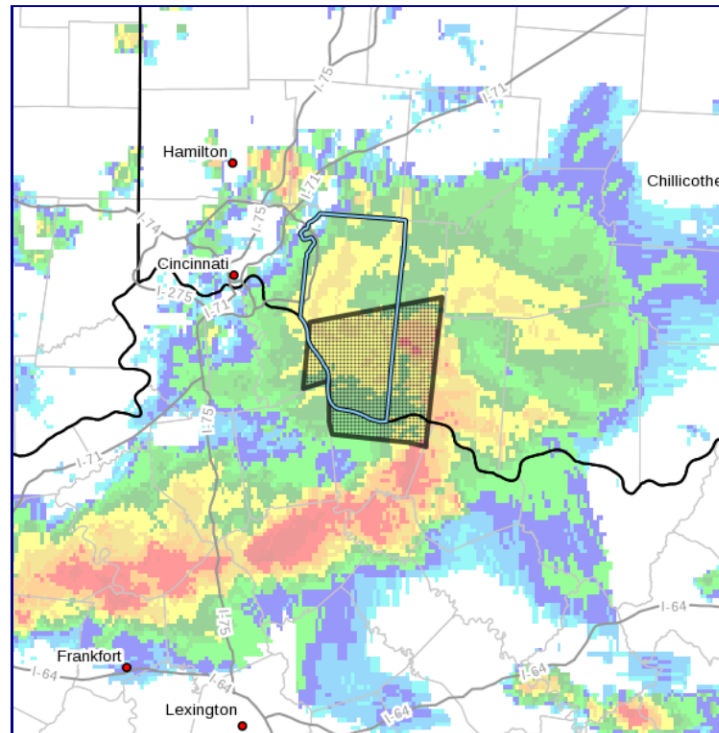
Get safety reminders, read tips to survive natural disasters, and customize your emergency checklist.



Locate open shelters and where to talk to FEMA in person (or on the phone).



Upload and share your disaster photos to help first responders.





Mitigation Actions

Utility Failure

- ❑ Tree trimming along utility lines
- ❑ Encourage critical facilities to develop Continuity of Operations Plans





Mitigation Actions

Hazardous Materials Accidents

- ❑ Continue annual LEPC exercises
- ❑ Maintain LEPC and Tier II reporting
- ❑ Update commodity flow study
- ❑ Public outreach regarding disposal of household hazardous waste





Mitigation Actions

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



Asian Longhorn Beetle



Emerald Ash Borer



Stink Bug



Gypsy Moth



Harmful Algal Blooms



Mitigation Actions

Public Health Emergencies

- ❑ Disseminate periodic outreach material to participating jurisdictions
- ❑ Increase opioid prevention and recovery resources



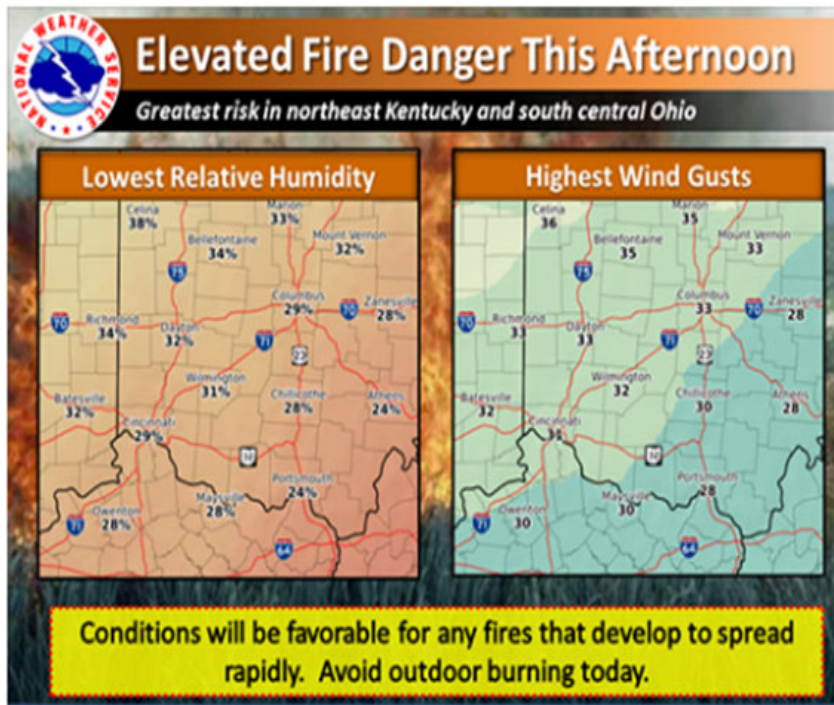
**Clermont County
Public Health**



Mitigation Actions

Severe Winter Weather

- ❑ Public education on winter weather safety



Wildfire

- ❑ Public education on smoking hazards, recreational fires, and red flag warnings



Mitigation Actions

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
- ❑ Coordinate with dam owners to rehabilitate High Hazard Potential Dams
- ❑ Coordinate with local communities to ensure they understand the risk



William H. Harsha Lake Dam



Stonelick Lake Dam



Mitigation Actions

Landslides

- ❑ Enforce slide-prone area ordinances to limit fill/dumping
- ❑ Enforce draining control regulations
- ❑ 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





Mitigation Actions

Terrorism/Civil Disturbance

- ❑ Encourage critical infrastructure to implement protective measures
- ❑ Coordinate with LE to ensure safety at large public gatherings
- ❑ Provide active aggressor guidance



NOAA's National Weather Service

Heat Index
Temperature (°F)

	80	82	84	86	88	90	92	94	96	98	100	102	104	106	108	110
40	80	81	83	85	88	91	94	97	101	105	109	114	119	124	130	136
45	80	82	84	87	89	93	96	100	104	109	114	119	124	130	137	
50	81	83	85	88	91	95	99	103	108	113	118	124	131	137		
55	81	84	86	89	93	97	101	106	112	117	124	130	137			
60	82	84	88	91	95	100	105	110	116	123	129	137				
65	82	85	89	93	98	103	108	114	121	128	136					
70	83	86	90	95	100	105	112	119	126	134						
75	84	88	92	97	103	109	116	124	132							
80	84	89	94	100	106	113	121	129								
85	85	90	96	102	110	117	126	135								
90	86	91	98	105	113	122	131									
95	86	93	100	108	117	127										
100	87	95	103	112	121	132										

Likelihood of Heat Disorders with Prolonged Exposure or Strenuous Activity

 Caution
 Extreme Caution
 Danger
 Extreme Danger

Extreme Temperatures

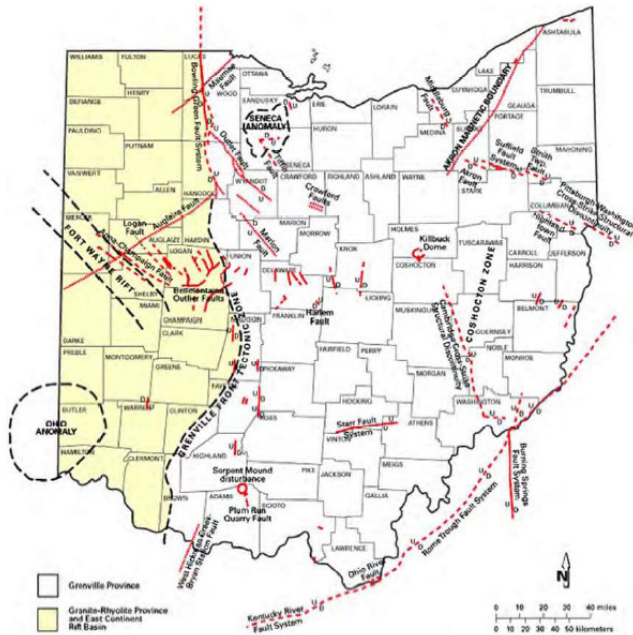
- ❑ Provide guidance for vulnerable populations
- ❑ Provide guidance on utility assistance programs



- ❑ Encourage farmers to purchase crop insurance
- ❑ Evaluate potential impacts of AI generating plants on water



- ❑ Provide education to foster earthquake awareness and mitigation





Next Steps & Questions

- ❑ Plan becomes effective with the first adoption and FEMA approval
- ❑ EMA will coordinate with Cities and Villages to adopt Plan
- ❑ EMA will coordinate with Townships to adopt Plan
- ❑ All communities will be eligible for disaster mitigation funds
- ❑ Plan will be reviewed annually during a regular LEPC meeting
- ❑ A comprehensive plan update will begin in 2029

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