

1 Protect lives and minimize injuries from hazard events.

Benefit Cost	Time Frame	Hazards Addressed	Description	Offices Responsible	Funding	Update
Medium	1-2 years	Flood	Construct retention and channel modification projects (Alumni Drive).	Facilities Management	Grants Internal External	Check FCR and Board approvals for details. Can remove.
High	3-5 years	Applicable to All Identified Hazards	Install Generators at identified university facilities.	CMP Physical Plant Division College of Agriculture	Internal External	Distinguish between full-load generators and partial-load generators, understand capabilities of full-load and where needed, including residence halls. Add to agenda for capital construction projects. Facilities Management will be responsible for this action.
Very High	As Needed	Forest Fire	Conduct fuel break restoration (4-H camps).	College of Agriculture	Internal	Fuel break restoration needs to continue at all 4-H Camps
Very High	When Needed	Severe Storm Tornado	Identify NWS approved shelters/FEMA safe rooms within new and existing buildings.	CMP EHS	Internal	Process/plan to update BEAPs across campus. EHS and UKPD to coordinate on new action.
High	2-4 years	Earthquake Severe Storm Tornado	Build storm shelters/safe rooms for 4-H camps and apply seismic retrofits to Western KY 4-H camps near the New Madrid fault.	CMP College of Agriculture CPM	Internal External	Safe rooms are included in the project, College of Agriculture is the lead.
High	When Needed	Applicable to All Identified Hazards	Identify and procure additional warning communication systems (digital media boards, network pop-ups, voice-over IP, etc.).	MP Office for Student Success Housing IT	Internal External	explore using digital signage boards to display messages during emergency,
High	When Needed	Severe Storm Tornado	Identify areas and pursue safe room construction.	CMP College of Agriculture	Internal External	Safe room needs to be built and confirm funds availability, other farm locations need a safe structure for severe weather, clarify difference between two safe room/shelter actions; determine where true safe rooms are needed.
Medium	3-5 years	Karst/Sinkhole	Conduct assessment, monitor and incorporate structural designs and new construction requirements for areas susceptible to subsidence including non-campus facilities.	CMP CPM Facilities Information Service Facilities Management GIS Kentucky Geological Survey	Internal	Due to the nature of ongoing development construction, this activity will continue, FM will lead this effort.

2023 Update	2023 Status
Complete.	Removed.
Generators are being installed. This action has been updated to included documenting the type of generator and need in the 2023 plan update.	Mitigation Actions 3 and 29
This action is an ongoing need and is included in the 2023 plan update.	Mitigation Action 18
This action is an ongoing need and is included as an updated action in the 2023 plan update.	Mitigation Actions 8 and 21.
This mitigation action is project related is included in the 2023 plan update.	Mitigation Actions 18 and 19
See Mitigation Action 13.	Mitigation Action 13
Once funding and appropriate available space is identified, design and construction safe room at UKREC locations	See Mitigation Actions 18 and 19
This mitigation action is included in the 2023 plan update.	Mitigation Action 4

2 Protect university property, organizational information, and research from hazards and threats.

Benefit Cost	Timeframe	Hazards Addressed	Description	Office Responsible	Funding	Update
High	When Needed	Severe Storm	Install Lightning Protection for campus buildings.	Facilities Management	Internal	Included, continue for new buildings and evaluate for whole building renewals
Medium	3-5 years	Hailstorm Severe Storm Severe Winter Storm Tornado	Re-do utility lines at all 4-H camps throughout the state so that they are underground.	College of Agriculture	Internal External	Included, continue to pursue underground utilities at all 4-H Camps
Medium	3-5 years	Applicable to All Identified Hazards	Identify location and secure funding for new police department.	CMP	Internal External	Included
Medium	3-5 years	Flood	Construct underground retention for Press Avenue watershed.	Facilities Management	Grants Internal External	Above ground detention near garage https://ukyfm.maps.arcgis.com/apps/webappviewer/index.html?id=d565140d8abc4aec835179e52d07c0e4 University Maintains an online map with stormwater BMPs including above and below ground storage. https://ukyfm.maps.arcgis.com/apps/webappviewer/index.html?id=d565140d8abc4aec835179e52d07c0e4
Medium	When Needed	Flood	Develop an Emergency Flood Protection Management system for UK's Good Samaritan Hospital.	Facilities Management	Unidentified	

This mitigation action is revised in the 2023 plan update.	Mitigation Action 5
This mitigation action is included in the 2023 plan update.	Mitigation Action 19
This mitigation action is included in the 2023 plan update.	Mitigation Action 6
Complete.	Removed.
This action is revised in the 2023 plan update. See Mitigation Action item 9.	

3 Enhance existing, or develop new university policies and practices that are designed to reduce damaging effects from hazards and threats.

Benefit Cost	Timeframe	Hazards Addressed	Description	Office Responsible	Funding	Update
Medium	When Needed	Applicable to All Identified Hazards	Establish procedures and guidance for Student Affairs to manage hazardous events that might affect students and campus community.	CMP Office for Student Success UKPD Operations	Internal	Office of Student Success is lead, add Housing/Auxiliary Services and EHS
Medium	Annually	Applicable to All Identified Hazards	Schedule visit by arborist to all 4-H Camps and other Agriculture facilities in order to assess trees and provide suggestions for regular branch trimming and tree removal.	CMP Physical Plant Division	Internal	This is ongoing based on interview. Dead ash trees pose a safety concern at 4-H Camps. CAFE allocates annual funds to remove trees that could impact buildings and high traffic areas.
Medium	1-2 years	Forest Fire Hailstorm Severe Storm Severe Winter Storm Tornado	Conduct tree inventory on main campus.	Physical Plant Division	Internal	Keep to maintain inventory and maintain tree health
Very High	When Needed	Applicable to All Identified Hazards	Complete development of Building Emergency Action Plans for all university buildings.	CMP Institution-wide	Departmental	Keep, constant activity, always building new buildings and improving BEAPs
Medium	1-2 years	Applicable to All Identified Hazards	Require incorporation of emergency instructions into campus policies.	CMP Housing Provost Real Estate Services Fire Marshal	Internal	Add EVP-FA, remove, capture intent in other actions
Very High	When Needed	Applicable to All Identified Hazards	Enforce current and update University Design and Construction Standards for new university-owned development.	CPM Facilities Management	Internal External	Remove because part of normal operations
Medium	When Needed	Applicable to All Identified Hazards	Assess and recommend back-up power generation needs campus-wide.	Facilities Management	External	Remove, roll into previous action
Medium	Annually	Applicable to All Identified Hazards	Assess the structural condition of all buildings owned by the University.	Facilities Management	Internal	Remove because part of normal operations

Reworded	Mitigation Action
This mitigation action is not included the 2023 plan update since it is part of ongoing operations.	Removed.
This action is included in the 2023 plan update.	Mitigation Action 7
Action item BEAPs	
Action item look at BEAPs above	Removed.
This activity was removed from the 2023 Plan Update. It is part of normal operations.	Removed.
This is included in plan. This continues to be a need with ongoing development and redevelopment.	Mitigation Action 3
This activity is not included in the 2023 plan update. It is part of normal operations.	Removed.

Very High	Annually	Applicable to All Identified Hazards	Maintain and exercise communication links and roles.	Institution-wide	Internal	Remove, intent captured in other actions	This activity is not included in the 2023 plan update. It is part of normal operations.	Removed.
Very High	Bi-annually	Applicable to All Identified Hazards	Train Campus Recreation staff and resident advisors (RA's) to respond to campus emergency hazards.	Campus Recreation Residence Life	Campus Recreation Department	Combine with action above, Auxiliary Services and Student Success to lead		Mitigation Action 15
Medium	When Needed	Applicable to All Identified Hazards	Provide support for Business Continuity Plan (BCP) development campus wide.	CMP	Internal	Keep, CMP still lead	This action is in the 2023 plan update.	Mitigation Action 8
Medium	Bi-annually	Applicable to All Identified Hazards	Establish Hazard Mitigation Workgroup to monitor five- year action plan and review disaster management measures.	CMP	Internal	Continue, change to maintain as living documents, rather than establish	Hazard Mitigation Workgroup will meet with the Center for Recovery and Resiliency at least annually to discuss successes and needs to implement the 2023 plan update.	Mitigation Action 33
Medium	When Needed	Applicable to All Identified Hazards	Record disaster management information in the statewide Community Hazard Assessment and Mitigation Planning System (CHAMPS).	CMP	Internal	Expectations with KYEM, Center for Recovery and Resiliency will lead	Record disaster management information with the UK Center for Disaster Recovery and Resilience.	Mitigation Action 14
Medium	3-5 years	Dam Failure	Conduct more detailed evaluation of facilities that are of 'severe' risk for dam failure and evaluate additional mitigation techniques for campus properties.	College of Agriculture Facilities Information Service (GIS) Facilities Management CMP	Internal	No impacts to UK Clery Act Campuses based on interview with CAFE and Risk Assessment results	Per risk assessment, there are no dams at this time that could impact UK Clery Act Campuses or 4-H Camps	Removed.
Medium	2-3 years	Flood	Conduct a storm water management study - Review Sanitary sewer system.	Facilities Management EHS	Internal	Add action for stormwater plan that relates to flow and volume as well as pervious and impervious surfaces, separate into two actions (stormwater and sanitary)	This action has been revised in the 2023 plan update.	Mitigation Action 9

4 Build stronger partnerships between government, educational institutions, business, and the community.

Benefit Cost	Timeframe	Hazards Addressed	Description	Office Responsible	Funding	Update		
Very High	When Needed Annually	Applicable to All Identified Hazards	Maintain Campus CERT Program.	CMP	Internal	Continue, improve interaction with LFUCG CERT, update refresher trainings	This action is an ongoing need and is included as an updated action in the 2023 plan update.	Mitigation Action 10
Medium	When Needed	Applicable to All Identified Hazards	Assign a member of UK Steering Committee to external hazard-related working groups.	CMP	Internal	Center for Recovery and Resiliency to participate in state committee, Office of Resilience to participate in LFUCG HMP, add EHS already participate in LEPC	This action is an ongoing need and is included as an updated action in the 2023 plan update.	Mitigation Action 11

5 Build disaster preparedness through mitigation education and outreach

Benefit Cost	Timeframe	Hazards Addressed	Description	Office Responsible	Funding	Update		
Medium	Bi-annually	Applicable to All Identified Hazards	Educate on personal preparedness and usage of disaster supply kits.	CMP Housing Office for Student Success	Internal External	Reevaluate, make higher priority, UKPD/CMP will lead	The University continues to provide outreach to the University community.	Mitigation Action 12
Medium	Annually	Earthquake Severe Storm Severe Winter Storm Tornado	Develop and distribute baseline informational materials (print, video, etc.) on shelter recommendations.	Institution-wide	Internal	Combine with shelter action above	This action is an ongoing need and is included as an updated action in the 2023 plan update.	
Medium	Annually	Applicable to All Identified Hazards	Maintain and update website and marketing materials for hazard mitigation.	CMP	Internal	Combined with below.	Through interviews with various departments the University provides information to the University community through various means, including UK Now, social media, and UK Alert.	Deleted. See new Mitiation Action 13
Medium	1-2 years	Applicable to All Identified Hazards	Identify and encourage the incorporation of available hazard mitigation education and outreach programs.	Institution-wide	Internal	Combine with above and below for overall education/outreach/communication action	This action is completed, but due to its nature is included in the 2023 Plan. Through interviews with various departments the University provides information to the University community through various means, including UK Now, social media, and UK Alert.	Mitigation Action 13
Medium	Quarterly	Applicable to All Identified Hazards	Build more awareness of UK Alert - Emergency education and awareness.	CMP Provost Public Relations Office for Student Success SGA	Internal	Combined.	This action is complete, but due to its nature is included in the 2023 Plan. Through interviews with various departments the University provides information to the University community through various means, including UK Now, social media, and UK Alert.	Mitigation Action 13