

University of Kentucky Hazard Mitigation Plan 2015



Prepared by the
*Division of Crisis Management and Preparedness and
The Center for Hazards Research and Policy Development
of the University of Louisville*



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Executive Summary



Why produce a Hazard Mitigation Plan?

► To reduce risk...

Disasters can cause loss of life; damage buildings and infrastructure; and have devastating consequences for a community's economic, social, and environmental well-being. Hazard Mitigation reduces disaster damages and is defined as a sustained action taken to reduce or eliminate the long-term risk to human life and property from hazards.

While local governments, regions, and the state have the responsibility to protect the health, safety, and welfare of their citizens, universities equally share this same responsibility for their student, staff, faculty, and visitors. Proactive mitigation policies and actions help reduce risk and create safer, more disaster resilient communities. Mitigation and floodplain management is an investment in the university's future safety and sustainability. Consider the critical importance of mitigation to:

- Protect public safety and prevent loss of life and injury.
- Reduce harm to existing and future development.
- Prevent damage to the university's unique economic, cultural, and environmental assets.

Mitigation is crucial to the faculty, staff, and students that commute to and/or reside in and around the University of Kentucky (UK). Hazard mitigation activities may be implemented prior to, during, or after an event. However, it has been demonstrated that hazard mitigation is most effective when based on an inclusive, comprehensive, long-term plan that is developed before a disaster occurs.

► To be in accordance with **Federal Standards...**

Section 322 of the Robert T. Stafford Disaster Relief and Emergency Assistance Act enacted under the Disaster Mitigation Act of 2000 (DMA 2000) established revitalized approaches to mitigation planning with a new requirement for Local Mitigation Plans. The UK Hazard Mitigation Plan (HMP) was developed and funded through the Pre-Disaster Mitigation (PDM) grant program and the Flood Mitigation Assistance (FMA) grant program; both part of the Hazard Mitigation Assistance (HMA) grants program of the Federal Emergency Management Agency (FEMA). The DMA 2000 emphasizes greater interaction between State and Local mitigation planning entities highlighting the need for improved linkages of hazard assessment and capability analyses. This can be accomplished through comprehensive risk assessments that form a solid foundation for decision-making, input from a wide range of stakeholders who play a key role in the implementation of mitigation actions, and who have committed to a mitigation strategy that is organized, easily referenced, and functions as a tool for tracking progress toward community resilience.

Hazard mitigation is any sustained action taken to reduce or eliminate the long-term risk to human life and property from hazards (44 CFR 201.2).

Disaster Mitigation Act of 2000

The purpose of the Stafford Act, as amended by the Disaster Mitigation Act of 2000, is "to reduce the loss of life and property, human suffering, economic disruption, and disaster assistance costs resulting from natural disasters."

Section 322 of the Act specifically addresses mitigation planning and requires state and local governments to prepare multi-hazard mitigation plans as a precondition for receiving FEMA mitigation project grants.

Why link floodplain management planning with the Plan?

While many jurisdictions develop and utilize a stand-alone HMP and floodplain management plan (FMP), UK saw an opportunity to address in-depth one of its most common hazards by merging the two planning methodologies into one effort.

As a university located within Lexington Fayette Urban County Government (LFUCG), UK has committed to becoming stronger and more resilient by adopting mitigation actions that are also in alignment with the 2011 Update of the LFUCG FMP. The LFUCG FMP provided vital information for developing UK's risk profile, and for identifying areas in need of mitigation strategies.

Floodplain Management is a decision-making process that aims to achieve the wise use of ... floodplains. "Wise use" means both reduced flood losses *and* protection of the natural resources and functions of floodplains.

FEMA, National Flood Insurance Program (NFIP) Floodplain Management Requirements: A Study Guide and Desk Reference for Local Officials, Unit 1: Floods and Floodplain Management, page 1-29). For more info:
<https://www.fema.gov/floodplain-management/floodplain-management-requirements>

What is the purpose of the UK HMP?

The purpose of the UK HMP is to set a strategy for building a more resilient campus community that will mitigate damages and losses caused by natural hazard events. The plan is the result of a systematic evaluation of the nature and extent of the vulnerability posed by the effects of natural hazards (risk assessment) and includes a five-year action plan to minimize future vulnerability (mitigation strategy), accompanied by a schedule that outlines a method for monitoring and evaluating plan progress (plan maintenance).

Navigate specific flood mitigation topics throughout the UK HMP that are in accordance with the FEMA Local Plan Review Guide and pertaining to Flood Mitigation Assistance (FMA) by searching for the "Flood" icon:



Which hazards does the UK HMP address?

The UK HMP assesses risk and outlines mitigation actions to address 12 natural hazards with a historical record or the potential to cause damage to the university community (see listing below). The hazard categories included in the plan are consistent with the 2013 Commonwealth of Kentucky Enhanced Hazard Mitigation Plan. Based on the best available quantitative and qualitative input, vulnerability to natural hazard events was calculated with the top hazards for insured losses as:

- Severe Storm: \$568,803
- Extreme Temperature (freezing, thawing, and subsequent water pipe bursts): \$490,395
- Flooding: \$80,356

Hazards Examined in 2015 UK HMP

- | | |
|-----------------------|-----------------------|
| ✓ Dam Failure | ✓ Hailstorm |
| ✓ Drought | ✓ Karst/Sinkhole |
| ✓ Earthquake | ✓ Landslide |
| ✓ Extreme Temperature | ✓ Severe Storm |
| ✓ Flood | ✓ Severe Winter Storm |
| ✓ Forest Fire | ✓ Tornado |

How is the UK HMP organized?

The UK HMP contains the following five sections, plus appendices:

- ✓ Planning Process
- ✓ Risk Assessment
- ✓ Mitigation Strategy
- ✓ Plan Maintenance
- ✓ Plan Approval

The **Planning Process** includes a narrative of how the plan was produced, who was involved, and what other policies and programs were reviewed to inform the plan. Key stakeholders were identified and organized into a steering committee and were invited to attend four publicly advertised meetings. Input provided during these meetings, work sessions, and other individual stakeholder meetings drove the formation of the risk assessment, mitigation strategy, and plan maintenance sections of the plan.

The **Risk Assessment** includes developing a profile for the 12 identified hazards as well as the identification, compilation, and integration of the existing hazard databases into one managed, university database contained in Geographical Information Systems (GIS). Once the hazards were identified, vulnerability was assessed on a building-by-building basis with extra weight placed on critical facilities. These maps provided the necessary information for the steering committee to examine past occurrences of hazards and assess probabilities in order to determine appropriate mitigation strategies to pursue in the future.

The **Mitigation Strategy** includes the determination of hazard mitigation goals and actions as identified during the planning process and based on a review of the risk assessment results. The plan developers also took inventory of UK's current capabilities and marked mitigation successes over the past five years.

The **Plan Maintenance** section outlines the steps for plan implementation which includes monitoring, evaluating, and updating the plan. The plan will be maintained through collaborative efforts of the university departments to allow for better incorporation of existing planning mechanisms.

The **Plan Approval** demonstrates UK's commitment to fulfilling the mitigation strategy. This section provides a description and documentation of the plan update submittal process. Following a period for public comment, UK submits the plan to KYEM for a state level review, then makes any required revisions. KYEM then submits the plan to FEMA Region IV for review and approval, pending local (university) adoption. Once certified approvable by FEMA, UK submits the plan to the University Board of Trustees for formal adoption, then resubmits to State and FEMA for final review and approval. A signed copy of the formal adoption is included in [Appendix 3](#).

Mitigation Planning Requirements

44 CFR Part 201

Text boxes in this color and shape are used throughout the plan to summarize the regulations in 44 CFR Part 201.

Exact CFR references applicable to each section help the reader understand the rule and/or planning requirements.

Introduction



Mission Statement

The University of Kentucky (UK) Hazard Mitigation Plan (HMP) update is designed to sustain the university by mitigating damage and losses caused by natural hazards.

Committing to the above mission statement through partner agreements at the first steering committee meeting was the first step of the UK HMP update process. Participation from both internal and external partner groups ensured an inclusive planning process that resulted in a risk assessment based on best available data and a new five year mitigation strategy for the university to pursue for the next five years, from 2015-2020. This policy document demonstrates UK's commitment to reducing the risks from natural hazards and shall serve as a guide for university decision makers and partners.

In accordance with the [FEMA Local Plan Review Guide](#), the UK HMP update fulfills the following basic requirements:

- A well-documented and inclusive planning process that welcomes public participation during draft plan development prior to approval.
- The opportunity for involvement of neighboring communities, including Lexington Fayette Urban County Government, Kentucky Utilities, and other universities.
- The review and incorporation of existing plans, studies, reports and technical information.
- A risk assessment that provides the factual basis for activities proposed in the mitigation strategy.
A mitigation strategy that provides the University's blueprint for reducing potential losses identified in the risk assessment.

In summary, the UK HMP shall serve as a guided work plan that integrates the planning efforts of university departments and divisions, neighboring local agencies, and private and nonprofit organizations for the creation and implementation of a comprehensive mitigation program.

University Profile

To provide context for the UK HMP update, the university is briefly described below by its mission, history, campuses and properties, department structure, campus population, occupancy, research and economic impact, infrastructure and critical facilities. The following subsections outline each of these profile attributes. For more information, visit the University of Kentucky Institutional Research and Advanced Analytics [website](#) for Fast Facts about UK.

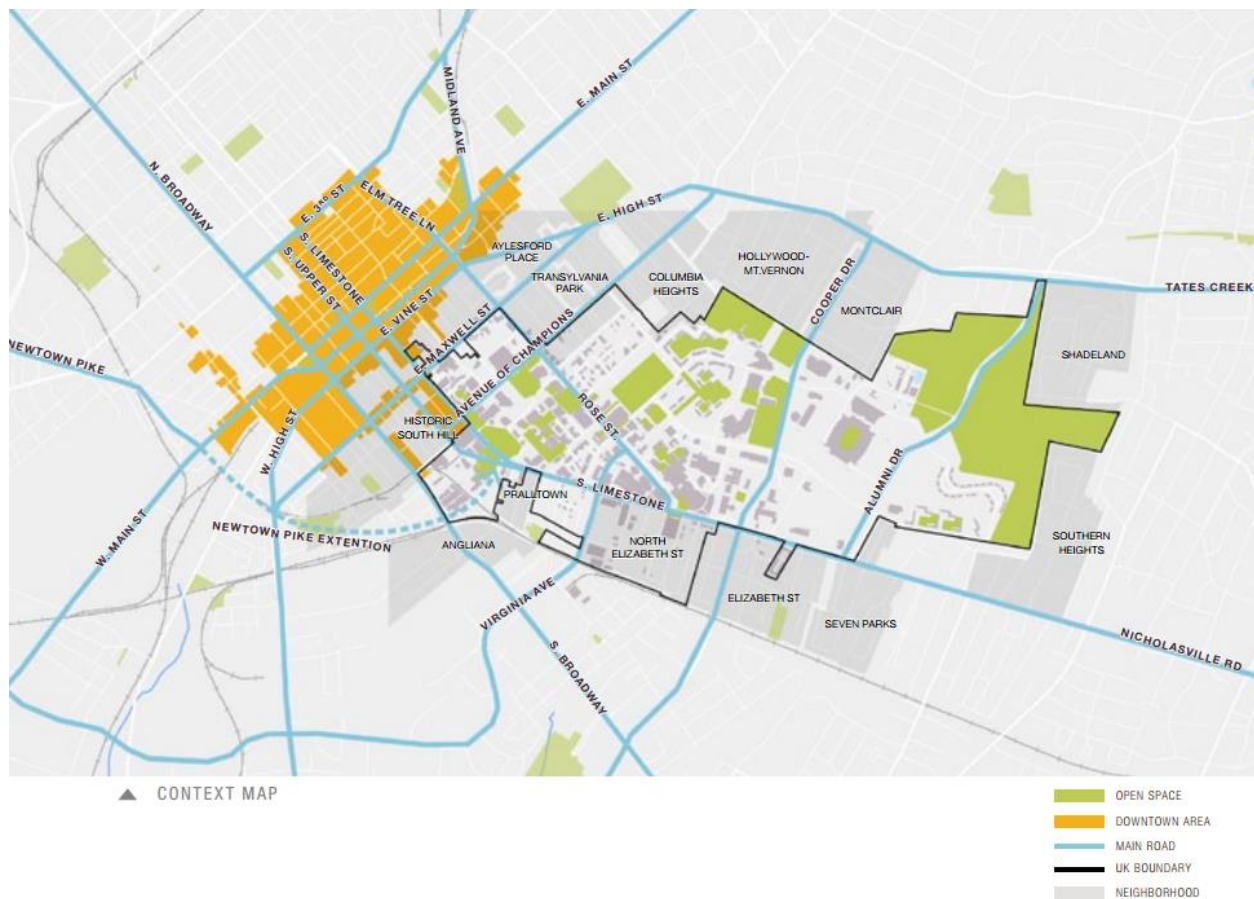
Mission

UK is a public, land grant university dedicated to improving people's lives through excellence in education, research and creative work, service and healthcare. As Kentucky's flagship institution, UK plays a critical role by promoting diversity, inclusion, economic development, and human well-being.

Planning Context

UK is located just south of downtown Lexington, Kentucky, with strong connections to the urban grid and surrounding residential neighborhoods. Significant streets connecting campus to downtown include Woodland Avenue, Rose Street, Limestone Street, Martin Luther King Boulevard, and, to a more limited extent, Broadway Road.

Limestone Street is the most prominent street corridor through the campus. Major campus cross streets intersecting Limestone include Alumni Drive, Cooper Drive, Virginia Avenue/Huguelet Drive, Euclid Avenue/Avenue of Champions, and Maxwell Street. The Newtown Pike extension will become a significant campus gateway into the future.



Map Source: University of Kentucky Campus Master Plan (2013)

Historic South Hill, Grosvenor/Woolfort, Aylesford Place, Transylvania Park, and Woodland Triangle are neighborhoods between the north edge of campus and downtown Lexington. Each neighborhood has a significant number of high-quality single-family homes, mixed with student apartments of varying character. The Columbia Heights, Hollywood/Mt. Vernon, and Montclair neighborhoods to the northeast of campus also contain a mix of single family homes and student housing.

Shadeland, Southern Heights, and Glendover are located to the south of the University, next to the campus arboretum.

Pralltown, North Elizabeth Street, Elizabeth Street, Seven Parks, Cherokee Park, Suburban Court, Penmoken Park, and WGPL are neighborhoods along Nicholasville Road that have, to differing degrees, seen an increase in student centers that has altered neighborhood characters.

The majority of the land obtained by UK is located off the Lexington campus. According to the Electronic Barcoded Assets Resource System (EBARS) this land is located in the following locations:

Lexington Campus Snapshot



Lexington Campus Area

Land Area	804 acres
Non-residential Buildings	13,314,528 GSF
Residential Buildings	2,195,299 GSF
Undergraduate Housing Beds	5,285
Graduate Housing Beds	624

[Source: Campus Master Plan \(2013\)](#)

Other UK-owned Facilities

Campus ID LIST	Campus
23	Paducah, KY
24	Hazard, KY
25	KY Geological Survey (field Henderson)
52	Robinson Forest
53	Lake Cumberland 4-H
56	C. Oran Little Research Center
58	Coldstream Farm
60	Eden Shale Farm
68	J.M. Feltner 4-H
70	Maine Chance Farm
74	North Central 4-H
76	Poultry Farm
80	Robinson Substation
82	South Farm
84	Spindletop Farm
86	West Kentucky 4-H
88	West Kentucky Substation
90	Forestry & Wood Technicians SC

Enrollment

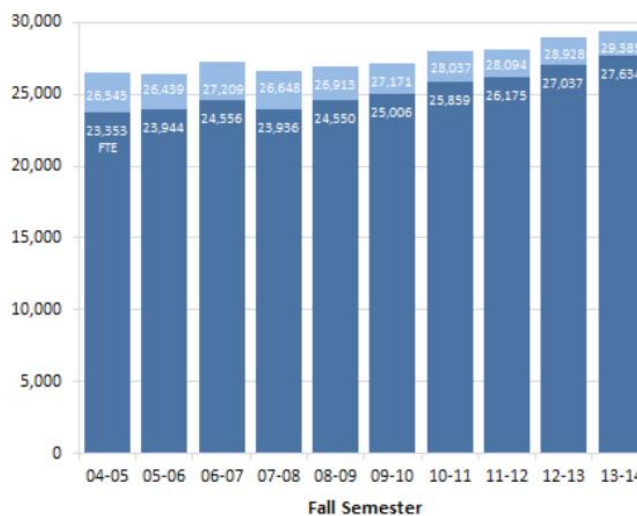
Headcount and Full-time Equivalent

Fall 2013 Headcount

Level	Full-time	Part-time	Total
Undergraduate	19,884	1,557	21,441
Graduate*	5,774	1,220	6,994
Subtotal (IPEDS)	25,658	2,777	28,435
UG Auditors	1	53	54
Postdoctoral	242	0	242
House Staff	654	0	654
Total (CPE)	26,555	2,830	29,385

FTE calculations have been revised in accordance with CPE guidelines. The new method uses a formula that weights the number of student credit hours by students' degree level.

*Note: Beginning in 2009-10, federal reporting guidelines for enrollments eliminated the first-professional degree category and established a new Doctor's Degree - Professional Practice category. These degree programs are now subsumed under the graduate classification.



Degrees Conferred

2011-2012

College	Bacc.	Mast.*	Doc.**
Agriculture	580	79	38
Arts & Sciences	1144	136	81
Business & Economics	652	161	19
Communication & Information	346	87	5
Dentistry	-	2	56
Design	53	31	
Education	389	265	37
Engineering	395	86	34
Fine Arts	127	24	19

* Includes Specialist degrees

** Includes Doctor's Degrees (Research/Scholarship) and Doctor's Degrees (Professional Practice)

College	Bacc.	Mast.*	Doc.**
Grad. School	-	65	6
Grad. Ctr. for Toxicology	-	3	4
Health Sciences	62	95	104
Law	-		128
Medicine	-	25	151
Nursing	211	6	31
Pharmacy	-	3	135
Public Health	-	85	13
Social Work	63	146	3
Total	4,022	1,299	864

Full-Time Employees

2013-2014

Full-Time Employees	President's Office	Educational Units	Provost		Health Affairs	Research	Total	% Total
			Administration/ Support	Finance and Administration				
Exec./Admin./Managerial	46	195	86	66	103	40	536	4.3%
Faculty	0	2,225	0	0	0	2	2,227	17.9%
Library Faculty	0	6	54	0	0	0	60	0.5%
Other Professional	209	1,912	380	222	1,467	261	4,451	35.8%
Secretarial/Clerical	75	1,155	214	143	695	52	2,334	18.8%
Tech./Paraprofessional	10	176	100	612	193	32	1,123	9.0%
Skilled Crafts	6	26	5	152		3	192	1.5%
Service/Maintenance	23	829	53	153	373	76	1,507	12.1%
Total	369	6,524	892	1,348	2,831	466	12,430	100.0%

Note 1: Percentages may not total properly due to rounding.

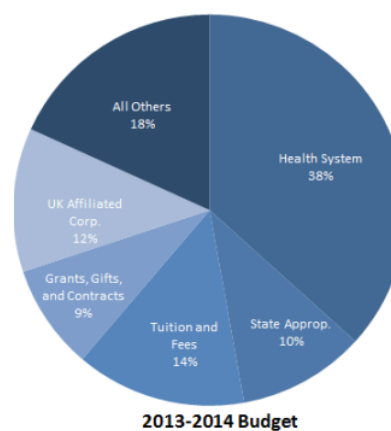
Note 2: The President's Office includes staff from the Athletics Department and the Offices of the General Counsel, Institutional Advancement, and Commercialization and Economic Development.

Note 3: Starting in 2006-07, library faculty are reported to the federal government in the other professional category. For this publication, library faculty are classified separately.

Revenue

In Millions

Source of Funds	Revised Budget	Budget
	2012-13	2013-14
State Appropriations	\$283.9	\$283.9
Student Tuition and Fees	338.6	380.0
County Appropriations	19.2	22.1
Endowment and Investment Income	17.6	21.5
Federal Appropriations	18.5	18.3
Gifts, Grants and Contracts	218.0	235.4
Sales and Services	23.2	22.1
Hospital Services	985.5	994.3
Auxiliary Enterprises	178.7	186.6
UK Affiliated Corporations	337.7	322.6
Appropriated Fund Balances - University	213.5	217.3
Transfers	3.8	5.1
Total	\$2,638.2	\$2,709.2



Expenditures

In Millions

Program	Revised Budget 2012-13	Budget 2013-14
Instruction	\$357.1	\$374.0
Research	274.2	271.9
Public Service	332.7	339.7
Libraries	24.9	25.5
Academic Support	99.3	106.4
Student Services	36.2	36.0
Institutional Support	145.6	155.3
Operations and Maintenance	70.5	74.4
Student Financial Aid	124.1	135.6
Transfers		
Capital Transfers	1.1	1.9
Mandatory Transfers	19.5	11.6
Auxiliary Enterprises	150.5	161.0
Transfers		
Capital Transfers	14.1	17.6
Mandatory Transfers	13.7	12.9
Hospital Services	929.2	938.8
Transfers		
Capital Transfers	0.0	0.0
Mandatory Transfers	45.5	46.6
Total	\$2,638.2	\$2,709.2

Category	Revised Budget 2012-13	Budget 2013-14
Personnel Services	\$1,270.4	\$1,300.1
Operating Expenses	1,106.1	1,145.6
Financial Aid	124.1	135.6
Capital Outlay	43.7	37.4
Transfers		
Capital Transfers	15.3	19.5
Mandatory Transfers	78.6	71.0
Total	\$2,638.2	\$2,709.2

Critical Facilities

Prior to updating the risk assessment, steering committee members reviewed and updated a listing of critical infrastructure and facilities to determine which structures were to be designated as critical facilities. The planning team approved the following definition for critical facilities:

Assets to the university, essential to its functioning and the destruction of which would cause a serious impact on the continued operation of the university. Buildings selected under this definition include: Campus police, fire, emergency operations, major technology nodes, and structures containing major campus power feeds/supplies.

Below are the buildings that have been identified as 'critical' by the planning team:

Bldg No.	Bldg Name	City
	Backup Server	Frankfort
518	Biological/Biomedical Research Bldg Generator Bldg	Lexington
514	Biological/Biomedical Research Bldg Utility Plant	Lexington
145	Blanding Tower	Lexington
4	Central Heating Plant #2	Lexington
293	Chandler Medical Center and Hospital	Lexington
89	Cooling Plant #1	Lexington
204	Cooling Plant #2	Lexington
1200	Electrical Substation #1	Lexington
217	Electrical Substation #2	Lexington
1201	Electrical Substation #3	Lexington
5	Frank D. Peterson Service Bldg	Lexington
495	Hardymon Communications Building	Lexington
284	Kentucky Clinic (aka Ky. Clinic Wing 'D')	Lexington
148	Kirwan Tower	Lexington
45	McVey Hall	Lexington
85	Medical Center Heating and Cooling Plant	Lexington
198	Parking Garage #2	Lexington
27	Patterson Office Tower	Lexington
23	Police (Safety and Security)	Lexington
612	Samaritan Chiller Building	Lexington
8633	UK HealthCare-Good Samaritan Hospital	Lexington
223	Warren Wright Medical Center (aka Ky. Clinic Wings 'A', 'B' & 'C')	Lexington

Development Trends

An examination of development trends provides UK the basis for making decisions on the type of mitigation approaches to consider, and the locations where these approaches can be implemented. Campus master planning at UK has developed long-range strategies for the growth and transformation. Common to all recent plans is a belief that no single issue can be considered in isolation. Physical planning interrelates buildings, infrastructure, open spaces, transit, site ecology, stormwater management, and other hazards.

The history of UK Planning began in 2002 with a plan that focused on creating academic communities, connecting to downtown Lexington, and growing sustainably. The frameworks of that plan guided recent development such as the new medical campus, residential facilities, and the Newtown Pike campus entrance. The most recent Master Plan (2013) guides the physical investment on the Lexington campus for the next 10 years and beyond.

UK is a public research university that will inevitably need to grow, given the goal to become one of the top 20 public research universities in the nation. The development capacity framework generally establishes the boundaries of the UK campus and identified where development should occur to accommodate new facility needs and make the most efficient use of University land.

The university plans to concentrate current and future facility needs within its current landholdings to the extent possible. The university has defined an acquisition area boundary for the limited purchase of land along the edges of the campus. The recent acquisition of the Lexington Theological Seminary extends the campus boundary west of Limestone, but few other boundary expansions are anticipated currently. Medical district expansion will continue west of Limestone within the defined acquisition boundary.

The following page from the UK Master Plan Facilities Program shows facility needs that were identified in 2013 as priorities. In addition to the Campus Master Plan, UK Capital Project Management also [tracks projects](#) during the phases of design, bidding, and construction. These development trends have all been taken into consideration during the UK HMP update process.

Master Plan Facilities Program



Map Source: University of Kentucky Campus Master Plan (2013)

Current Projects (Approved 2013)

- ① Gatton School of Business and Economics renovation and addition
- ② New academic science building
- ③ Commonwealth Stadium renovation
- ④ On-campus student housing
- ⑤ New soccer and softball facilities

Possible Near-Term Projects

- ⑥ MLK Library renovation and reuse
- ⑦ New dining facilities
- ⑧ Student Center renovation and addition, including dining
- ⑨ New South Campus student commons
- ⑩ New baseball facilities
- ⑪ Johnson Center addition
- ⑫ Campus landscape and pedestrian improvements
- ⑬ Proposed parking structure

Potential Future Projects

- ⑭ Law School renovation and addition
- ⑮ Chemistry-Physics Building renovation or replacement
- ⑯ Taylor Education/Dickey Hall renovation
- ⑰ BBSRB2 new construction
- ⑱ Patterson Hall renovation
- ⑲ Alumni Gym renovation
- ⑳ Recreation fields and marching band field
- ㉑ Boone Tennis Center expansion
- ㉒ Additional parking structures
- ㉓ Washington Street closing and landscape improvements
- ㉔ Fine Arts/Singletary Center renovation and addition
- ㉕ Campus core renovations

Medical Center Projects

- ⑳ Continued hospital build-out
- ㉑ Medical Services
- ㉒ Icon Building
- ㉓ Dentistry clinical renovation



1. Planning Process

A comprehensive description of the planning process informs citizens and other readers about the manner in which the plan was developed. Retention of leadership, staffing, and in-house knowledge may fluctuate over time. Therefore, the description of the planning process serves as a permanent record that explains how decisions were reached through stakeholder input.

Capturing a narrative of the planning process is crucial for three reasons:

- Documenting steps as they are completed allows plan developers to determine what needs to be done for a plan update.
- The narrative becomes a detailed record of how and why the plan was prepared.
- Documenting the planning process is a requirement under the rule.

Local Mitigation Planning Process

§201.6(b): The plan shall include a description of the planning process used to develop the plan, including how it was prepared, who was involved in the process and how local agencies participated.

The following section describes the University of Kentucky Hazard Mitigation Plan (UK HMP) update process by summarizing the contributions of the Planning Team, Steering Committee, community participation, outreach methods, and the incorporation of existing planning mechanisms.










1.1 Documentation of the Planning Process

Planning Team

The UK plan update process was coordinated by the UK Division of Crisis Management and Preparedness (CMP) with the assistance of the University of Louisville Center for Hazards Research and Policy Development (CHR). Duties included meeting and work session facilitation, data collection, risk assessment analysis, mitigation strategy development, and plan assembly. The following lists members of the Planning Team (See [Appendix 4](#) for Planning Team Contact Information):

- UK Division of Crisis Management and Preparedness
 - Capt. Tom Matlock, Crisis Management & Preparedness Captain
 - Lt. Jonathon Barefoot, Crisis Management & Preparedness Lieutenant
 - Laurel Wood, Business Continuity Coordinator
- UofL Center for Hazards Research and Policy Development:
 - Dr. David Simpson, Executive Director
 - R. Josh Human, Director
 - Andrea S. Pompei Lacy, Project Manager
 - Ben Anderson, Project Manager

The planning process in theory is linear, but in practice becomes a series of iterations to execute a system that accommodates various university departments with different levels of knowledge and responsibility. The process for the 2015 UK HMP update was organized by the following steps:

Planning Process Steps		Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15
1 Complete Planning Process							
Steering Committee Meeting #1							
Purpose: Kick-off and data collection		11/7					
 Flood mitigation project presentation							
Steering Committee Meeting #2							
Purpose: Risk assessment results				1/23			
 Flood vulnerability results							
Steering Committee Meeting #3							
Purpose: Mitigation Funding and Project Examples					2/27		
 Flood mitigation strategy discussion							
Steering Committee Meeting #4							
Purpose: Draft plan review, plan maintenance						3/31	
 Draft flood mitigation strategy review							
Small Group Work Sessions							
Purpose: Data collection, mitigation strategy				1/8	2/13		
 Flood management discussions							
Individual Stakeholder Calls and Meetings							
Post Draft Plan for Stakeholder Review							
Submit for Approval to State and FEMA							
2 Update Risk Assessment							
Review and Update Identify and Profile Sections							
Purpose: Show historical hazard events							
 Review and Update Flood Identify and Profile Sections							
Purpose: Update historical flood events							
Review and Update Vulnerability Assessment							
Purpose: Demonstrate areas of campus vulnerability							
 Review and Update Flood Vulnerability Assessment							
Purpose: Demonstrate areas of flood vulnerability							
3 Update Mitigation Strategy							
Review and Update Goals and Actions							
Purpose: Demonstrate mitigation successes							
 Demonstrate flood mitigation successes							
4 Update Plan Maintenance Process							
Review and Update Plan Maintenance Procedures							
Purpose: Revise and commit to new procedures							
 Revise and update flood plan maintenance steps.							



1.2 Public and Local Agency Involvement

While the planning team was responsible for leading and facilitating the plan development process, input from steering committee members and other stakeholder groups ensured that the plan represents the entire university.

Once the planning team identified stakeholder groups to be represented on the committee, an email was sent to each, requesting commitment to the plan development process (See [Appendix 5](#) for sample commitment form) that included a schedule of four steering committee meetings throughout a six month period (See [Appendix 6](#) for meeting records).

To expand the reach across the general campus community, the planning team posted meeting information on publicly accessible websites, social media, and university-wide email listservs, and when needed through telephone calls.

Local Mitigation Plan Documentation

§201.6(b) requires the plan to contain a discussion of how the planning process involved local agencies and other interests and how the planning process allowed for public comment.

§201.6(c)(1)-The Hazard Mitigation Plan shall document the planning process used to develop the plan, including how it was prepared, who was involved in the process, and how the public was involved.

Participants in the plan update process include a cross-section of the university community; most prominently key staff from university departments who are responsible for implementing the five-year action plan, and other local, regional, and state agencies; all that represent the community-at-large. The list below shows stakeholder groups that were key contributors to the development of the plan (See [Appendix 7](#) for meeting attendance), not only having attended publicly advertised steering committee meetings, but also in their role as active providers of information, which was captured outside of committee meetings through email, phone, and two small group work sessions:

Plan Stakeholder Groups

Internal Stakeholders (UK)

- | | | | |
|-----------------------------------|----------------------------------|----------------------------------|---|
| ▪ Athletics | ▪ Auxiliary Services | ▪ Campus Physical Plant Division | ▪ Campus Services |
| ▪ Capital Project Management | ▪ College of Agriculture | ▪ College of Arts & Sciences | ▪ College of Dentistry |
| ▪ College of Medicine | ▪ College of Pharmacy | ▪ Conference Housing | ▪ Executive Vice President for Finance and Administration |
| ▪ Facilities Information Services | ▪ Facilities Management | ▪ General Accounting | ▪ Good Samaritan Hospital |
| ▪ Hazardous Materials and Waste | ▪ Human Resources Administration | ▪ Information Technology | ▪ Institutional Research |
| ▪ Kentucky Clinic | ▪ Kentucky Geological Survey | ▪ Laboratory Animal Resources | ▪ Martin School for Public Policy & Administration |



Plan Stakeholder Groups, cont'd

Internal Stakeholders (UK)

- Medical Center
- Occupational Health & Safety
- Office for Institutional Diversity
- Office of Development
- Office of Legal Counsel
- Physical Plant
- Plant Assets
- Provost
- Student Affairs
- Student Involvement
- University Relations
- Vice President for Research

External Stakeholders

- American Red Cross
- Columbia Gas
- Bell Engineering
- Kentucky Division of Emergency Management
- Kentucky American Water
- Kentucky Utilities
- Lexington Fayette Urban County Government Division of Emergency Management
- Lexington Fayette Urban County Government Fire Department
- LexTran

Steering Committee and Small Group Work Sessions


To ensure stakeholder involvement, the planning team conducted four publicly advertised steering committee meetings in addition to two small group work sessions and multiple individual stakeholder meetings. This section describes each meeting and how it accomplished both objectives for the update of the HMP and flood mitigation measures. The below table lists meeting date ranges from the plan development process (For meeting documentation see [Appendix 8](#)):

Planning Process Steps	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15
1 Complete Planning Process						
Steering Committee Meeting #1 <i>Purpose: Kick-off and data collection</i> Flood mitigation project presentation	11/7					
Steering Committee Meeting #2 <i>Purpose: Risk assessment results</i> Flood vulnerability results		1/23				
Steering Committee Meeting #3 <i>Purpose: Mitigation Funding and Project Examples</i> Flood mitigation strategy discussion			2/27			
Steering Committee Meeting #4 <i>Purpose: Draft plan review, plan maintenance</i> Draft flood mitigation strategy review				3/31		
Small Group Work Sessions <i>Purpose: Data collection, mitigation strategy</i> Flood management discussions			1/8	2/13		
Individual Stakeholder Calls and Meetings						



Steering Committee Meeting 1: November 7, 2014

Purpose: Introduce members to the concept of mitigation, the plan update process, discuss and inform about hazards affecting UK.

 Provide updates on university flood mitigation measures.

Description: Prior to the first meeting, a handout was distributed via email to orient members to the plan update process. This provided information on the phases of the planning process, benefits of mitigation planning, types of hazards examined, including flood, and plan update status, with a call for steering committee members to sign and return a partner agreement form.

To kick off the meeting, Chief Joe Monroe of the UK Police Department provided opening comments emphasizing the importance of mitigation and the reason for updating the plan. This was followed by an introduction of the planning team, who then provided updates on mitigation successes we have experienced since the initial plan adoption in 2010. Laurel Wood, Business Continuity Coordinator, and Josh Karrick of Bell Engineering gave presentations discussing projects that are in-process or have been completed, such as the UK/Nicholasville Road Flood Mitigation Project, the installation of new emergency notification towers, a new emergency generator, and the Alumni Drive culvert replacement (see [Mitigation Strategy](#) for more description on mitigation successes).



Laurel Wood and Tom Matlock of UK CMP shared mitigation success stories to over fifty participants at the first steering committee meeting.

Photo Source: CHR


For the second half of the meeting, Josh Human and Andrea Pompei Lacy of CHR summarized the plan update process and the requirements of the FEMA Disaster Mitigation Act of 2000 and the Local Mitigation Plan Review Guide Criteria. Other topics included the plan development timeline, mission statement, risk assessment, and other mitigation accomplishments over the past five years.

Once introduced to the plan update process, attendees were asked to fill out a 'Hazard Ranking Worksheet' and a form on 'Plan Information Needs'. The purpose of the ranking worksheet was to gauge perceptions and knowledge of which hazards the university was more susceptible to. For the purpose of identifying data sources, members shared sources of applicable data (Geographic Information Systems (GIS) files, official reports, plans, surveys, etc.) to which their respective agencies maintain and made arrangements to share for the purpose of informing the risk assessment section of the plan.

For supporting documentation of steering committee meeting 1, see [Appendix 8.1](#)



Small Group Work Session 1: January 8, 2015

- Purpose:**
- Update critical facilities
 - Identify new natural hazard occurrences
 -  Identify new flood hazard occurrences

Description: With over fifty attendees at the first steering committee meeting, it was understood that some smaller work sessions needed to be held in order to update the critical facilities listing and identify new areas of concern. This core work group was composed of representatives from the following departments:

- Athletics
- College of Arts & Sciences
- Crisis Management & Preparedness
- Environmental Health & Safety
- Facilities Information Services
- Physical Plant
- Risk Management



By using a projected map, participants were able to view identified areas of documented historic occurrences or concern. —During this time, information on hazards, such as flood and sinkhole threats were captured.

Photo Source: CHR

The two hour meeting was facilitated by CHR and began with a review of the 2010 critical facilities listing. In addition to updating this listing, the work group agreed upon a critical facilities definition with the intent of addressing shelter and alternate care facilities separately from the 2015 listing.

The second half of the meeting was focused on identifying areas where hazard occurrences have taken place in and around the Lexington Campus over the past five years. To aid in navigating the campus facilities, the room was equipped with a projected map showing all campus owned properties in Geographic Information Systems (GIS). This way the meeting organizers were able to create new points marking the location, type of hazard (e.g. flood), and amount of damage (if known). By taking this approach, the plan developers were able to capture information about events that were not documented in insurance claim records or other university databases.

For supporting documentation of small group work session 1, see [Appendix 8.2](#)



Steering Committee Meeting 2: January 23, 2015

Purpose: Share the preliminary results of the risk assessment and identify data gaps and sources.

Through peer-sharing, learn about internal and external mitigation successes.



Review preliminary flood risk assessment.

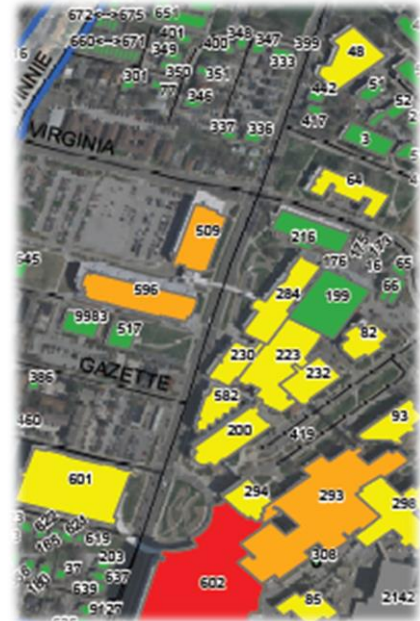
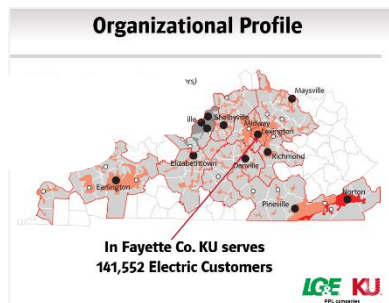
Description: For the first half of the meeting, Josh Human presented the preliminary risk assessment results. In order to demonstrate a more interactive “reveal”, the risk assessment maps were presented to the steering committee “live” in the GIS program that was projected on-screen. This allowed the planning team to demonstrate the complexity of the data and layers of information that are used to calculate the vulnerability scores, and most importantly the usefulness of mapping various elements for uses beyond the completion of the risk assessment for the plan. This new database can be shared and referenced among university departments when in need of maps for various purposes.

After a short break, special mini-presentations were given by representatives of both internal and external partner groups. These were organized so that meeting attendees might consider additional mitigation strategies and also acknowledge and celebrate noted accomplishments. The presentation topics and presenters were as follows:

“Disaster Response and Recovery Efforts for Local Utilities”

Keith Alexander, Kentucky Utilities (KU)

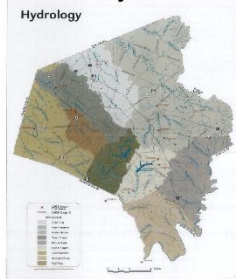
Keith described the approach of utility services to prepare for events, such as pole inspection, vegetation management, and other special mitigation considerations for UK to partner with KU.



The planning team shared the preliminary risk assessment results on a live interactive map that showed exposure, risk, and vulnerability to natural hazards events.

Photo Source: CHR

Fayette County Watersheds



“LFUCG Floodplain Management Planning”

Tom Martin, Lexington Fayette Urban County Government (LFUCG) Division of Planning

Tom presented on the LFUCG Floodplain Management Plan (FMP), discussing the history of flood mitigation up to present time. He described the nature of local flooding in Lexington-Fayette County and flood prone areas. Lastly, he discussed the purpose of the FMP and how it affects UK through existing regulations.



Structure and Purpose

- ▶ Emergency Planning Committee meets every second Friday of the month at 10:30am in a central location.
- ▶ Chaired by the Senior Associate Vice Present of Business Affairs, currently Mitchell Payne
- ▶ Committee has 30 members representing all areas of the university
- ▶ All emergency policies and plans are reviewed by the committee

“Coordinating an Emergency Planning Workgroup”

Kim Noltemeyer, University of Louisville (UofL)

Kim presented on the organization and administration of UofL’s Emergency Planning workgroup. This included a discussion about the structure and purpose of the group (see slide image on left), participating departments, sub-committee structure, and committee charges. This peer sharing experience provided insight as UK works to establish a hazard mitigation committee that will be charged with monitoring, tracking, and maintaining the UK HMP.

“Tornado Safe Rooms and Storm Shelter Planning”

Amanda LeMaster, Kentucky Division of Emergency Management (KYEM)

Amanda presented on the Hazard Mitigation Grant Program (HMGP) FEMA 361 Tornado Safe Room standards and made recommendations for UK to consider on their campuses. First, she introduced the meeting attendees to the definition of a safe room and different types along with the safe room criteria in order to be eligible for FEMA funding. Lastly she stated some questions for UK to consider if the university chooses to consider constructing one in the future.



“Coordinating a University Community Emergency Response Team”

Laurel Wood, UK Division of Crisis Management & Preparedness (UK-CMP)


Laurel presented on the organization and establishment of UK’s Campus Community Emergency Response Team (C-CERT). First, she discussed the origin of CERT, and it’s purpose during the time of a disaster. She then described the C-CERT curriculum that the UK team completed by Laurel’s instruction. Lastly, meeting attendees learned about the C-CERT functions at UK which include road closure and traffic direction, building evacuation, liaison roles, and fire suppression.


For supporting documentation of steering committee meeting 2, see [Appendix 8.3](#)



Small Group Work Session 2: February 13, 2015

Purpose: Review and approve mitigation goals.

 Discuss progress of 2010 mitigation action items, including flood.

 Decide whether to keep or remove action items, including flood.

Identify points of contact for action item follow-up.

Description:

The second small group work session was held to revisit the 2010 mitigation strategy for the purpose of updating UK's mitigation projects they session was to look at each action item, one-by-one, which the following sequence:

1. Discuss five year progress
2. Determine status as future, in-progress, or complete
3. If complete, decide whether to retain or remove from list
4. If future or in-progress, decide if action item needs editing or revisions
5. Add new 2015 action items

The small group work session proved to be a productive and efficient way to gather feedback and updates on the mitigation action items. Those action items that attendees were unsure of, the planning team took note of contacts to follow-up with after the meeting. Due to turnover from of UK CMP staff from the last plan update, there were a handful of action items that required additional follow-up to figure out where certain projects originated. Since the original 2010 HMP was well documented, the planning team were able to find the necessarily information to update the mitigation strategy.

For supporting documentation of small group work session 2, see [Appendix 8.4](#)

UK Mitigation Action Plan

In accordance to FEMA regulations, the Mitigation Action Plan must be updated every five years. We need your help providing updates and feedback on the below action items so we can demonstrate progress to FEMA and maintain our eligibility for future mitigation funding and guide our Emergency Planning Workgroup efforts (see proposed action item #37). In addition, this is an opportunity to identify new action items to add to the plan.

If you have updates, additions, or corrections that you would like to submit, please contact Andrea Pompei Lacy at andrea.pompei@louisville.edu or Laurel Wood at laurel.wood@uky.edu

Action	Description	Offices Responsible	2015
1	Conduct fuel break restoration (4-H camps).	Agriculture	
2	Work to connect 4-H camps to city sewer (London and Dawson Springs).	Agriculture	Complete
3	Construct retention and channel modification projects (Alumni Drive).	Facilities Management	In progress
4	Construct underground retention for Press Avenue watershed.	Facilities Management	Future
5	Create a bypass for main campus near Newtown Pike.	Facilities Management	
6	Identify NWS approved shelters in new and existing buildings.	EHS CMP	Ongoing
7	Educate on personal preparedness and usage of disaster supply kits.	CMP Housing Div. of Student Affairs	Ongoing
8	Complete Stormwater credit project.	Facilities Management EHS	Complete
9	Install Lightning Protection for campus buildings.	Facilities Management Parking & Transportation	Ongoing
10	Build storm shelters for extension facilities (4-H camps).	Agriculture	
11	Establish procedures and guidance for Student Affairs to manage hazardous events that might affect students and campus community.	CMP Div. of Student Affairs	Complete
12	Re-do utility lines at all 4-H camps throughout the state so that they are underground.	Agriculture	
13	Install Generators at all 4-H Camps and other Agriculture research facilities across the state.	Agriculture	
14	Schedule yearly visit by trained 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.	Agriculture	
15	Develop and distribute baseline informational materials (print, video, etc.) on shelter recommendations.	Institution-wide	Ongoing

The above image is a snapshot of the 2010 five year mitigation action plan in tabular format. During the small group work session, attendees reviewed each action item and discussed progress since the last plan update.

Image Source: CHR



Steering Committee Meeting 3: February 27, 2015

Purpose: Present and discuss the final results of the risk assessment.

Introduce and solicit input on the draft mitigation strategy



Introduce and solicit input on draft flood mitigation action items



Introduce participants to FEMA funding opportunities for flood and other natural hazards

Description: The first portion of the meeting was devoted to sharing the final risk assessment results and a discussion about the mitigation strategy update. Josh Human presented the risk assessment results by describing the method used to calculate vulnerability and discussed the highest vulnerabilities that UK has experienced in the past five years based on the data that had been provided. The meeting attendees then took a break to view and discuss eight printed maps that showed the university's asset exposure and the vulnerabilities to select natural hazards, including flood.



Above: To encourage feedback on the risk assessment maps, large printed maps were displaying on easels and time was designated for the steering committee to view and discuss. Below: Attendees were provided handouts that show the 2010 mitigation action plan and updates to each action item.

Photo and Image Source: CHR

Andrea Pompei Lacy then introduced the committee to the mitigation strategy goals and action items that were reviewed, refined, and updated during other small group work sessions. Attendees were provided with handouts showing the updated mitigation action items, and were asked to review and provide feedback following the meeting.

Lastly, Nick Grinstead, from the University of Kentucky Hazard Mitigation Grants Program Office, provided the committee and introduction to the FEMA Hazard Mitigation Assistance (HMA) program with a brief presentation. During this presentation, he described funding eligibility and benefit cost criteria that are necessary for grant qualification. The programs covered included the Pre-Disaster Mitigation (PDM) program, Hazard Mitigation Grant Program (HMGP), and Flood Mitigation Assistance (FMA) program.

For supporting documentation of steering committee meeting 3, see [Appendix 8.5](#)

UK Mitigation Action Plan


In accordance to FEMA regulations, the Mitigation Action Plan must be updated every five years. We need your help providing updates and feedback on the below action items so we can demonstrate progress to FEMA and maintain our eligibility for future mitigation funding and guide our Emergency Planning Workgroup efforts (see proposed action item #3). In addition, this is an opportunity to identify new action items to add to the plan.

If you have updates, additions, or corrections that you would like to submit, please contact Andrea Pompei Lacy at andrea.pompei@louisville.edu or Laurel Wood at laurel.wood@uky.edu

Action	Description	Offices Responsible	2013
1	Conduct fuel break restoration (4-H camps).	Agriculture	
2	Work to connect 4-H camps to city sewer (London and Dawson Springs).	Agriculture	Complete
3	Construct retention and channel modification projects (Alumni Drive).	Facilities Management	In progress
4	Construct underground retention for Press Avenue watershed.	Facilities Management	Future
5	Create a bypass for main campus near Newtown Pike.	Facilities Management	
6	Identify NWS approved shelters in new and existing buildings.	EHS CMP	Ongoing
7	Educate on personal preparedness and usage of disaster supply kits.	CMP Housing Div. of Student Affairs	Ongoing
8	Complete Stormwater credit project.	Facilities Management EHS	Complete
9	Install Lightning Protection for campus buildings.	Facilities Management Parking & Transportation	Ongoing
10	Build storm shelters for extension facilities (4-H camps).	Agriculture	
11	Establish procedures and guidance for Student Affairs to manage hazardous events that might affect students and campus community.	CMP Div. of Student Affairs	Complete
12	Re-do utility lines at all 4-H camps throughout the state so that they are underground.	Agriculture	
13	Install Generators at all 4-H Camps and other Agriculture research facilities across the state.	Agriculture	
14	Schedule yearly visit by trained 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.	Agriculture	
15	Develop and distribute baseline informational materials (print, video, etc.) on shelter recommendations.	Institution-wide	Ongoing



Steering Committee Meeting 4: March 31, 2015

- Purpose:** Educate about the National Weather-Ready Nation program and personal preparedness.
- Summarize and solicit feedback on the draft mitigation plan prior to plan approval.
-  Summarize and solicit feedback on flood mitigation planning items.

Description: The fourth and final steering committee meeting was conducted to both educate the university community about the National Oceanic and Atmospheric Administration (NOAA) Weather Ready Nation Program and also introduce the draft mitigation plan for public review prior to plan submittal and approval.

The meeting began with an energetic talk by Joe Sullivan, Meteorologist from the National Weather Service – Louisville office. Joe discussed the National Oceanic and Atmospheric Administration (NOAA) Weather-Ready Nation Program that promotes awareness weather preparedness. He shared tips on how individuals can contribute to storm spotting at the National Weather Service, discussed weather warning notification procedures, and information sources for the most accurate weather information.



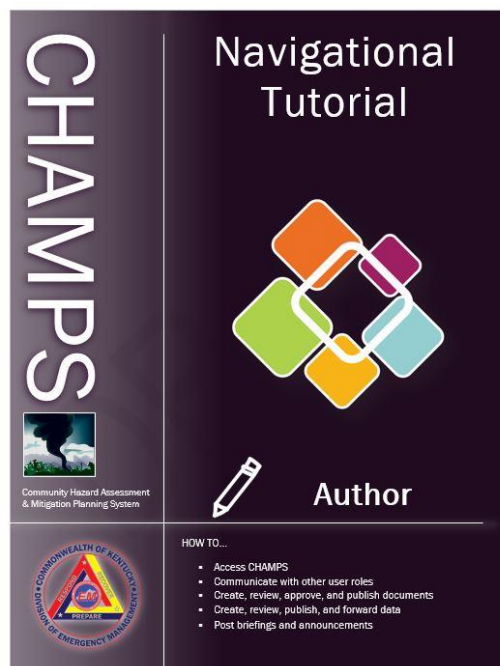
Above: Special guest, Joe Sullivan of NWS Louisville discusses personal preparedness and building a Weather-Ready Nation..
Below: The CHAMPS icon represents the five modules that the university can use for future mitigation initiatives:

Photo and Image Source: CHR

The second portion of the meeting was devoted to an introduction to the draft plan and of the Community Hazard Assessment and Mitigation Planning System (CHAMPS), a planning tool for UK to use to apply for grants, log hazard occurrences and damages, and build an inventory of existing infrastructure. The university committed to utilizing the system for the application of FEMA HMGP funding opportunities through the Projects module of the system.

Finally, attendees of the meeting were provided an opportunity to ask questions and provide input about the draft plan summary that was provided at the meeting as well as view hard copies of the risk assessment maps in a publicly accessible hallway, where students, faculty, and staff pass through on a regular basis.

For supporting documentation from of Steering Committee 4, see [Appendix 8.6](#).





Individual Stakeholder Meetings

While steering committee meetings and small group work sessions provided the opportunity for discussion and input across multiple agencies/sectors at one time, individual stakeholder meetings allowed the planning team to gather detailed and vital information from specific groups for the plan. The planning team held several phone calls and in-person meetings for the purpose of data collection to inform the risk assessment and to identify action items for consideration in the mitigation strategy update. Meetings were determined on an as needed basis throughout the plan development process.

Community Involvement

To include the public in the plan development process, the planning team employed multiple engagement methods and provided opportunities for public comment throughout. Below are the additional methods of community engagement (See [Appendix 8.7](#) for additional documentation).

1. **Public Meeting Announcements:** To encourage public involvement, all steering committee meetings were advertised by public meeting announcements through UK HMP plan update website and through postings in a daily electronic newsletter titled "UKNOW" that reaches faculty, staff, and students via email.
2. **UK HMP Website:** An alternative mode of informing the public about the planning process is on a webpage dedicated to the UK HMP plan update process that is housed on the UK CMP website. This page provided all meeting announcements, public comment forms, the draft plan, and any relevant meeting materials. It also provides the opportunity for the public to comment and provide input during the drafting stage and prior to plan approval.
3. **Public Involvement in Social Media:** Social Media was used as an alternative method of engaging the public. Updates and meeting announcements were posted on UK Police Department and CHR's Facebook pages.
4. **Open Steering Committee Meetings:** All of the steering committee meetings were advertised to the public for participation through each of the above described methods.



Above: Through a university-wide electronic newsletter, the planning team was able to advertise the plan update process and direct readers to the project website. Below: Postings on Facebook provided meeting information and links to the project website.

Image Source: UK CMP





1.3 Incorporating Existing Planning Mechanisms

The planning team reviewed several university, local, regional, and state data, and planning mechanisms to identify programs and policies that currently promote or could potentially further mitigation initiatives for UK. University departments and external agencies were requested to review common mitigation strategies, and inconsistencies and conflicts in policies, programs, and regulations, if applicable.

The following is a list of data, reports, plans, and manuals containing information that was considered for incorporation with the UK HMP:

Existing Plans and Reports

§201.6(b): The plan must address how existing plans, studies, reports, and technical information were reviewed, and if appropriate, incorporated into the plan.

Reports

[UK Fast Facts](#)

Updated Digital Flood Insurance Rate Maps (DFIRM)

Letters of Map Revisions in compliance with the National Flood Insurance Program (NFIP)

Plans and Manuals

[Commonwealth of Kentucky Enhanced Hazard Mitigation Plan \(2013\)](#)

[Lexington Fayette Urban County Government Hazard Mitigation Plan \(2013\)](#)

[University Business Continuity Plans](#)

University Emergency Operations Plans

[University Master Plan](#)

[University of Kentucky Strategic Plan](#)

Policies

[Building Emergency Action Plan Guidance](#)

[Campus Evacuation Procedures](#)

[Kentucky Life Safety Code](#)

[Severe Weather Communication Policies and Procedures](#)

[UK Alert Emergency Notification System](#)

[UK Campus Community Emergency Response Team \(CERT\)](#)

[UK Storm Ready](#)

[University of Kentucky Official Design Standards](#)

[University Organizational Charts](#)



1.4 Plan Adoption

Adoption by the university demonstrates a commitment to fulfilling the hazard mitigation goals and actions outlined in the plan. Also, updated plans are adopted to demonstrate recognition of the current planning process and commit to the prioritization of the five year action plan. The local jurisdiction (or in this case, university) submitting the plan must satisfy the prerequisites before the plan can be approved by FEMA.

The plan submittal process begins when UK submits the plan to KYEM for review and comment, then the university will incorporate any requested revisions. KYEM submits the plan to FEMA region IV for approval, pending local adoption status.

Once the plan is certified approvable by FEMA, UK submits the plan to the UK Board of Trustees for formal adoption and then resubmits to the State and FEMA for final review and approval. A signed copy of the executed Resolution and formal adoption by the Board of Trustees and President is included in [Appendix 3](#).

Local Mitigation Plan Prerequisites

§201.6(c)(5): [The local hazard mitigation plan shall include] documentation that the plan has been formally adopted by the governing body of the jurisdiction requesting approval of the plan (e.g., City Council, County Commissioner, Tribal Council).



2. Risk Assessment

The 2015 University of Kentucky (UK) Hazard Mitigation Plan (UK-HMP) assesses the university's risks and vulnerabilities. This section is to be used as the blueprint for the mitigation strategy.

The risk assessment section uses best available data received for the main campus and other UK facilities. This includes the first-hand knowledge from individual stakeholders, state and national datasets, and the use of Geographic Information System (GIS) for the assessment of the main campus, with supporting tables for off-campus facilities in Appendix 11.

This section of the Plan follows the "Local Mitigation Plan Review Tool" section "Hazard Identification and Risk Assessment" element B. The requirements for this section are described below:

- Does the Plan include a description of the type, location, and extent of all natural hazards that can affect each jurisdiction(s)? (Requirement §201.6(c)(2)(i))
- Does the Plan include information on previous occurrences of hazard events and on the probability of future hazard events for each jurisdiction? (Requirement §201.6(c)(2)(i))
- Is there a description of each identified hazard's impact on the community as well as an overall summary of the community's vulnerability for each jurisdiction? (Requirement §201.6(c)(2)(ii))
- Does the Plan address NFIP insured structures within the jurisdiction that have been repetitively damaged by floods? (Requirement §201.6(c)(2)(ii))

To complete the above elements the planning team decided to use a very similar methodology accomplished in other Kentucky based Hazard Mitigation Plans. This included breaking this section into three areas of examination.

1. Identify Hazard
2. Profile Hazard
3. Assessing Vulnerability

Each identified hazard was developed with one continuous Risk Assessment overview. This provides an independent review of each hazard following the three sections described above (Identify, Profile and Assessing Vulnerability). This allows the end users the ability to review all facets of each hazards complete Risk Assessment within one section.

Risk Assessment

§201.6(c)(2) requires local jurisdictions to provide sufficient information from which to develop and prioritize appropriate mitigation actions to reduce losses from identified hazards.

This includes detailed descriptions of all the hazards that could affect the jurisdiction along with an analysis of the jurisdiction's vulnerability to those hazards. Specific information about numbers and types of structures, potential dollar losses, and an overall description of land use and development trends should be included in this analysis.

FEMA Local Mitigation

Planning Handbook, page 5-3

Extent can be described in a combination of ways depending on the hazard.

FEMA Guidelines	UK Plan Location
-----------------	------------------

Scientific scale or measurement system	Identifying Hazard section
Measures of magnitude	Hazard Score
Warning time	Profile Risk Table
Duration of event	Profile Risk Table



Throughout the risk assessment, GIS spatial data, when possible, provides the baseline for the risk assessments developed for the Plan. GIS provides the architecture to facilitate an inventory of assets and hazards as well as providing the platform to calculate a building-by-building risk assessment. The maps developed through GIS production are used whenever possible to convey where spatially defined vulnerable areas are located. The maps created from this production also provide a visual tool for analysis of the data. The information developed throughout this section was guided and developed using the best available data. This included the approved 2013 Kentucky Hazard Mitigation Plan and many other sources, see References.

Each UK facility has received a risk score for each of the 13 hazards and is listed in tabular format in [Appendix 11](#). Here, each facility is ranked as low, moderate, high, or severe. For the sake of redundancy, each building is cross-listed with the associated Area Development District (ADD) plan that is applied to these geographic areas. Both the maps and tables were used for decision-making when determining the mitigation strategy update of the plan. For additional details about non main-campus facilities, please refer to ADD Multi-jurisdictional mitigation plans or more details can be provided upon request.

2.1 Identifying Hazards: Overview

This section provides a complete overview and **definition** of each hazard that could potentially affect the UK community. A complete understanding of each hazard better prepares decision makers, local agencies and residents on the causes of, potential damages contributed to, and possible scenarios of each hazard.

A list of U. S. natural hazards includes:

- | | |
|------------------|-----------------------|
| • Avalanche | • Hailstorm |
| • Coastal Storms | • Hurricane |
| • Dam Failure | • Mine Subsidence |
| • Drought | • Severe Winter Storm |
| • Earthquake | • Tornado |
| • Extreme Heat | • Tsunami |
| • Flood | • Volcano |
| • Forest Fire | • Windstorm |

Hazard Description Requirement

§201.6(c)(2)(i): [The risk assessment shall include a] description of the type...of all hazards that can affect the jurisdiction.

The plan includes natural hazards where there is a historical record of damage caused to people and property or where the potential for such damage exists within the area. Due to UK's climate, geology, and geographical setting, the university is vulnerable to a wide array of hazards that threaten life and property.

Through research of historic impacts, occurrences, dollar losses to date, review of the past State and Local Hazard Mitigation Plans and discussions with key agencies, the following twelve (12) hazards are assessed in the 2015 UK Hazard Mitigation Plan:



- | | |
|------------------------|-------------------------|
| 1. Dam/Levee Failure | 8. Karst/Sinkhole |
| 2. Drought | 9. Landslide |
| 3. Earthquake | 10. Severe Storm |
| 4. Extreme Temperature | 11. Severe Winter Storm |
| 5. Flood | 12. Tornado |
| 6. Forest Fire | |
| 7. Hailstorm | |

As mentioned before, each hazard will have an individual “Identify” section where the hazard will be described and defined.



2.2 Profiling Hazards: Overview

As noted in the last section, due to UK's geology, climate, and extensive geographical setting, the area is vulnerable to a wide array of hazards (see section titled, Identify Hazards: Overview) that threaten university life and property. The Profiling Hazards section describes each hazard's past, present and future effects on the university community through completing an extensive overview.

The UK hazard profiles have been created using the best available data from a variety of resources, including but not limited to the University of Kentucky Insurance Claim data, local interviews, hazard identification exercise, National Climatic Data Center (NCDC), National Weather Service (NWS), Kentucky Division of Water (KDOW), Kentucky Office of Geographical Information, Kentucky Geological Survey (KGS), Kentucky State Climatology Center, Midwestern Regional Climate Center (MRCC), FEMA Hazard Mapping website, multiple university/local agencies and local newspaper articles, 2013 Lexington Fayette County Hazard Mitigation Plan, as well as the 2013 Commonwealth of Kentucky Enhanced Hazard Mitigation Plan.

Public input was an invaluable local resource throughout the planning process. Stakeholder members attended steering committee/stakeholder meetings, completed a hazard identification exercise, and discussed information gathered from the sources listed above as well as their own general knowledge. Steering committee members discussed particular issues such as, past events and significant occurrences that did not warrant a declared disaster and how those events impacted the university community and properties.

The profile section provides the historical context for identifying the hazards. The following table displays presidential declaration occurrences since 2000, which provides background on the type, of natural disasters that have affected Kentucky and the UK.

Profiling Hazards Requirement

§201.6(c)(2)(i): [The risk assessment **shall** include a] description of the ... location and extent of all natural hazards that can affect the jurisdiction. The plan **shall** include information on previous occurrences of hazard events and on the probability of future hazard events.



Kentucky Presidential Declarations		
Incident Year	Hazards	Disaster Number
2014	Severe Storms, Flooding, Landslides, and Mudslides	4196
2012	Severe Storms, Tornadoes, Straight-line Winds, and Flooding	4057
2011	Severe Storms, Tornadoes, and Flooding	4008
2011	Severe Storms, Tornadoes, and Flooding	1976
2010	Severe Storms, Flooding, and Mudslides	1925
2010	Severe Storms, Flooding, Mudslides, and Tornadoes	1912
2009	Severe Storms, Straight-line Winds, and Flooding	1855
2009	Severe Storms, Tornadoes, Flooding, and Mudslides	1841
2009	Severe Winter Storm and Flooding	1818
2008	Severe Wind Storm associated with Tropical Depression Ike	1802
2008	Severe Storms, Tornadoes, Flooding, Mudslides, and Landslides	1757
2008	Severe Storms, Tornadoes, Straight-line Winds, and Flooding	1746
2007	Severe Storms, Flooding, Mudslides, and Rockslides	1703
2005	Severe Storms and Tornadoes	1617
2005	Severe Winter Storm and Record Snow	1578
2004	Severe Storms and Flooding	1537
2004	Severe Storms, Tornadoes, Flooding, and Mudslides	1523
2003	Severe Storms, Flooding, Mud and Rock Slides, and Tornadoes	1475
2003	Severe Storms, Flooding, Mud and Rock Slides, and Tornadoes	1471
2003	Severe Winter Storms	1454
2002	Severe Storms, Tornadoes and Flooding	1414
2002	Storms and Flooding	1407
2001	Severe Storms and Flooding	1388
2000	Severe Storms And Flooding	1320
2000	Tornadoes, Severe Storms, Torrential Rains And Flash Flooding	1310

Source: <http://www.fema.gov/news/disasters.fema>



Profiling Hazards

In order to stream line the dissemination of hazard information the planning team developed a common format to display multiple layers of information, including information on extent. The table format allows the end user to view a snap shot of the hazard and how it has not only impacted the university but also Fayette County and Kentucky as a whole, due to the fact that UK has properties located throughout the State and Fayette County. The following table describes the “Profile Risk Table” along with an explanation of each data element.

Profile Risk Table	
Period of occurrence:	When does this hazard occur?
Kentucky Number of events:	Number of events in Kentucky based on the 2013 Kentucky Hazard Mitigation Plan
Kentucky Probability of events:	Probability of the event occurring in Kentucky based on the 2013 Kentucky Hazard Mitigation Plan
Kentucky Past Damages	Report of damages occurring in Kentucky based on the 2013 Kentucky Hazard Mitigation Plan
Fayette County Number of events:	Number of events in the Fayette County area based on the 2013 Lexington-Fayette County Hazard Mitigation Plan
Fayette County Probability of events:	Probability of the event occurring within Fayette County based on the 2013 Lexington-Fayette County Hazard Mitigation Plan
Fayette County Past Damages	Report of damages occurring within Fayette County based on 2013 Lexington-Fayette County Hazard Mitigation Plan
UK Incidents:	Number of UK incidents per building
UK Damages Claimed:	Amount of damages that UK has claimed
Warning time:	Average warning time for this type of hazard – factor of Extent
Potential impact:	The potential impact this hazard could produce
Potential of injury or death:	The potential this hazard could cause injury or death
Potential duration of facility shutdown:	The potential duration that this hazard could cause a facility to shut down – factor of Extent
Extent:	The worth anticipated strength or magnitude of each identified hazard

The “Profile Risk Table” provides a summary of each hazards profile section. It provides the historical perspective of how the hazard has affected our community and university.

The following elements will be found in each hazard profile section:

- A “Profile Risk Table”, which summarizes the overall risk.
- A local description of each identified hazard and potential impact.



- Historical background on each identified hazard and a brief description of known events.

Understanding risk and each hazards potential effect on the UK community is imperative to the mitigation strategy and provides the information needed to understand the overall risk to the university. The following “Loss Matrix” table provides quantitative data that portrays which hazards have caused the most damages according to found insurance claim data and the hazard identification exercise. This data is used to display which hazards are most destructive based on university insurance claim data and stakeholder knowledge. While this data is limited in quantity, it does provide an identified snap shot of actual occurrences and losses. The data was used by the planning team to prioritize which hazards should receive the most consideration when justifying potential mitigation projects. Due to the fact UK does not have a lengthy record of loss and occurrence data, this data is used to show a very primitive loss estimation model based on the number of events divided by the total number of damages. In the future the university is planning on keeping a better record of occurrences and damages in order to improve their loss estimation methodology.

The University of Kentucky Loss Matrix:

Hazard Type	Frequency	Damages	Average Loss per event
Severe Storm	55	\$568,803.33	\$10,341.88
Extreme Temperature	17	\$490,395.70	\$28,846.81
Flooding	64	\$80,356.59	\$1,255.57
Landslide	1	\$9,353.00	\$9,353.00
Hail	3	\$7,450.00	\$2,483.33
Severe Winter Storm	5	\$2,772.00	\$554.40
Sinkhole	5	\$0.00	\$0.00
TOTAL DAMAGES		\$1,169,038.16	\$57,788.76 (Per Event)

Source: University of Kentucky Insurance and UK Officials

The Loss Matrix table provides a snap shot view of the damages each hazard has produced. The severe storm hazard has displayed the most potential to do damage to the university with flooding occurring more frequently. It is important to note, that hazards without damage records due immature record keeping should still be considered a risk to the university. Also, important to note, many hazards have a very low probability but a potential high magnitude, such as earthquakes



2.3 Assessing Vulnerability: Overview

The Assessing Vulnerability section uses best available data from national, state, and local data sources and was created using best available data and modeling techniques. The model used for the UK-HMP is based on the Center for Hazards Research and Policy Development's (CHR) recognized Hazard Vulnerability Score methodology. This model has been used for multiple state, local and university mitigation plans.

This model is very flexible and can be adjusted to fit the data and needs of particular institutions. The model provides an understanding of relative risk and vulnerabilities from hazards across the university. Uncertainties are inherent in any vulnerability/risk assessment, arising in part from incomplete scientific knowledge concerning natural and man-made hazards and their effects on the built environment. Uncertainties can also result from approximations and simplifications that are necessary for a comprehensive analysis (such as incomplete inventories, demographics, loss data or economic parameters).

The UK Vulnerability Assessment incorporates multiple models in use and integrates them into a specific model for the Plan. FEMA requires state and local partners to assess the jurisdiction's overall vulnerability to population, property, infrastructure and critical facilities. The planning team, using the best available data and methods, assessed the vulnerability of the UK community.

One of the most important steps in creating a vulnerability assessment model within GIS is to define the geographic unit of measurement. University hazard mitigation plans provide CHR with the unique opportunity to complete a vulnerability assessment at the building level. After review of multiple building data sets, the planning team identified 1262 buildings that would be assessed, across the state including 13 campus locations. Implementing the vulnerability assessment at the building level allows the university community to view each building's vulnerability, against each identified hazard. Developing the vulnerability assessment within GIS provides the planning community the following benefits:

1. Better dollar allocation
2. Better policy decisions
3. Better visuals
4. Better tool for locals

In short, producing a vulnerability model at the building level allows UK stakeholders to allocate their limited resources to a very specific location where mitigation actions should be evaluated.

Assessing Vulnerability Requirement

§201.6(c)(2)(ii): [The risk assessment **shall** include a] description of the jurisdiction's vulnerability to the hazards described in paragraph (c)(2)(i) of this section. This description **shall** include an overall summary of each hazard and its impact on the community.



2.3.1 Vulnerability Assessment Methodology

There are multiple models that attempt to determine risk and hazard vulnerability. The planning team relied heavily on CHR's knowledge of the "Risk Assessment" research field to develop the vulnerability assessment model used for the Plan.

CHR's staff researched and conducted test runs to develop an updated methodology for UK's Risk Assessment. The revised model relies heavily on GIS spatial analyses and provides the user with several layers of integrated information which can be used individually to display different planning scenarios. As mentioned, to facilitate data collection and analysis, CHR collected data at the individual building level. This approach enabled the creation of a Hazard Vulnerability Score for each university owned building and for each hazard.

2.3.2 Hazard Vulnerability Assessment Model

$$\text{Hazard Vulnerability Score} = \text{Exposure Score} + \text{Hazard Score}$$

The model was designed to produce a "Hazard Vulnerability Score" for each hazard, which is the foundation for assessing the vulnerability. This Hazard Vulnerability Score is also built on multiple layers of data to provide the end users with various ways of using and interpreting the data.

To achieve the Hazard Vulnerability Score the Exposure Score and Hazard Score are first scored from 0-1 based on the highest number being 1. In order to weight each of the scores they are multiplied by .5 so each score (Exposure/Hazard) accounts for 50% of the Hazard Vulnerability Score. In order to visualize the data on the Hazard Vulnerability Maps each Hazard Vulnerability Score is categorized into categories as follows, Low, Moderate, High, and Severe, based on the Natural Breaks (Jenks) classification, which breaks data into like classes. These categories are displayed within the legends of the map. By categorizing the buildings on the map into these categories it provides the end user the ability to visually label which areas are more vulnerable and thus more at risk.

The Hazard Vulnerability Score provides a visual display of the potential extent each hazard poses for UK. Furthermore, the vulnerability scores displayed for each building provide an enhanced local assessment where vulnerabilities are identified at the building level.

2.3.2.1 Definitions of Exposure Score

In order to define UK's vulnerability, it was critical to complete an inventory of the university's assets. These identified assets comprise UK's Exposure Score. Each building received an Exposure Score rank from 0-1. Where 1 = the highest value for that category and 0 = the lowest value for that category. Using weighted percentages, the following seven (7) exposure variables were added together to calculate the composite Exposure Score for the UK Hazard Vulnerability Score. The following is a complete description of each of the seven (7) exposure variables that created the Exposure Score.

$$\text{Exposure Score} = \text{Population Score} + \text{Building Value Score} +$$

$$\text{Building Content Score} + \text{Critical Facilities Score} + \text{Building Condition Score} + \text{HAZMAT Agent Score} + \text{Animal Score}$$



1. **Population Score:** Comprised of population data acquired from three sources. Staff Population came from the SAP. According to SAP UK has 23,330 employees, of these we were able to identify a building workplace based off of address and department for 97% or 22,598 of UK's employees. Additionally using data from Resident Life, we were able to identify the residence of 8,527 students that live in campus housing. Finally, we were able to identify the potential student building occupancy using fall 2014 enrolment data to develop a maximum classroom occupancy for each building. These populations were combined for each building to develop the buildings maximum potential population. The population is scored from 0-1 based on a percentage of the highest building population data. This score is multiplied by .30 so it accounts for 30% of the exposure score.
2. **Building Value Score:** Comprised of building insurance replacement costs from EBARS where available; with alternative replacement costs coming from the Kentucky State insurance database from UK Risk Management. The building value score is scored from 0-1 based on a percentage of the highest building value. This score is multiplied by .20 so it accounts for 20% of the exposure score.
3. **Building Content Score:** Comprised of content values from the UK Asset Inventory summarized by building. The building contents are scored from 0-1 based on a percentage of the highest building content value. This score is multiplied by .20 so it accounts for 20% of the exposure score.
4. **Critical Facilities Score:** Comprised of the identification of critical facilities for the university by UK stakeholders. The critical facility score is scored from 0-1 based on if the building is identified as a critical facility it received a score of 1, if not, the building received a score of 0. This score is multiplied by .1 so it accounts for 10% of the exposure score.
5. **Building Condition Score:** Comprised of building condition codes acquired from EBARS. The building condition rank is scored from 0-1 based on the categories provided in the data. The buildings represented as being under poor condition or with no condition code were marked as 1 and the other categories were scored according to their building condition. This score is multiplied by .1 so it accounts for 10% of the exposure score.
6. **HAZMAT Agent Score:** Comprised of the identification of hazardous materials located within each building in the university. Data sources for this list included data from Occupational Health & Safety's CHEMATICS (Chemicals), Environmental Health and Safety (Fuel), and Physical Plant (Fuel). The HAZMAT agent score is comprised of two different scores each accounting for half of the HAZMAT score and scored from 0-1. The first portion of the score is from the CHEMATICS data where the buildings are scored from 0-1 based on their split among the 4 categories (Greater than 1000 bottles of chemicals, Less than 1000 bottles but with some extremely hazardous chemicals, Less than 1000 bottles, and No Record of chemicals). The second portion of the HAZMAT score is determined by the presence of a fuel storage site from either of the Fuel databases where a score of 1 indicates that the facility has fuel storage and a score of 0 indicates no fuel storage. These two scores are then multiplied by .5 and then added together so each portion of the HAZMAT score accounts for 50% of the HAZMAT score. The buildings with highest HAZMAT score were then scored as a 1 with the others falling between 0-1. This score is multiplied by .05 so it accounts for 5% of the exposure score.
7. **Animal Score:** Comprised of the identification of animals located within each building on the main campus of the university. The animal agent rank is scored from 0-1 based on the number of animals identified within each building. The buildings with highest number of animals were scored as a 1 with the others falling between 0-1. This score is multiplied by .05 so it accounts for 5% of the exposure score.



To finalize the Exposure Score each variable was calculated and then added together; after being re-weighted 0-1. The next step was to display the data visually on the maps into the following categories, Low, Moderate, High, and Severe, based on the Natural Breaks (Jenks) classification, which breaks data into like classes.

The Exposure Score reveals where you have assets vulnerable to a hazard. This data is critical for emergency managers and the university community to use in order to comprehend where high concentrations of need could arise during and or before a disaster. These data layers can also be used individually for multiple planning purposes. Each Exposure Score Map can be found in [Appendix 9](#)

Maps are used whenever possible to display data in a visually representation which provides the end user a comprehensive view of where there is potential Vulnerability.

2.3.2.2 Definitions of Hazard Score

The second variable created for the Hazard Vulnerability Score is the Hazard Score.

$$\text{Hazard Score} = \text{Occurrence Score} + \text{Loss Score} + \text{Geographic Extent Score}$$

Occurrence Score (.33%): Number of occurrences based on insurance claim data per building and supplemented with mapping exercise locations

Loss Score (.33%): Damages occurred per building by each hazard

Geographic Extent Score (.33%): State Plan Grid Data

As explained with the Exposure Score each one of the Hazard Scores are first scored from 0-1 based on the highest number being 1. In order to weight each of the scores they are multiplied by .33 so each score accounts for 33% of the Hazard Score.

The Hazard Score assigns a hazard variable to the Hazard Vulnerability Score. Each variable was calculated and then re-weighted 0-1. The next step was to display the data visually on the maps into the following categories, Low, Moderate, High, and Severe, based on the Natural Breaks (Jenks) classification, which breaks data into like classes. In order to display the extent and potential magnitude of each hazard on each structure, see the hazard score maps in [Appendix 10](#)

It is important to note, each hazards, Hazard Score, is calculated based on the data available. Some hazards have an Occurrence Score, Loss Score and Geographic Extent Score. While others, may only have one of the Hazard Score variables. The weights of each variable can change based upon how many of the variables are available per each hazard. The goal is to continue to capture hazard data and to create a more refined Hazard Score for future plans. Each one of the hazard's specific Hazard Scores will be detailed within their Assessing Vulnerability sections.

It is important to note that the Hazard Score is developed based on the representation of a hazard affecting an area, either based on past occurrences, damage data and or a scientifically based study (i.e. flood study DFIRM used to calculate the Commonwealth of Kentucky Enhanced Hazard Mitigation Plan Hazard Score data). This makes the Hazard Score particularly useful for land use planning and future development decisions. The Hazard Vulnerability Score adds current assets (Exposure Score) to the model which is vital when dealing with emergency management planning issues. This is pointed out to display the multiple uses of the data created during this process.



2.4 Dam/Levee Failure Identification

Description

While dams have many benefits, they can pose great risk to communities if not designed, operated, and maintained properly. In the event of a dam failure, the energy of the water stored behind even a small dam is capable of causing loss of life and great property damage if there are people downstream of the dam. [The National Dam Safety Program](#) (NDSP), led by FEMA, is dedicated to protecting the lives of American citizens and their property from the risks associated with the development, operation, and maintenance of America's dams. The Dam Safety and Security Act of 2002 (Public Law 107-310) signed into law on December 2, 2002 reauthorized the NDSP to address safety and security of dams. The NDSP is a partnership of federal agencies, states, and communities that aims to transfer federal best practices in dam security to encourage individual and community responsibility for dam safety. The Act of 2002 includes resources for the development and maintenance of a national dam safety information network and the development of a strategic plan that establishes goals, priorities, and target dates to improve the safety and security of dams in the US.

Types of Dams

Manmade dams may be classified by: 1) the type of materials used; 2) the methods used in construction; 3) the slope or cross-section of the dam; 4) the way the dam resists water pressure forces; 5) the means for controlling seepage; and/or 6) the purpose of the dam. Materials used for dams may include earth, rock, tailings from mining or milling, concrete, masonry, steel, timber, and/or miscellaneous materials (such as plastic or rubber).

- *Embankment dams* are the most common type of dam in use today. Materials include natural soil or rock, or waste materials obtained from mining or milling operations. An embankment dam is termed an “earth-fill” or “rock-fill” dam depending on whether it is comprised of compacted earth or of dumped rock. The ability of an embankment dam to resist the reservoir water pressure is primarily a result of the mass weight, type and strength of the materials from which the dam is made.

Dams are classified based on the evaluation of damage possible downstream. The FEMA guide to dam classifications uses the following system:

Classification of Dams	
Classification	Description
Low	No probable loss of human life and low economic and/or environmental losses is expected. Losses are principally limited to the owner's property.
Significant	Loss of human life is not probable, but economic loss, environmental damage, and/or disruption of lifeline facilities can be expected.
High	Failure or misoperation will probably cause loss of human life.

Source: [FEMA 333](#); *Federal Guidelines for Dam Safety: Hazard Potential Classifications for Dams*, April 2004



Likelihood of Occurrence

Signs of Potential Dam Failure

- **Seepage.** The appearance of seepage on the downstream slope, abutments, or downstream area is cause for concern. If the water is muddy and is coming from a well-defined hole, material is probably being eroded from inside the embankment and a potentially dangerous situation can develop.
- **Erosion.** Erosion on the dam and spillway is one of the most evident signs of danger. The size of erosion channels and gullies can increase greatly with slight amounts of rainfall.
- **Cracks.** Cracks are of two types: traverse and longitudinal. Traverse cracks appear perpendicular to the axis of the dam and indicate settlement of the dam. Longitudinal cracks run parallel to the axis of the dam and may be the signal for a slide, or slump, on either face of the dam.
- **Slides and Slumps.** A massive slide can mean catastrophic failure of the dam. Slides occur for many reasons and their occurrence can mean a major reconstruction effort.
- **Subsidence.** Subsidence is the vertical movement of the foundation materials due to failure of consolidation. Rate of subsidence may be so slow that it can go unnoticed without proper inspection. Foundation settlement is the result of placing the dam and reservoir on an area lacking suitable strength, or over collapsed caves or mines.
- **Structural.** Conduit separations or ruptures can result in water leaking into the embankment and subsequent weakening of the dam. Pipe collapse can result in hydraulic failures due to diminished capacity.
- **Vegetation.** A prominent danger signal is the appearance of "wet environment" types of vegetation such as cattails, reeds, mosses and other wet area vegetation. These types of vegetation can be a sign of seepage.
- **Boils.** Boils indicate seepage water exiting under some pressure and typically occur in areas downstream of the dam.
- **Animal Burrows.** Animal burrows are a potential danger since such activity can undermine the structural integrity of the dam.
- **Debris.** Debris on dams and spillways can reduce the function of spillways, damage structures and valves, and destroy vegetative cover.

Types of Failures

Hydraulic Failure. Hydraulic failures result from the uncontrolled flow of water over the dam, around the dam and adjacent to the dam, and the erosive action of water on the dam and its foundation. Earth dams are particularly vulnerable to hydraulic failure since earth erodes at relatively small velocities.

Seepage Failure. All dams exhibit some seepage that must be controlled in velocity and amount. Seepage occurs both through the dam and the foundation. If uncontrolled, seepage can erode material from the foundation of an earth dam to form a conduit through which water can pass. This passing of water often leads to a complete failure of the structure, known as piping.

Structural Failure. Structural failures involve the rupture of the dam and/or its foundation. This is particularly a hazard for large dams and for dams built of low strength materials such as silts, slag, fly ash, etc. Dam failures generally result from a complex interrelationship of several failure modes. Uncontrolled seepage may weaken the soils and lead to a structural failure. Structural failure may shorten the seepage path and lead to a piping failure. Surface erosion may lead to structural or piping failures.



2.4.1 Dam/Levee Failure Profile

Dam/Levee Failure: Profile Risk Table	
Period of occurrence:	At any time - during both normal and flood flow conditions
Kentucky Number of events: (1973-2014)	13*
Kentucky Probability of events:	.31
Kentucky Past Damages	1 fatality reported no dollar losses listed*
Fayette County Number of events:	0**
Fayette County Probability of events:	0 (Based on previous occurrences)**
Fayette County Past Damages	0**
UK Incidents:	0
UK Damages Claimed:	0
Warning time:	Minimal. Can depend on the frequency of inspection.
Potential impact:	Loss of human life, economic loss (including property damage), lifeline disruption, and environmental impact
Potential of injury or death:	Injury and risk of multiple deaths
Potential duration of facility shutdown:	30 days or more
Extent:	300 million gallons of slurry and toxic coal ash leading to 300 claims filed for property damage and medical problems due to contaminated water.

*Source: Commonwealth of Kentucky Enhanced Hazard Mitigation Plan

**Source: LFUCG Hazard Mitigation Plan

Kentucky Revised Statute (KRS) 150.100 defines a dam as any artificial barrier including appurtenant works that do, or can, impound or divert water and:

- Is 25 feet or more high from the natural bed of the stream or watercourse at the downstream toe of the barrier, as determined by the Natural Resources and Environmental Protection Cabinet;
- Has or will have an impounding capacity of 50 acre feet or more at the maximum water storage elevation.

Since 1948, anyone in Kentucky proposing to construct a dam has been required to submit a plan to the state for review in order to obtain a permit. In 1966, Kentucky adopted a set of guidelines for evaluating dams. In 1974, the permit system was revised to include regular state inspection of dams. KRS 150.295 directs the Secretary of the Natural Resources and Environmental Protection Cabinet to inspect dams and reservoirs on a regular schedule.



Historical Impact

At this time, there have been 7 dam failures reported in Kentucky to the [National Performance Dam Program](#), none can be identified in Fayette County though higher magnitude events have occurred throughout the state. A dam failure could lead to flooding, death, and injuries as well as property damage. Repairs to infrastructure failure would cost the dam owners a significant amount.

According to the Association of State Dam Safety Officials (ASDSO), the three most significant dam failures in Kentucky in recent history occurred in December 1981 in Harlan County, in 1993 in Boone County (Treasure Lake Dam), and on October 11, 2000 in Martin County (Massey Dam). The University of Kentucky houses Cooperative Extensions in each of these counties. Of the three dam failures, the 1981 Harlan County dam failure and the October 11, 2000 Massey dam failure represent the historical worst dam failures. The 1981 Harlan County dam failure killed one person. The October 11, 2000 failure of the 72-acre Massey dam released over 300 million gallons of slurry and toxic coal ash that, in 2001, led to more than 300 people filing claims resulting from property damage to medical problems to contaminated water. Litigation for these claims and others continued until 2008. The dam failure was so bad that the EPA collected its largest fine ever under its wastewater permit program for this dam failure.

Further relating to extent and to planning, both the December 1981 fatality-inducing failure and the 2000 Massey failure were from Coal Waste Impoundments. Kentucky has at least 58 Coal-Waste Impoundments. Perry County – where the University of Kentucky houses another Cooperative Extension – has more recently been indirectly hit by coal-waste impoundment failure: One of the largest environmental disasters in U.S. history occurred at the Tennessee Valley Authority's Kingston Coal Plant near Harriman, Tennessee, when a dike holding back an 84-acre pond of wet coal ash burst. Perry County, Kentucky experienced considerable fall-out from this dramatic levee failure.

Continued growth of the built environment downstream of these dams exposes more structures and population to a dam failure. When a dam is moved into a higher risk class the owner is responsible for improvements and maintenance as required by state guidelines. Downstream growth and required improvements to dams should be continually monitored.

Inventory of Dams

Based on data from the Kentucky Division of Water Dam Inventory there are at least 1050 dams in Kentucky, 15 of these dams are located in Fayette County outlined in the County Dam Inventory table below. All 15 dams are located in areas that pose little threat to UK's Fayette County facilities. UK does have facilities outside of Fayette County that are at a heightened risk to a dam failure. UK should review potential dam risks with new development plans.

Lexington Fayette County Dam Inventory					
No.	Dam Name	Owner Type	Dam Type	Primary Purpose	Classification
KY00475	KELLY LAKE	Private	Earth	Recreation	Low
KY00209	LEXINGTON RESERVOIR 3	Private	Earth	Recreation	High
KY01151	SADDLE CLUB SUBDIVISION DAM	Private	Earth	Other	High
KY01158	HANK WHITMAN DAM	Private	Earth	Recreation	High



KY01173	WELLINGTON UNIT 4	Private	Earth	Other	High
KY00476	SHARP LAKE	Private	Earth	Recreation	Low
KY00127	WALNUT HILL DAM	Private	Earth	Recreation	Low
KY00951	EARL LEVY LAKE DAM	Private	Earth	Recreation	Significant
KY01162	WELLINGTON UNIT 1-B	Private	Earth	-	High
KY01182	LOCHDALE DAM	Private	Earth	Flood Control	High
KY01175	OVERBROOK FARM DAM	Private	Earth	Recreation	High
KY00210	LEXINGTON RESERVOIR 4	Local Government	Earth	Water Supply	High
KY01006	BUDDY SCHNEIDER DAM	Private	Earth	Recreation	Significant
KY01144	COLONY UNIT 4	Private	Earth	Recreation	High
KY00558	KENTUCKY HORSE PARK DAM	State	Earth	Recreation	Low

Source: Kentucky Division of Water Dam Inventory

2.4.2 Assessing Vulnerability: Dam/Levee Failure

Dam/Levee Failure Vulnerability Score = Exposure Score + Hazard Score

Assessing the university's vulnerability by building for Dam/Levee Failure was determined through first calculating the Dam/Levee Failure Hazard Score. The Dam/Levee Failure Hazard Score variable used to calculate the overall Hazard Score was the Geographic Extent Score.

The Geographic Extent Score variable used for this hazard was the 2013 Kentucky State Hazard Mitigation Plan Grid score. The grid score was used to help generalize the area score as many UK facilities outside of Fayette County are not mapped to a precise location and are instead geocoded to their approximate area. By using the Kentucky State Hazard Mitigation Plan Grid Score we were able to provide an area score to the building based on a generalized hazard score provided by the grid data.

The 2013 Kentucky State Hazard Mitigation Plan: Dam Failure Hazard Score was calculated by studying three (3) sources of data. The first layer used to create the Dam Failure Hazard Score was the newly created KDOW dam inundation maps along with the DFIRM mapped X zones that displayed areas protected by levees. These two (2) layers display a geo-referenced data that depicts where dam and levee failures could occur. To analyze Kentucky's risk to Dam Failure according to these data layers, they were overlaid onto a map of 1 KM MGRS grids in Kentucky. Next, a calculation was computed based on the percent of the area the dam inundation and mapped levee areas covered within each grid. This percentage of area affected by the mapped layers was then calculated and scored 0-1 to develop 50% of the Dam Failure Hazard Score.

The next step was determined by counting the total number of dams located within each 1 KM MGRS grid. This data displayed where concentrations of Dam Failure events have occurred, thus producing



areas of risk. In order to calculate different severities of risk based on dam risk classifications each dam was rated as high, medium, and low hazard dams according to Federal Guidelines for Dam Safety Classifications (2004). A high hazard dam was given a score of 3, medium a score of 2, and low a score of 1. Once all the scored dam location points were aggregated to their appropriate grid, each grid was giving a score 0-1 to create the other 50% of the Dam Failure Hazard Score.

The Dam Failure Hazard Score was then calculated by adding the two (2) scores together and scored 0-1.

Using this data as a base layer each UK building was overlaid onto a map within GIS to identify which building would be at risk to this type of failure. To complete the Dam/Levee Failure Hazard Score each building was given the hazard score of the grid it resided in. In order to display the extent and potential magnitude of the hazard on each structure, see the hazard score maps in [Appendix 10](#).

The next step was to add the Hazard Score and the Exposure Score together to come up with Dam/Levee Failure Vulnerability Score (0-1) for each building. If a building had no Hazard Risk to Dam/Levee Failure then the building also had no Vulnerability to Dam/Levee Failure.

The next two pages will display the Dam/Levee Failure Vulnerability Score maps for the Main Campus. See [Appendix 11](#) for the Dam/Levee Failure Vulnerability Score for each building in a tabular format.



University of Kentucky North Campus Dam Failure Vulnerability Score



Legend

— Street

○ UK Campus Boundary

Dam Failure Vulnerability Score

- Low
- Moderate
- High
- Severe

0 0.05 0.1 0.2 Miles

North Arrow

This map contains information from the following sources: University of Kentucky, Kentucky State Hazard Mitigation Plan, Kentucky Division of Water, Kentucky Geologic Survey, Kentucky Geographic Information Services, LFUCG, The Center for Hazards Research and Policy Development, and The National Weather Service.





University of Kentucky South Campus Dam Failure Vulnerability Score



Legend

— Street

○ UK Campus Boundary

Dam Failure Vulnerability Score

- Low
- Moderate
- High
- Severe

0 0.05 0.1 0.2 Miles

N
W E
S

This map contains information from the following sources: University of Kentucky, Kentucky State Hazard Mitigation Plan, Kentucky Division of Water, Kentucky Geologic Survey, Kentucky Geographic Information Services, LFUCG, The Center for Hazards Research and Policy Development, and The National Weather Service.

UK
UNIVERSITY OF
KENTUCKY

CENTER FOR HAZARDS RESEARCH
AND POLICY DEVELOPMENT
UNIVERSITY OF LOUISVILLE



2.5 Drought Identification

Description

Drought is a natural and recurring feature of Kentucky's climate that can be considered a "severe" weather event much like a tornado, a flood, or a hurricane. However, there are few key differences which distinguish drought from other weather events, making it difficult to detect and track.

Part of the difficulty in detecting drought is in the lack of an obvious onset of drought conditions. A drought develops slowly and can appear to mimic a normal spell of dry weather in the summer, a time of the year when dry weather is accepted and expected. Short-term rainfall shortages create problems for agricultural crops, livestock, urban landscapes, and other activities that depend on stored soil moisture between rainfall events.

Despite all of the problems that droughts cause, drought has proven to be difficult to define. There is no universally accepted definition because drought, unlike flooding for example, is not a distinct event. Additionally, drought is often the result of many complex factors and has no well-defined start or end. The impacts of drought may again vary by affected sector, thus making definitions of drought specific to particular situations.

The most commonly used drought definitions are based on meteorological, agricultural, hydrological, and socioeconomic effects:

- Meteorological drought is defined as a period of substantially diminished precipitation duration or intensity. The commonly used definition of meteorological drought is an interval of time, generally on the order of months or years, during which the actual moisture supply at a given place consistently falls below the climatically appropriate moisture supply.
- Agricultural drought occurs when there is inadequate soil moisture to meet the needs of a particular crop at a particular time. Agricultural drought usually occurs after or during meteorological drought but before hydrological drought. It can also affect livestock and other dry-land agricultural operations.
- Hydrological drought refers to deficiencies in surface and subsurface water supplies. There is usually a delay between lack of rain or snow and less measurable water in streams, lakes, and reservoirs. Therefore, hydrological measurements tend to lag other drought indicators.
- Socioeconomic drought occurs when physical water shortages start to affect the health, well-being, and quality of life of the people, or when the drought begins to affect the supply and demand of an economic product.

Types

There are many different indices for measuring drought. Although none are superior to the others, some indices are better for certain situations. The Palmer Drought Severity Index (PDSI) is currently used by the U.S. Department of Agriculture to help determine when grant assistance is needed. This index is also helpful for areas of widely similar topography. As Kentucky has relatively similar topography (with exceptions in the eastern portion of the state) and also has a great deal of agriculture, the PDSI will be used in this plan. The index measures the level of recorded precipitation against the average, or normal, amount of precipitation for a region.



Palmer Classifications System (PDSI)	
+4.0 in. or more	extremely wet
3.0 in to 3.99 in	very wet
2.0 in to 2.99 in	moderately wet
1.0 in to 1.99 in	slightly wet
0.5 in to 0.99 in	incipient wet spell
0.49 in to -0.49 in	near normal
-0.5 in to -0.99 in	incipient dry spell
-1.9 in to -1.99 in	mild drought
-2.0 in to -2.99 in	moderate drought
-3.0 in to -3.99 in	severe drought
-4.0 in or less	extreme drought

Source: National Oceanic and Atmospheric Association (NOAA)

Facts

- High temperatures, prolonged high winds, and low relative humidity can aggravate drought conditions.
- Droughts can lead to economic losses such as unemployment, decreased land values, and agribusiness losses.
- In 2011, in Texas alone, almost 2.5 billion dollars in property and crop damages were attributed to drought.

Primary Impacts

- Crop failure is the most crucial effect of drought. Drought has a direct impact on the economy and in many cases the health of the population that is affected. Due to a lack of water and moisture in the soil, many crops will not produce normally or efficiently and in many cases, may be lost entirely.
- Water shortage is a very serious effect of drought. The availability of potable water is severely decreased when drought conditions persist. Springs, wells, streams, and reservoirs have been known to run dry due to the decrease in ground water, and, in extreme cases, rivers have become unsafe for navigation as a result of drought.

Secondary Impacts

- Fire susceptibility is increased with the absence of moisture associated with a drought. Dry conditions have been known to promote the occurrence of widespread forest fires.

Tertiary Impacts

- Environmental degradation via erosion and ecological damage can be additional results of drought. As moisture in topsoil dissipates and the ground becomes dryer, the susceptibility to windblown erosion increases. In prolonged drought situations loss of habitat for certain species native to that particular environment is possible. Prolonged drought conditions may also result in loss of food sources for certain species.
- In prolonged drought situations the soil surrounding structures subsides, sometimes creating cracks in foundations and separation of foundations from above ground portions of the structure. Forest root systems may be damaged or destroyed through a similar process.



2.5.1 Drought Profile

Drought: Profile Risk Table	
Period of occurrence:	Drought can occur at any time of the year in any part of Kentucky
Kentucky Number of events: (1960-2013)	121*
Kentucky Probability of events:	2.28*
Kentucky Past Damages	\$301,317,375*
Fayette County Number of events:	94**
Fayette County Probability of events:	1.84 (Approx. Months a Year)**
Fayette County Past Damages	\$9,420**
UK Incidents:	0
UK Damages Claimed:	0
Warning time:	Warning times for drought are not applicable as they are for severe storms or winter weather. Drought is onset by a period of similar weather and precipitation conditions. Predictability and preparedness is based mostly on the awareness of populations drought conditions are affecting.
Potential impact:	Impacts to human life, health, and public safety are possible. Utility damage and failure, infrastructure damage (transportation and communication systems), structural damage, potential increase in risk of wild fire, and the possibility of damaged or destroyed critical facilities are additional impacts. Most impacts result from forest fire, extreme dry conditions, or dust storms.
Potential of injury or death:	Slight chance of injury and risk of deaths
Potential duration of facility shutdown:	Days to Months
Extent:	-5.74 (PDSI)

*Source: Commonwealth of Kentucky Enhanced Hazard Mitigation Plan

**Source: LFUCG Hazard Mitigation Plan

According to NOAA, there have been 16 recorded drought occurrences in Kentucky since 1996. Those droughts causing significant crop damage were in 2002 and 2007. According to the National Climatic Data Center Storm Events Database, the drought demonstrating the highest extent was in 2002. The prolonged summer drought gradually worsened, becoming severe in early September. Many parts of western Kentucky received no measurable rainfall through the first two weeks of September. At Paducah, the three-month period from June through August of 2002 was the second driest such period on record. Total rainfall during the period from June 1 to September 15 was only 5 inches, well below the normal of about 13 inches. The main effect of the drought was on agriculture. Crop loss estimates totaled around 70 million dollars. The corn



crop, which was especially susceptible to the combined effects of heat and drought, took the biggest hit. About 35 million dollars in corn was lost in western Kentucky. About 20 million dollars in tobacco was lost, and another 15 million dollars was lost in soybean production. Some trees and shrubs died in the drought, especially newly planted ones with shallow root systems. A few counties declared bans on outdoor burning due to the high fire danger. A fire burned 50 acres of pasture along Interstate 24 near the Grand Rivers exit.

Another drought in 2007 affected 22 counties in western Kentucky, resulting in a loss of over \$48 million in crop damages. There were no injuries or deaths reported as a result of these droughts.

During periods of drought in Kentucky, some activities which rely heavily on high water usage may be impacted significantly. These activities include agriculture, tourism, wildlife protection, municipal water usage, recreation, wildlife preservation, and electric power generation.

Historically Significant Drought Events	
Time Period	PDSI Rating
May 1930 – December 1931	-4.73
Fall 1939 – Spring 1942	-3.97
1944	-4.35
Summer 1952 - Winter 1955	-5.74
1963 – 1964	-3.43
1988	-4.27
1999 – 2001	-5.27
2007	-3.64
Source: http://www.kyclimate.org/graphlets/ddsg.html	

UK's campuses, have not recorded historic damages or effects of drought events in the past. However, the University's farms may have been affected due to the amount of crop and livestock research that occurs at these locations. The university has not recorded damages that were accessible by the planning team.

2.5.2 Assessing Vulnerability

Drought Vulnerability Score = Exposure Score + Hazard Score

Assessing the university's vulnerability by building for Drought was determined through first calculating the Drought Hazard Score. The Drought Hazard Score variable that was used to calculate the overall score was the Geographic Extent Score.

The Geographic Extent Score variable used for this hazard was captured using the Commonwealth of Kentucky Enhanced Hazard Mitigation Plan Drought Hazard Score. The grid score was used to help generalize the area score as many UK facilities outside of Fayette County are not mapped to a precise location and are instead geocoded to their approximate area. By using the Kentucky State Hazard Mitigation Plan Grid Score we were able to provide an area score to the building based on a generalized hazard score provided by the grid data.

The 2013 Kentucky State Hazard Mitigation Plan: The Drought Hazard Score was calculated by studying one (1) specific source of data. The data layer used to create the Drought Hazard Score was data collected from the Palmer Drought Severity Index (PDSI) from 1895-2013. In order to use this data for the Drought Hazard Score an average PDSI was calculated for each of the four (4) PDSI regions in Kentucky using the annual PDSI from 1895-2013. This created four (4) specific hazard areas to score from. To analyze Kentucky's risk to Drought, the PDSI layer was overlaid onto a map of 1 KM MGRS grids in Kentucky. Next, a calculation was computed based on the percent of the area the PDSI layer covered within each grid. This percentage of area affected by the mapped PDSI areas (4) was then calculated and scored 0-1 to develop the Drought Hazard Score.



To complete the UK Drought Hazard Score each buildings Hazard Score was based on 1KM grid they fell within and were assigned a score based on the Kentucky Hazard Mitigation Plan, Hazard Score data for that grid. In order to display the extent and potential magnitude of the hazard on each structure, see the hazard score maps for the Main Campus in [Appendix 10](#).

The next step was to add the UK Hazard Score and the Exposure Score together to compile the Drought Vulnerability Score (0-1) for each building. Once the final Drought Vulnerability Scores were calculated the composite scores were displayed on the maps and broken into four categories, using the Natural Breaks classification system (Low, Moderate, High, and Severe) which demonstrates different levels of vulnerability displayed on the map.

The next two pages will display the Drought Vulnerability Score maps for the Main Campus. See [Appendix 11](#) for the Drought Vulnerability Score for each building in a tabular format.



University of Kentucky North Campus Drought Vulnerability Score



[illegible]



2.5 Earthquake Identification

Description

An earthquake is a sudden, rapid shaking of the earth caused by the breaking and shifting of rock beneath the earth's surface. For hundreds of millions of years, the forces of plate tectonics have shaped the earth as the huge plates that form the Earth's surface move slowly over, under, and past each other. Sometimes the movement is gradual. At other times, the plates are locked together, unable to release the accumulating energy. When the accumulated energy grows strong enough, the plates break free releasing the stored energy and producing seismic waves generating an earthquake. The areas of greatest tectonic instability occur at the perimeters of the slowly moving plates, as these locations are subjected to the greatest strains from plates traveling in opposite directions and at different speeds. However, some earthquakes occur in the middle of plates.

Ground motion, the movement of the earth's surface during earthquakes or explosions, is the catalyst for most of the damage during an earthquake. Produced by waves generated by a sudden slip on a fault or sudden pressure at the explosive source, ground motion travels through the earth and along its surface. Ground motions are amplified by soft soils overlying hard bedrock, referred to as ground motion amplification. Ground motion amplification can cause an excess amount of damage during an earthquake, even to sites very far from the epicenter.

Earthquakes strike suddenly and without warning. Earthquakes can occur at any time of the year and at any time of the day or night. On a yearly basis, 70 to 75 damaging earthquakes occur throughout the world. Estimates of losses from a future earthquake in the United States approach \$200 billion.

Ground shaking from earthquakes can collapse buildings and bridges, disrupt gas, electric, and phone service, and sometimes trigger landslides, avalanches, flash floods, fires, and huge, destructive ocean waves (tsunamis). Buildings with foundations resting on unconsolidated landfill and other unstable soil, and trailers and homes not tied to their foundations are at risk because they can be shaken off their mountings during an earthquake. When an earthquake occurs in a populated area, it may cause deaths and injuries and extensive property damage.

The largest earthquakes felt in the United States were along the New Madrid Fault in Missouri, where a three-month long series of quakes from 1811 to 1812 included three quakes larger than a magnitude of 8 on the Richter Scale. These earthquakes were felt over the entire eastern United States, with Missouri, Tennessee, Kentucky, Indiana, Illinois, Ohio, Alabama, Arkansas, and Mississippi experiencing the strongest ground shaking.

Types

Earthquakes are measured in terms of their magnitude and intensity using the Richter Scale and Modified Mercalli Scale of Earthquake Intensity.

The Richter magnitude scale measures an earthquake's magnitude using an open-ended logarithmic scale that describes the energy release of an earthquake through a measure of shock wave amplitude. The earthquake's magnitude is expressed in whole numbers and decimal fractions. Each whole number increase in magnitude represents a 10-fold increase in measured wave amplitude, or a release of 32 times more energy than the preceding whole number value.



The Modified Mercalli Scale measures the effect of an earthquake on the Earth's surface. Composed of 12 increasing levels of intensity that range from unnoticeable shaking to catastrophic destruction, the scale is designated by Roman numerals. There is no mathematical basis to the scale; rather, it is an arbitrary ranking based on observed events. The lower values of the scale detail the manner in which the earthquake is felt by people, while the increasing values are based on observed structural damage. The intensity values are assigned after gathering responses to questionnaires administered to postmasters in affected areas in the aftermath of the earthquake.

The Modified Mercalli Intensity Scale				
Scale	Intensity	Description of Effects	Maximum Acceleration (mm/sec)	Corresponding Richter Scale
I	Instrumental	Detectable only on seismographs	<10	
II	Feeble	Some people feel it	<25	<4.2
III	Slight	Felt by people resting (like a truck rumbling by)	<50	
IV	Moderate	Felt by people walking	<100	
V	Slightly Strong	Sleepers awake; church bells ring	<250	<4.8
VI	Strong	Trees sway; suspended objects swing; objects fall off shelves	<500	<5.4
VII	Very Strong	Mild alarm; walls crack; plaster falls	<1000	<6.1
VIII	Destructive	Moving cars uncontrollable; masonry fractures; poorly constructed buildings damaged	<2500	
IX	Ruinous	Some houses collapse; ground cracks; pipes break open	<5000	<6.9
X	Disastrous	Ground cracks profusely; many buildings destroyed; liquefaction and landslides widespread	<7500	<7.3
XI	Very Disastrous	Most buildings and bridges collapse; roads, railways, pipes and cables destroyed; general triggering of other hazards	<9800	<8.1
XII	Catastrophic	Total destruction; trees fall; ground rises and falls in waves	>9800	>8.1

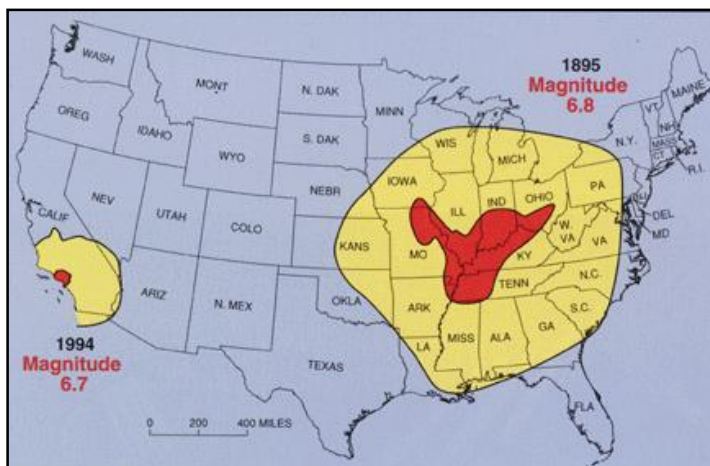
Source: USGS, <http://earthquake.usgs.gov/learn/topics/mercalli.php>



Facts

Earthquakes in the central or eastern United States affect much larger areas than earthquakes of similar magnitude in the western United States. For example, the San Francisco, California earthquake of 1906 (magnitude 7.8) was felt 350 miles away in the middle of Nevada, whereas the New Madrid earthquake of December 1811 (magnitude 7.7) rang church bells in Boston, Massachusetts, 1,000 miles away. Differences in geology east and west of the Rocky Mountains cause this strong contrast.

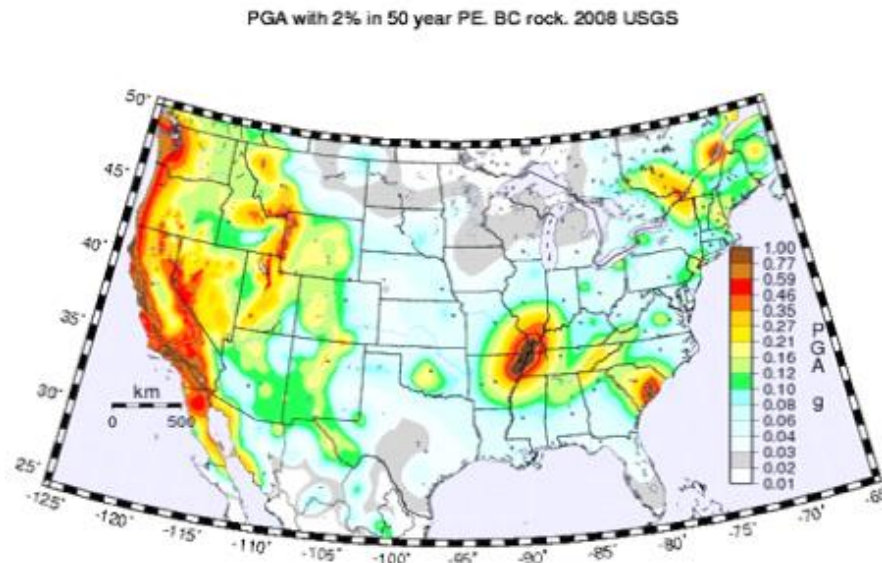
Although earthquakes in the central and eastern United States are less frequent than in the western United States, they affect much larger areas. Red on the below map indicates minor to major damage to buildings and their contents. Yellow indicates shaking felt, but little or no damage to objects.



Ten Largest Earthquakes in Contiguous United States

Magnitude	Date	Location
7.9	January 9, 1857	Fort Tejon, California
7.8	April 18, 1906	San Francisco, California
7.8	February 24, 1892	Imperial Valley, California
7.7	December 16, 1811	New Madrid, Missouri
7.7	February 7, 1812	New Madrid, Missouri
7.5	January 23, 1812	New Madrid, Missouri
7.4	March 26, 1872	Owens Valley, California
7.3	June 28, 1992	Landers, California
7.3	August 18, 1959	Hebgen Lake, Montana
7.3	July 21, 1952	Kern County, California

Source: http://earthquake.usgs.gov/earthquakes/states/10_largest_us.php



Source: <http://earthquake.usgs.gov/hazards/products/>

This figure corresponds to the 2008 U.S. Geological Survey National Seismic Hazard Maps. This figure shows a probabilistic ground motion map for Peak Ground Acceleration (PGA), 1Hz (1.0 second SA [spectral accelerations]), and 5Hz (0.2 second SA). Peak ground acceleration tells how hard the earth shakes within the geographic area. This is vital in understanding the impact to structures. The size and magnitude are important, but the PGA will demonstrate expected damages in a finer manner.

The U.S. Geological Survey (USGS) National Seismic Hazard Maps display earthquake ground motions for various probability levels across the United States and are applied in seismic provisions of building codes, insurance rate structures, risk assessments, and other public policy. This update of the maps incorporates new findings on earthquake ground shaking, faults, seismicity, and geodesy. The resulting maps are derived from seismic hazard curves calculated on a grid of sites across the United States that describe the frequency of exceeding a set of ground motions.

Likelihood of Occurrence

The goal of earthquake prediction is to give warning of potentially damaging earthquakes early enough to allow appropriate response to the disaster, enabling people to minimize loss of life and property. The U.S. Geological Survey conducts and supports research on the likelihood of future earthquakes. This research includes field, laboratory, and theoretical investigations of earthquake mechanisms and fault zones. Scientists estimate earthquake probabilities in two ways: by studying the history of large earthquakes in a specific area, and by the rate at which strain accumulates in the rock.

Scientists study the past frequency of large earthquakes in order to determine the future likelihood of similar large shocks. For example, if a region has experienced four magnitude 7 or larger earthquakes during 200 years of recorded history, and if these shocks occurred randomly in time, then scientists would assign a 50 percent probability (that is, just as likely to happen as not to happen) to the occurrence of another magnitude 7 or larger quake in the region during the next 50 years.



Another way to estimate the likelihood of future earthquakes is to study how fast strain accumulates. When plate movements build the strain in rocks to a critical level, like pulling a rubber band too tight, the rocks will suddenly break and slip to a new position. Scientists measure how much strain accumulates along a fault segment each year, how much time has passed since the last earthquake along the segment, and how much strain was released in the last earthquake. This information is then used to calculate the time required for the accumulating strain to build to a level resulting in an earthquake. This simple model is complicated by the fact that such detailed information about faults is rare. In the United States, only the San Andreas fault system has adequate records for using this prediction method.

The University of Memphis estimates that, for a 50-year period, the probability of a repeat of the New Madrid 1811-1812 earthquakes with:

- a magnitude of 7.5 - 8.0 is 7 to 10%
- a magnitude of 6.0 or larger is 25 to 40%

Earthquakes can be experienced in any part of Kentucky, putting Kentucky's entire population and building stock at risk. Each county has at least one fault running beneath it.



2.6.1 Earthquake Profile

Earthquake: Profile Risk Table	
Period of occurrence:	Earthquakes can occur year-round, at any time of the day or the night
Kentucky Number of events: (1960-2013)	1*
Kentucky Probability of events:	Currently there are no probability ratios determined for earthquakes because of its unpredictable nature*
Kentucky Past Damages	\$2,763,158*
Fayette County Number of events:	0 Epicenter based events however the area has experienced the effects of Earthquakes from events with Epicenters outside of the County boundary.**
Fayette County Probability of events:	0 epicenter probability Probability of earthquake with M>5.0 within 500 years & 50 km is 0.1.(Based on USGS calculations)**
Fayette County Past Damages	Unknown**
UK Incidents:	0
UK Damages Claimed:	0
Warning time:	None
Potential impact:	Impacts human life, health, and public safety. Utility damage and outages, infrastructure damage (transportation and communication systems), structural damage, fire, damaged or destroyed critical facilities, and hazardous material releases. Can cause severe transportation problems and make travel extremely dangerous. Aftershocks and secondary events could trigger landslides, releases of hazardous materials, and/or dam and levee failure and flooding.
Potential of injury or death:	Major injuries and risk of deaths
Potential of facility shutdown:	Major facility shutdown could occur
Extent:	Intensity (Modified Mercalli): VI

*Source: Commonwealth of Kentucky Enhanced Hazard Mitigation Plan

**Source: LFUCG Hazard Mitigation Plan



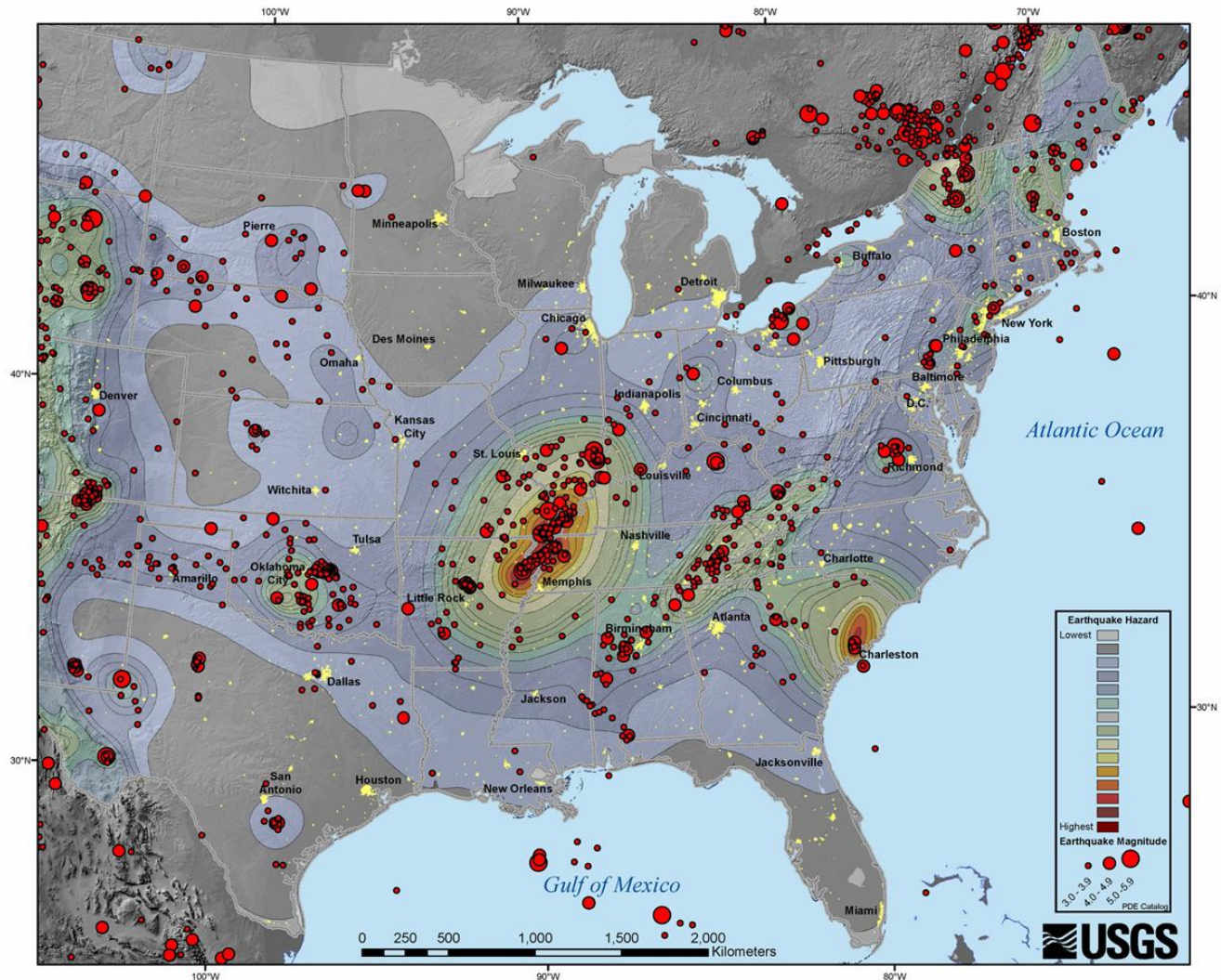
Historical Impact

Kentucky is affected by earthquakes from several seismic zones in and around the state. The most important one is the **New Madrid Seismic Zone**, in which at least three great earthquakes occurred from December 1811 to February 1812. UK has facilities in every county in Kentucky putting staff and equipment at risk especially in those areas closer to the New Madrid Seismic Zone on the western edge of Kentucky.

Earthquakes Affecting UK

On December 16, 1811 an earthquake struck at the New Madrid fault in western Kentucky. Another large earthquake originating from the New Madrid Seismic Zone occurred February 7, 1812. These earthquakes were described as severe as close as Louisville, toppled chimneys in Cincinnati, and rang church bells in Boston, MA. If a repeat of the 1812 event were to occur it is possible that UK's main campus could experience some damage and UK's properties in western Kentucky especially in areas with softer riverine soils could experience major damage.

Date	Intensity (Modified Mercalli)	Magnitude (Richter Scale)	Origin
12/16/1811	V		New Madrid Seismic Zone
12/16/1811	F		New Madrid Seismic Zone
01/23/1812	IV		New Madrid Seismic Zone
2/07/1812	VI		New Madrid Seismic Zone
01/04/1843		6.0	New Madrid Seismic Zone
02/28/1854			Lexington, Fayette Co.
02/20/1869	IV		Lexington, Fayette Co.
10/31/1895		6.2	New Madrid Seismic Zone
07/27/1980	V	5.2	Sharpsburg, Bath Co
08/23/1980		3.1	Lawrenceburg
09/07/1988		4.6	Sharpsburg, Bath Co
09/08/1990		3.3	Olympia
09/05/2005		2.5	Sharpsburg, Bath Co



Source: <http://earthquake.usgs.gov/regional/ceus/>

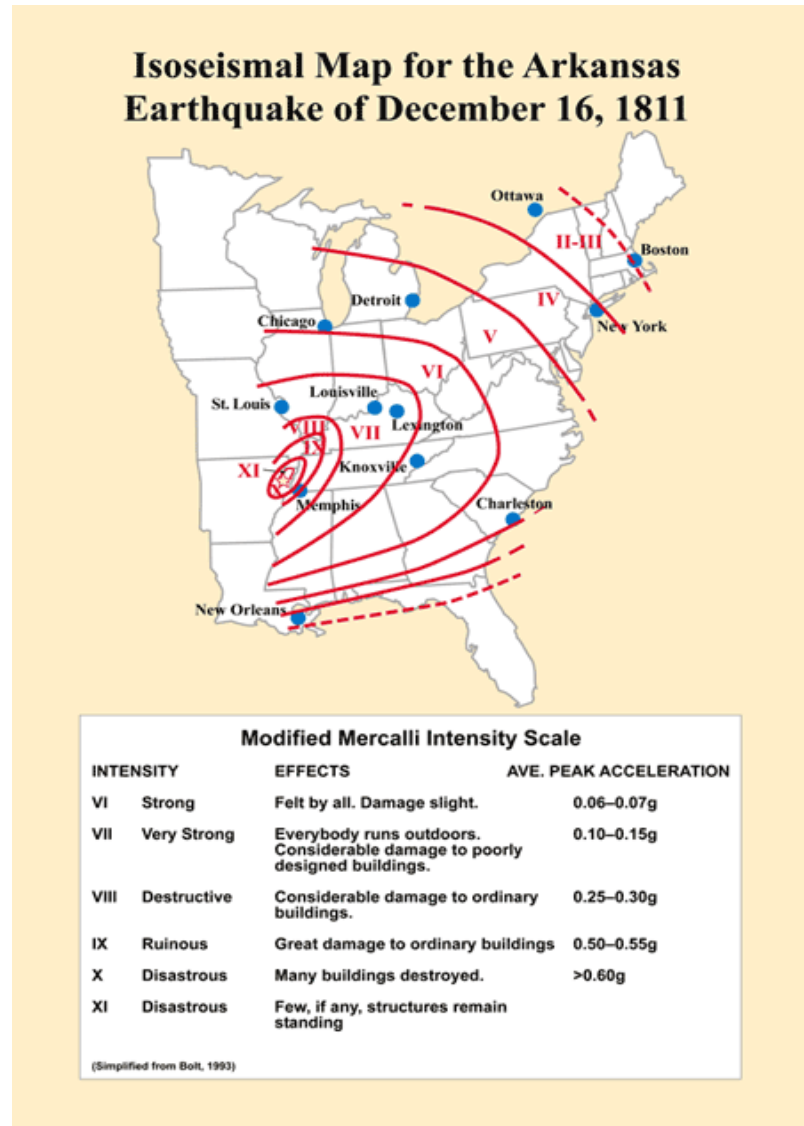
The above map shows earthquakes (circles) greater than magnitude 3.0 since 1974 plotted on the 2008 USGS National Seismic Hazard Map for the central and eastern United States. Warmer colors on this map indicate areas of higher hazard. Larger earthquakes are represented by larger circles.

The damage at UK's main campus from a quake on the New Madrid fault is expected to be minor. Earth scientists estimate that enough energy has built up in the New Madrid Zone to produce an earthquake of 7.5 on the Richter scale. Such a quake could be felt by half of the population of the United States and by everyone in Kentucky. According to the USGS isoseismal map of the New Madrid Earthquakes of 1811-1812, Fayette County would experience the effects at a Modified Mercalli Intensity Zone 7.

The greatest hazard potential for earthquakes exists in highly populated areas, because these areas tend to have a greater number of tall buildings that are more vulnerable to seismic impact. Buildings and infrastructure (roads, bridges, etc.) built before the 1960s are also generally more susceptible to seismic movement than newer construction.



Areas of softer soil and potential liquefaction generally result in increased vulnerability to the impacts of an earthquake.



Source: USGU Iseoseismal Map. http://earthquake.usgs.gov/earthquakes/states/events/1811-1812_iso.php



2.6.2 Assessing Vulnerability: Earthquake

Earthquake Vulnerability Score = Exposure Score + Hazard Score

Assessing the university's vulnerability by building for Earthquake was determined through first calculating the Earthquake Hazard Score. The Earthquake Hazard Score variable that was used to calculate the overall score was the Geographic Extent Score.

The Geographic Extent Score variable used for this hazard was captured using the Kentucky State Hazard Mitigation "Earthquake Hazard Score". The grid score was used to help generalize the area score as many UK facilities outside of Fayette County are not mapped to a precise location and are instead geocoded to their approximate area. By using the Kentucky State Hazard Mitigation Plan Grid Score we were able to provide an area score to the building based on a generalized hazard score provided by the grid data.

The 2013 Kentucky State Hazard Mitigation Plan: The Earthquake Hazard Score was calculated by studying two (2) sources of data. The two (2) layers used were the USGS 2% chance in 50 years peak ground acceleration (PGA) data modified by the NEHRP soil amplification data provided by the Kentucky Geological Survey (KGS). Using FEMA's HAZUS technical manual methodology CHR modified USGS 2% chance in 50 years PGA data using NEHRP soil classification to modify PGA values based on Kentucky soil types. Combining these layers provided enhanced soil classifications for Kentucky which were used to compute soil amplifications. Next, a calculation was computed based on the average modified PGA value located within each grid. This average PGA value for each 1KM MGRS grid was then calculated and scored 0-1 to develop the Earthquake Hazard Score.

Using the Kentucky Hazard Mitigation Plan, Earthquake Hazard Score 1KM grid data as a base layer each UK building was overlaid onto a map within GIS to identify which 1KM grid they fell within and were assigned a score based on the Kentucky Hazard Mitigation Plan, Hazard Score data. In order to display the extent and potential magnitude of the hazard on each structure, see the hazard score maps for the Main Campus in [Appendix 10](#).

The next step was to add the Hazard Score and the Exposure Score together to compile the Earthquake Vulnerability Score (0-1) for each building. Once the final Earthquake Vulnerability Scores were calculated the composite scores were displayed on the maps and broken into four categories, using the Natural Breaks classification system (Low, Moderate, High, and Severe) which demonstrates different levels of vulnerability displayed on the map.

The next two pages will display the Earthquake Vulnerability Score maps for the Main Campus. See [Appendix 11](#) for the Earthquake Vulnerability Score for each building in a tabular format.



University of Kentucky North Campus Earthquake Vulnerability Score





University of Kentucky South Campus Earthquake Vulnerability Score





2.6 Extreme Temperature Identification

Description Extreme Heat

Extreme high temperatures are responsible for many deaths in the United States each year. Extreme heat has historically affected huge populations. Due to the breadth of occurrence, "on average, excessive heat claims more lives each year than floods, lightning, tornadoes and hurricanes combined" ([NOAA](#)).

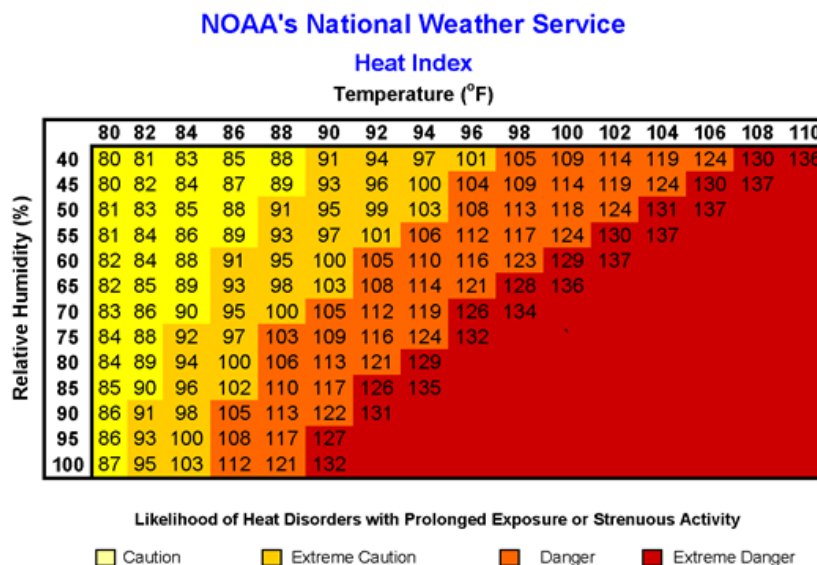
[Excessive heat](#) occurs from a combination of high temperatures (significantly above normal) and high humidity. At certain levels, the human body cannot maintain proper internal temperatures and may experience heat stroke.

These combined elements can manifest medical conditions which are directly attributable to excessive heat exposure:

- **heat cramps:** Painful muscle cramps and spasms, usually in muscles of legs and abdomen, heavy sweating
- **heat exhaustion:** Heavy sweating, weakness, cool skin, pale, and clammy. Weak pulse. Normal temperature possible. Possible muscle cramps, dizziness, fainting, nausea, and vomiting.
- **heat stroke (sunstroke):** Altered mental state. Possible throbbing headache, confusion, nausea, and dizziness. High body temperature (106°F or higher). Rapid and strong pulse. Possible unconsciousness. Skin may be hot and dry, or patient may be sweating. Sweating likely especially if patient was previously involved in vigorous activity.

Heat Index

The "Heat Index" is a measure of the effect of the combined elements of heat and humidity on the body. A temperature as low as 80°F and a relative humidity of 40% is significant in that it ranks at the "caution" level of the [NOAA's Apparent Temperature chart](#) – also known as the heat index.



It is important to note that these heat index values were devised for shady, light wind conditions. Exposure to full sunshine can increase heat index values by up to 15°F.



Matching the possible medical conditions with the four element scale of the heat index above is critical to understanding the likelihood of impacts from exposure:

- **Extreme Danger:** Heat stroke or sunstroke likely.
- **Danger:** Sunstroke, muscle cramps, and/or heat exhaustion likely. Heatstroke possible with prolonged exposure and/or physical activity.
- **Extreme Caution:** Sunstroke, muscle cramps, and/or heat exhaustion possible with prolonged exposure and/or physical activity.
- **Caution:** Fatigue possible with prolonged exposure and/or physical activity.

NOAA's Watch, Warning, and Advisory Products for Extreme Heat

Each NWS Weather Forecast Office can issue the following heat-related products as conditions warrant:

Excessive Heat Outlook: are issued when the potential exists for an excessive heat event in the next 3-7 days. An Outlook provides information to those who need considerable lead time to prepare for the event, such as public utilities, emergency management, and public health officials.

Excessive Heat Watch: is issued when conditions are favorable for an excessive heat event in the next 12 to 48 hours. A Watch is used when the risk of a heat wave has increased, but its occurrence and timing is still uncertain. A Watch provides enough lead time so those who need to prepare can do so, such as cities that have excessive heat event mitigation plans.

Excessive Heat Warning/Advisory is issued when an excessive heat event is expected in the next 36 hours. These products are issued when an excessive heat event is occurring, is imminent, or has a very high probability of occurring. The warning is used for conditions posing a threat to life or property. An advisory is for less serious conditions that cause significant discomfort or inconvenience and, if caution is not taken, could lead to a threat to life and/or property.

The EPA has also developed a [guidebook](#) on excessive heat events (EHE) that has two basic goals:

1. to provide local health and public safety officials with the information they need to develop EHE criteria and evaluate the potential health impacts of EHEs
2. to offer a menu of EHE notification and response actions to be considered

Description Extreme Cold

What constitutes extreme cold and its effect varies across different areas of the United States. In areas unaccustomed to winter weather, near freezing temperatures are considered "extreme cold." In the north, below zero temperatures may be considered as "extreme cold." Extreme cold often accompanies a winter storm or is left in its wake.

Whenever temperatures drop decidedly below normal and as wind speed increases, heat can leave your body more rapidly. These weather related conditions may lead to serious health problems. Extreme cold is a dangerous situation that can bring on health emergencies in susceptible people, such as those without shelter or who are stranded, or who live in a



home that is poorly insulated or without heat. Prolonged exposure to the cold can cause frostbite or hypothermia and become life-threatening. Infants and elderly people are most susceptible.

Freezing temperatures can also cause severe damage to citrus fruit crops and other vegetation. Pipes may freeze and burst in homes that are poorly insulated or without heat. Long cold spells can cause rivers to freeze, disrupting shipping. Ice jams may form and lead to flooding.

Impacts

- *Frostbite:* Frostbite is an injury to the body that is caused by freezing. Frostbite causes a loss of feeling and color in affected areas. It most often affects the nose, ears, cheeks, chin, fingers, or toes. Frostbite can permanently damage the body, and severe cases can lead to amputation. The risk of frostbite is increased in people with reduced blood circulation and among people who are not dressed properly for extremely cold temperatures.
- *Hypothermia:* When exposed to cold temperatures, your body begins to lose heat faster than it can be produced. Prolonged exposure to cold will eventually use up your body's stored energy. The result is hypothermia, or abnormally low body temperature. Body temperature that is too low affects the brain, making the victim unable to think clearly or move well. This makes hypothermia particularly dangerous because a person may not know it is happening and won't be able to do anything about it. Hypothermia is most likely at very cold temperatures, but it can occur even at cool temperatures (above 40°F) if a person becomes chilled from rain, sweat, or submersion in cold water.

Facts

- The National Weather Service refers to winter storms as the "Deceptive Killers" because most deaths are indirectly related to the storm. Instead, people die in traffic accidents on icy roads and of hypothermia from prolonged exposure to cold.
- Infants lose body heat more easily than adults and unlike adults, infants can't make enough body heat by shivering.
- Older adults often make less body heat because of a slower metabolism and less physical activity.
- During 1979-2002, a total of 16,555 deaths in the United States, an average of 689 per year, were attributed to exposure to excessive natural cold (hypothermia).

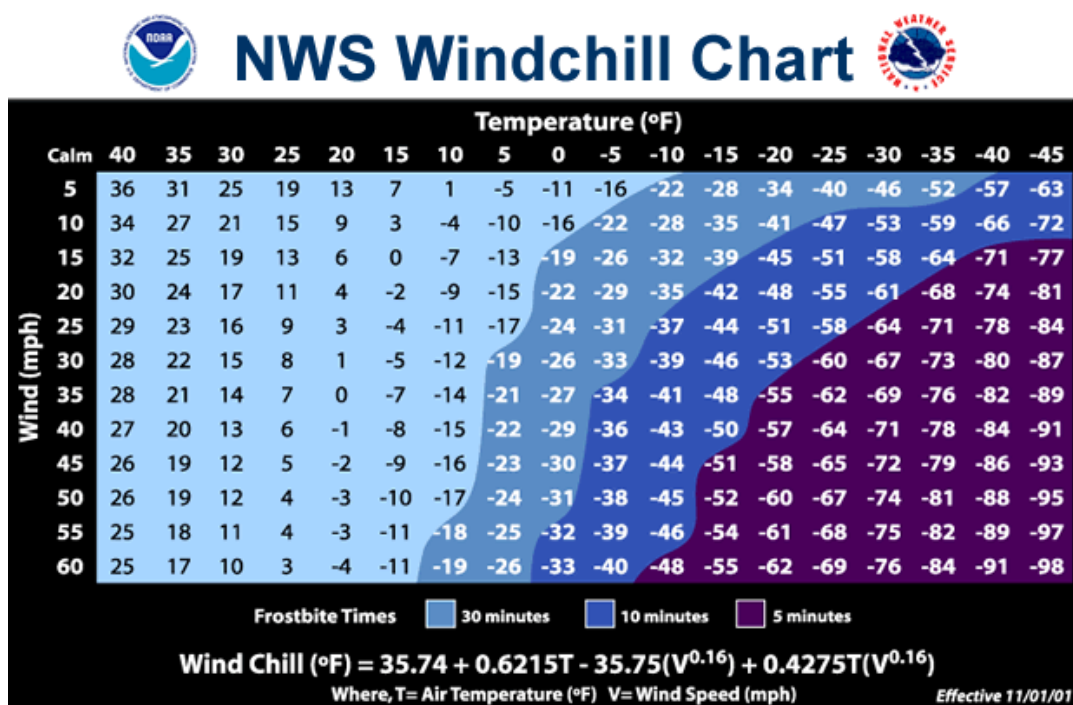
During the winter, a breeze can make a cold day feel more uncomfortable. That's because wind drives heat away from exposed skin faster than calm air. High winds combined with very low temperatures create dangerously cold conditions. To help people understand the risk, NOAA's National Weather Service provides wind chill temperatures in reports of current conditions and in forecasts. While dangerous wind chills occur regularly in the northern plains, they can also affect almost any region in the United States. As temperatures drop below freezing, exposed skin is at risk of frostbite and you become more susceptible to hypothermia. The lower the wind chill temperature, the faster frostbite or hypothermia can occur.



NOAA's National Weather Service wind chill chart shows the increasing dangers as temperature drops and wind speed increases. In cold winter months, National Weather Service weather forecast offices routinely issue two types of alerts to warn people about dangerously low wind chill temperatures.

- A *Wind Chill Advisory* is issued when wind chill temperatures are potentially hazardous.
- A *Wind Chill Warning* is issued when wind chill temperatures are life threatening.

However, temperature criteria for an advisory or warning can vary from state to state to reflect regional climate differences.



Source: NOAA/NWS, <http://www.nws.noaa.gov/om/windchill/>



2.7.1 Extreme Temperature Profile

Extreme Temperature: Profile Risk Table	
Period of occurrence:	<p>Extreme heat is most likely to occur in the months of July, August, or September. Extreme heat has been known to occur in May, June, and October. The likelihood of extreme heat occurring outside of these months is extremely small and unheard of December through March.</p> <p>Extreme cold is most likely to occur in the months of December, January or February.</p>
Kentucky Number of events: (1960-2013)	1,175*
Kentucky Probability of events:	22.17*
Kentucky Past Damages	\$1,141,306*
Fayette County Number of events:	Not in Plan
Fayette County Probability of events:	Not in Plan
Fayette County Past Damages	Not in Plan
UK Incidents:	17
UK Damages Claimed:	\$490,395.70
Warning time:	The National Weather Service will initiate alert procedures when the Heat Index is expected to exceed 105° - 110°F (depending on local climate) for at least two consecutive days. Currently, there are no official warnings for extreme cold. This was tested in 2012 but later dropped.
Potential impact:	<p>Extreme heat, impacts human life, health, and public safety. Fires due to extremely dry conditions are possible. Can lead to economic losses such as decreased land values and agribusiness losses.</p> <p>Extreme cold, impacts human life, health, and public safety. Rivers and lakes freeze causing transportation issues. Energy consumption goes up and depending on the time of year extreme cold can have large impacts on agriculture. Cold temperatures can also cause ruptured pipes and stressed on engines and motors.</p>
Potential of injury or death:	Slight chance of injury and risk of deaths in children and elderly
Potential duration of facility shutdown:	Days to Months
Extent:	<p>Excessive Heat: 119 degrees Fahrenheit</p> <p>Extreme Cold: 20 degrees below zero</p>

*Source: Commonwealth of Kentucky Enhanced Hazard Mitigation Plan

**Source: LFUCG Hazard Mitigation Plan

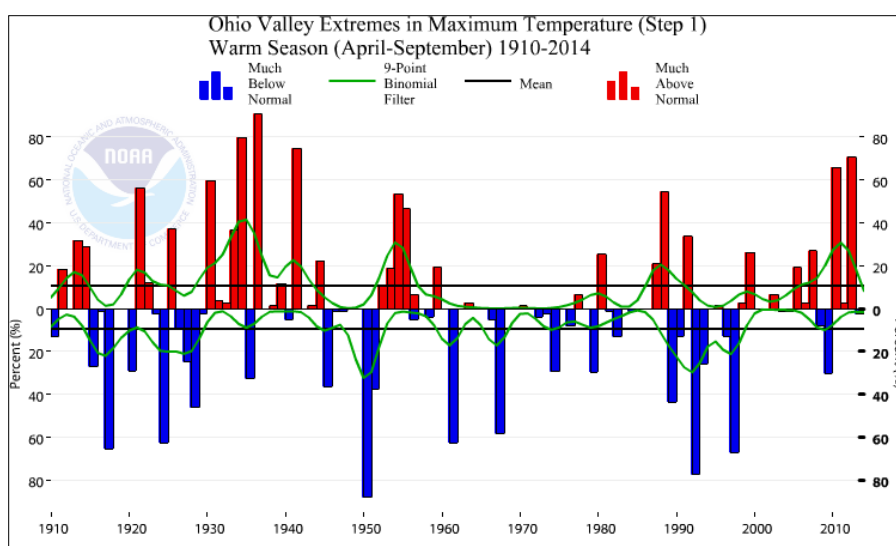


Historical Impact

The Ohio Valley is known to have high humidity and hot summers which lead to excessive heat events (EHE) with high impact on local populations. Below is a chart that marks the percentage above normal average temperatures have been in the Ohio Valley during the warm season.

As can be seen in the *Ohio Valley Extremes in Maximum Temperature* graph, the 2000 – 2010 warm season time period has seen a significant number of departures from the normal. As most of the student and faculty body are absent from campuses during the period of highest probability of occurrence, this event time poses a lesser risk to normal university populations. However, summer class students and instructors, conference attendees, and other summer university staff and faculty are at risk.

Two recent years, 2010 and 2012, exceeded the average above normal temperatures by more than 66%.



Source: NOAA [U.S. Climate Extremes Index](#)

Percentage Above and Below Normal Temperatures for Warm Season in the Ohio Valley															
	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Warm Above	0%	0%	6.6%	0%	0%	19.30%	2.7%	26.90%	0%	0%	66.00%	2.7%	70.70%	0%	0%
Cold Below	0%	0%	0%	1.30%	1.30%	0%	0%	0%	7.9%	31.70%	0%	0%	0%	2.7%	1.3%

Source: NOAA [U.S. Climate Extremes Index](#)



Following are examples of above 100 degree heat occurrences in the Lexington area:

- highest temperature on record: 108 on July 10 and 15, 1936
- longest stretch of consecutive 100 degree days: 9 ending on July 15, 1936
- longest stretch of consecutive 100 degree days in June: 4 in 1936 (June 26-30)
- greatest number of 100 degree days we've ever had in June: 4 in 1936
- Number of times hitting 100 degrees in June: 12 100 degree days in June since 1873

In the winter the Ohio Valley is also subject to cold snaps where temperatures can reach well below freezing with the record cold of -21 in Fayette County. Extreme cold is likely to occur in the winter months when UK faculty, staff, and students are on campus and at risk to the extreme cold. 2010's cold months were some of the coldest on record with 28 days at or below 32 degrees.

Expanding beyond Fayette County, the rest of the Commonwealth has historically experienced extreme temperatures. These events affect the cooperative extensive service offices across the state. Below provides examples of the extent of extreme temperature:

2015 Extreme Cold: A prolonged cold snap, beginning on the 15th, worsened as Arctic high pressure combined with a deep snow pack to produce some of the coldest temperatures since January 1994 during the morning of February 20th. Several locations fell to 20 below zero and colder, temperatures not observed during the month of February in eastern Kentucky since 1899. The prolonged cold temperatures resulted in several counties experiencing widespread water outages due to frozen water lines and frozen intakes caused by ice covered rivers. The coroner in Knox County said that a man in his 50's was found dead along Highway 1304 in the Payne's Creek area. The cause of death was ruled as exposure to the cold. Wayne County Coroner said 70-year-old Tensley Couch died Thursday afternoon in the snow outside of his home in the Jabez community. His cause of death is believed to be cold weather and exertion. The coroner said Couch came home from the store and when his truck became stuck about 150 feet from his home, he tried to walk the rest of the way. Couch collapsed and died about 50 feet from his front door.

2012 Heat Wave: A historic heat wave built across the Midwest the last four days of June and continued through the holiday week, finally coming to an end on July 8th. Lexington had 7 days over 100 degrees in June and July of that year.

2010 Heat Wave: A strong and very persistent high in the upper levels of the atmosphere was responsible for seven consecutive days of heat indices at or above 105 degrees. The high was centered over the Lower Ohio Valley for the first few days of the heat wave, then it shifted slightly southward and weakened. The summer as a whole was among the hottest on record. The heat index peaked mostly between 105 and 110 degrees at airport sites during each afternoon of the event. Heat indices during the early morning hours were mostly in the mid to upper 80's. There were at least 13 heat-related illnesses treated by hospitals in the Paducah area. Twenty-nine cases of heat exhaustion were treated in the Owensboro area, and seven cases in the Hopkinsville area.

In August, excessively high heat indices were recorded in the late morning and afternoon hours of both the 3rd and 4th. On the 3rd, the heat index peaked at 115 degrees at the Paducah airport, 118 at the Owensboro airport, and 112 degrees at the Fort Campbell airfield near Hopkinsville. Heat indices only fell to between 85 and 90 degrees at sunrise. On the 4th, heat indices peaked at 114 at Paducah, 119 at Owensboro, and 114 near Hopkinsville. Actual air temperatures reached 104 degrees at Paducah and 103 at Owensboro. In Graves County, a 64-year-old man collapsed in his home from heat-related stress after doing yard work. The man suffered from pre-existing medical conditions, but the cumulative effect of the



heat was a primary factor. A large fish kill at a small pond in Ballard County was blamed on the heat. About 200 fish died in the one-acre pond. There were reports that several dogs died because of the heat. A large, strong high in the upper levels of the atmosphere overspread the southern half of the nation.

2009 Ice Storm: The massive ice storm of 2009 that swept destruction throughout the state was also coupled with extremely cold weather. Most areas of the state saw temperatures fall to below freezing and wind chills below zero. This exacerbated the challenge of recovering from the storm by allowing the ice to linger even longer and making it even more difficult for work crews to clean up the debris and restore power to peoples' homes.

2007 Kentucky's Warmest Year: The average for August is 75.2 degrees but this year the average was 80.9 degrees. Over the whole 2007 year, there were 61 days of 90 degrees or warmer and 2 of over 100 degrees.

1999 Heat Wave: During the last two weeks of July 1999, the Midwest experienced a lengthy series of days with temperatures higher than 90 degrees F. While only a relatively small number of maximum temperature records were set, the combination of high heat, record dew points, strong solar inputs, and weak winds led to a dangerous situation for people. Before it was over, some 232 deaths were attributed to the heat in the 9-state area served by the MRCC; there were additional health, infrastructure, and economic impacts that were quite significant.

The major loss of life was in large cities where the urban heat island amplified temperatures by 3 to 5 degrees or more. The majority of those who died were elderly persons, living alone in the inner city regions, and either was without air conditioning or without the funds to pay for continuous operation of their air conditioning units. Most of the people who died on the 29th and 30th lived in large cities with an old infrastructure of non-air-conditioned brick buildings. A comparison of hourly temperatures between stations inside large cities and nearby suburban stations demonstrates the strong urban heat island affects during the heat wave.

1994 Record Cold and Snow: An intense winter storm brought record snow to Fayette County along with the record snow levels Fayette County came within one degree of its all time record cold during this event.

1936 Heat Wave: The "Dust Bowl" years of 1930-36 brought some of the hottest summers on record to the United States, especially across the Plains, Upper Midwest and Great Lake States. For the Upper Mississippi River Valley, the first few weeks of July 1936 provided the hottest temperatures of that period, including an all-time record high in Fayette County of 108 degrees on July 10 and 15, 1936. The string of hot, dry days was also deadly. Nationally, around 5000 deaths were associated with the heat wave. Fayette County experienced 85 days over 90 degrees that year which still stands as a record.

2.7.2 Assessing Vulnerability: Extreme Temperature

Extreme Temperature Vulnerability Score = Exposure Score + Hazard Score

Assessing the university's vulnerability by building for Extreme Temperature was determined through first calculating the Extreme Temperature Hazard Score. The Extreme Temperature Hazard Score variables that were used to calculate the overall score were the Kentucky State Hazard Mitigation Plan Extreme Temperature Hazard Score, the Extreme Temperature Occurrence Score, and the Extreme Temperature Loss Score.

The Extreme Temperature Occurrence Score was calculated using insurance claim data along with stakeholder identified events. In cases where the point was placed in an area and not on a building every building in the same 1 KM grid as the point was assigned that point. The occurrence data was calculated for each building and scored 0-1 based on the building with highest occurrence number being 1. The Extreme Temperature Occurrence Score was then multiplied by .33 so it accounted for 33% of the overall Extreme Temperature Hazard Score.



The Extreme Temperature Loss Score was calculated using insurance claim loss data. The claimed loss data was calculated for each building and scored 0-1 based on the building with the highest loss number being 1. The Extreme Temperature Loss Score was then multiplied by .33 so it accounted for 33% of the overall Extreme Temperature Hazard Score.

The Geographic Extent Score variable used for this hazard was captured using the Commonwealth of Kentucky Enhanced Hazard Mitigation Plan "Extreme Temperature Hazard Score". The grid score was used to help generalize the area score as many UK facilities outside of Fayette County are not mapped to a precise location and are instead geocoded to their approximate area. By using the Kentucky State Hazard Mitigation Plan Grid Score we were able to provide an area score to the building based on a generalized hazard score provided by the grid data.

The 2013 Kentucky State Hazard Mitigation Plan: The Extreme Temperature Hazard Score was calculated by studying one (1) specific source of data. The data layer used to create the Extreme Temperature Hazard Score was data collected from the capturing county-level extreme temperature events. In order to use this data for the Extreme Temperature Hazard Score each county was assigned their maximum number of events and that data was aggregated to each grid within that county. To analyze Kentucky's risk to extreme temperature, the county extreme temperature layer was overlaid onto a map of 1 KM MGRS grids in Kentucky. Next, a calculation was computed based on the percent of the area the extreme temperature layer covered within each grid. This percentage of area affected by the extreme temperature layer was then calculated and scored 0-1 to develop the Extreme Temperature Hazard Score.

To complete the UK Extreme Temperature Geographic Extent Score each buildings Hazard Score was based on which Hazard Score 1KM grid they fell within and were assigned a score based on the Kentucky Hazard Mitigation Plan, Hazard Score data. The Geographic Extent Score was then multiplied by .33 so it accounted for 33% of the overall Extreme Temperature Hazard Score. The Geographic Extent Score, Loss Score, and Occurrence Score were then added together to calculate the Extreme Temperature Hazard Score. In order to display the extent and potential magnitude of the hazard on each structure on UK's Main Campus, see the hazard score maps in [Appendix 10](#).

The next step was to add the UK Hazard Score and the Exposure Score together to compile the Extreme Temperature Vulnerability Score (0-1) for each building. Once the final Extreme Temperature Vulnerability Scores were calculated the composite scores were displayed on the maps and broken into four categories, using the Natural Breaks classification system (Low, Moderate, High, and Severe) which demonstrates different levels of vulnerability displayed on the map.

The next two pages will display the Extreme Temperature Vulnerability Score maps for the Main Campus. See [Appendix 11](#) for the Extreme Temperature Vulnerability Score for each building in a tabular format.



University of Kentucky North Campus Extreme Temperature Vulnerability Score





University of Kentucky South Campus Extreme Temperature Vulnerability Score





2.8 Flood Identification



Description

A flood is a natural event for rivers and streams and is caused in a variety of ways. Winter or spring rains, coupled with melting snows, can fill river basins too quickly. Torrential rains from decaying hurricanes or other tropical systems can also produce flooding. The excess water from snowmelt, rainfall, or storm surge accumulates and overflows onto the banks and adjacent floodplains. Floodplains are lowlands, adjacent to rivers, lakes, and oceans that are subject to recurring floods. Currently, floodplains in the U.S. are home to over nine million households.

A flood, as defined by the NFIP is a general and temporary condition of partial or complete inundation of two or more acres of normally dry land area, or of two or more properties from:

- overflow of inland or tidal waters
- unusual and rapid accumulation or runoff of surface waters from any source
- a mudflow
- a collapse or subsidence of land along the shore of a lake or similar body of water as a result of erosion or undermining caused by waves or currents of water exceeding anticipated cyclical levels that result in a flood

Factors determining the severity of floods include:

- Rainfall intensity and duration
- A large amount of rain over a short time can result in flash flooding
- Small amounts may cause flooding where the soil is saturated
- Small amounts may cause flooding if concentrated in an area of impermeable surfaces
- Topography and ground cover
- Water runoff is greater in areas with steep slopes and little vegetation

Frequency of inundation depends on the climate, soil, and channel slope. In regions without extended periods of below-freezing temperatures, floods usually occur in the season of highest precipitation.

Types

Floods are the result of a multitude of naturally occurring and human-induced factors, but they all can be defined as the accumulation of too much water in too little time in a specific area. Types of floods include regional floods, river or riverine floods, flashfloods, urban floods, ice-jam floods, storm-surge floods, dam- and levee-failure floods, and debris, landslide, and mudflow floods. The following information is specific to the mid-west, especially, Kentucky:

- *Regional Flooding* can occur seasonally when winter or spring rains coupled with melting snow fill river basins with too much water too quickly. The ground may be frozen, reducing infiltration into the soil and thereby increasing runoff. Extended wet periods during any part of the year can create saturated soil conditions, after which any additional rain runs off into streams and rivers, until river capacities are exceeded. Regional floods are many times associated with slow-moving, low-pressure or frontal storm systems including decaying hurricanes or tropical storms.
- *River or Riverine Flooding* is a high flow or overflow of water from a river or similar body of water, occurring over a period of time too long to be considered a flash flood.



- *Flash Floods* are quick-rising floods that usually occur as the result of heavy rains over a short period of time, often only several hours or even less. Flash floods can occur within several seconds to several hours and with little warning. They can be deadly because they produce rapid rises in water levels and have devastating flow velocities. Several factors can contribute to flash flooding. Among these are rainfall intensity, rainfall duration, surface conditions, and topography and slope of the receiving basin. Urban areas are susceptible to flash floods because a high percentage of the surface area is composed of impervious streets, roofs, and parking lots where runoff occurs very rapidly. Mountainous areas also are susceptible to flash floods, as steep topography may funnel runoff into a narrow canyon. Floodwaters accelerated by steep stream slopes can cause the flood-wave to move downstream too fast to allow escape, resulting in many deaths.

Flash floods can also be caused by ice jams on rivers in conjunction with a winter or spring thaw, or occasionally even a dam break. The constant influx of water finally causes a treacherous overflow; powerful enough to sweep vehicles away, roll boulders into roadways, uproot trees, level buildings, and drag bridges off their piers.

- *Urban Flooding* is possible when land is converted from fields or woodlands to roads and parking lots; thus, losing its ability to absorb rainfall. Urbanization of a watershed changes the hydrologic systems of the basin. Heavy rainfall collects and flows faster on impervious concrete and asphalt surfaces. The water moves from the clouds, to the ground, and into streams at a much faster rate in urban areas. Adding these elements to the hydrological systems can result in floodwaters that rise very rapidly and peak with violent force. During periods of urban flooding, streets can become swift moving rivers and basements can fill with water. Storm drains often back up with vegetative debris causing additional, localized flooding.

Stream flooding is much worse inland during storm surge because of backwater effects.

- *Dam-Failure Flooding* is potentially the worst flood event. A dam failure is usually the result of neglect, poor design, or structural damage caused by a major event such as an earthquake. When a dam fails, an access amount of water is suddenly let loose downstream, destroying anything in its path. Dams and levees are built for flood protection. They usually are engineered to withstand a flood with computed risk of occurrence. For example, a dam or levee may be designed to contain a flood at a location on a stream that has a certain probability of occurring in any one year. If a larger flood occurs, then that structure will be overtopped. If during the overtopping the dam or levee fails or is washed out, the water behind it is released and becomes a flash flood. Failed dams or levees can create floods that are catastrophic to life and property because of the tremendous energy of the released water.
- *Debris, Landslide, and Mudflow Flooding* is created by the accumulation of debris, mud, rocks, and/or logs in a channel, forming a temporary dam. Flooding occurs upstream as water becomes stored behind the temporary dam and then becomes a flash flood when the dam is breached and rapidly washes away. Landslides can create large waves on lakes or embankments and can be deadly.

Most lives are lost when people are swept away by flood currents, whereas most property damage results from inundation by sediment-laden water. Flood currents also possess tremendous destructive power as lateral forces can demolish buildings and erosion can undermine bridge foundations and footings leading to the collapse of structures.

Facts

The community should be informed that:

- 80% of flood deaths occur in vehicles, and most happen when drivers try to navigate through flood waters.
- Only six inches of rapidly moving flood water can knock a person down.



- A mere two feet of water can float a large vehicle.
- One-third of flooded roads and bridges are so damaged by water that any vehicle trying to cross stands only a 50% chance of making it to the other side.
- 95% of those killed in a flash flood tried to outrun the waters along their path rather than climbing rocks or going uphill to higher grounds.
- Most flood-related deaths are due to flash floods.
- Homeowners' insurance policies do not cover floodwater damage.
- Six to eight million homes are located in flood-prone areas.
- Flooding has caused the deaths of more than 10,000 people since 1900.
- More than \$4 billion is spent on flood damage in the U.S. each year.
- On average, there are about 145 deaths each year due to flooding.
- About one-third of insurance claims for flood damages are for properties located outside identified flood hazard areas.
- Under normal conditions floods do not cause damage. Damage occurs when structures are built in flood-prone areas.

Common Flood-Related Terms

- **100-Year Flood Plain.** The area that has a 1% chance, on average, of flooding in any given year. (Also known as the Base Flood.)
- **500-Year Flood Plain.** The area that has a 0.2% chance, on average, of flooding in any given year.
- **Base Flood.** Represents a compromise between minor floods and the greatest flood likely to occur in a given area. The elevation of water surface resulting from a flood that has a 1% chance of occurring in any given year.
- **Floodplain.** The land area adjacent to a river, stream, lake, estuary, or other water body that is subject to flooding. This area, if left undisturbed, acts to store excess floodwater. The floodplain is made up of two sections: the floodway and the flood fringe.
- **Floodway.** The NFIP floodway definition is "the channel of a river or other watercourse and adjacent land areas that must be reserved, in order to discharge the base flood without cumulatively increasing the water surface elevation more than one foot." The floodway carries the bulk of the floodwater downstream and is usually the area where water velocities and forces are the greatest. NFIP regulations require that the floodway be kept open and free from development or other structures that would obstruct or divert flood flows onto other properties. Floodways are not mapped for all rivers and streams but are generally mapped in developed areas. Unlike floodplains, floodways do not reflect a recognizable geologic feature.
- **Flood Fringe.** The flood fringe refers to the outer portions of the floodplain, beginning at the edge of the floodway and continuing outward. The fringe land area is outside of the stream or river floodway, but is subject to inundation by regular flooding

Annual flooding. Occurs much more frequently than the 100-year flood and, over time, may in fact produce a much greater risk to structure.



2.8.1 Flood Profile

Flood: Profile Risk Table	
Period of occurrence:	Riverine Flooding: any time but primarily December through May Flash floods: anytime, but primarily during Spring and Summer rains
Kentucky Number of events: (1960-2013)	5,934*
Kentucky Probability of events:	112*
Kentucky Past Damages	\$2,301,445,697*
Fayette County Number of events:	39**
Fayette County Probability of events:	.89**
Fayette County Past Damages	\$7,516,407**
UK Incidents:	64
UK Damages Claimed:	\$80,356.59
Warning time:	River flooding – 3 to 5 days Flash flooding – Minutes to hours Out-of-bank flooding – several hours/days
Potential impact:	Impacts human life, health, and public safety. Utility damages and outages, infrastructure damage (transportation and communication systems), structural damage, fire, damaged or destroyed critical facilities, and hazardous material releases. Can lead to economic losses such as unemployment, decreased land values, and agribusiness losses. Floodwaters are a public safety issue due to contaminants and pollutants.
Potential of injury or death:	Injury and risk of multiple deaths
Potential duration of facility shutdown:	Weeks to months
Extent:	Eight inches in a five hour period

*Source: Commonwealth of Kentucky Enhanced Hazard Mitigation Plan

**Source: LFUCG Hazard Mitigation Plan



Historical Impact

UK's Main Campus is at a limited risk to wide spread flooding due to campus being located on a generally topographical high area. All streams that originate in Fayette County Drain out and away from the core urban area which contains UK's Main Campus. This physiographic feature originally defined the orientation of the downtown grid layout and helped shape the development of the community.

Presidential Declarations for Flood
May 11, 2010 , DR1912, severe storms, flooding, mudslides, and tornadoes
February 5, 2009 , DR1818, severe winter storms and flooding
June 10, 2004 , DR1523, flooding, severe storms, and landslides impacted the region.
March 14, 2003 , DR1454, flooding, ice, snow, and tornadoes.
March 4, 1997 , DR1163, flooding.
February 24, 1989 , DR821, flooding and severe storms.

Urban Lexington does not experience widespread flooding from any one stream and UK's Main Campus and facilities do not contain NFIP insured structures that have been repetitively damaged by floods. However, due to the nature of stream distribution and the topography, flood problems are highly localized and, for the most part, respond very rapidly to a given storm event. This flash flooding occurs when the volume of rain exceeds the capacity of the storm water system. Urban flooding primarily impacts businesses, residential structures, streets and roads, and disrupts vital services. Urban and Flash Flooding provide the greatest flood hazard to UK's Main Campus, creating potential deadly situations. On September 23, 2006, two women were killed when they were knocked down and swept away by rapidly flowing water adjacent to UK's Main Campus, after trying to cross a flooded intersection. Sixty intersections in town were covered by high water, some with water depths up to three or four feet. Interstate 75 at mile marker 115 was flooded. Interstate 64 at mile marker 81 also had high water.

While UK's Main Campus is primarily at risk to localized urban flooding UK has facilities located throughout the state making their overall flood hazard mirror Kentucky's flood hazard. Among the highest magnitude events recorded between 2010-2015 occurred on June 20, 2011. According to the National Climatic Data Center Storm Event Database, during the overnight and early morning hours of Monday, June 20th, numerous strong to severe thunderstorms wreaked havoc on portions of eastern KY. Between 2 and 5 am EDT, numerous trees were blown across Laurel, Bell, Knox, and Whitley counties. The real problems began around 5 am EDT, when historical flash flooding began to occur. Parts of Bell and Knox were completely devastated as area creeks and streams quickly over topped their banks, flooding the surrounding countryside. The hardest hit areas were Kay Jay, Trosper, and Warren Camp in Knox county and Middlesboro in Bell county. Dozens of homes were heavily damaged or destroyed by the raging flood waters. One death was attributed to the flooding. Anywhere from 3-8 inches of rain fell between 2 and 7 am EDT across Knox and Bell counties. Flooding continued to occur across several other counties of eastern KY, with Breathitt county seeing the most widespread flooding between 9 and 11 am EDT. The floods caused estimated damages in the millions of dollars.



2.8.2 Assessing Vulnerability: Flooding

Flood Vulnerability Score = Exposure Score + Hazard Score

Assessing the university's vulnerability by building for Flood was determined through first calculating the Flood Hazard Score. The Flood Hazard Score variables used to calculate the Hazard Score was a combination of the Occurrence Score, Loss Score and Geographic Extent Score.

The Flood Occurrence Score was calculated using insurance claim data along with stakeholder identified events. In cases where the point was placed in an area and not on a building every building in the same 1 KM grid as the point was assigned that point. The occurrence data was calculated for each building and scored 0-1 based on the building with highest occurrence number being 1. The Flood Occurrence Score was then multiplied by .33 so it accounted for 33% of the overall Flood Hazard Score.

The Flood Loss Score was calculated using insurance claim loss data. The claimed loss data was calculated for each building and scored 0-1 based on the building with the highest loss number being 1. The Flood Loss Score was then multiplied by .33 so it accounted for 33% of the overall Flood Hazard Score.

The Geographic Extent Score variable used for this Plan was developed using the Commonwealth of Kentucky Enhanced Hazard Mitigation Plan "Flood Hazard Score". The grid score was used to help generalize the area score as many UK facilities outside of Fayette County are not mapped to a precise location and are instead geocoded to their approximate area. By using the Kentucky State Hazard Mitigation Plan Grid Score we were able to provide an area score to the building based on a generalized hazard score provided by the grid data.

The 2013 Kentucky State Hazard Mitigation Plan: The Flood Hazard Score was calculated by studying two (2) sources of data. Each of the datasets was provided by the Kentucky Division of Water (KDOW) and FEMA. The first data layer used to create the Flood Hazard Score was the Digital Flood Insurance Rate Map (DFIRM). The DFIRM displays a geo-referenced data layer that depicts where flooding could occur. To analyze Kentucky's risk to flood according to the DFIRM data, the DFIRM layer was overlaid onto a map of 1 KM MGRS grids in Kentucky. Next, a calculation was computed based on the percent of the area the DFIRM covered within each grid. This percentage of area affected by the mapped flood potential area (DFIRM) was then calculated and scored 0-1 to develop 50% of the Flood Hazard Score.

The next step determined the total number of Severe Repetitive Loss (SRL) and Repetitive Loss (RL) properties within each 1 KM MGRS grid. This data displayed where concentrations of flood events have occurred, thus producing areas of risk. Once all the SRL and RL property points were aggregated to their appropriate grid, each grid was giving a score 0-1 to create the other 50% of the Flood Hazard Score.

The Flood Hazard Score was then calculated by adding the two (2) scores together and scored 0-1.

Using this data as a base layer each UK building was overlaid onto a map within GIS to identify which buildings are at risk to flooding. To complete the Geographic Extent Score for UK each building was given the grid score of the grid it is located in. The Geographic Extent Score was then multiplied by .33 so it accounted for 33% of the overall Flood Hazard Score. The Geographic Extent Score, Loss Score, and Occurrence Score were then added together to calculate the Flood Hazard



Score. In order to display the extent and potential magnitude of the hazard on each structure on UK's Main Campus, see the hazard score maps in [Appendix 10](#).

The final step was to add the Hazard Score and the Exposure Score together to compile the Flood Vulnerability Score (0-1) for each building. It is important to note that if the Flood Hazard Score is 0 then the Flood Vulnerability Score will also be 0. Once the final Flood Vulnerability Scores were calculated the composite scores were displayed on the maps and broken into four categories, using the Natural Breaks classification system (Low, Moderate, High, and Severe) which demonstrates different levels of vulnerability displayed on the map.

The next two pages will display the Flood Vulnerability Score maps for the Main Campus. See [Appendix 11](#) for the Flood Vulnerability Score for each building in a tabular format.



University of Kentucky North Campus Flood Vulnerability Score



Legend

- UK Campus Boundary
- Street
- Flooding
- Flood Zone

Flood Vulnerability Score

- Low
- Moderate
- High
- Severe

0 0.05 0.1 0.2 Miles

This map contains information from the following sources: University of Kentucky, Kentucky State Hazard Mitigation Plan, Kentucky Division of Water, Kentucky Geologic Survey, Kentucky Geographic Information Services, LFUCG, The Center for Hazards Research and Policy Development, and The National Weather Service.

UK
UNIVERSITY OF KENTUCKY

CENTER FOR HAZARDS RESEARCH AND POLICY DEVELOPMENT
UNIVERSITY OF LOUISVILLE





2.9 Forest Fire Identification

Description

A forest fire is any non-structural fire, other than a prescribed fire, that occurs in the wildland. The term encompasses fires previously called wildland fire, wildfires and prescribed natural fires. Though often a beneficial occurrence, fires are frequently suppressed by various agencies to prevent structural loss. Forest fire suppression is a management response that results in curtailment of fire spread and eliminates all identified threats from a particular fire. This suppression, however, eventually leads to more severe fires, as vegetation becomes denser.

Types

There are three different classes of forest fires:

- *Surface fires* are the most common type and burn along the floor of a forest, moving slowly and killing or damaging trees.
- *Ground fires* are usually started by lightning and burn on or below the forest floor.
- *Crown fires* spread rapidly by wind and move quickly by jumping along the tops of trees.
 - *Spotting* can be produced by crown fires as well as wind and topography conditions. Large burning embers are thrown ahead of the main fire. Once spotting begins, the fire will be very difficult to control.

The average forest fire kills most trees up to 3-4 inches in diameter, in the area burned. These trees represent approximately 20 years of growth. In the case of up-slope burning, under severe conditions, almost every tree is killed regardless of size or type. When the trees are burned and everything is killed, then the forest is slow to reestablish itself, because of the loss of these young seedlings, saplings, pole, and sawtimber trees.

Included in the destruction by fires are the leaf and other litter on the forest floor. This exposes the soil to erosive forces, allowing rainstorms to wear away the naked soil and wash silt and debris downhill, which will clog the streams and damage fertile farmlands in the valleys. Once the litter and humus (spongy layer of decaying matter) is destroyed, water flows more swiftly to the valleys and increases flood danger.

Other consequences of forest fires are the death of and loss of habitat for the forest's wildlife. Even when the adult animals escape, the young are left behind to perish. The heaviest wildlife lost is felt by game birds since they have ground nesting habits. Fish life also suffers as a result of the removal of stream shade and the loss of insect and plant food is destroyed by silt and lye from wood ashes washed down from burned hillsides.

Forest Fire Fuel Categories

- *Light* fuels such as shrubs, grasses, leaves, and pine needles (any fuel having a diameter of one-half inch or less) burn rapidly and are quickly ignited because they are surrounded by plenty of oxygen. Fires in light fuels spread rapidly but burn out quickly, are easily extinguished, and fuel moisture changes more rapidly than in heavier fuels.
- *Heavy* fuels such as limbs, logs, and tree trunks (any fuel one-half inch or larger in diameter) warm more slowly than light fuels, and the interiors are exposed to oxygen only after the outer portion is burned.
- *Uniform* fuels include all of the fuels distributed continuously over an area. Areas containing a network of fuels that connect with each other to provide a continuous path for a fire to spread are included in this category.



- *Patchy* fuels include all fuels distributed unevenly over an area, or as areas of fuel with definite breaks or barriers present, such as patches of rock outcroppings, bare ground, swamps, or areas where the dominant type of fuel is much less combustible.
- *Ground* fuels are all of the combustible materials lying beneath the surface including deep duff, tree roots, rotten buried logs, and other organic material.
- *Surface* fuels are all of the combustible materials lying on or immediately above the ground, including needles or leaves, duff, grass, small deadwood, downed logs, stumps, large limbs, and low shrubs.
- *Aerial* fuels are all of the green and dead materials located in the upper canopy, including tree branches and crowns, snags, hanging moss, and tall shrubs.

Fuel Types

1. *Grass*. Found in most areas, but grass is more dominant as a fuel in desert and range areas where other types of fuel are less prevalent. It can become prevalent in the years after a fire in formerly timbered areas.
2. *Shrub (brush)*. Shrub is found throughout most areas of the U.S. Some examples of highly flammable shrub fuels are the palmetto/ gallberry in the Southeast, sagebrush in the Great Basin, and chaparral in the Southwest.
3. *Timber litter*. This type of fuel is most dominant in mountainous topography, especially in the Northwest.
4. *Logging slash*. This fuel is found throughout the country. It is the debris left after logging, pruning, thinning, or shrub-cutting operations. It may include logs, chunks, bark, branches, stumps, and broken understory trees or shrubs.

Fuel Characteristics

Fuel moisture is the amount of water in a fuel. This measurement is expressed as a percentage. The higher the percentage of moisture extant in the fuel, the greater the water within the fuel. How well a fuel will ignite and burn is dependent, to a large extent, on its moisture content. Dry fuels will ignite and burn much more easily than the same fuels when they are wet (contain a high moisture content). As a fuel's moisture content increases, the amount of heat required to ignite and burn that fuel also increases. Light fuels take on and lose moisture faster than heavier fuels. Wet fuels have high moisture content because of exposure to precipitation or high relative humidity, while dry fuels have low moisture content because of prolonged exposure to sunshine, dry winds, Severe Storm, or low relative humidity.

Facts

- Homeowners can do much to help save their homes from forest fires, such as constructing the roof and exterior structure of a dwelling with non-combustible or fire resistant materials such as tile, slate, sheet iron, aluminum, brick or stone.
- While it was U.S. policy for most of the 20th century to suppress forest fires, fires actually benefit the ecosystem. The effects of fire can retard or accelerate the natural development of plant communities, alter species diversity and change nutrient flows.
- More than 100 years of suppressing fires, combined with past land-use practices, have resulted in a heavy buildup of dead vegetation, dense stands of trees, a shift to species that have not evolved and adapted to fire, and occasionally an increase in non-native, fire-prone plants. Because of these conditions, today's fires tend to be larger, burn hotter, and spread farther and faster, making them more severe.
- Government scientists have also concluded that "fire severity has generally increased and fire frequency has generally decreased over the last 200 years. The primary causative factors behind fire regime changes are effective



fire prevention and suppression strategies, selection and regeneration cutting, domestic livestock grazing, and the introduction of exotic plants.”

- Scientific analysis of the 2000 fire season revealed that the vast majority of burned acres were located in previously logged and roaded areas, not in road-less or wilderness areas.
- The Endangered Species Act permits federal officials to take actions that might impact endangered species or their habitat during times of emergency, including forest fire emergencies.



Water can be taken from a river without permission from wildlife agencies during emergencies.

- There is consensus in the scientific literature dealing with fire and forest management that forests in un-roaded, un-logged areas have the most fire resiliency and present a lower fire risk compared to other areas.
- The Congressional Research Service, in an August 2000 report analyzing the impact of the fires in 2000, concluded, "Timber harvesting removes the relatively large diameter wood that can be converted into wood products, but leaves behind the small material, especially twigs and needles. The concentration of these 'fine fuels' on the forest floor increases the rate of spread of forest fires."
- Fire ecologists and most forest scientists agree that long-term ecological restoration with careful fire reintroduction (not increased resource extraction or aggressive fire suppression) holds the best hope of preventing future large-scale severe forest fires in fire-dependent ecosystems of the interior West.
- Many species depend on fires to improve habitat, recycle nutrients and maintain diverse habitats.
- Humans, either through negligence, accident, or intentional arson, have caused approximately 90% of all forest fires in the last decade. Accidental and negligent acts include unattended campfires, sparks, burning debris, and irresponsibly discarded cigarettes. The remaining 10% of fires are mostly caused by lightning, but may also be caused by other acts of nature such as volcanic eruptions or earthquakes.



2.9.1 Forest Fire Profile

Forest Fire: Profile Risk Table	
Period of occurrence:	Spring Forest Fire Hazard Season: Feb. 15 through April 30 Fall Forest Fire Hazard Season: Oct. 1 through Dec. 15
Kentucky Number of events: (1997-2012)	22,467*
Kentucky Probability of events:	898.68*
Kentucky Past Damages	\$41,250*
Fayette County Number of events: (2005-2011)	2**
Fayette County Probability of events:	.33**
Fayette County Past Damages	Unknown**
UK Incidents:	0
UK Damages Claimed:	0
Warning time:	None, unless associated with drought
Potential impact:	Utility damage and outages, infrastructure damage (transportation and communication systems), structural damage, fire, damaged or destroyed critical facilities, and hazardous material releases.
Potential of injury or death:	Injury and risk of multiple deaths
Potential duration of facility shutdown:	30 Days or More
Extent:	367,019 acres per year statewide

*Source: Commonwealth of Kentucky Enhanced Hazard Mitigation Plan

**Source: LFUCG Hazard Mitigation Plan

Forests cover approximately 12 million acres of land in Kentucky, representing 47 percent of the state's land cover. The Cumberland Plateau and the Appalachians in the eastern part of the state account for 50 percent of the state's forest cover, with 25 contiguous counties having a forest cover percentage of greater than 75 percent.

There are two defined forest fire seasons in Kentucky: February 15-April 30 and October 1-December 15. These spring and fall seasons are separated by periods of higher moisture and colder, less conducive fire weather. Leaf drop in the fall



from deciduous hardwood trees produces a thick litter layer in forested areas which rapidly carries expanding forest fires. Tall grasses across the state become very flammable in the fall and during periods of drought. Forest fire occurrence is possible outside of these defined fire seasons during any prolonged periods of drought. During these forest fire seasons, specific outdoor burning laws have been established to lessen the occurrence of damaging forest fires.

Kentucky Revised Statute 149.400 prohibits outdoor burning during these fire seasons between 6 am and 6 pm unless at a distance of at least 150 feet from woodlands or brushland. Kentucky averages 1,484 forest fires a year that burn 38,000 acres of private lands. During the past ten years, these forest fires have destroyed 270 homes, structures, and improvements valued at \$4,145,216.00. However, during the same time frame, 7,129 homes and structures have been saved by wildland firefighters for a value of \$332,018,580.00. In the past five years forest fires in Kentucky have also been attributed to the deaths of at least five citizens including one Kentucky Division of Forestry firefighter. Based on a recent study conducted by the University of Kentucky and the Kentucky Division of Forestry (KDF), the loss in timber value over this ten year period exceeds \$139,450,000.00 [Reeves and Stringer 2010]. With such a clear threat to life, and property, identifying successful forest fire mitigation projects has become a priority for the state.

Kentucky's forest fire risks are compounded by the state's extremely high arson rate. Kentucky has the highest arson rate of all the 13 southern states. In fact, 62 percent of all forest fires in Kentucky are deliberately set by arsonists. Over 90 percent are human caused. These high numbers also represent a high potential for prevention efforts.

The area of Kentucky generally referred to as Appalachia poses the greatest forest fire risk within the state due to the mountainous terrain, limited access roads, and high arson occurrence. This area is the most heavily forested area of the state and heavier fuel loading increases the risks of forest fire [KDF 2013]."

According to the Kentucky Division of Forestry Fire Summary from 1960-2014, in 1980, the largest amount of acreage burned of 367,019 acres across the Commonwealth, which an average of 122 acres burned of the 3,011 fires reported. 1963 recorded the highest frequency of fires at 4,579. The 53 year average is 69,833 acres burned per year.





2.9.2 Assessing Vulnerability: Forest Fire

Forest Fire Vulnerability Score = Exposure Score + Hazard Score

Assessing the university's vulnerability by building for forest fire was determined through first calculating the Forest Fire Hazard Score. The Forest Fire Hazard Score variable that was used to calculate the overall score was the Geographic Extent Score.

The Geographic Extent Score variable used for this hazard was captured using the Commonwealth of Kentucky Enhanced Hazard Mitigation Plan, Forest Fire Hazard Score. The grid score was used to help generalize the area score as many UK facilities outside of Fayette County are not mapped to a precise location and are instead geocoded to their approximate area. By using the Kentucky State Hazard Mitigation Plan Grid Score we were able to provide an area score to the building based on a generalized hazard score provided by the grid data.

The 2013 Kentucky State Hazard Mitigation Plan: The Forest Fire Hazard Score was calculated by studying two (2) sources of data. The first layer used to create the Forest Fire Hazard Score was derived from the USGS NLCD land cover GIS map layer. This layer was used to calculate three (3) acre or higher forested areas to display forest fire potential. The NLCD land cover layer displays a geo-referenced data layer that depicts where forest fire potential could be based on three (3) acre forest coverage. To analyze Kentucky's risk to forest fire, the forest fire layer was overlaid onto a map of 1 KM MGRS grids in Kentucky. Next, a calculation was computed based on the percent of the area the forest fire layer covered within each grid. This percentage of area affected by the forest fire potential areas was then calculated and scored 0-1 to develop 50% of the Forest Fire Hazard Score.

The next step was determined by calculating the number of forest fire points. This point data acquired from Kentucky Division of Forestry (KDF), displayed where concentrations of forest fires have occurred, thus producing areas of risk. The KDF forest fire point layer displays a geo-referenced data layer that depicts where forest fires have been identified. To analyze Kentucky's risk to forest fire, the KDF forest fire point layer was overlaid onto a map of 1 KM MGRS grids in Kentucky. Next, a calculation was computed based the total number of forest fires that have occurred within each grid. The total number was then calculated for each grid and scored 0-1 to develop 50% of the Forest Fire Hazard Score.

The Forest Fire Hazard Score was then calculated by adding the two (2) scores together and scored 0-1.

To complete the UK Forest Fire Hazard Score each buildings Hazard Score was based on which Kentucky Hazard Mitigation Plan, Forest Fire Hazard Score 1KM grid they fell within and were assigned that score. In order to display the extent and potential magnitude of the hazard on each structure, see the hazard score maps for the Main Campus in [Appendix 10](#). The next step was to add the UK Hazard Score and the Exposure Score together to compile the Forest Fire Vulnerability Score (0-1) for each building. Once the final Forest Fire Vulnerability Scores were calculated the composite scores were displayed on the maps and broken into four categories, using the Natural Breaks classification system (Low, Moderate, High, and Severe) which demonstrates different levels of vulnerability displayed on the map.

The next two pages will display the Forest Fire Vulnerability Score maps for the Main Campus. See [Appendix 11](#) for the Forest Fire Vulnerability Score for each building in a tabular format.



University of Kentucky North Campus Forest Fire Vulnerability Score



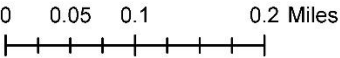
Legend

— Street

○ UK Campus Boundary

Forest Fire Vulnerability Score

- Low
- Moderate
- High
- Severe



This map contains information from the following sources: University of Kentucky, Kentucky State Hazard Mitigation Plan, Kentucky Division of Water, Kentucky Geologic Survey, Kentucky Geographic Information Services, LFUCG, The Center for Hazards Research and Policy Development, and The National Weather Service.





University of Kentucky South Campus Forest Fire Vulnerability Score



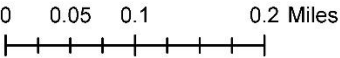
Legend

— Street

○ UK Campus Boundary

Forest Fire Vulnerability Score

- Low
- Moderate
- High
- Severe



This map contains information from the following sources: University of Kentucky, Kentucky State Hazard Mitigation Plan, Kentucky Division of Water, Kentucky Geologic Survey, Kentucky Geographic Information Services, LFUCG, The Center for Hazards Research and Policy Development, and The National Weather Service.





2.10 Hail Identification

Description

Hail is showery precipitation in the form of irregular pellets or balls of ice more than 5 mm in diameter, falling from a cumulonimbus cloud ([NOAA Glossary](#)).

Hail is a somewhat frequent occurrence associated with severe thunderstorms. Hailstones grow as ice pellets and are lifted by updrafts, and collect super-cooled water droplets. As they grow, hailstones become heavier and begin to fall. Sometimes, they are caught by successively stronger updrafts and are re-circulated through the cloud growing larger each time the cycle is repeated. Eventually, the updrafts can no longer support the weight of the hailstones. As hailstones fall to the ground, they produce a hail-streak (i.e. area where hail falls) that may be more than a mile wide and a few miles long.

Types

Hail is a unique and fairly common hazard capable of producing extensive damage from the impact of these falling objects. Hailstorms occur more frequently during the late spring and early summer months. Most thunderstorms do not produce hail, and ones that do normally produce only small hailstones not more than one-half inch in diameter. However, hailstones can grow larger than the size of a golf ball before falling to the ground.

Facts

- Hailstones can fall at speeds of up to 120 mph.
- Hail is responsible for nearly \$1 billion in damage to crops and property each year in the U.S.
- The largest hailstone ever recorded fell in Vivian, South Dakota in 2010. It measured 8 inches in diameter and weighed almost two pounds.

Hail size and diameter in relation to TORRO Hailstorm Intensity Scale		
Size code	Diameter (nearest mm)	Description
0	5-9	Pea
1	10-15	Mothball
2	16-20	Marble, grape
3	21-30	Walnut
4	31-40	Pigeon's egg > squash ball
5	41-50	Golf ball > Pullet's egg
6	51-60	Hen's egg
7	61-75	Tennis ball > cricket ball
8	76-90	Large orange > Soft ball
9	91-100	Grapefruit
10	>100	Melon

Source: [TORRO Hail Scale](#)



TORRO Hail Intensity Scale

Intensity categories range from H0 to H10, with H10 being the most destructive indicating structural damage possible.

	Intensity Category	Typical Hail Diameter (mm)*	Probable Kinetic Energy, J-m2	Typical Damage Impacts
H0	Hard Hail	5	0-20	No damage
H1	Potentially Damaging	5 - 15	>20	Slight general damage to plants, crops
H2	Significant	10 - 20	>100	Significant damage to fruit, crops, vegetation
H3	Severe	20-30	>300	Severe damage to fruit and crops, damage to glass and plastic structures, paint and wood scored
H4	Severe	25-40	>500	Widespread glass damage, vehicle bodywork damage
H5	Destructive	30-50	>800	Wholesale destruction of glass, damage to tiled roofs, significant risk of injuries
H6	Destructive	40-60		Bodywork of grounded aircraft dented, brick walls pitted
H7	Destructive	50-75		Severe roof damage, risk of serious injuries
H8	Destructive	60-90		Severe damage to aircraft bodywork
H9	Super Hailstorms	75-100		Extensive structural damage. Risk of severe or even fatal injuries to persons caught in the open
H10	Super Hailstorms	>100		Extensive structural damage. Risk of severe or even fatal injuries to persons caught in the open



2.10.1 Hail Profile

Hail: Profile Risk Table	
Period of occurrence:	Year-round
Kentucky Number of events: (1960-2013)	4,882*
Kentucky Probability of events:	92.11*
Kentucky Past Damages	\$983,340,017*
Fayette County Number of events:	63**
Fayette County Probability of events:	1.66**
Fayette County Past Damages	\$5,367,600**
UK Incidents:	3
UK Damages Claimed:	\$7,450
Warning time:	Minutes to hours
Potential impact:	Large hailstorms can include minimal to severe property and crop damage and destruction.
Potential of injury or death:	Injury and slight chance of deaths
Potential duration of facility shutdown:	Days
Extent:	Size Code 8, Diameter 4.25 inches (softball size)

*Source: Commonwealth of Kentucky Enhanced Hazard Mitigation Plan

**Source: LFUCG Hazard Mitigation Plan

Historical Impact

According to the LFUCG Hazard Mitigation plan, at least 63 reported hailstorms have fallen in Fayette County from 1950-2014. These storms have produced an estimated \$5,367,600 worth of damage in 2011 dollars. Most thunderstorms do not produce hail, and ones that do normally produce only small hailstones not more than one-half inch in diameter. As such, no deaths or reported injuries have resulted from hail storms, but such incidents remain a possibility.

The following event detail information is typical of damage and injury due to hailstorms:

- July 27, 2014:** Widespread severe thunderstorms affected portions of eastern Kentucky on July 27th in advance of a strong cold front ushering in a fall-like air mass. Isolated storms moved across the area during the late morning



hours as they moved out of Indiana and Ohio. The more significant severe weather episode occurred during the afternoon and evening hours south of the Mountain Parkway. The second round of storms began to form as warm moist air off the Gulf of Mexico moved northward and interacted with a frontal boundary that extended from south central Indiana into central Kentucky. Numerous reports of large hail between quarter and softball size were received by the weather office. The storms also blew down large numbers of trees across the area. The hardest areas were Clay, Leslie, McCreary, and Whitley counties, where numerous reports of downed trees, giant hail and even one tornado were received. The tornado occurred in Leslie County along with giant softball size hail.

- **March 2012:** Hail in the golf ball- and even tennis ball-size (Approximately 70 mm in diameter)_range was seen in most regions of the state accompanying a tornadic event.
- **May 31, 2006:** Roof damage was reported and power lines were downed in the Newtown Pike area. A cluster of thunderstorms produced widespread tree damage, minor structural damage, heavy rains, and some large hail in the Lexington area. Elsewhere over east central Kentucky, trees and power lines were downed. But the only other structural damage was reported in Greensburg, where a tool shed was rolled.
- **June 14, 2005:** A large Plexiglas window was blown in at the Fayette Mall. No injuries were reported. Thunderstorms developed in an unstable air mass over central Kentucky, out ahead of an advancing cold front. Thunderstorm winds downed trees and power lines over much of the area, along with a few instances of hail and structural damage.



2.10.2 Assessing Vulnerability: Hail

$$\text{Hail Vulnerability Score} = \text{Exposure Score} + \text{Hazard Score}$$

Assessing the university's vulnerability by building for Hail was determined through first calculating the Hail Hazard Score. The Hail Hazard Score variables that were used to calculate the overall score was the Geographic Extent Score, the Loss Score, and the Occurrence Score.

The Hail Occurrence Score was calculated using insurance claim data along with stakeholder identified events. In cases where the point was placed in an area and not on a building every building in the same 1 KM grid as the point was assigned that point. The occurrence data was calculated for each building and scored 0-1 based on the building with highest occurrence number being 1. The Hail Occurrence Score was then multiplied by .33 so it accounted for 33% of the overall Hail Hazard Score.

The Hail Loss Score was calculated using insurance claim loss data. The claimed loss data was calculated for each building and scored 0-1 based on the building with the highest loss number being 1. The Hail Loss Score was then multiplied by .33 so it accounted for 33% of the overall Hail Hazard Score.

The Geographic Extent Score variable used for this Plan was developed using the Commonwealth of Kentucky Enhanced Hazard Mitigation Plan "Hail Hazard Score". The grid score was used to help generalize the area score as many UK facilities outside of Fayette County are not mapped to a precise location and are instead geocoded to their approximate area. By using the Kentucky State Hazard Mitigation Plan Grid Score we were able to provide an area score to the building based on a generalized hazard score provided by the grid data.

The 2013 Kentucky State Hazard Mitigation Plan: The Hail Storm Hazard Score was calculated by studying one (1) specific source of data. The data layer used to create the Hail Storm Hazard Score was collected from the National Weather Service NEXRAD Level-III Radar data. The radar data provided a new and improved capture of hail occurrences using radar to capture when and where hail events were occurring from 2000-2012. As with all new technologies this data does come across with some caveats. Currently the radar is not 100% accurate when capturing images so the data comes with probabilities assigned to each data point captured. For this process CHR used anything with a 50% or greater probability as a counted hail occurrence.

For analyzing this data CHR used a 25 mile radius to calculate each 1 KM MGRS grids geographic risk from a hail event. The 25-mile radius was selected because that is the distance that the National Weather Service uses when producing severe weather alerts and probability maps. Basically, the 25 mile radius reduces the white noise and randomness present in atmospheric event data, which enables a meaningful picture of the risk to each grid, built based on historic rates of occurrence in the area. These 25 mile radiuses create map layers that were used as the base map layer for Hail Storm Hazard Score.

To analyze Kentucky's risk to Hail Storm, the county 25 mile radius Hail Storm layer was overlaid onto a map of 1 KM MGRS grids in Kentucky. Next, a calculation was computed based on the total number of hail events that occurred within a 25 mile radius of each grid. Each grid was then calculated and scored 0-1 to develop the Hail Storm Hazard Score.



Using this data as a base layer each UK building was overlaid onto a map within GIS to identify which buildings are at risk to Hail. To complete the Geographic Extent Score for UK each building was given the grid score of the grid it is located in. The Geographic Extent Score was then multiplied by .33 so it accounted for 33% of the overall Hail Hazard Score. The Geographic Extent Score, Loss Score, and Occurrence Score were then added together to calculate the Hail Hazard Score. In order to display the extent and potential magnitude of the hazard on each structure on UK's Main Campus, see the hazard score maps in [Appendix 10](#).

The final step was to add the Hazard Score and the Exposure Score together to compile the Hail Vulnerability Score (0-1) for each building. Once the final Hail Vulnerability Scores were calculated the composite scores were displayed on the maps and broken into four categories, using the Natural Breaks classification system (Low, Moderate, High, and Severe) which demonstrates different levels of vulnerability displayed on the map.

The next two pages will display the Hail Vulnerability Score maps for the Main Campus. See [Appendix 11](#) for the Hail Vulnerability Score for each building in a tabular format.



University of Kentucky North Campus Hail Storm Vulnerability Score

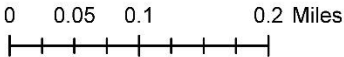


Legend

- UK Campus Boundary
- Street
- Hail

Hail Storm Vulnerability Score

- Low
- Moderate
- High
- Severe



This map contains information from the following sources: University of Kentucky, Kentucky State Hazard Mitigation Plan, Kentucky Division of Water, Kentucky Geologic Survey, Kentucky Geographic Information Services, LFUCG, The Center for Hazards Research and Policy Development, and The National Weather Service.





University of Kentucky South Campus Hail Storm Vulnerability Score



Legend

UK Campus Boundary

Street

Hail

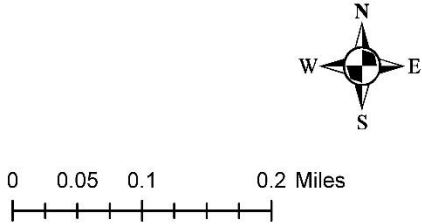
Hail Storm Vulnerability Score

Low

Moderate

High

Severe



This map contains information from the following sources: University of Kentucky, Kentucky State Hazard Mitigation Plan, Kentucky Division of Water, Kentucky Geologic Survey, Kentucky Geographic Information Services, LFUCG, The Center for Hazards Research and Policy Development, and The National Weather Service.





2.11 Karst Identification

Description

Karst is a terrain, generally underlain by limestone or dolomite, in which the topography is chiefly formed by the dissolving of rock and which may be characterized by sinkholes, sinking streams, closed depressions, subterranean drainage, and caves ([Kentucky Geological Survey](#)).

Karst refers to a type of topography formed in limestone, dolomite, or gypsum by dissolution of these rocks by rain and underground water. It is characterized by closed depressions or sinkholes and underground drainage. During the formation of Karst terrain, water percolating underground enlarges subsurface flow paths by dissolving the rock. As some subsurface flow paths are enlarged over time, water movement in the aquifer changes character from one where ground water flow was initially through small, scattered openings in the rock, to one where most flow is concentrated in a few, well-developed conduits. As the flow paths continue to enlarge, caves may be formed and the ground water table may drop below the level of surface streams. Surface streams may then begin to lose water to the subsurface. As more of the surface water is diverted underground, surface streams and stream valleys become a less conspicuous feature of the land surface and are replaced by closed basins. Funnels or circular depressions called sinkholes often develop at some places in the low points of these closed basins.

Karst Landscape

A karst landscape has sinkholes, sinking streams, caves, and springs. The term "karst" is derived from a Slavic word that means barren, stony ground. It is also the name of a region in Slovenia near the border with Italy that is well known for its sinkholes and springs. Geologists have adopted karst as the term for all such terrain. The term "karst" describes the whole landscape, not a single sinkhole or spring.

A karst landscape most commonly develops on limestone, but can develop on several other types of rocks, such as dolostone (magnesium carbonate or the mineral dolomite), gypsum, and salt. Precipitation infiltrates into the soil and flows into the subsurface from higher elevations and generally toward a stream at a lower elevation. Weak acids found naturally in rain and soil water slowly dissolve the tiny fractures in the soluble bedrock, enlarging the joints and bedding planes.

Fifty-five percent of Kentucky sits atop carbonate rocks that are prone to developing karst. Karst hazards include sinkhole flooding, sudden cover collapse, and leakage around dams. The estimated damage caused by karst hazards every year in Kentucky is between \$0.5 million and \$1 million.

Karst as Geologic Hazard

A geologic hazard is a naturally occurring geologic condition that may result in property damage or is a threat to the safety of people. Many hazards to man-made structures can be associated with the type of bedrock, the presence of faults, and other earth processes that occur in Kentucky. Earthquakes get the most press coverage and are the most notorious. Annually, landslides, shrink-swell soils, and flooding cause more damage than earthquakes in Kentucky because they happen more often. Karst hazards cause less damage than earthquakes or landslides, perhaps \$500,000 to \$2,000,000 of economic loss annually, but can still have devastating effect on properties, infrastructures and people.



Four geologic hazards are associated with karst.

- Two common karst-related geologic hazards -- cover-collapse sinkholes and sinkhole flooding -- cause the most damage to buildings.
- A third karst hazard is relatively high concentrations of radon, sometimes found in basements and crawl spaces of houses built on karst.
- Finally, the hydrogeology of karst aquifers makes the groundwater vulnerable to pollution, and this vulnerability may also be considered a type of geologic hazard.

Sinkhole Types

1. **Cover-Collapse Sinkholes** occur in the soil or other loose material overlying soluble bedrock. Sinkholes that suddenly appear form in two ways. I
 - In the first way, the bedrock roof of a cave becomes too thin to support the weight of the bedrock and the soil material above it. The cave roof then collapses, forming a bedrock-collapse sinkhole. Bedrock collapse is rare and the least likely way a sinkhole can form, although it is commonly incorrectly assumed to be the way all sinkholes form.
 - The second way sinkholes can form is much more common and much less dramatic. The sinkhole begins to form when a fracture in the limestone bedrock is enlarged by water dissolving the limestone. As the bedrock is dissolved and carried away underground, the soil gently slumps or erodes into the developing sinkhole. Once the underlying conduits become large enough, insoluble soil and rock particles are carried away too.
 - Cover-collapse sinkholes can vary in size from 1 or 2 feet deep and wide, to tens of feet deep and wide. The thickness and cohesiveness of the soil cover determine the size of a cover-collapse sinkhole.
2. **Solution sinkholes** result from increased groundwater flow into higher porosity zones within the rock, typically through fractures or joints within the rock. An increase of slightly acidic surface water into the subsurface continues the slow dissolution of the rock matrix, resulting in slow subsidence as surface materials fill the voids.
3. **Raveling sinkholes** form when a thick overburden of sediment over a deep cavern caves into the void and pipes upward toward the surface. As the overlying material or "plug" erodes into the cavern, the void migrates upward until the cover can no longer be supported and then subsidence begins.

Sinkhole Flooding

Sinkhole flooding is a naturally occurring event that usually follows the same storms that cause riverine flooding, so it is often not recognized as Karst-related. Flood events will differ not only because of the amount of precipitation, but also because the drainage capacity of individual sinkholes can change, sometimes very suddenly, as the Karst landscape evolves. Sinkholes can also flood when their outlets are clogged, preventing water from being carried away as fast as it flows in. Trash thrown into a sinkhole can clog its throat, as can soil eroded from fields and construction sites, or a natural rock fall near the sinkhole's opening. Sometimes the conduit itself is too narrow because it has recently (in the geologic sense) captured a larger drainage basin. The reach of a conduit downstream from constriction could carry a higher flow than it is receiving were it not for this restriction.



Sinkholes flood more easily around development (roofs, parking lots, highways), which increases both the total runoff and the rapidity of runoff from a storm. Another reason that sinkholes flood is back-flooding, the outcome when the discharge capacity of the entire Karst conduit network is exceeded. Some up-gradient sinkholes that drain normally during the short, modest accumulation of storms may actually become springs that discharge water during prolonged rainfall.

Land Surface Indicators of Sinkhole Collapse

- Circular and linear cracks in soil, asphalt, and concrete paving and floors
- Depressions in soil or pavement that commonly result in ponds of water
- Slumping, sagging, or tilting of trees, roads, rails, fences, pipes, poles, sign boards, and other vertical or horizontal structures
- Downward movement of small-diameter vertical or horizontal structures
- Fractures in foundations and walls, often accompanied by jammed doors and windows
- Small conical holes that appear in the ground over a relatively short period of time
- Sudden muddying of water in a well that has been producing clear water
- Sudden draining of a pond or creek



2.11.1 Karst/Sinkhole Profile

Karst: Profile Risk Table	
Period of occurrence:	Anytime
Kentucky Number of events: (Unknown)	101,632 Identified Sinkholes*
Kentucky Probability of events:	Unknown due to lack of start dates*
Kentucky Past Damages	Unknown*
Fayette County Number of events:	717**
Fayette County Probability of events:	Unknown**
Fayette County Past Damages	Estimate at least \$15,000 annually**
UK Incidents:	5
UK Damages Claimed:	0
Warning time:	None to weeks or months, according to monitoring or maintenance
Potential impact:	Economic losses such as decreased land values and Agro-business losses. May cause minimal to severe property damage and destruction. May cause geological movement, causing infrastructure damages.
Potential of injury or death:	Injury and slight chance of death
Potential duration of facility shutdown:	Days to Months
Extent:	60 foot long, 45 foot wide, and 30 foot deep

*Source: Commonwealth of Kentucky Enhanced Hazard Mitigation Plan

**Source: LFUCG Hazard Mitigation Plan

Karst landscapes and aquifers form when water dissolves limestone, gypsum, and other rocks. The surface expression of Karst includes sinkholes, sinking streams and springs. Karst hazards include: sinkhole flooding, sudden cover collapse, leakage around dams, and collapse of lagoons resulting in waste spills and radon infiltration into homes. Sinkholes are among the most common problems of living in a karst area.

Kentucky is one of the most famous karst areas in the world. Much of the state's beautiful scenery, particularly the horse farms of the Inner Bluegrass, is the result of development of karst landscape. The karst topography of Kentucky is mostly on limestone, but also some dolostone. The areas where those rocks are near the surface closely approximate where karst topography will form. The bedrock is millions of years old, and the karst terrain formed on them is hundreds of thousands of



years old. In humid climates such as Kentucky's, it may be assumed that all limestone has karst development, although that development may not be visible at the surface.

The outcrop area of the limestone bedrock in Kentucky has been used to estimate the percentage of karst terrain or topography in the state. About 55 percent of Kentucky is underlain by rocks that could develop karst terrain, given enough time. About 38 percent of the state has at least some karst development recognizable on topographic maps, and 25 percent of the state is known to have well-developed karst features. Some Kentucky cities located on karst include (in the Inner Bluegrass) Frankfort, Louisville, Lexington, Lawrenceburg, Georgetown, Winchester, Paris, Versailles, and Nicholasville; (in the Western Pennyroyal) the communities of Fort Knox, Bowling Green, Elizabethtown, Munfordville, Russellville, Hopkinsville, and Princeton; (in the Eastern Pennyroyal) Somerset, Monticello, and Mount Vernon.

Mine Subsidence

In Kentucky, land subsidence is often used interchangeably with mine subsidence, as abandoned subterranean mining operations are the most common cause of subsidence events. For this reason, subsidence is most likely to occur in the Eastern and Western coalfield regions of the state.

Kentucky coal mining has suffered more roof fall accidents and production loss due to roof collapse problems than any other coal-producing state. The geologic factors related to roof collapse commonly include faults, fractures, weak and disturbed roof strata, and rider coals (thin coals separated from the main coal seam, often by a weak shale-ridden zone).

Although the greatest number of abandoned mines runs in a belt through western Pennsylvania, eastern Kentucky, and central West Virginia, data on past occurrences isn't maintained in any single database for the Commonwealth of Kentucky.

Dozens of people of all ages die each year in accidents that occur in and around abandoned mines, with many of these deaths occurring in Kentucky. Victims of such accidents have encountered deadly odorless gasses, fallen down holes that open under their weight, drowned in near-freezing pools of water at the bottom of shafts, and have been buried in unpredictable cave-ins.

Each year Kentucky receives an Annual Abandoned Mine Land (AML) Grant with a three year lifespan that totals approximately \$13.5 - 14 million. With this funding an average of 25 to 35 reclamation projects are performed each year and costs for the projects vary from a few thousand to several million dollars.

That the magnitude of mine subsidence has the potential to be quite severe for Kentucky generally was evidenced in 1984 when Kentucky's legislature passed KRS 304.44-030 that established the Kentucky Mine Subsidence Insurance Fund (KMSIF). The KMSIF applied and still applies to the following 37 counties, located primarily in eastern and western Kentucky:

Table: Kentucky Counties for which Kentucky Mine Subsidence Insurance Fund Applies

Bell	Edmonson	Jackson	Letcher	Perry
Boyd	Elliot	Johnson	Martin	Union
Breathitt	Floyd	Knott	McCreary	Webster
Butler	Greenup	Knox	McLean	Whitley



Carter	Hancock	Laurel	Morgan	Wolfe
Christian	Harlan	Lawrence	Muhlenberg	
Clay	Henderson	Lee	Ohio	
Daviess	Hopkins	Leslie	Owsley	

The University of Kentucky maintains cooperative extension offices and other buildings and facilities in each of the counties covered under KMSIF legislation.

The KMSIF provides insurance coverage for structures located within the abovementioned counties by requiring authorized insurers to endorse the KMSIF in selling their policies to property owners and then acting as a reinsurer to those authorized companies (who have signed a reinsurance contract with KMSIF).

The relevance of the KMSIF's existence and applicability to 37 Kentucky counties within which UK has property and the potential extent of mine subsidence involves the KMSIF's implicit admission that mine subsidence's severity is measured in seconds.

Extent for mine subsidence otherwise is very difficult to determine or to standardize: Mine subsidence occurs for one or all of three reasons:

- 1) An underground mine's roof *suddenly* collapses.
- 2) "Pillars" of coal-seam left in place to support the roof of a mine weaken, soften and *suddenly* crumble and collapse.
- 3) "Pillars" of coal-seam left in place to support the roof of a mine are weighted down by materials aboveground that cause the pillars to *suddenly* crumble and collapse.

The key adverb to all three mechanisms for mine subsidence is "suddenly." How "bad" mine subsidence can get has little systematically to do with how much earth is moved or how deep underground the mine is. Each mine is different; each roof of a mine is different; each purpose of a mine is different; each placement of structure on or around a mine is different. In terms of monetary impact (i.e., the Kentucky Mine Subsidence Insurance Fund), a few inches of roof-break can cause as much damage to properties as more significant measurements of break or slippage. Similarly, whether the subsidence was caused by acre-feet of groundwater depletion (that had previously buoyed the mine roof) or by a few inches of differential subsidence, the impact from the varying extent can be equally as ruinous.

Thus, we have seen in Houston, Texas millions of acre-feet of groundwater subsidence (from an aquifer system transporting water to its residents) lead to land elevation within a 1,720 square-mile area lower by one foot creating a "subsidence bowl" that at one point in time and within seconds lead to the roof of a mine collapse (Cole, Maroney, McCullough, 2004¹). Or we have seen in 2009 in Benld, Illinois, the collapse of one of many abandoned coal mines lead to the town's elementary school sinking to such a degree that – despite its being only seven years old at the time and despite its predecessor having sat for over 80 years in the same spot – the building had to be completely replaced (Blackford,

¹ Cole, Cassandra R.; Maroney, Patrick F.; & McCullough, Kathleen A. (2004). "Managing Subsidence." *Journal of Insurance Issues*, 27 (1), 1-21.



2012²). Or, to link to the extent from Kentucky's and UK's risk from dam failure, we have seen that a coal impoundment (dam) failure in Inez, Kentucky (on October 11, 2000) can release 250 gallons of toxic slurry into an adjacent coal mine leading to its sudden subsidence whose impact was borne not on property but in environmental and human cost (Minemaps, n.d.³).

All this is to say that the extent of mine subsidence is measured in seconds. Due to any number of variables and to any one or combination of secondary causes, an abandoned mine's roof can collapse. Depending on the type and/or value of property, on whether or not the mine was mapped (and, hence, known), on depth or relative shallowness of the mine, on the type of subsidence (i.e., whether sag, pit, or longwall), on history, and/or on any number of factors, within a measure (within the extent) of seconds, impacts from mine subsidence can be costly and severe⁴.

Historical Impact

Kentucky contains one of the world's largest Karst-ridden topographies. Springs and wells in Karst areas supply water to tens of thousands of homes. Much of Kentucky's prime farmland is underlain by Karst, as is a substantial amount of the Daniel Boone National Forest with its important recreational and timber resources.

Caves are also important Karst features, providing recreation and unique ecosystems. Mammoth Cave is the longest surveyed cave in the world, with more than 350 miles of passages. Two other caves in the state stretch more than 30 miles, and nine Kentucky caves are among the 50 longest caves in the U.S.

The most noticeable hazards in Kentucky are sinkhole flooding and cover collapse. Soil collapses are common in karst terrain, where water drains to caves through fissures in the bedrock. Over time, domes of soil form over these fissures and new development increases the drainage into these fissures, forming a sinkhole. Unfortunately, collapses are seldom reported to any central agency. Damage to infrastructure from sinkhole flooding and cover collapse is so common in Kentucky that it is typically dealt with by local authorities as a routine matter.

The University of Kentucky is located in karst terrain and five separate incidents have been reported by Steering Committee members. Including the area around W.T. Young Library which during construction had to have its foundation significantly redesigned as it was built in a sinkhole. Additionally, in the risk assessment, areas of vulnerability have been identified through the use of the Kentucky State Hazard Mitigation Plan which used Kentucky Geological Survey maps and data, during the plan development process.

² Blackford, Nathan. (2012). "A Century Later, Abandoned Coal Mines Pose Serious Risk to Property." *Evansville Courier & Press*, Posted June 2, 2012. Retrieved from <http://www.courierpress.com/news/local/a-century-later-abandoned-coal-mines-pose-serious-risk-to-property--photos-ep-444344530-326223051.html>.

³ Kentucky Mine-Mapping Information System. (n.d.). "History." Retrieved from <http://minemaps.ky.gov/html/History.htm>.

⁴ See also:

- Kentucky Mine Subsidence Insurance Fund (KMSIF). (2010). *Insuring Your Property Against Underground Mine Collapse*. Frankfort, KY: Kentucky Department of Insurance. Retrieved from http://insurance.ky.gov/static_info.aspx?static_id=23&Div_id=15.
- Kentucky Division of Abandoned Mine Lands. (2010). *Abandoned Mine Land (AML) Homeowner and Development Guide*. Frankfort, KY: Kentucky Energy and Environment Cabinet. Retrieved from <http://aml.ky.gov/Pages/AMLDevelopmentGuide.aspx>.
- Turney, J.E. (1985). *Special Publication 26: Subsidence Above Inactive Coal Mines: Information for the Homeowner*. Denver, CO: Colorado Geological Survey and Colorado Mined Land Reclamation, Division Inactive Mine Reclamation Program, Department of Natural Resources. Retrieved from http://inside.mines.edu/fs_home/tboyd/Coal/homeowner/index.html#When.



The highest magnitude and publicized karst/sinkhole collapse events occurred on February 12, 2014 at the National Corvette Museum in Bowling Green. The 60 foot long, 45 foot wide, and 30 foot deep sinkhole swallowed eight classic Corvettes causing \$1 million in damage. With extension offices in each county across the Commonwealth, those that are located in karst areas are susceptible to damage from sinkholes.



2.11.2 Assessing Vulnerability: Karst

Karst Vulnerability Score = Exposure Score + Hazard Score

Assessing the university's vulnerability by building for Karst/Sinkhole was determined through first calculating the Karst/Sinkhole Hazard Score. The Karst/Sinkhole Hazard Score variable used to calculate the overall Hazard Score was a combination of the Occurrence Score and Geographic Extent Score.

The Karst/Sinkhole Occurrence Score was calculated using stakeholder identified events. In cases where the point was placed in an area and not on a building every building in the same 1 KM grid as the point was assigned that point. The occurrence data was calculated for each building and scored 0-1 based on the building with highest occurrence number being 1. The Karst/Sinkhole Occurrence Score was then multiplied by .5 so it accounted for 50% of the overall Karst/Sinkhole Hazard Score.

The Geographic Extent Score variable used for this hazard was captured using the Commonwealth of Kentucky Enhanced Hazard Mitigation Plan, Karst/Sinkhole Hazard Score. The grid score was used to help generalize the area score as many UK facilities outside of Fayette County are not mapped to a precise location and are instead geocoded to their approximate area. By using the Kentucky State Hazard Mitigation Plan Grid Score we were able to provide an area score to the building based on a generalized hazard score provided by the grid data.

The 2013 Kentucky State Hazard Mitigation Plan: The Karst/Sinkhole Hazard Score was calculated by studying two (2) sources of data. Each of the datasets was provided by the Kentucky Geological Survey (KGS). The first layer used to create the Karst/Sinkhole Hazard Score was the KGS developed Minor and Major karst GIS layer. The KGS karst layer displays a geo-referenced data layer that depicts where karst is located. To analyze Kentucky's risk to karst/sinkhole, the karst layer was overlaid onto a map of 1 KM MGRS grids in Kentucky. Next, a calculation was computed based on the percent of the area the karst layer covered within each grid. This percentage of area affected by the mapped karst potential area was then calculated and scored 0-1 to develop 50% of the Karst/Sinkhole Hazard Score.

The next step was determined by calculating the percent area affected by a sinkhole polygon GIS layer provided by KGS. This data displayed where concentrations of sinkhole events have occurred, thus producing areas of risk. The KGS sinkhole layer displays a geo-referenced data layer that depicts where sinkholes have occurred. To analyze Kentucky's risk to karst/sinkhole, the sinkhole layer was overlaid onto a map of 1 KM MGRS grids in Kentucky. Next, a calculation was computed based on the percent of the area the sinkhole layer covered within each grid. This percentage of area affected by the mapped sinkhole areas was then calculated and scored 0-1 to develop 50% of the Karst/Sinkhole Hazard Score.

The Karst/Sinkhole Hazard Score was then calculated by adding the two (2) scores together and scored 0-1.

This data was used as UK's Geographic Extent Score as a base layer and each UK building was overlaid onto a map within GIS to identify which building would be at risk to a Karst/Sinkhole event. To complete the Geographic Extent Score for UK each building's vulnerability was then calculated based on which 1 KM grid they fell within. The Geographic Extent Score was then multiplied by .5 so it accounted for 50% of the overall Karst/Sinkhole Hazard Score. The Geographic Extent Score, Loss Score, and Occurrence Score were then added together to calculate the Karst/Sinkhole Hazard Score.



In order to display the extent and potential magnitude of the hazard on each structure on UK's Main Campus, see the hazard score maps in [Appendix 10](#).

The final step was to add the Hazard Score and the Exposure Score together to compile the Karst/Sinkhole Vulnerability Score (0-1) for each building. Once the final Karst/Sinkhole Vulnerability Scores were calculated the composite scores were displayed on the maps and broken into four categories, using the Natural Breaks classification system (Low, Moderate, High, and Severe) which demonstrates different levels of vulnerability displayed on the map.

The next two pages will display the Karst/Sinkhole Vulnerability Score maps for the Main Campus. See [Appendix 11](#) for the Karst/Sinkhole Vulnerability Score for each building in a tabular format.

To view mine subsidence vulnerability, see [Appendix 14](#).



University of Kentucky North Campus Karst-Sinkhole Vulnerability Score

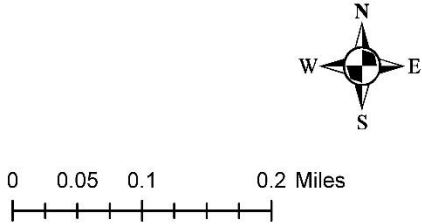


Legend

- Street
- UK Campus Boundary
- Sinkhole

Karst-Sinkhole Vulnerability Score

- Low
- Moderate
- High
- Severe



This map contains information from the following sources: University of Kentucky, Kentucky State Hazard Mitigation Plan, Kentucky Division of Water, Kentucky Geologic Survey, Kentucky Geographic Information Services, LFUCG, The Center for Hazards Research and Policy Development, and The National Weather Service.





University of Kentucky South Campus Karst-Sinkhole Vulnerability Score

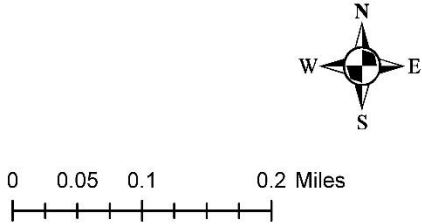


Legend

- Street
- UK Campus Boundary
- Sinkhole

Karst-Sinkhole Vulnerability Score

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This map contains information from the following sources: University of Kentucky, Kentucky State Hazard Mitigation Plan, Kentucky Division of Water, Kentucky Geologic Survey, Kentucky Geographic Information Services, LFUCG, The Center for Hazards Research and Policy Development, and The National Weather Service.





2.12 Landslide Identification

Description

Landslides occur when masses of rock, earth, or debris move down a slope. Landslides may be very small or very large, and can move at slow to very high speeds. Many landslides have been occurring over the same terrain since prehistoric times. They are activated by storms and fires and by human modification of the land. New landslides occur as a result of rainstorms, earthquakes, volcanic eruptions, and various human activities.

Mudflows or debris flows are rivers of rock, earth, and other debris saturated with water. They develop when water rapidly accumulates in the ground, such as during heavy rainfall or rapid snowmelt, changing the earth into a flowing river of mud or "slurry." A slurry can flow rapidly down slopes or through channels, and can strike with little or no warning at avalanche speeds. A slurry can travel several miles from its source, growing in size as it picks up trees, cars, and other materials along the way.

Most of the landslide damage does not occur in rugged mountain country. Most losses from landslides and soil creep occur in cities developed on gently sloping hillsides. Although a landslide may occur almost anywhere, from man-made slopes to natural, pristine ground, most slides often occur in areas that have experienced sliding in the past. All landslides are triggered by similar causes. These can be weaknesses in the rock and soil, earthquake activity, the occurrence of heavy rainfall or snowmelt, or construction activity changing some critical aspect of the geological environment. Landslides that occur following periods of heavy rain or rapid snow melt worsen the accompanying effects of flooding.

Landslides pose a hazard to nearly every state in the country by causing \$2 billion in damages and 25 to 50 deaths a year. There is a concentration of losses in the Appalachian, Rocky Mountain and Pacific Coast regions. It has been estimated that about 40 percent of the U.S. population has been exposed to the direct and indirect effects of landslides.

Public and private economic losses from landslides include not only the direct costs of replacing and repairing damaged facilities, but also the indirect cost associated with lost productivity, disruption of utility and transportation systems, reduced property values, and costs for any litigation. Some indirect costs are difficult to evaluate, thus estimates are usually conservative or simply ignored. If indirect costs were realistically determined, they likely would exceed direct costs.

Much of the economic loss is borne by federal, state, and local agencies responsible for disaster assistance, flood insurance, and highway maintenance and repair. Private costs involve mainly damage to land and infrastructures. A severe landslide can result in financial ruin for the property owners because landslide insurance (except for debris flow coverage) or other means of spreading the costs of damage are unavailable.

Types

- *Slides* of soil or rock involve downward displacement along one of more failure surfaces. The material from the slide may be broken into a number of pieces or remain a single, intact mass. Sliding can be rotational, where movement involves turning about a specific point. Sliding can be translational, where movement is down slope on a path roughly parallel to the failure surface. The most common example of a rotational slide is a slump, which has a strong, backward rotational component and a curved, upwardly-concave failure surface.
- *Flows* are characterized by shear strains distributed throughout the mass of material. They are distinguished from slides by high water content and distribution of velocities resembling that of viscous fluids. Debris flows are common



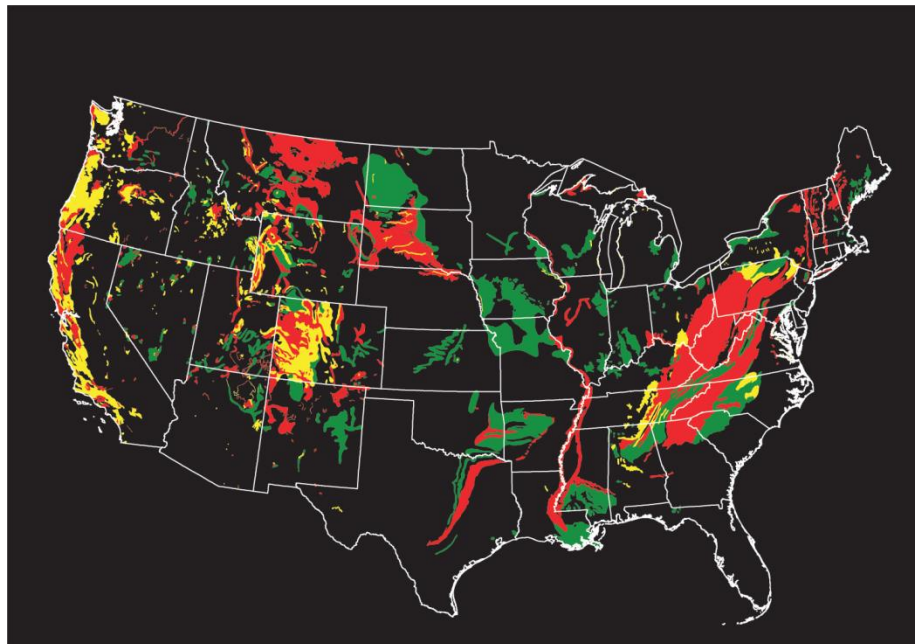
occurrences in much of North America. These flows are a form of rapid movement in which loose soils, rocks, and organic matter, combined with air and water, form slurry that flows downslope. The term “debris avalanche” describes a variety of very rapid to extremely rapid debris flows associated with volcanic hazards. Mudflows are flows of fine-grained materials, such as sand, silt, or clay, with high water content. A subcategory of debris flows, mudflows contains less than 50 percent gravel.

- **Lateral spreads** are characterized by large elements of distributed, lateral displacement of materials. They occur in rock, but the process is not well-documented and the movement rates are very slow. Lateral spreads can occur in fine-grained, sensitive soils such as quick clays, particularly if remolded or disturbed by construction and grading. Loose, granular soils commonly produce lateral spread through liquefaction. Liquefaction can occur spontaneously, presumably because of changes in pore-water pressures, or in response to vibrations such as those produced by strong earthquakes.
- **Falls and Topples.** Falls occur when masses of rock or other material detach from a steep slope or cliff and descend by free fall, rolling, or bouncing. These movements are rapid to extremely rapid and are commonly triggered by earthquakes. Topples consist of forward rotation of rocks or other materials about a pivot point on a hill slope. Toppling may culminate in abrupt falling, sliding, or bouncing, but the movement is tilting without resulting in collapse. Data on rates of movement and control measures for topples is sparse.

Facts

USGS United States Landslide Susceptibility Map

- Steep slopes are more susceptible to landslides and should be avoided when choosing a building site.
- Slope stability decreases as water moves into the soil. Springs, seeps, roof runoff, gutter down spouts, septic systems, and site grading that cause ponding or runoff are sources of water that often contribute to landslides.
- Changing the natural slope by creating a level area where none previously existed adds weight and increases the chance of a landslide.
- Poor site selection for roads and driveways.
- Improper placement of fill material.
- Removal of trees and other vegetation. Plants, especially trees, help remove water and stabilize the soil with their extensive root systems.



Source: U.S. Geological Survey. 2005. <http://pubs.usgs.gov/fs/2005/3156/2005-3156.pdf>



2.12.1 Landslide Profile

Landslide: Profile Risk Table	
Period of occurrence:	At any time. Chance of occurrence increases after heavy rainfall, snow melt, or construction and mining activities.
Kentucky Number of events: (1975-2013)	1,393*
Kentucky Probability of events:	36.66*
Kentucky Past Damages	\$28,365,706*
Fayette County Number of events: (1981-2009)	9**
Fayette County Probability of events:	.32**
Fayette County Past Damages	\$3,125.82**
UK Incidents:	1
UK Damages Claimed:	\$9,353
Warning time:	None to Days or months depends on inspection for weakness in rock and soil.
Potential impact:	Economic losses such as decreased land values, infrastructure damage, and agro-business losses. May cause minimal to severe property damage and destruction.
Potential of injury or death:	Injury and slight chance of death
Potential duration of facility shutdown:	Days to Weeks
Extent:	Level 1 Susceptibility

*Source: Commonwealth of Kentucky Enhanced Hazard Mitigation Plan

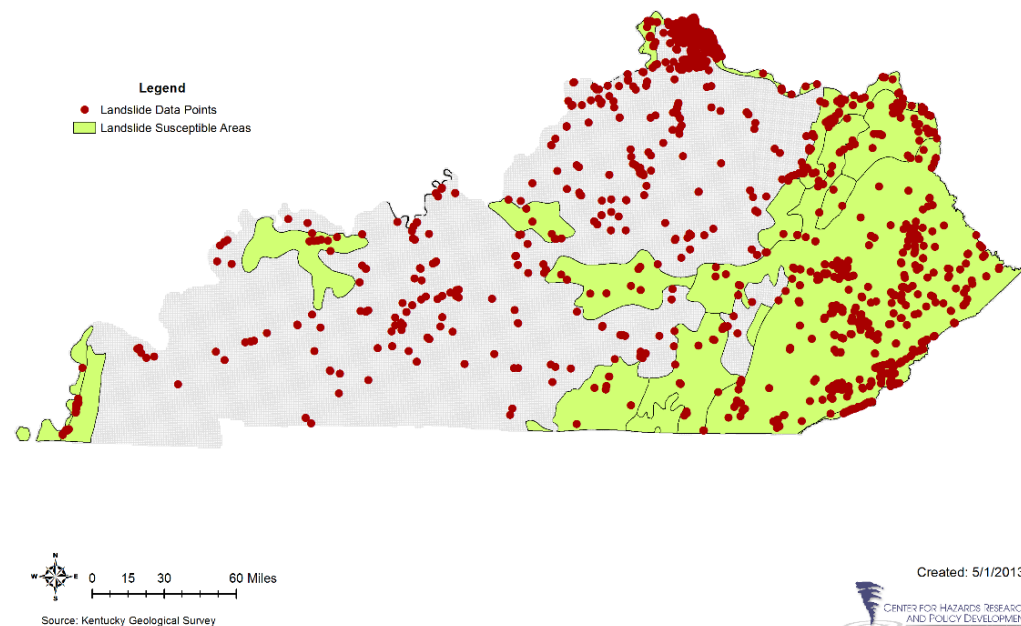
**Source: LFUCG Hazard Mitigation Plan

Kentucky's landslides have occurred in all regions of the state, mostly in the Ohio River Valley, the Knobs, the Outer Bluegrass, and the Eastern Kentucky Coal Field. Since the early 1970's the Kentucky Transportation Cabinet and the Kentucky Transportation Center has received reports of approximately 3,000 landslides. Landslide problems in Kentucky are usually related to certain rock formations on yield soils which are unstable on moderate to steep slopes. Often, slopes are cut into or over-steeped to create additional level land for development. Costs for repair of landslides exceed \$2 million annually. Thousands of slides are unrelated to transportation, however, and many are unreported. These also pose

Landslide-related Presidential Disaster Declarations 2005-2013																	
Disaster Declaration	Incident Period	Individual Assistance Applications*	Amount Disbursed*	Total Public Assistance Grants**	Dam Failure	Drought	Earthquake	Extreme Temp.	Flood	Hailstorm	Karst/Sinkhole	Land/Mine	Landslide	Severe Storm	Severe w/inter	Tornado	Forest Fire
DR-1925	July 17-30, 2010	2,548	\$ 10,602,929	\$ 6,372,211					x				x	x			
DR-1912	May 1, 2010	7,343	\$ 20,784,629	\$ 22,522,805					x				x	x			
DR-1841	May 3-20, 2009	5,543	\$ 15,117,446	\$ 34,825,014					x				x	x		x	
DR-1757	April 3-4, 2008	not requested	not requested	\$ 3,499,938					x				x	x		x	

*Source: KY Division of Emergency Management, Recovery Branch. IA Disaster Summary by County.
**Source: FEMA.gov

KY Landslide Inventory and Susceptibility
Source: Kentucky Geological Survey





According to the Hazard Loss records of UK Risk Management, on May 8-9, 2010 Robinson Forest had hillside slide down bands damaging the back of the building and causing \$9,353 in damages (volume unknown). According to the Kentucky Geological Survey, in 2015 the State experienced record rainfall which has resulted in hundreds of landslides, some of which have been very damaging debris flows that can be thousands of feet long.

Landslide Extent

Regarding extent or magnitude of landslide events, it is generally acknowledged that there is no systematic scale for measurement. This is lamented in scholarly landslide research. However, in at least a couple of instances such lament is accompanied by attempts to initiate landslide magnitude scales: Bahoken, Chiroiu, and Guillande (2002)⁵ for France attempts an intensity/damage scale classifying magnitude within five (5) levels. But, Guillande's scale – with the intent of being "simplified" – excluded relevant landslide characteristics such as direction, sequence, pressure, and, most distressingly, velocity. Ojedo-Moncayo, Locat, Couture, and Leroueil (2005)⁶ essentially use a literature review to muse about possible ways to scale the magnitude of landslides given their most prominent features.

Research, then, generally and specifically in Kentucky and at the University of Kentucky (through the Kentucky Geological Survey housed on its main campus in Lexington, Kentucky) has emphasized identifying past landslides for landslide inventories and in using past data to identify potential future landslides for landslide susceptibility inventories. The research focus on inventories acknowledges the vast heterogeneity and idiosyncrasy in landslide events and in there subsequent statements on magnitude and extent. In other words, the magnitude of a landslide can depend on the magnitude of the event likely triggering it (e.g., earthquakes and rainstorms), on the steepness of the slope down which the land slides, the related size of the landslide, on the frequency of previous landslide events, on the vegetation topping the land that slides, on the type of landslide and its highly variable characteristics, etc.

Rather, for the purposes of hazard mitigation planning, we might want to consider the magnitude or extent of landslides in terms of secondary scales. For example, there have been scales developed for the *size* of landslides. How bad can landslides get? They can be grand: Fell (1994)⁷ devises an oft-cited scale that classifies landslide sizes into seven (7) categories:

Table: Size Classifications for Landslides (Fell, 1994)

Size Class	Description	Volume (m ³)
1	Extremely Small	< 500
2	Very Small	500 – 5,000
3	Small	5,000 – 50,000
4	Medium	50,000 – 250,000
5	Medium-Large	250,000 – 1,000,000
6	Very Large	1,000,000 – 5,000,000
7	Extremely Large	> 5,000,000

⁵ Bahoken, F.; Chiroiu, L.; & Guillande, R. (2002). "Development of a Simplified Landslide Phenomenon Intensity Scale in Five Levels: Methodology Elements and Preliminary Results." Unpublished. In *EGS General Assembly Conference Abstracts*, 27, 2764. Retrieved from <http://adsabs.harvard.edu/abs/2002EGSGA..27.2764B>. (Only the abstract to the paper is available online.)

⁶ Ojedo-Moncayo, J.; Locat, J.; Couture, R.; & Leroueil, S. (2005). "The Magnitude of Landslides: An Overview." In Willy A. Lacerda, Mauricio Ehrlich, Sérgio A.B. Fontoura, & Alberto S.F. Sayão (Eds.), *Landslides: Evaluation and Stabilization, Volume 1*. Boca Raton, FL: Taylor & Francis Group.

⁷ Fell, R. (1994). "Landslide Risk Assessment and Acceptable Risk." *Canadian Geotechnical Journal*, 31, 261-272.



Similarly, Jakob (2005)⁸, in classifying debris flow sizes, revises Fell (1994)'s size classification by truncating the seventh category and simply defining six (6) "classes" of landslide size. (Class 6 is any size over 1,000,000 m³.)

Alternatively, Hurst, Ellis, Royse, Lee, and Freeborough (2013)⁹ define "small" landslides and "the largest" landslides in order to test whether inventories¹⁰ underestimate both "small" and "large" landslide events. Hurst et al. (2013) define the "largest" landslides as $> 10^0$ km² or $> 10^1$ km². Hurst et al. (2013) is especially interesting to cite for extent because the authors explicitly link the size of the landslide to its magnitude. They do this through "power-law scaling," which is an academic way of stating the intuitive point that – up to a cut-off – large landslides are more powerful (of higher magnitude or extent) than small landslides, but that small landslides occur more frequently.

Lateltin, Haemmig, Raetzo, and Bonnard (2005)¹¹ give us another scale by which to consider the extent of landslides in Kentucky and for the University of Kentucky's campus assets throughout: Lateltin et al. (2005) define "hazard levels" for landslides that explicitly are to be used for land-use planning purposes. The "hazard levels" concluded by Lateltin et al. (2005) are:

Table: Lateltin et al. (2005) Hazard Levels

RED	High Hazard	<ul style="list-style-type: none"> ➤ People are at risk of injury both inside and outside of buildings. A rapid destruction of buildings is possible. ➤ Events occurring with a lower intensity, but with a higher probability of occurrence: People are mainly at risk outside of buildings, or buildings can no longer house people.
BLUE	Moderate Hazard	<ul style="list-style-type: none"> ➤ People are at risk of injury outside of buildings. Risk is considerably lower inside of buildings. Damage to buildings should be expected, (but not a rapid destruction) as long as the construction type has been adapted to the present condition.
YELLOW	Low Hazard	<ul style="list-style-type: none"> ➤ People are at low risk of injury. Slight damage to buildings is possible. Damage might occur inside the building, but not at the structure.
YELLOW-WHITE HATCHING	Residual Hazard	<ul style="list-style-type: none"> ➤ Very low probability of a high-intensity event
WHITE	No Danger	

Relevant to this discussion is how Lateltin et al. (2005) comprised their "hazard levels." The five "hazard levels" mentioned above are a function of probability of landslide occurrence and a landslide's "intensity."

"Intensity" is defined as either "low," "medium," or "high" according to characteristics of either of a slide's "kinetic energy"; its "annual velocity" and "displacement"; or its "debris front thickness," "debris flow velocity," and "depth of soil material." The United States Geological Survey (USGS) implicitly considers "intensity" (and, hence, magnitude) in this way through its designation of landslide types: Falls are different than topples that are different than spreads that are different than flows.

⁸ Jakob, M. (2005). "A Size Classification for Debris Flow." *Engineering Geology*, 79, 151-161.

⁹ Hurst, M.D.; Ellis, M.A.; Royse, K.R.; Lee, K.A.; & Freeborough, K. (2013). "Controls on the Magnitude-Frequency Scaling of an Inventory of Secular Landslides." *Earth Surface Dynamics*, 1, 67-78.

¹⁰ Hurst et al. (2013) use the national landslide inventory for Italy (which comprised at the time of the publication around 377,000 landslide events and their kilometeric sizes).

¹¹ Lateltin, O.; Haemmig, C.; Raetzo, H.; & Bonnard, C. (2005). "Landslide Risk Management in Switzerland." *Landslides*, 2, 313-320.



(See Highland and Bobrowsky (2008)¹².) With falls (e.g., rockfalls) and topples, how fast the land is falling is the measure of extent. With slides and spreads, annual creep rate (velocity) and displacement would be more accurate measures of extent. And with debris flows, the thickness of the front of the flow, the velocity of the flow, and the potential for debris flow (i.e., the depth of soil material) would better articulate extent.

Thus, we have the Lateltin et al. (2005) scale of “intensity” that comprises its “hazard levels”:

Table: Landslide “Intensity” as Extent (Lateltin et al., 2005)

Process	Intensity		
	Low	Medium	High
<i>Rock Falls:</i>			
Kinetic Energy	< 30 kJ	30 – 300 kJ	> 300 kJ
<i>Slides:</i>			
Mean Annual Velocity	< 2 cm/year	2 – 10 cm/year	> 0.1 m/day
Displacement	--	--	> 1 m/event
<i>Debris Flow:</i>			
Debris Front Thickness	--	< 1 m	> 1 m
Debris Flow Velocity	--	< 1 m/s	> 1 m/s
Depth of Soil Material	0.5 m	0.5 – 2 m	> 2 m

Finally, we might also consider extent of landslides in terms of susceptibility of the event. And, again, in academic literature, there is at least one scale that can be referenced: Yoshimatsu and Abe (2006)¹³ cite the Analytical Hierarchic Process (AHP) method to identify areas susceptible landslides. Aerial photographs of landslide-prone areas are taken and “layered.” Susceptibility to landslides is a function of the summation of scores assigned to each factor of the micro-topography of the photographed landslide-prone area. The point is that using AHP, the University of Kentucky – with extensions and assets all over the Commonwealth of Kentucky – could argue that the landslide itself is not as bad as landslides could get. Rather, the *potential* of having any form of landslide is as bad as things could get.

Table: AHP Score of Ranking of Susceptibility of Landslides (Yoshimatsu & Abe, 2006)

Susceptibility Level	AHP Score	Percentage to Total Number of Landslides (%)
Level 1 (High)	62 < AHP Score	5%
Level 2 (Slightly High)	38 < AHP Score	25%
Level 3 (Slightly Stable)	24 < AHP Score	30%
Level 4 (Stable)	AHP Score < 24	40%

Such an argument would be justified by acknowledging that there are so many variables¹⁴ dictating the ruinous impacts from landslides that citing some particularly anomalous event or classifying one or two variables determining a landslide

¹² Highland, L.M.; & Bobrowsky, P. (2008). *The Landslide Handbook: A Guide to Understanding Landslides*. Reston, VA: United States Geological Survey Circular 1325, 129 p.

¹³ Yoshimatsu, H.; & Abe, S. (2006). “A Review of Landslide Hazards in Japan and Assessment of Their Susceptibility Using an Analytical Hierarchic Process (AHP) Method.” *Landslides*, 3, 149-158.

¹⁴ A recent article suggesting ways to quantify landslide risk, vulnerability, impact, and extent in 50-plus pages by a multitude of worldwide landslide specialists supports this statement. See:



actually predicts very little about the potential effects from a historically less anomalous or categorically less “extreme” landslide. Large landslides are not necessarily more damaging than small landslides; fast (rock)slides are not necessarily more deleterious than slow slides; etc (Corominas, 2008¹⁵).

Having discussed examples of multiple scales by which to refer the potential magnitude or extent of landslides to UK, UK for this update of its hazard mitigation plan refers to the Yoshimatsu and Abe (2006) scale of landslide susceptibility using the Analytic Hierarchic Process (AHP). While UK analyzed its risk from landslides using a ‘Hazard Score’ comprised of variables that considered both past occurrences and measures of susceptibility (e.g. slopes and soil types), currently planned future research into landslide activity throughout Kentucky (and, thus, for UK’s Kentucky-wide property inventory) focuses on better determining landslide susceptibility. Referencing that the worst that landslides could get for UK’s properties is their maximum susceptibility to a proximate landslide that exceeds an AHP Score of 62 not only allows for the assumption that indeed the worst case for UK would be destruction of UK properties, but also ties worst-case with planned future research into those very potential worst cases. The worst, then, it could get for UK properties is to be near a site with Level 1 susceptibility to a landslide according to the Yoshimatsu and Abe (2006) scale of susceptibility by AHP Score.

2.12.2 Assessing Vulnerability: Landslide

Landslide Vulnerability Score = Exposure Score + Hazard Score

Assessing the university’s vulnerability by building for Landslide was determined through first calculating the Landslide Hazard Score. The Landslide Hazard Score variables used to calculate the Hazard Score was a combination of the Occurrence Score, Loss Score and Geographic Extent Score.

The Landslide Occurrence Score was calculated using insurance claim data along with stakeholder identified events. In cases where the point was placed in an area and not on a building every building in the same 1 KM grid as the point was assigned that point. The occurrence data was calculated for each building and scored 0-1 based on the building with highest occurrence number being 1. The Landslide Occurrence Score was then multiplied by .33 so it accounted for 33% of the overall Landslide Hazard Score.

The Landslide Loss Score was calculated using insurance claim loss data. The claimed loss data was calculated for each building and scored 0-1 based on the building with the highest loss number being 1. The Landslide Loss Score was then multiplied by .33 so it accounted for 33% of the overall Landslide Hazard Score.

The Geographic Extent Score variable used for this Plan was developed using the Commonwealth of Kentucky Enhanced Hazard Mitigation Plan “Landslide Hazard Score”. The grid score was used to help generalize the area score as many UK facilities outside of Fayette County are not mapped to a precise location and are instead geocoded to their approximate area. By using the Kentucky State Hazard Mitigation Plan Grid Score we were able to provide an area score to the building based on a generalized hazard score provided by the grid data.

Corominas, J.; van Westen, C.; Frattini, P.; Cascini, L.; Malet, J.P.; Fotopoulou, S.; Catani, F.; Van Den Eeckhaut, M.; Mavrouli, O.; Agliardi, F.; Pitilakis, K.; Winter, M.G.; Pastor, M.; Ferlisi, S.; Tofani, V.; Hervás, J.; & Smith, J.T. (2014). “Recommendations for the Quantitative Analysis of Landslide Risk.” *Bulletin of Engineering Geology and the Environment*, 73, 209-263.

¹⁵ Corominas, Jordi. (2008). *Quantitative Landslide Hazard Assessment*. Presentation. Retrieved from https://scholar.google.com/scholar?biw=1184&bih=765&bav=on.2.or.r_cp.&bvm=bv.104615367,d.eXY&um=1&ie=UTF-8&lr&q=related:EOvZCa_QxGqjWM:scholar.google.com/
[10_MountainRisks_IntensiveCourse-Barcelona-08_Corominas-QRA-KeyQuestions.pdf.]



The 2013 Kentucky State Hazard Mitigation Plan: The Landslide Hazard Score was calculated by studying two (2) sources of data. The first layer used to create the Landslide Hazard Score was derived from the USGS Landslide Overview GIS map layer. The landslide layer displays a geo-referenced data layer that depicts where landslide susceptibility is located throughout United States. To analyze Kentucky's risk to Landslide, the landslide layer was overlaid onto a map of 1 KM MGRS grids in Kentucky. Next, a calculation was computed based on the percent of the area the landslide layer covered within each grid. This percentage of area affected by the landslide potential areas was then calculated and scored 0-1 to develop 50% of the Landslide Hazard Score.

The next step was determined by calculating the number of landslide points. This point data acquired from KGS, displayed where concentrations of landslides have occurred, thus producing areas of risk. The KGS landslide point layer displays a geo-referenced data layer that depicts where landslides have been identified by KGS through a multitude of methods. To analyze Kentucky's risk to landslide, the KGS landslide point layer was overlaid onto a map of 1 KM MGRS grids in Kentucky. Next, a calculation was computed based the total number of landslides that have occurred within each grid. The total number was then calculated for each grid and scored 0-1 to develop 50% of the Landslide Hazard Score.

The Landslide Hazard Score was then calculated by adding the two (2) scores together and scored 0-1.

Using this data as a base layer each UK building was overlaid onto a map within GIS to identify which buildings are at risk to Landslides. To complete the Geographic Extent Score for UK each building was given the grid score of the grid it is located in. The Geographic Extent Score was then multiplied by .33 so it accounted for 33% of the overall Landslide Hazard Score. The Geographic Extent Score, Loss Score, and Occurrence Score were then added together to calculate the Landslide Hazard Score. In order to display the extent and potential magnitude of the hazard on each structure on UK's Main Campus, see the hazard score maps in [Appendix 10](#).

The final step was to add the Hazard Score and the Exposure Score together to compile the Landslide Vulnerability Score (0-1) for each building. It is important to note that if the Landslide Hazard Score is 0 then the Landslide Vulnerability Score will also be 0. Once the final Landslide Vulnerability Scores were calculated the composite scores were displayed on the maps and broken into four categories, using the Natural Breaks classification system (Low, Moderate, High, and Severe) which demonstrates different levels of vulnerability displayed on the map.

The next two pages will display the Landslide Vulnerability Score maps for the Main Campus. See [Appendix 11](#) for the Landslide Vulnerability Score for each building in a tabular format.



University of Kentucky North Campus Landslide Vulnerability Score





University of Kentucky South Campus Landslide Vulnerability Score



This map contains information from the following sources: University of Kentucky, Kentucky State Hazard Mitigation Plan, Kentucky Division of Water, Kentucky Geologic Survey, Kentucky Geographic Information Services, LFUCG, The Center for Hazards Research and Policy Development, and The National Weather Service.





2.13 Severe Storm Identification

Descriptions

A thunderstorm is formed from a combination of moisture, rapidly rising warm air, and a force capable of lifting air such as a warm and cold front, a sea breeze or a mountain. All thunderstorms contain lightning and may occur singly, in clusters or in lines. Thus, it is possible for several thunderstorms to affect one location in the course of a few hours. Some of the most severe weather occurs when a single thunderstorm affects one location for an extended period time. The NWS considers a thunderstorm as severe if it develops $\frac{3}{4}$ inch hail or 50-knot (58 mph) winds.

Lightning is an electrical discharge that results from the buildup of positive and negative charges within a thunderstorm. When the buildup becomes strong enough, lightning appears as a "bolt". This flash of light usually occurs within the clouds or between the clouds and the ground. A bolt of lightning reaches a temperature approaching 50,000 degrees Fahrenheit in a split second. The rapid heating and cooling of air near the lightning causes thunder.

Additional types of severe storms include *straight line winds*. There are several terms that mean the same as straight-line winds and they are convective wind gusts, outflow and downbursts. Straight-line wind is wind that comes out of a thunderstorm. If these winds meet or exceed 58 miles per hours then the storm is classified as severe by the National Weather Service. These winds are produced by the downward momentum in the downdraft region of a thunderstorm.

Radar observers use the intensity of the radar echo to distinguish between rain showers and thunderstorms. Lightning detection networks routinely track cloud-to-ground flashes, and therefore thunderstorms.

Thunderstorms occur when clouds develop sufficient upward motion and are cold enough to provide the ingredients (ice and super cooled water) to generate and separate electrical charges within the cloud. The cumulonimbus cloud is the perfect lightning and thunder factory, earning its nickname, "thunderhead".

All thunderstorms are dangerous and capable of threatening life and property in localized areas. While thunderstorms and lightning can be found throughout the U. S., they are most likely to occur in the central and southern states.

Thunderstorms can also produce large, damaging hail, which causes nearly \$1 billion in damage to property and crops annually. Thunderstorms are also capable of producing tornadoes, wind, and heavy rain that can lead to flash flooding. hail, floods, and tornado hazards are addressed as individual hazards in this section of the plan.

Types of Thunderstorms

- *Single Cell* (pulse storms). Typically last 20-30 minutes. Pulse storms can produce severe weather elements such as downbursts, hail, some heavy rainfall, and occasionally weak tornadoes. This storm is light to moderately dangerous to the public and moderately to highly dangerous to aviation.
- *Multicell Cluster*. These storms consist of a cluster of storms in varying stages of development. Multicell storms can produce moderate size hail, flash floods, and weak tornadoes. This storm is moderately dangerous to the public and moderately to highly dangerous to aviation.
- *Multicell Line*. Multicell line storms consist of a line of storms with a continuous, well-developed gust front at the leading edge of the line. Also known as squall lines, these storms can produce small to moderate size hail, occasional flash floods, and weak tornadoes. This storm is moderately dangerous to the public and moderately to highly dangerous to aviation.



- *Supercell*. Even though it is the rarest of storm types, the supercell is the most dangerous because of the extreme weather generated. Defined as a thunderstorm with a rotating updraft, these storms can produce strong downbursts, large hail, occasional flash floods, and weak to violent tornadoes. This storm is extremely dangerous to the public and aviation.
- *Straight-line winds*, which in extreme cases have the potential to exceed 100 miles per hour, are responsible for most thunderstorm wind damage. One type of straight-line wind, the downburst, can cause damage equivalent to a strong tornado and can be extremely dangerous to aviation.

Thunderstorm Facts

- The NWS estimates more than 100,000 thunderstorms in the U. S. each year.
- In the last 25 years, severe storms have been involved in over 300 federal disasters.



2.13.1 Severe Storm Profile

Severe Storm: Profile Risk Table	
Period of occurrence:	Spring, Summer, and Fall
Kentucky Number of events: (1960-2013)	21,481*
Kentucky Probability of events:	405.3*
Kentucky Past Damages	\$898,499,257*
Fayette County Number of events:	94**
Fayette County Probability of events:	1.84**
Fayette County Past Damages	\$12,047,737**
UK Incidents:	56
UK Damages Claimed:	\$568,803.33
Warning time:	Minutes to hours
Potential impact:	Utility damage and outages, infrastructure damage (transportation and communication systems), structural damage, fire, damaged or destroyed critical facilities, and hazardous material releases. Impacts human life, health, and public safety.
Potential of injury or death:	Injury and chance of deaths
Potential duration of facility shutdown:	Days to Weeks
Extent:	109 kts. windspeed.

*Source: Commonwealth of Kentucky Enhanced Hazard Mitigation Plan

**Source: LFUCG Hazard Mitigation Plan

Severe storm has been documented as one of the most frequent hazard events to affect UK. According to records, the most damaging event occurred on June 13, 2008 when lightning struck a Greg Page Apartment Building causing a fire that resulted in the destruction of the structure, which was worth \$150,579 at the time.

Between 2010-2015 across the Commonwealth, the largest severe storm event with the highest recorded windspeed of 109 kts. occurred on May 14, 2014. In Christian County, thunderstorms increased in coverage and intensity ahead of a shortwave trough and associated surface low approaching the region from the southwest. Breaks in the clouds allowed sunshine to heat and destabilize the atmosphere. The combination of moderate instability and a moist boundary layer within a corridor of strengthening vertical wind shear supported supercells. A significant tornado occurred in the Hopkinsville area. A slow-moving area of heavy rain in the wake of the strong to severe thunderstorms produced isolated



flash flooding. The roof was blown off a business. Power lines were blown down. This microburst occurred just to the southeast of a tornado that tracked along Highway 107.

The following pages list the 56 insurance claims that have been documented at UK.

Date	Building Number	Total Paid	Description
7/18/2005	178	1363.2	Library Lot lighting struck gate when thunderstorms happened damaging comm. Chips
11/5/2005	86	9624.08	Medical Science Building, wind damage from storm on Saturday night- Truck damaged also
11/15/2005	202	7470	Parking Structure #5- thunderstorms and high winds damaged entry sign on Limestone
11/28/2005	108	2455.56	Robotics #108-high winds ripped off about 30 feet of flashing
1/2/2006	3186	1697.61	Livestock Disease Diagnostic Center, Simplex 4002 System struck by lighting
3/23/2006	7823	50800	Wind Damage @ Princeton for damage to a barn
5/26/2006	202	16708	Parking Structure # 5 lighting and storm hit the storage rm and burnt chips computer board
6/12/2006	9983	6598.8	College of Medicine, Learning Center. Room 101.water damage due to storm
8/14/2006	7771	2200	West Ky Cabin # 60, damaged roof caused by severe storm
12/1/2006	509	498.26	BBSRBMetal box on top of building blew loose during high winds on 12/01/06...PPD has strapped it down until they can repair it properly...
6/27/2007	202	950	Parking Structure # 05- hit by lighting causing damage to the Port Controllers EG & Library Lots....DOL....6/27/07
10/22/2007	3882	7554.85	UK Animal Research Sheep Unit....Versailles, KY....Parts damaged by lighting....
1/10/2008	57	5462	Scientific Equipment damaged by lighting in Fiscal Affairs & Research Admin....
2/6/2008		115748.52	Storm Damage reported by UK PPD in various locations all over campus
2/6/2008	509	4210.52	BBSRB building wind damage reported to under pinning from UKMC PPD from storm 2/4/08
2/8/2008	241	33399.37	Singletary Center of the Arts had storm damage due to storm that occurred on 2/06/08
2/22/2008	283	5396	Athletics.... Baseball field had wind damage to baseball field cover ripping the cover
6/3/2008	10	2912.16	Storm Damage reported by PPD , Hospitality House, tree fell on roof and on vehicle
6/10/2008	572	2448	Parking Structure #7 and E Red Lot struck by lightning, damaging parking equipment



Date	Building Number	Total Paid	Description
6/13/2008	251	150579	Greg Page Apartments.....lighting struck main electrical box and caused extensive damage to building 9 with fire
9/14/2008		60461.33	Wind Damage to various UK properties
12/31/2008	216	6980.41	Research III Store Front window wall wind blew out shattering glass
2/11/2009		69264.65	Various locations hit by Wind damage due to high winds
4/10/2009	3850	4966.83	Lighting struck 520 scale system Rice lake @ College of Ag on Midway Road
6/2/2009	572	309	Parking Structure #7 struck by lightning on 5/25/09...destroy 4 pieces of equipment
6/29/2009	3850	8801.82	Lighting struck 1171 Midway Road scale system @ College of Ag on Midway Road
8/4/2009	108	9603	Robotics Facility had lightning damage to security system
8/4/2009	601	4254.33	Parking Structure #8, Red E Lot & Parking Structure # 5,Lighting strikes damaging equip
6/24/2010	571	2755	Parking & Transportation had DVR and cameras hit by lighting
7/21/2010	199	9319	lighting damaged parking gates PS # 3,6,7& E Red lot
7/21/2010	571	9319	Lightning damaged parking gates PS # 3,6,7& E Red lot
7/21/2010	572	9319	Lightning damaged parking gates PS # 3,6,7& E Red lot
7/21/2010		9319	Lightning damaged parking gates PS # 3,6,7& E Red lot
7/28/2010	45	3121	Lightning damage to WUKY...Exciters.....caused by surges
3/1/2011	625	1000	1105 S. Limestone Real property reported shingles damaged during storm
4/19/2011	202	10541	Severe Thunderstorm with lighting damaged Parking Structure #5
5/10/2011	518	2639.56	Storm damage to Generator building.....
8/3/2011	202	11254	Storm Lighting damage to Parking Structure # 5..... Automatic pay machine
8/13/2011	2	556.31	Scott Street Building... repair shingles and 10 ft Aluminum siding - wind
8/18/2011	91	2480.19	Agriculture A/C until struck by lightning damaging compressor
11/19/2011	8633	7532.84	Good Samaritan Hospital had damage due to storm



Date	Building Number	Total Paid	Description
1/3/2012	284	4002.66	Kentucky Clinic... high winds blew off 6th floor roof and AHU-a exhaust air cover
1/23/2012	202	8730	Parking Structure #5 lighting struck Sirit AV1-REader
7/19/2012	7706	3000	West Ky 4-H Camp Cabin hit by storm damage (Donna Fox)
7/21/2012	215	2824.83	Animal & food Science Lighting Struck cattle feeder causing damage
7/27/2012	3781	25700	Barns damaged by storm at UK's Little Research Center
4/22/2013	212	2841.81	Aquatics pool had control panel go out during electrical storm
5/31/2013	138	22215.07	Phi Sigma Phi, heavy storm damage
6/13/2013	284	10743	LS Disease Diagnostic Ctr high wind damage
4/23/2014	4737	1850	Eden Shale Farm Corn Crib Demolished.... Due to high winds
8/11/2014	202	3510	Parking Structure #5 lighting damaging gate & controller
10/23- 10/24/07	73	26224	Forest Ecology Lab, Room 120 TP Cooper Building...rain damage to roof and electronic equipment
12/24- 12/31/13	3781	3750	Little Research Barn damaged by storm
4/23- 24/2011	509	15075.06	Severe Storms this weekend damage to BBRSB
7/02- 7/03/13	19	14615.2	Roof blown off with high winds @ Memorial Coliseum
8/13/1/11	4747	6642	College of Agr.... Eden Shale Res farm wind damage to fabric cover to hoop shed

Source: University of Kentucky Risk Management

2.13.2 Assessing Vulnerability: Severe Storm

Severe Storm Vulnerability Score = Exposure Score + Hazard Score

Assessing the university's vulnerability by building for Severe Storm was determined through first calculating the Severe Storm Hazard Score. The Severe Storm Hazard Score variables used to calculate the Hazard Score was a combination of the Occurrence Score, Loss Score and Geographic Extent Score.



The Severe Storm Occurrence Score was calculated using insurance claim data along with stakeholder identified events. In cases where the point was placed in an area and not on a building every building in the same 1 KM grid as the point was assigned that point. The occurrence data was calculated for each building and scored 0-1 based on the building with highest occurrence number being 1. The Severe Storm Occurrence Score was then multiplied by .33 so it accounted for 33% of the overall Severe Storm Hazard Score.

The Severe Storm Loss Score was calculated using insurance claim loss data. The claimed loss data was calculated for each building and scored 0-1 based on the building with the highest loss number being 1. The Severe Storm Loss Score was then multiplied by .33 so it accounted for 33% of the overall Severe Storm Hazard Score.

The Geographic Extent Score variable used for this Plan was developed using the Commonwealth of Kentucky Enhanced Hazard Mitigation Plan "Severe Storm Hazard Score". The grid score was used to help generalize the area score as many UK facilities outside of Fayette County are not mapped to a precise location and are instead geocoded to their approximate area. By using the Kentucky State Hazard Mitigation Plan Grid Score we were able to provide an area score to the building based on a generalized hazard score provided by the grid data.

The 2013 Kentucky State Hazard Mitigation Plan: The Severe Storm Hazard Score was calculated by studying two (2) specific sources of data. The two (2) data layers used to create the Severe Storm Hazard Score were collected from the National Weather Service SVRGIS wind point (1955-2012) and wind swath (2006-2012) GIS data layers. This GIS point data was combined to create the baseline for the Severe Storm Hazard Score.

For analyzing this data CHR used a 25 mile radius to calculate each 1 KM MGRS grids geographic risk from a severe storm event. The 25-mile radius was selected because that is the distance that the National Weather Service uses when producing severe weather alerts and probability maps. Basically, the 25 mile radius reduces the white noise and randomness present in atmospheric event data, which enables a meaningful picture of the risk to each grid, built based on historic rates of occurrence in the area. These 25 mile radiuses create map layers that were used as the base map layer for Severe Storm Hazard Score.

To analyze Kentucky's risk to Severe Storm, the county 25 mile radius Severe Storm layer was overlaid onto a map of 1 KM MGRS grids in Kentucky. Next, a calculation was computed based on the total number of severe storm events that occurred within a 25 mile radius of each grid. Each grid was then calculated and scored 0-1 to develop the Severe Storm Hazard Score.

Using this data as a base layer each UK building was overlaid onto a map within GIS to identify which buildings are at risk to Severe Storms. To complete the Geographic Extent Score for UK each building was given the grid score of the grid it is located in. The Geographic Extent Score was then multiplied by .33 so it accounted for 33% of the overall Severe Storm Hazard Score. The Geographic Extent Score, Loss Score, and Occurrence Score were then added together to calculate the Severe Storm Hazard Score. In order to display the extent and potential magnitude of the hazard on each structure on UK's Main Campus, see the hazard score maps in [Appendix 10](#).

The final step was to add the Hazard Score and the Exposure Score together to compile the Severe Storm Vulnerability Score (0-1) for each building. It is important to note that if the Severe Storm Hazard Score is 0 then the Severe Storm Vulnerability Score will also be 0. Once the final Severe Storm Vulnerability Scores were calculated the composite scores were displayed on the maps and broken into four categories, using the Natural Breaks classification system (Low, Moderate, High, and Severe) which demonstrates different levels of vulnerability displayed on the map.



The next two pages will display the Severe Storm Vulnerability Score maps for the Main Campus. See [Appendix 11](#) for the Severe Storm Vulnerability Score for each building in a tabular format.



University of Kentucky North Campus Severe Storm Vulnerability Score

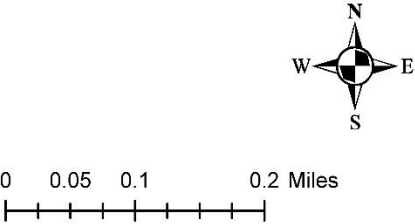


Legend

- UK Campus Boundary
- Street
- Lightning
- Severe Storm

Severe Storm Vulnerability Score

- Low
- Moderate
- High
- Severe



This map contains information from the following sources: University of Kentucky, Kentucky State Hazard Mitigation Plan, Kentucky Division of Water, Kentucky Geologic Survey, Kentucky Geographic Information Services, LFUCG, The Center for Hazards Research and Policy Development, and The National Weather Service.





University of Kentucky South Campus Severe Storm Vulnerability Score

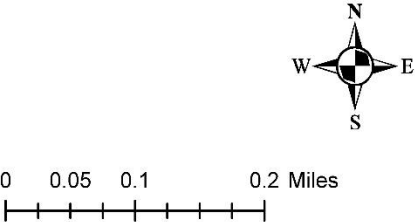


Legend

- UK Campus Boundary
- Street
- Lightning
- Severe Storm

Severe Storm Vulnerability Score

- Low
- Moderate
- High
- Severe



This map contains information from the following sources: University of Kentucky, Kentucky State Hazard Mitigation Plan, Kentucky Division of Water, Kentucky Geologic Survey, Kentucky Geographic Information Services, LFUCG, The Center for Hazards Research and Policy Development, and The National Weather Service.





2.14 Severe Winter Storm Identification

Description

A winter storm can range from moderate snow over a few hours to blizzard conditions with blinding wind-driven snow, sleet and/or ice and extreme cold that lasts several days. A severe winter storm is defined as an event that drops four or more inches of snow during a 12-hour period or six or more inches during a 24-hour span. Severe winter storms are fueled by strong temperature gradients and an active upper-level cold jet stream. Some winter storms may be large enough to affect several states while others may affect only a single community. Most winter storms are accompanied by low temperatures and blowing snow, which can severely reduce visibility.

Snow and ice are threats to most of the U. S. during the northern hemisphere's winter, which begins December and ends in Spring. During the early and late months of the winter season, snow becomes warmer, giving it a greater tendency to melt on contact or stick to the surface. The beginning and end of the winter season also brings a greater chance of freezing rain and sleet.

Types

Blizzards are by far the most dangerous of all winter storms. They are characterized by temperatures below twenty degrees Fahrenheit and winds of at least 35 miles per hour. In addition to the temperatures and winds, a blizzard must have a sufficient amount of falling or blowing snow. The snow must reduce visibility to one-quarter mile or less for at least three hours. With high winds and heavy snow, these storms can punish residents throughout much of the U.S. during the winter months each year. In mid-March of 1993, a major blizzard struck the Eastern U.S., including parts of Kentucky.

Ice storms occur when freezing rain falls from clouds and freezes immediately on impact. Ice storms occur when cold air at the surface is overridden by warm, moist air at higher altitudes. As the warm air advances and is lifted over the cold air, precipitation begins falling as rain at high altitudes then becomes super cooled as it passes through the cold air mass below, and, in turn, freezes upon contact with chilled surfaces at temperatures of 32° F or below. In extreme cases, ice may accumulate several inches thick, though just a thin coating is often enough to do severe damage.

Winter Storm Facts

- Winter storms have been known to occur in the time period between the end of October and the end of March.
- Every state in the continental U.S. and Alaska has been impacted by severe winter storms.
- The super-storm of March 1993 caused over \$2 billion in property damage in twenty states and Washington D.C. At least 79 deaths and 600 injuries were attributed to the storm.

Possible Effects

Freezing rain can result in extensive damage to utility lines and buildings while making any type of travel extremely dangerous. The results are sometimes devastating: entire states can be almost entirely without electricity and communication for several weeks. Winter storms can paralyze a community by shutting down normal day-to-day operations. Heavy snow can also lead to the collapse of weak roofs or unstable structures. Storm effects can cause hazardous conditions and hidden problems, including the following:

- *Power outages* result when snow and ice accumulate on trees causing branches and trunks to break and fall onto power lines. Blackouts vary in size from one street to an entire city. Loss of electric power means loss of heat for some residents, which poses a significant threat to human life, particularly the elderly.



- *Flooding* may occur after precipitation has accumulated and then temperatures rise once again, which melts snow and ice. In turn, as more snow and ice accumulate the threat of flooding increases.
- *Snow and ice accumulation on roadways* can cause severe transportation problems in the form of extremely hazardous roadway conditions.
- *Extreme cold* temperatures may lead to frozen water mains and pipes, damaged car engines, and prolonged exposure to cold resulting in frostbite.

Everyone is potentially at risk during winter storms. In terms of death due to severe winter storms, 70% of the deaths are related to automobile accidents. 25% of those deaths occur when people are caught out in the storm and die from exposure. Of all the deaths related to exposure to cold, 20% occur at home.



2.14.1 Severe Winter Storm Profile

Severe Winter Storm: Profile Risk Table	
Period of occurrence:	Winter Season (November – March)
Kentucky Number of events: (1960-2013)	3,951*
Kentucky Probability of events:	74.55*
Kentucky Past Damages	\$435,706,556*
Fayette County Number of events:	27**
Fayette County Probability of events:	.53**
Fayette County Past Damages	\$4,682,219**
UK Incidents:	5
UK Damages Claimed:	\$2,772
Warning time:	Days for snow Minutes to hours for ice
Potential impact:	Utility damage and outages, infrastructure damage (transportation and communication systems), structural damage, and damaged or destroyed critical facilities Can cause severe transportation problems and make travel extremely dangerous. Power outages, which results in loss of electrical power and potentially loss of heat, and human life. Extreme cold temperatures may lead to frozen water mains and pipes, damaged car engines, and prolonged exposure to cold resulting in frostbite.
Potential of injury or death:	Injury and slight chance of deaths
Potential duration of facility shutdown:	Days
Extent:	Up to 16 inches of snow

*Source: Commonwealth of Kentucky Enhanced Hazard Mitigation Plan

**Source: LFUCG Hazard Mitigation Plan

Kentucky's location makes it vulnerable to heavy snowfall due to the state's proximity to the Gulf of Mexico, which provides a necessary moisture source, yet it is far enough north to be influenced by polar air masses. Low-pressure systems that bring heavy snow to Kentucky usually track eastward across the southern U.S. before turning toward the northeast. Frequently, these systems move up the east coast and have little effect on Kentucky. Sometimes, however, storms turn and move along the western margin of the Appalachian Mountains. With cold air in place over Kentucky, these storms bring moisture from the Gulf of Mexico and can dump heavy snow.



Historical Impact

Lexington has experienced winter storms over the years, which is common to the region due to its geographical location, additionally UK has had 3 insurance claims that have resulted from severe winter storms. The largest claim was for \$58,653.64 and resulted from damages to various locations from the 2009 Ice Storm. Below is a table that lists each insurance claim that UK has made for severe winter storms since 2005

Date	Building Number	Total Paid	Description
2/12/2008	7701	2772	West Ky 4-H camp had a compressor damaged in a walk in freezer due to power surge and loss of power due to ice storm
1/28/2009		58653.64	Various locations hit by Ice Storm.....
3/10/2014		5015.65	UK Research Orchard horticulture, fence broke due to ice , couldn't hold weight of the ice, Princeton, KY

January 6-7, 1996: A major snow storm hit Kentucky with snow affecting all counties before stopping the following afternoon. No damages, fatalities, or injuries were recorded on the NCDC Storm Database, however areas received upwards of 16 inches of snow.

February 15-16, 2003: Light to occasionally moderate freezing rain began on the evening of the 15th, and continued through the evening of the 16th. Reports of ice accumulations of an inch were common along and north of Interstate 64, from Frankfort to Winchester. The hardest hit areas were in and around the cities of Frankfort and Lexington, where up to an inch and a quarter of ice accumulation was observed. A 78 year old male in Lawrenceburg in Anderson County died of injuries sustained when he was struck by a falling, ice covered, tree limb. After the storm, it is estimated that nearly 125,000 residents were without power for up to five days or more. Most of the property damage was reported in the Lexington area. A great deal of the monetary damage was for cleanup and restoration of power in the days after the storm.

January 26-28, 2009: A wintry mix moved into southern Indiana and central Kentucky on the night of Monday, January 26, 2009. Precipitation began as light freezing drizzle and freezing rain over the entire area, but changed to sleet and then snow overnight into the early morning hours of Tuesday across southern Indiana and northern Kentucky. Up to 6 inches of snow accumulated across the northernmost sections of the CWA. Ice over an inch thick was reported in many locations from the freezing rain. Tuesday night freezing rain and sleet continued over southern Indiana, freezing rain transitioned to rain over northern Kentucky, and rain, occasionally heavy, continued over southern Kentucky. Minor...mainly river flooding developed in some spots by Wednesday from the steady rain. On the morning of Wednesday, January 28, precipitation changed over to snow from northwest to southeast across the area. About 3 to 4 inches of additional snow accumulation piled up in the north, with less to the south.



2.14.2 Assessing Vulnerability: Severe Winter Storm

Severe Winter Storm Vulnerability Score = Exposure Score + Hazard Score

Assessing the university's vulnerability by building for Severe Winter Storm was determined through first calculating the Severe Winter Storm Hazard Score. The Severe Winter Storm Hazard Score variables used to calculate the Hazard Score was a combination of the Occurrence Score, Loss Score and Geographic Extent Score.

The Severe Winter Storm Occurrence Score was calculated using insurance claim data along with stakeholder identified events. In cases where the point was placed in an area and not on a building every building in the same 1 KM grid as the point was assigned that point. The occurrence data was calculated for each building and scored 0-1 based on the building with highest occurrence number being 1. The Severe Winter Storm Occurrence Score was then multiplied by .33 so it accounted for 33% of the overall Severe Winter Storm Hazard Score.

The Severe Winter Storm Loss Score was calculated using insurance claim loss data. The claimed loss data was calculated for each building and scored 0-1 based on the building with the highest loss number being 1. The Severe Winter Storm Loss Score was then multiplied by .33 so it accounted for 33% of the overall Severe Winter Storm Hazard Score.

The Geographic Extent Score variable used for this Plan was developed using the Commonwealth of Kentucky Enhanced Hazard Mitigation Plan "Severe Winter Storm Hazard Score". The grid score was used to help generalize the area score as many UK facilities outside of Fayette County are not mapped to a precise location and are instead geocoded to their approximate area. By using the Kentucky State Hazard Mitigation Plan Grid Score we were able to provide an area score to the building based on a generalized hazard score provided by the grid data.

The 2013 Kentucky State Hazard Mitigation Plan: The Severe Winter Storm Hazard Score was calculated by studying one (1) specific source of data. The data layer used to create the Severe Winter Storm Hazard Score was data collected from the capturing county-level Severe Winter Storm events. In order to use this data for the Severe Winter Storm Hazard Score each county was assigned their maximum number of events and that data was aggregated to each grid within that county. To analyze Kentucky's risk to Severe Winter Storm, the county Severe Winter Storm layer was overlaid onto a map of 1 KM MGRS grids in Kentucky. Next, a calculation was computed based on the percent of the area the Severe Winter Storm layer covered within each grid. This percentage of area affected by the Severe Winter Storm layer was then calculated and scored 0-1 to develop the Severe Winter Storm Hazard Score.

Using this data as a base layer each UK building was overlaid onto a map within GIS to identify which buildings are at risk to Severe Winter Storms. To complete the Geographic Extent Score for UK each building was given the grid score of the grid it is located in. The Geographic Extent Score was then multiplied by .33 so it accounted for 33% of the overall Severe Winter Storm Hazard Score. The Geographic Extent Score, Loss Score, and Occurrence Score were then added together to calculate the Severe Winter Storm Hazard Score. In order to display the extent and potential magnitude of the hazard on each structure on UK's Main Campus, see the hazard score maps in [Appendix 10](#).

The final step was to add the Hazard Score and the Exposure Score together to compile the Severe Winter Storm Vulnerability Score (0-1) for each building. It is important to note that if the Severe Winter Storm Hazard Score is 0 then the Severe Winter Storm Vulnerability Score will also be 0. Once the final Severe Winter Storm Vulnerability Scores were calculated the composite scores were displayed on the maps and broken into four categories, using the Natural Breaks



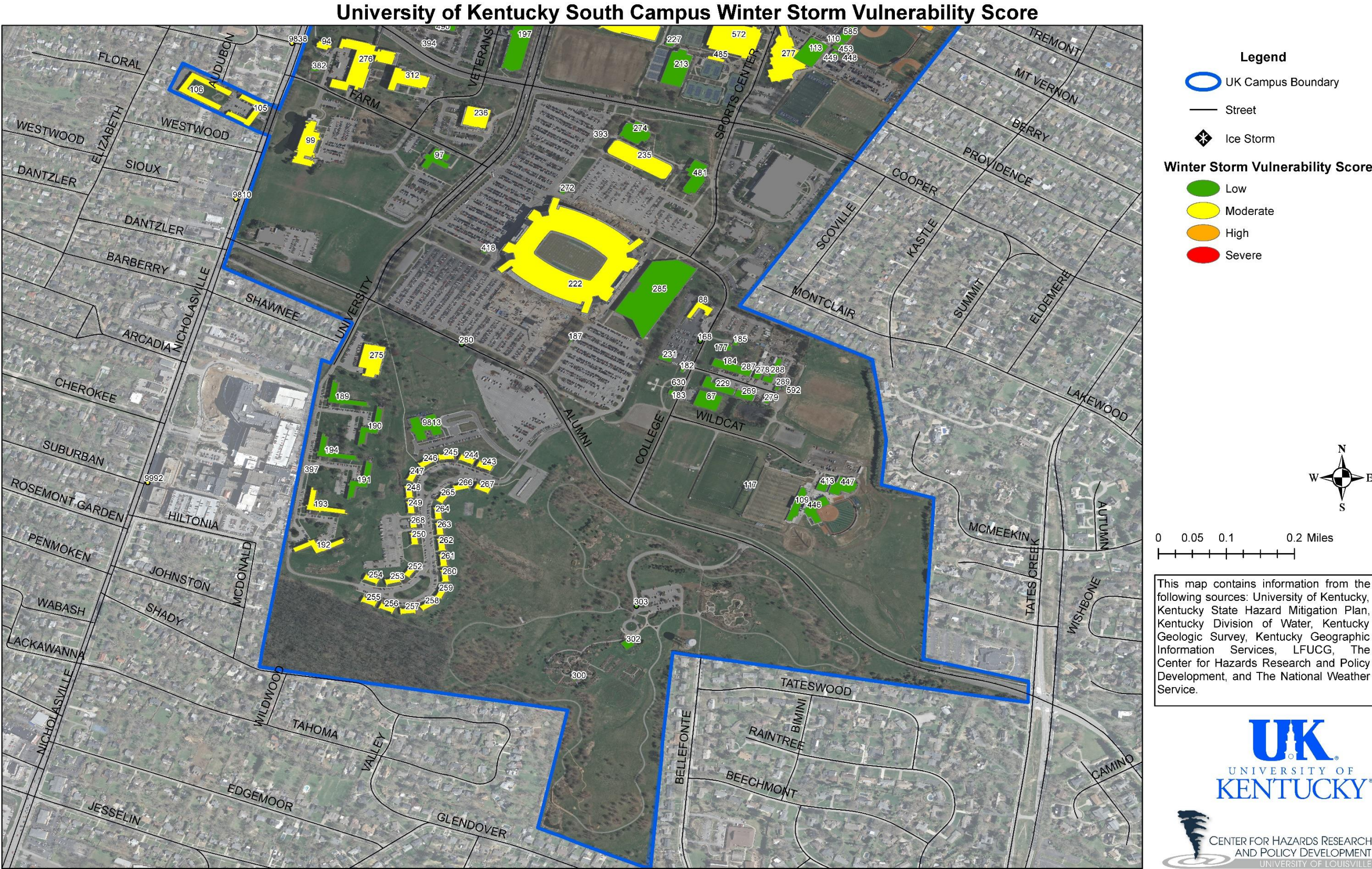
classification system (Low, Moderate, High, and Severe) which demonstrates different levels of vulnerability displayed on the map.

The next two pages will display the Severe Winter Storm Vulnerability Score maps for the Main Campus. See [Appendix 11](#) for the Severe Winter Storm Vulnerability Score for each building in a tabular format.



University of Kentucky North Campus Winter Storm Vulnerability Score







2.15 Tornado Identification

Description

A tornado is a violent windstorm characterized by a twisting, funnel-shaped cloud. It is spawned by a thunderstorm (or sometimes as a result of a hurricane) and produced when cool air overrides a layer of warm air, forcing the warm air to rise rapidly. The damage from a tornado is a result of the high wind velocity (up to 250 mph) and wind-blown debris with paths that can be in excess of one mile wide and fifty miles long. They have been known to blow off roofs of houses, move cars and tractor trailers, and completely demolish homes. Peak months of tornado activity for Kentucky and south central Indiana are usually April, May and June. However, tornadoes have occurred in every month and at all times of the year. They tend to occur in the afternoons and evenings; over 80 percent of all tornadoes strike between noon and midnight.

Types

The magnitude of a tornado is categorized by its damage pattern (i.e. path) and its wind velocity, according to the Fujita-Pearson Tornado Measurement Scale. This scale is the only widely used rating method. Its aim is to validate classification by relating the degree of damage to the intensity of the wind.

Facts

- World-wide, about 1,000 tornadoes are generated by severe thunderstorms each year.
- Earthquake-induced fires and forest fires may also produce tornadoes.
- A tornado can move as fast as 125 mph with internal winds speeds exceeding 300 mph.
- Powerful tornadoes have lifted and moved objects weighing more than 300 tons a distance of thirty feet and have tossed homes greater than 300 feet away from their foundations.
- During an outbreak from May 4-10 of 2003, 334 tornadoes were recorded.
- In the entire month of May 2003, 559 tornadoes were reported.
- On April 3, 1974, 148 tornadoes in 13 states killed 315 people.
- The path of a tornado can be many miles long, but tornadoes rarely last longer than 30 minutes.

The Fujita-Pearson Tornado Measurement Scale		
Fujita Scale	Estimated Wind Speed (mph)	Typical Damage
F0	< 73	Light Damage - Some damage to chimneys; branches broken off trees; shallow-rooted trees pushed over; signboards damaged.
F1	73 - 112	Moderate Damage - Peels surface off roofs; mobile homes pushed off foundations or overturned; moving autos blown off roads.
F2	113 - 157	Considerable Damage - Roofs torn off frame houses; mobile homes demolished; boxcars overturned; large trees snapped or uprooted; light object missiles generated; cars lifted off ground.
F3	158 - 206	Severe Damage - Roofs and some walls torn off well-constructed houses; trains overturned; most trees in forest uprooted; heavy cars lifted off the ground and thrown.
F4	207 - 260	Devastating Damage - Well-constructed houses leveled; structures with weak foundations blown away some distance; cars thrown and large missiles generated.
F5	261 - 318	Incredible Damage - Strong frame houses leveled off foundations and swept away; automobile-sized missiles fly through the air in excess of 100 meters (109 yards); trees debarked; incredible phenomena will occur.



2.15.1 Tornado Profile

Tornado: Profile Risk Table	
Period of occurrence:	Year-round, however primarily from March - August with May normally experiencing the greatest number of events.
Kentucky Number of events: (1960-2013)	1,136*
Kentucky Probability of events:	21.43*
Kentucky Past Damages	\$1,020,237,467*
Fayette County Number of events:	13**
Fayette County Probability of events:	.27**
Fayette County Past Damages	\$19,874,303**
UK Incidents:	2
UK Damages Claimed:	0
Warning time:	Minutes to hours
Potential impact:	Utility damage and outages, infrastructure damage (transportation and communication systems), structural damage, fire, damaged or destroyed critical facilities, and hazardous material releases. Impacts human life, health, and public safety.
Potential of injury or death:	Injury and risk of multiple deaths
Potential duration of facility shutdown:	Days to weeks
Extent:	EF5

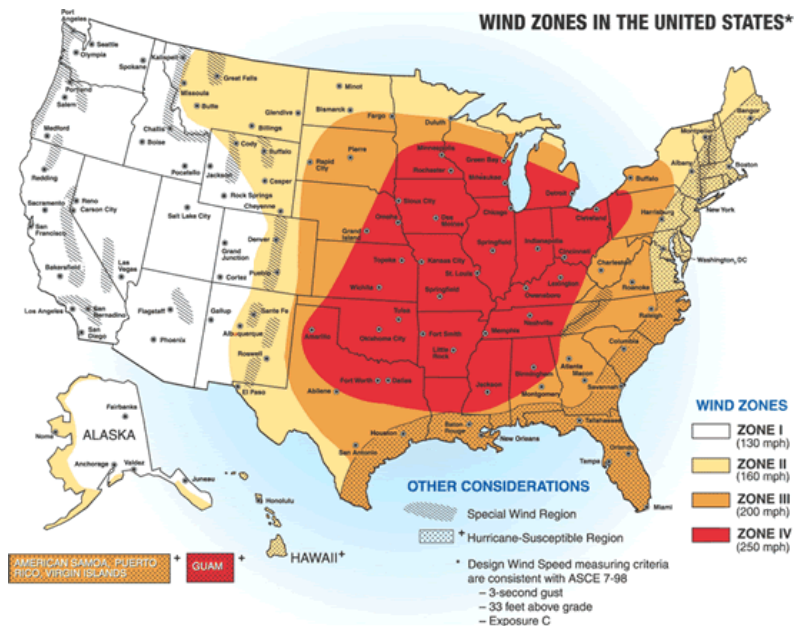
*Source: Commonwealth of Kentucky Enhanced Hazard Mitigation Plan

**Source: LFUCG Hazard Mitigation Plan

Tornado Potential Impact

Most tornadoes occur between March and August, with the month of May normally experiencing the greatest number of tornadoes. The strongest tornadoes, which usually result in the highest number of deaths and greatest destruction of property, occur between April and June. Most deaths occur in April, which is considered the beginning of the tornado season.

Due to the destructive nature of tornadoes and wind, these events impact human life, health, and public safety. Community-wide impacts include: utility damage and outages, infrastructure damage (transportation and communication systems), structural damage, and damaged or destroyed critical facilities. Tornadoes can also cause severe transportation problems and make travel extremely dangerous.

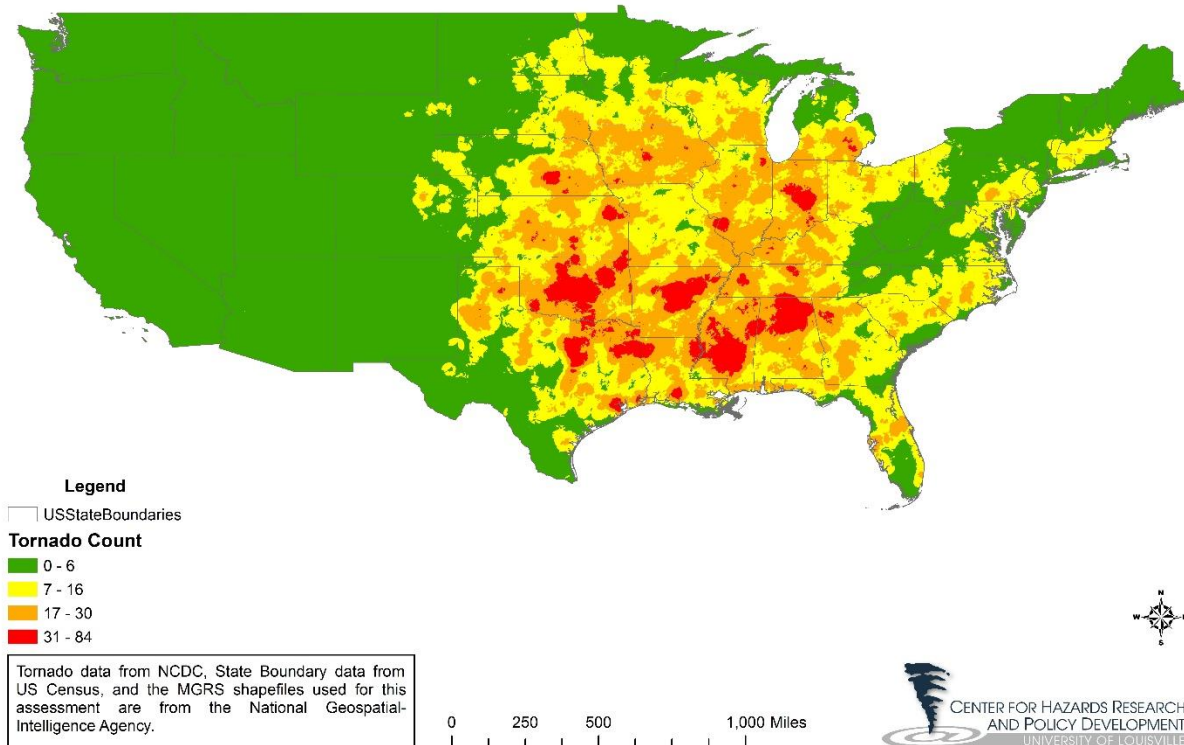


Source: [FEMA Wind Zones](#)

Lexington and most of Kentucky is located in the most severe wind zone (ZONE IV 250 mph) in the country. This signifies that most of the state is highly vulnerable to tornadic weather. Tornadoes are somewhat common throughout Kentucky, as seen in the frequency map below that shows the number of F2 and Stronger tornadoes within 25 miles of each 1 KM grid in the continental US. Tornadoes have occurred in every month of the year. The occurrence of a tornado is highly unpredictable and it is impossible to forecast the exact time and location that it will touch down or the path it will take.



National Tornado Map F2 and Greater Tornado Count



Historical Impact

According to the LFUCG Hazard Mitigation Plan, 13 tornado events have occurred from 1964 to 2013. Two of those events touched down on UK's main campus. The Vulnerability Maps shown below show the tornado paths starting on the western edge of campus at the Wood Glen V Building, using tornado path data derived from the National Weather Service, shows the paths of each tornado (Pink). The stronger and wider tornado path was an F2 tornado that was 300 Ft wide in 1986, the other tornado was an F0 that was 90 Ft wide in 1980. The March 10, 1986 Tornado began on the western edge of UK's Campus and traveled West/North-West crossing New Circle Road is just north of Eastland Ave before coming to an end. Along this path the tornado injured 20 people but fortunately there were no fatalities in this instance.

Across the rest of the Commonwealth, the largest magnitude event occurred in 1974 the outbreak of 20 tornadoes and numerous severe thunderstorms on April 3 caused more deaths, injuries, and property damage across Kentucky than any previous tornado outbreak in recorded history. The tornadoes occurred over central and eastern portions of the State, while severe thunderstorms occurred over the entire State. A total of 75 people were killed, 1264 injured. Total property damage was estimated in excess of \$110,000,000.



2.15.2 Assessing Vulnerability: Tornado

Tornado Vulnerability Score = Exposure Score + Hazard Score

Assessing the university's vulnerability by building for tornado was determined through first calculating the Tornado Hazard Score. The Tornado Hazard Score variable that was used to calculate the overall score was the Geographic Extent Score.

The Geographic Extent Score variable used for this hazard was captured using the Commonwealth of Kentucky Enhanced Hazard Mitigation Plan Tornado Hazard Score. The grid score was used to help generalize the area score as many UK facilities outside of Fayette County are not mapped to a precise location and are instead geocoded to their approximate area. By using the Kentucky State Hazard Mitigation Plan Grid Score we were able to provide an area score to the building based on a generalized hazard score provided by the grid data.

The 2013 Kentucky State Hazard Mitigation Plan: The Tornado Hazard Score was calculated by studying one (1) specific data source. The data layer used to create the Tornado Hazard Score was collected from the National Weather Service SVRGIS tornado path (1950-2012) GIS data layer.

For analyzing this data CHR used a 25 mile radius to calculate each 1 KM MGRS grids geographic risk from a tornado event. The 25-mile radius was selected because that is the distance that the National Weather Service uses when producing severe weather alerts and probability maps. Basically, the 25 mile radius reduces the white noise and randomness present in atmospheric event data, which enables a meaningful picture of the risk to each grid, built based on historic rates of occurrence in the area. These 25 mile radiuses create map layers that were used as the base map layer for Tornado Hazard Score.

To analyze Kentucky's risk to Tornado, the 25 mile radius tornado path layer was overlaid onto a map of 1 KM MGRS grids in Kentucky. Next, a calculation was computed based on the total number of tornado events that occurred within a 25 mile radius of each grid. Each grid was then calculated and scored 0-1 to develop the Tornado Hazard Score.

To complete the UK Tornado Hazard Score each buildings Hazard Score was based on 1KM grid they fell within and were assigned a score based on the Kentucky Hazard Mitigation Plan, Hazard Score data for that grid. In order to display the extent and potential magnitude of the hazard on each structure, see the hazard score maps for the Main Campus in [Appendix 10](#).

The next step was to add the UK Hazard Score and the Exposure Score together to compile the Tornado Vulnerability Score (0-1) for each building. Once the final Tornado Vulnerability Scores were calculated the composite scores were displayed on the maps and broken into four categories, using the Natural Breaks classification system (Low, Moderate, High, and Severe) which demonstrates different levels of vulnerability displayed on the map.

The next two pages will display the Tornado Vulnerability Score maps for the Main Campus. See [Appendix 11](#) for the Tornado Vulnerability Score for each building in a tabular format.

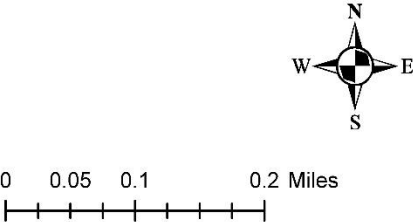


University of Kentucky North Campus Tornado Vulnerability Score





University of Kentucky South Campus Tornado Vulnerability Score



This map contains information from the following sources: University of Kentucky, Kentucky State Hazard Mitigation Plan, Kentucky Division of Water, Kentucky Geologic Survey, Kentucky Geographic Information Services, LFUCG, The Center for Hazards Research and Policy Development, and The National Weather Service.



3. Mitigation Strategy



FEMA's Local Mitigation Plan requirements encourage agencies at all levels, educational institutions, local residents, businesses, and the nonprofit sector to participate in the mitigation planning and implementation process. This broad public participation enables the development of mitigation actions that are supported by stakeholders and reflect the needs of the community.

The UK Mitigation Strategy update is based on marked progress from the 2010 mitigation plan, the results of the 2015 risk assessment and proposes projects and activities to mitigate natural hazards with a five-year action plan. The plan provides a proactive program of activities, projects, and programs that will help university students, faculty, staff, and other stakeholder groups to better mitigate, prepare, respond, and recover from disaster events.

The following Mitigation Strategy provides a comprehensive overview of the following sections:

- Mitigation Goals;
- Mitigation Actions; and
- University Mitigation Capabilities.

3.1 University Mitigation Capabilities

Each university has a unique set of capabilities, including authorities, policies, programs, staff, funding, and other resources available to accomplish mitigation and reduce long-term vulnerability. By reviewing the existing capabilities in each jurisdiction, the planning team can identify capabilities that currently reduce disaster losses or could be used to reduce losses in the future, as well as capabilities that inadvertently increase risks.

Throughout the plan update process, the planning team collected and reviewed information on the university's capabilities to gain a better understanding of relevant programs, regulations, resources, and practices. This review is outlined in the following sections that describe mitigation activities that served as the basis for updating the university's goals and action plan.

Incorporation into Existing Planning Mechanisms

Requirement §201.6(c)(4)(ii): [The plan **shall** include a] process by which local governments incorporate the requirements of the mitigation plan into other planning mechanisms such as comprehensive or capital improvement plans, when appropriate.

Organizations Involved with Mitigation

In order to reorganize the steering committee for the plan update, the planning team invited members from university and other local or regional organizations to participate in the plan development process. Not only are these members involved in the planning process, but they are also responsible for the implementation of relevant action items over the next five years. Below is a brief profile provided of each organization that participates in mitigation for UK:

[American Red Cross – Bluegrass Chapter:](#) The American Red Cross prevents and alleviates human suffering in the face of emergencies by mobilizing the power of volunteers and the generosity of donor. The Bluegrass Chapter serves Bourbon, Clark, Estill, Fayette, Harrison, Jessamine, Nicholas, Power, and Scott Counties. In the Bluegrass Region during the 2013 fiscal year, the American Red Cross assisted 572 families who were victimized by a disaster, provided services to 630 members of the military and their families, and trained nearly 16,000 individuals in lifesaving skills. This Division participated in the plan development process as an external stakeholder. To accomplish future mitigation actions for education, outreach, and disaster support, UK will rely on and reach out to the American Red Cross as needed.

[Analytics & Technologies \(UKAT\):](#) UKAT provides enterprise level services and support including student computing services, SAP support, data center operations, learning systems support and high performance computing operations. The management team of UKAT plays a crucial role in responding to disaster events. This is through ensuring connectivity for communication needs to the campus community. UKAT participated in the plan update process and will serve on the mitigation planning workgroup throughout plan implementation.

ATHLETIC FACILITIES

Student Union Building (South)

Student Union Building (North)

Student Union Building (East)

Student Union Building (West)

Student Union Building (South-East)

Student Union Building (North-East)

Student Union Building (South-West)

Student Union Building (North-West)

Photo Source: <http://www.ukathletics.com/athletic-dept/facilities.html>

Campus Physical Plant Division (PPD): PPD serves students, faculty, and staff by maintaining the campus buildings and grounds. UK's skilled craftspeople, mechanics, and maintenance employees maintain facilities, repair equipment, maintain the beauty of landscaping, clean facilities and provide heating, cooling, and electrical power. The mission of PPD is to provide support services for instructional, research, and public service functions of UK. Support services include maintenance of facilities and grounds, utilities, minor renovations, and other related services. PPD is responsible for the repair of UK facilities as a result of natural hazard events that are covered in this plan. They played a key role in identifying areas of concern for the risk assessment and mitigation actions to pursue over the next five years. PPD will continue to serve as a steering committee member and mitigation planning workgroup member to participate in plan implementation.

College of Agriculture: The College of Agriculture oversees programs occur on the majority of UK's properties including Robinson Forest, 4-H camps, and other research facilities in and around the Commonwealth. Their participation in the plan update process has ensured that mitigation measures are incorporated on these facilities for the next five year. The College of Agriculture will continue to participate in the plan maintenance process for action items designated for these facilities, including the installation of generators at 4-H camps, and scheduling yearly visits by an arborists to assess tree management needs.

Mitigation Strategy

[College of Arts & Sciences](#): The College of Arts & Sciences contains 18 departments with currently more than 5,800 undergraduate and graduate students and 440 faculty. The College Safety Officer participated in the plan update process on the mitigation steering committee and will continue to serve on the mitigation planning workgroup as it oversees plan implementation.

[Columbia Gas](#): Columbia Gas of Kentucky is headquartered in Lexington and is an energy distributor that serves over 130,000 customers in 30 Kentucky counties, including the University of Kentucky. Columbia Gas served on the plan update steering committee and will continue to serve as an external partner when address mitigation actions pertaining to energy needs while managing disasters.

[Conference Housing](#): UK offers Summer Conference Housing for student academic, athletic camps, and adult professional development conferences. Special attention will be made to facilities dedicated to these programming needs to ensure that preparedness and response procedures are communicated to attendees. Conference Housing will continue to be included in the plan maintenance process.

[Division of Laboratory Animal Resources \(DLAR\)](#): DLAR supports the biomedical research community at the University of Kentucky by providing the highest quality veterinary services and humane care and treatment to the animals under care. Through DLAR's participation in the plan update process, UK was able to obtain animal count information for facilities located on and across UK facilities. This was important for identifying hazard vulnerabilities. DLAR will continue to participate in the mitigation planning workgroup on an as needed basis.

[Division of Crisis Management & Preparedness \(CMP\)](#): UK'S Division of Emergency Management was established in August 2004. The office expanded to the Division of Crisis Management and Preparedness in November 2011. The mission of CMP is to coordinate and facilitate effective campus disaster preparedness, mitigation, response and recovery activities to minimize the impacts of emergencies on the campus community, facilities, and environment. With a primary function of mitigation and preparedness plan development, CMP plays a key function to overseeing and implementing the action items included in the 2015-2020 mitigation plan update. CMP staff will coordinate and facilitate mitigation planning workgroup meetings on a bi-annual basis.

[Division of Student Affairs](#): In order to enhance the academic mission, the Division of Student Affairs collaborates with the University and beyond to create a supportive and challenging environment that provides opportunities for student learning, engagement, and success. Through the provision of high quality programs, services, and facilities, the Division promotes student development and lifelong discovery; celebrates differences; and promotes global citizenship. Student Affairs plays a key role with preparedness and response among students. They will continue to participate in the plan maintenance and implementation of mitigation actions relevant to this division.

[Environmental Management Department](#): The Environmental Management Department is responsible for ensuring the safe and timely pick up and management of hazardous waste and various other special waste streams generated at UK by on and off-campus location. This group provides various services regarding compliance with waste management, water and air quality regulations. The department provides opportunities for both live and on-line training programs related to hazardous waste management and DOT/IATA shipping requirements. Additional services provided include responding to spills/releases on a 24-hour basis, conducting site remediation and property audits and serving as the University's primary resource for conducting investigations and abatement for asbestos and lead based paint. Although, this Department deals primarily with man-made hazards, the secondary effects due to natural hazard events is recognized and incorporated into the risk assessment and mitigation strategy for the 2015 plan update. The Environmental Management Department will continue to serve on the mitigation planning workgroup during plan implementation.

Mitigation Strategy

[Executive Vice President for Finance & Administration \(EVPFA\)](#): The core purpose of EVPFA is to support and serve the University and its students, faculty, staff, alumni, fans, and visitors with core values of integrity, service, team, innovation, and accountability. Risk Management is housed within EVPFA, and played another key role for information the mitigation plan update process, including providing insurance claim information to inform the risk assessment, and identifying future mitigation action items for the next five years. EVPFA, specifically Risk Management, will continue to participate in the plan maintenance process as a member of the mitigation planning workgroup.

[Facilities Management](#): Facilities Management houses Campus Physical Plant, Medical Center Physical Plant, Capital Project Management, and Facilities Planning. These groups play a key role to ensuring mitigation measures are taken pre-, during, and post-construction. For this reason, Facilities Management will continue to play a role in the plan maintenance process through participation in the mitigation planning workgroup.

[Good Samaritan Hospital](#): UK Good Samaritan Hospital is an acute-care facility with 302 licensed beds. Founded in 1888, the hospital has a long tradition of providing exceptional patient care in a community-hospital atmosphere. Its acquisition in 2007 by UK Healthcare added the resources of a major health care system. In the past, the hospital has explored and completed mitigation measures and will continue to serve as a member of the mitigation planning workgroup during plan maintenance.

[Human Resources Administration](#): As an active voice in the strategic decisions that guide the University toward achieving its goals, Human Resources will deliver services and support the success of the University and the members of its community. Human Resources can play an important role to communicate with faculty and staff during the time of an emergency and dealing with the after-effects on employee benefits and pay. Human Resources participated in the plan update process and will continue to serve on the mitigation planning workgroup on an as needed basis.

[Institutional Research and Advanced Analytics \(IRAA\)](#): IRAA utilizes state-of-the art methods and technologies to support strategic University decisions. This department analyzes institutional effectiveness, studies past trends, completes various analyses, delivers visualization and dashboards, monitors data quality and releases official institutional data to external stakeholders. For the purpose of the mitigation plan update, the planning team relied on IRAA to provide research content information that informed the risk assessment. IRAA will continue to participate in plan implementation, especially for the protection of research information from damage resulting from a hazard event.

[Kentucky American Water](#): Kentucky American Water, based in Lexington, KY., provides quality, reliable water services to portions of a 10 county region, including the University of Kentucky. As an external stakeholder to the mitigation plan update process, Kentucky American Water provided input and will continue to be a partner in identifying future mitigation actions during the plan implementation.

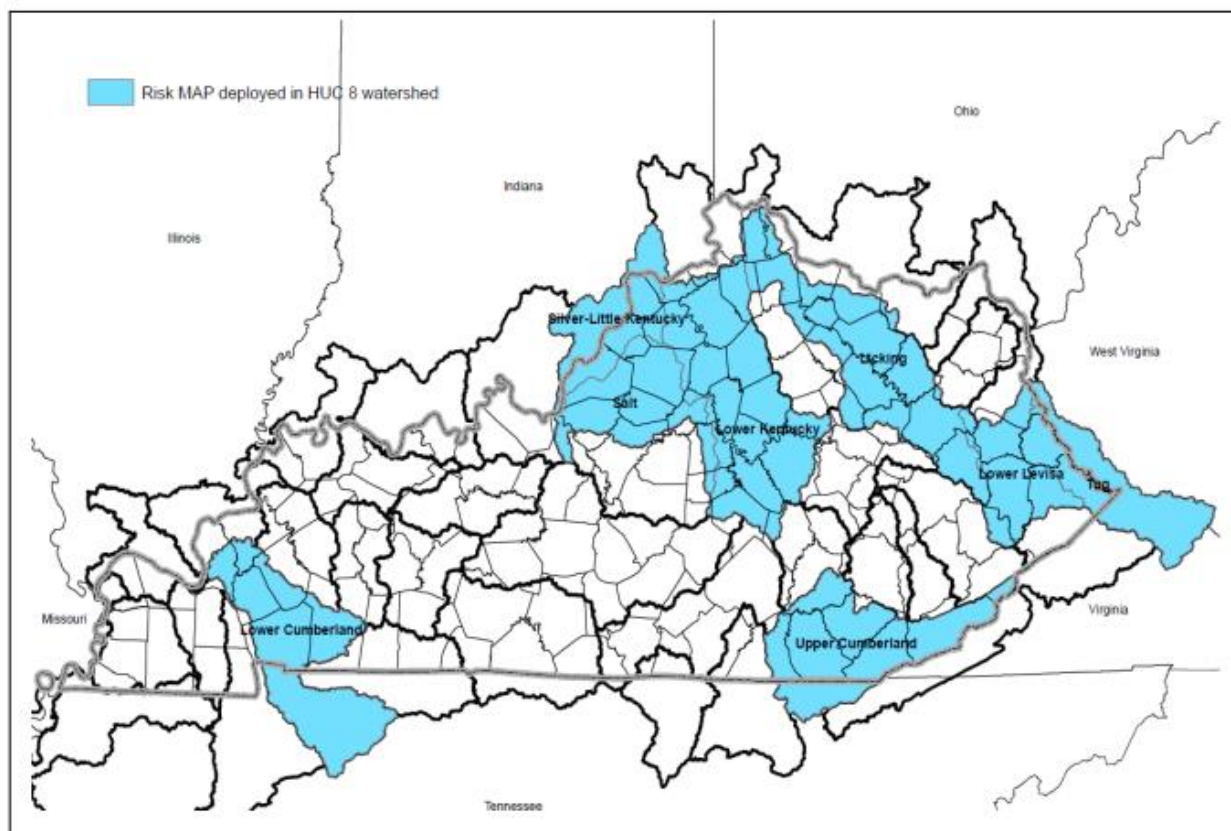
[Kentucky Geological Survey \(KGS\)](#): The mission of KGS is to increase knowledge and understanding of the mineral, energy, and water resources, geologic hazards, and geology of Kentucky for the benefit of the Commonwealth of Kentucky and the nation. KGS plays a critical role to providing geologic datasets and information that informs the risk assessment of the HMP. KGS will continue to serve as a resource during plan implementation for the purpose of analyzing hazard probability, and providing geospatial education and information to the greater University community.

Mitigation Strategy

Kentucky Risk MAP: Kentucky Risk MAP is a collaborative effort



between the Kentucky Division of Water (KDOW) and FEMA intended to better communicate flood risk across a variety of disciplines. The major tenets of Risk MAP include accurate flood hazard identification, identification of areas where major watershed changes have altered flooding characteristics resulting in the need for updated flood studies, integrating the products created through Risk MAP into regional and community hazard mitigation planning, and identifying and advancing mitigation actions that reduce flood risk in communities throughout the Commonwealth. As of the end of fiscal year 2013, Risk MAP has been deployed in eight HUC 8 watersheds, encompassing approximately 55 percent of the state's population (see map below).



This map depicts the areas of Risk MAP deployment.

As seen above, RiskMAP has been deployed in Fayette County.

Map Source: Kentucky Division of Water 2013 Annual Report. <http://water.ky.gov/Documents/AnnualReports/DOW%20Annual%20Report%2010-31.pdf>

Kentucky Utilities Company (KU): KU is an electric utility based in Lexington, Ky. that serves 77 Kentucky counties, including Fayette County. KU served as a key external stakeholder in the plan update process and will remain a partner during plan implementation as UK plans their future utility needs.

Mitigation Strategy

[Lexington Fayette Urban County Government \(LFUCG\) Division of Emergency Management \(DEM\)](#): LFUCG DEM is the emergency management agency that manages Lexington Fayette County. For the purpose of informing the UK plan update, the LFUCG mitigation plan was references and DEM served on the steering committee. In the future, LFUCG DEM will be relied on for support in the completion of mitigation measure during plan implementation.

[Lexington Division Fire & Emergency Services \(LDFES\)](#): The Lexington Division of Fire and Emergency Services handles all types of fires from commercial business fires, to fires in residential occupancies, to natural gas fires, and vehicle fires. In addition, despite the relatively limited amount of rural areas in Fayette County, the LDFES also responds to several wildland-type fires each year. UK relies on the support on the LDFES during fire emergencies and will continue to involve this groups as they plan for emergency response measures.

[LFUCG Planning Services](#): LFUCG Planning Services' mission is to provide a vision and strategy that will allow Lexington to grow and prosper while preserving, protecting, and enhancing existing neighborhoods, downtown, and the rural Bluegrass cultural landscape. LFUCG played a key role in examining flood mitigation approaches and floodplain management as LFUCG has a Floodplain Management Plan. For land use and other building decisions, UK will continue to rely on Planning Services for best practices and guidelines to consider when adoption mitigation measures during plan implementation.

[Martin School for Public Policy & Administration](#): This School houses the Hazard Mitigation Grants Program (HMGP) office that provides support and expertise with FEMA funding, policy review and approval. During the plan update process, CMP relied on this office to help manage FEMA reporting requirements and plan review.

[Mitigation Planning Workgroup](#): The UK Mitigation Planning Workgroup is a newly formed group that will oversee the plan maintenance and implementation over the next five years. This group will meet on a bi-annual basis and as needed.

[Occupational Health & Safety](#): The mission of UK Health & Safety is to provide a safe and healthful campus for employees, students, and visitors to work and study. This requires more than just complying with regulations and guidelines. The programs, audits and activities that OHS staff members engage in are all part of an overall system designed to help prevent injuries and illnesses: anticipation, recognition, evaluation, and control. This department will continue to participate in the mitigation planning workgroup, as natural hazards can lead to secondary hazards such as exposure to hazardous materials and other health and safety issues.

Mitigation Programs and Compliance

The university participates in and produces policies and procedures that target to reduce vulnerabilities to disaster events on its campuses and facilities. Following is a brief description of these policies and procedures that have helped the university become more resilient over the past five years and beyond:

[Building Emergency Action Plan \(BEAP\) Guidance](#): It's the goal of UK to have each building develop a BEAP. The BEAP is developed by each department(s) that occupies a building. The BEAP provides basic direction to all building occupants regarding the needed actions to take during an emergency or crisis. It also identifies building and floor coordinators who take the lead in creating and updating the plan. Additionally, they may assist in enacting required emergency procedures should the need arise. The BEAP also establishes annual exercise schedules used to test the plan.

Types of emergencies covered under a BEAP may include (but are not limited to) the following:

- Fire
- Severe Weather
- Earthquake

Mitigation Strategy

- Utility Outage
- Workplace Violence/Terrorism
- Bomb Threat
- Medical Emergency

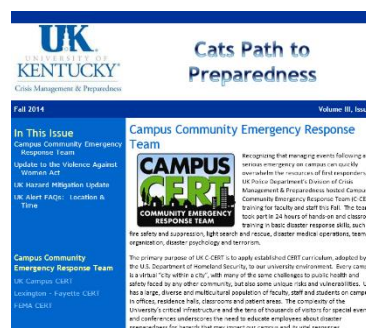
Business Continuity Plan (BCP): As departments pursue academic and research excellence on campus, all UK departments and units are required to complete a BCP to ensure departments are prepared to respond to various types of operational disruptions. For this, a BCP template was created to help plan for major disasters (e.g. total loss of a building) but also lesser interruptions to service (e.g., the computers are down). Completion of the plan gives each department a basic continuity and recovery plan.

Campus Community Emergency Response Team (C-CERT): The UKPD offers C-CERT training for faculty and staff. The primary purpose of C-CERT is to apply established CERT curriculum, adopted by the U.S. Department of Homeland Security, to the University environment. C-CERT members receive hands-on training in basic disaster response skills, such as fire safety and suppression, light search and rescue, disaster medical operations, team organization, disaster psychology and terrorism. Using training learned in the classroom and during exercises, C-CERT members can assist others in the neighborhood or workplace following an event when professional responders are not immediately available to help.

Campus Evacuation Procedures: UK has specific evacuation procedures for building occupants when a fire alarm is activated as all occupants must evacuate the building. These procedures are practices during regular drills.

Cats Path to Preparedness: This newsletter is distributed each semester to the entire campus community to communicate university and personal preparedness measures and to stay up to date with university policies and procedures during emergencies.

Commonwealth of Kentucky Hazard Mitigation Plan (2013): To produce the university plan update, UK relied upon data resources and guidelines set forth in the 2013 Commonwealth of Kentucky Hazard Mitigation Plan. This helps drive the way that analysis is conducted for the risk assessment and policy considerations when adopting new mitigation measures.



Emergency Operations Center (EOC): The primary EOC is currently located in the UK CMP at 520 Oldham Court. In the Fall of 2015, the EOC is due to relocate to "[The 90](#)" a 1,000 seat dining hall that is currently under construction.

Kentucky Life Safety Code: This code requires construction to assure a reasonable degree of safety for human life against the exigencies of fire and panic and insuring against fire loss.

LFUCG Floodplain Ordinance: In January 2001, an amended Floodplain Conservation and Protection Ordinance went into effect regulating development in the floodplain. Under the ordinance, no construction is allowed in the floodplain (unless granted a Local Special Use Permit). In addition, all buildings must be set back 25 feet from the floodplain and two feet above the base flood elevation. The requirements also incorporate best management practices for floodplains. UK refers to the Floodplain Ordinance when major land use decisions are made.



Mitigation Strategy

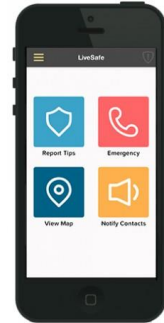
[LFUCG Hazard Mitigation Plan \(2013\)](#): The LFUCG Hazard Mitigation Plan provides the framework for programs and



compliance throughout the county. UK references this policy document when deciding on mitigation measures to pursue. Additionally, this plan provided vital information for the flood mitigation assessment of the UK HMP.

[LFUCG Local Emergency Planning Committee \(LEPC\)](#): UK is an active participant in the LFUCG LEPC and submits its required reports on an annual basis. UK also participates in training and exercises conducted by the LEPC.

[LiveSafe Mobile Application](#): UK adopted a mobile application called LiveSafe that enables direct and discreet two-way communication with the UKPD using text, picture, video, and audio. The app has a simple homescreen that allows users to quickly access information on “Emergency Options” (911 button, UKPD emergency number, and two-way in app messaging with campus police), “Reporting Tips” providing the 12 categories of tip reporting, “SafeWalk” allowing users to assist with each other’s personal safety, “Safety Map” allowing the user to see a map of current location with nearby hospitals and other safety related locations, and “Org Info” with emergency procedures, safe rides, and on and off campus resource locations.



[National Flood Insurance Program \(NFIP\) Compliance](#): UK falls



under the jurisdiction of Lexington Fayette County’s floodplain regulations. LFUCG’s compliance includes the adoption and enforcement of floodplain management requirements, including regulating all new and substantially improved construction in Special Flood Hazard Areas (SFHAs) and floodplain identification and mapping, including any local requests for map updates. The Division of Planning serves as the local repository for the official FEMA Digital Flood Insurance Rate Maps (D-FIRM).

NFIP Compliance

Requirement §201.6(c)(3)(ii)

[The mitigation strategy] must also address the jurisdiction’s participation in the NFIP, and continued compliance with NFIP requirements, as appropriate.

[Official Design Standards](#): Design standards and guidelines regulate construction on the university’s campus including those elements related to natural hazard mitigation such as construction type, backup power generation, and other special considerations.

[Severe Weather Communication and Procedures](#): UK follows severe weather procedures including announcements that are made in the event of severe weather. The procedures involve all aspects of UK, except they are not applicable to employees of the UK HealthCare facilities. UK classes and work schedules are very rarely altered by the impacts of severe weather; however, the Executive Vice President for Finance and Administration and the President will make the final decision in the unlikely event that classes must be canceled or delayed, or when offices must be closed.

[LFUCG Severe Weather Warning Systems](#): LFUCG Division of Emergency Management manages and coordinates the outdoor warning sirens with voice in various parks around Lexington Fayette County. These devices are activated from the 24 hour warning point at Police Headquarters on Main Street. The system is tested monthly with weekly diagnostic tests performed silently. Standard operating procedures are developed and reviewed annually. UK is in the vicinity of sirens located at UK (Wildcat Ct) and Woodland Park (801 E High St).

Mitigation Strategy

[LFUCG Cooperative Technical Partner \(CTP\) Agreement](#): In order to make its flood insurance rate maps more accurate,



LFUCG is participating as a FEMA Cooperating Technical Partner (CTP) with the Kentucky Division of Water. Information will be used to correct errors that have been found on the maps. FEMA will provide technical assistance, funding as available, and will accept the data as official.

[StormReady Campus](#): Since 2003, UK is officially recognized as a StormReady Campus by the NWS. The certification means that UK has successfully met the criteria outlined by the NWS in its nationwide program to enhance community preparedness for severe storms and weather emergencies. With assistance from LFUCG DEM, severe weather safe areas have been identified in every building on campus and flood plans with designated safe rooms are made available for every building on campus. Special weather radios have been installed in the most populated buildings and in residence halls.

Terrorism & Weapons of Mass Destruction: UK emergency response staff has received training for any event that might disrupt normal daily activities, such as terrorism or the use of a weapon of mass destruction. UKPD attend regularly scheduled training sessions and response is incorporated into the Emergency Operations Plan.

[Tornado Weather Spotter Program](#): The National Weather Service sponsors The Weather Spotter program. UKEM and UKPD are trained as Weather Spotters. These trained people are the local eyes for the National Weather Service and help the NWS warn the public of possible severe weather.

[UK Alert Notification System](#): The University of Kentucky utilizes an emergency notification system, UK Alert, to communicate official information during an emergency or crisis situation that disrupts normal campus operations or threatens the health or safety of members of the campus community.



All University of Kentucky students, staff, and faculty are automatically registered in UK Alert with their official university e-mail address. We encourage students, staff, and faculty to add other contact information, such as mobile numbers and personal e-mails, to their UK Alert accounts. Parents, media, visitors, and other interested parties may register for UK Alert on a voluntary self-subscription basis.

Depending on the emergency and the location, an alert may be sent using all of the methods, or a combination of the alert methods.

UK Alert uses the following methods to send immediate notifications:

- Text Messages—sent to phone numbers that have been entered by the individual user.
- Phone Calls—sent to phone numbers that have been entered by the individual user.
- Email—to all uky.edu email addresses.
- Outdoor Sirens—Blue Emergency Notification Towers are strategically placed at 26 locations across campus to provide outdoor alert tones and broadcast emergency messages. These emergency notification towers are illuminated at all times and flash when activated. The messages are pre-recorded and will provide basic information, such as “Dangerous Situation. Seek shelter immediately”. More details, such as the location of the incident, will be provided in the text message, email, and on the VoIP phones.

Mitigation Strategy

[UK CMP Website](#): For all information related to UK CMP, the public can access a website containing information on UK Alert, Emergency Response Guidance, Disaster Preparedness and Planning, Severe Winter Weather, Business Continuity Planning, C-CERT, Hazard Mitigation Plan, and the LiveSafe Safety App.

Mitigation Successes

The university mitigation program activities summarized in this sub-section demonstrates the university's ongoing efforts to mitigate the effects of natural hazards. Since the initial plan approval, the mitigation strategy has been monitored, updated and evaluated as ongoing programs are implemented.

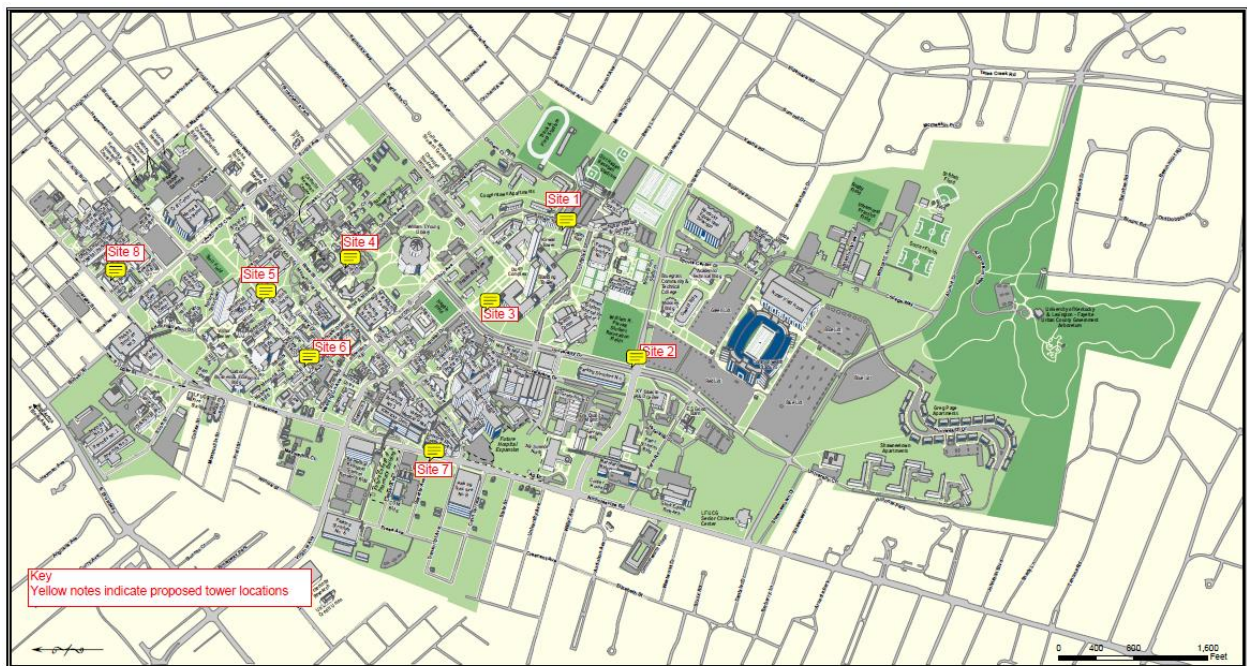
Below are listed those action items and associated projects that were marked as complete from the 2010 Mitigation Strategy:

- ✓ London and Dawson Spring 4-H camps were connected to city sewer.
- ✓ Construction on retention and channel modification projects (Alumni Drive) began in 2012 when \$8 million was awarded for improvements to an existing culvert at Alumni Drive and Nicholasville Road with the creation of retention basins and permeable pavement near Commonwealth Stadium. Project funding has since been increased to \$12 million.
- ✓ NWS approved shelters are identified with new construction and renovation projects. Shelter locations have been included in evacuation plans, when able and are also included in Building Emergency Action Plans (BEAPs).
- ✓ Education on personal preparedness is provided annually during national campus awareness month, staff appreciation day, Agriculture Roundup, Residence Advisor orientation, Women's Forums, and UK partners with the LFUCG Local Emergency Planning Committee raffle off disaster kits. Other education initiatives completed include the creation of a 'Cats Path to Preparedness' newsletter, Lab Safety Day.
- ✓ UK completed a stormwater credit project to obtain an MS4 permit through LFUCG.
- ✓ The university passed standards for lightning protection in buildings that being constructed or existing that have major IT connections.
- ✓ A storm shelter was installed beneath Feltner 4-H Camp, constructed for 375 people. It is two rooms, with men's and women's bathrooms and a small utility area with a sink and storage cabinets. It is climate controlled with electric heat pumps.
- ✓ A new management system was developed for hazard events and procedures established for storm shelter areas.
- ✓ BEAPs are now required of buildings and shall include evacuation plans, shelter locations, and continuity of operations.
- ✓ In December 2014, completed a five year update of the 2009 Stormwater Quality Management Plan.
- ✓ University Design and Construction Standards have been established to include sections on safety and signage.
- ✓ Alternative sources to main power were identified and secured as three separate substations exist for alternative sources of power.
- ✓ A video was produced for the new security systems and 'Safe Walk' for severe winter weather. A promotional video was also produced for the university's safety app.



Mitigation Strategy

- ✓ A retaining wall was constructed at Robinson Forest through FEMA Public Assistance funding.
- ✓ On a regular basis, communication links and roles are exercised on the severe weather plan and using the emergency call book.
- ✓ Resident Advisors and Campus Recreation Staff are trained in fire response and conduct fire drills twice a semester.
- ✓ In 2010, through a Legislative Pre-Disaster Mitigation (L-PDM) grant, the university installed an emergency generator at WUKY and a transfer switch at the main transmission site.
- ✓ Through the same L-PDM grant UKPD installed/replaced 8 emergency notification towers.
- ✓ Communication warning systems were installed including informacast desktop notification, social media boards, an automated website that activates when an alert is sent.
- ✓ Design standards were developed for internal notification through speakers (includes amber and clear strobes).
- ✓ Awareness building of UK Alert is addressed in every newsletter and a bi-annual test is conducted to increase education and awareness. It is also promoted through UK 101, and new employee orientation.



University of Kentucky
Campus Map



REV: 1/10/2008

3.2 Mitigation Goals

As a framework to revise and update the university's mitigation strategy, the planning team and steering committee revisited the 2010 plan goals and made changes and updates through a consensus building process. Information needed for this revision was collected during two steering committee meetings, small group work sessions, individual stakeholder meetings, and multiple email correspondences and phone calls.

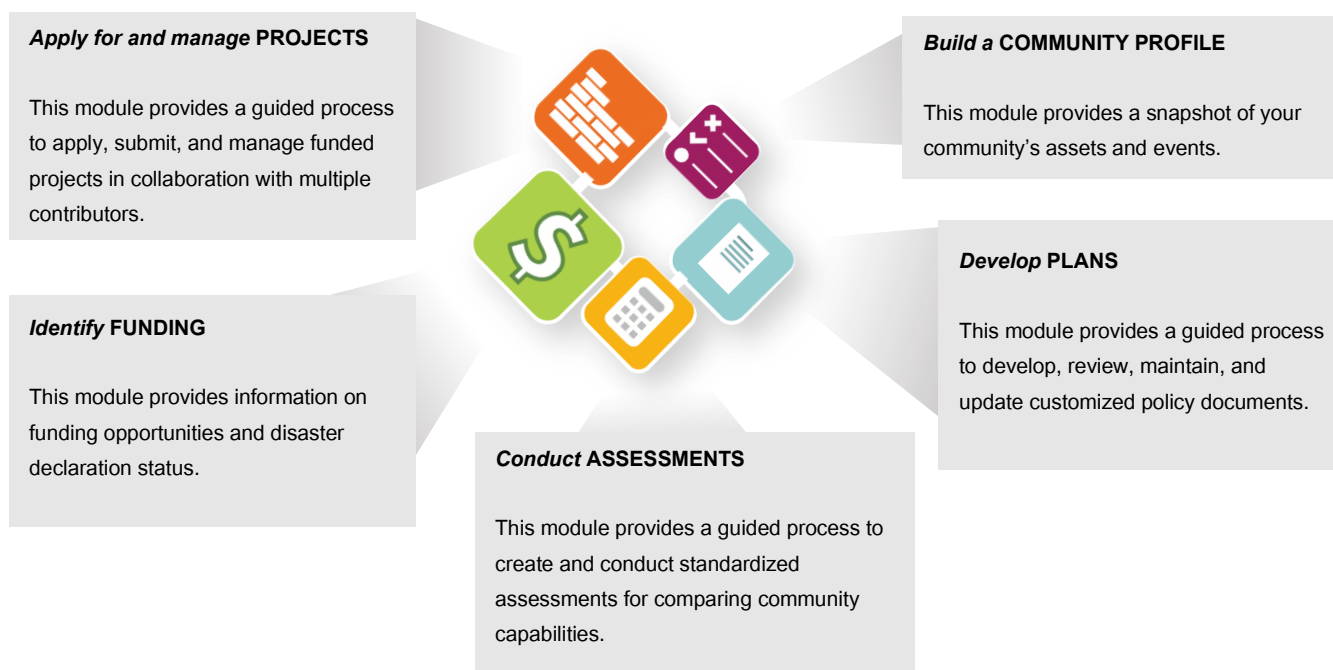
The following reviewed goals were determined by the university to reflect the current and future desired state of mitigation from the years 2015-2020:

GOAL 1	Protect lives and reduce injuries from hazards and threats.
GOAL 2	Protect university property, organizational information, and research from hazards and threats.
GOAL 3	Enhance existing, or develop new University policies and practices that are designed to reduce damaging effects from hazards and threats.
GOAL 4	Build stronger partnerships between government, educational institutions, business, and the community.
GOAL 5	Build disaster preparedness through mitigation education and outreach.

3.3 Mitigation Actions

Mitigation actions are project ideas put forth by plan stakeholders that the university has committed to pursuing over the next five years. The plan includes action items to be implemented and administered, including the university departments responsible for completion, potential funding sources, an implementation timeframe, and preliminary benefit cost prioritization. The Planning Team developed both a 'Five-year Mitigation Action Workbook' in an Excel spreadsheet and will incorporate select action items into a new system for tracking disaster management efforts.

The new method for mitigation plan development and maintenance will be conducted in the recently adopted disaster management system called CHAMPS, the Community Hazard Assessment and Mitigation Planning System. The statewide system improves communication, coordination, and tracking of mitigation efforts. In CHAMPS, communities may build resiliency through use of the following five modules:



While the following mitigation action plan is laid out traditionally in this plan documents, a new dimension is introduced to the action plan. This added dimension allows the UK HMP to become a living document inside CHAMPS, where the 33 action items set forth below are continuously tracked for progress and are managed at multiple levels (local, regional, state).

UK can begin considering the utilization of CHAMPS for the purpose of implementing particular action items in the UK HMP. First, is to think about which action items can be completed in the system. To provide this context, the action plan shown below suggests modules that may apply to certain action items. For additional explanation on how these strategies will be applied, see the Plan Maintenance section of this plan document.

Mitigation Strategy

The updated five year action plan addressed each of the thirteen identified hazards. For action items that are all-encompassing, an 'applicable to all hazards' category was added. To the right is a count of the actions/projects for the hazard categories that were examined in the risk assessment.


A table of 35 mitigation action items are listed below in the Five-Year Action Plan, which was influenced by the results of the risk assessment. Each action item contains information on the preliminary benefit-cost for prioritization, the timeframe planned for completion, applicable hazard categories addressed, the description, responsible agencies, funding considerations, and how to use CHAMPS to accomplish said action item.

Below demonstrates a sample row format of one action item:

Count of Action Items per Hazard Type*

All Hazards Category	21
Severe Storm	7
Tornado	6
Flood	4
Severe Winter Storm	3
Hail	2
Forest Fire	2
Dam Failure	1
Earthquake	1
Karst/Sinkhole	1

*Tally does not add to total action items (35) because each action items may address more than 1 hazard type.

Action	Benefit/ Cost	Timeframe	Hazards Addressed	Description	Offices Responsible	Funding Consideration	CHAMPS Module(s)
1.2.1	Medium	As Needed	Severe Storm Tornado	Evaluate storm protection rooms in existing buildings.	Capital Planning Safety & Compliance	External	 Build assessment






Following is an explanation of each column within the five-year action plan:

Action	Each action item is numbered based on the corresponding goal.
B/C	Color-coded to demonstrate priority based on the benefit-cost results for each action item (see Appendix 12 for an explanation of benefit-cost prioritization)

Low
Medium
High
Very High

Timeframe	Goals for completion are broken down as follows: Annually – To be conducted each year Monthly – To be conducted each month X years to X years – Reads as is As Needed – To be conducted when necessary
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Mitigation Strategy


Hazards Addressed	Lists the hazard type.	
Description	Description of the action or mitigation project.	
Responsible Agency	University departments and other outside organizations responsible for leading, participating, and working to complete this action item.	
Funding Consideration	Many of the projects are grant dependent and as a result will rely on the grant process, approvals and resulting timeline. Many of the projects can be integrated into job descriptions or standard operating procedures.	
	External	Stand-alone project potentially funded by various grant sources
	Internal	General normal operating budget funding from UK
CHAMPS Module(s)	A new element to the action plan. If applicable, this box will show which CHAMPS modules may serve as a resource to accomplishing that particular action item. The modules are as follows:	
	Community Profile	Store community assets and record hazard events.
	Assessments	Conduct assessments through a guided process.
	Plans	Develop plans through a guided process.
	Funding	Access information on funding opportunities.
	Projects	Apply for and manage grants and projects.

To supplement the following Five-Year Action Plan, [FEMA's "Mitigation Ideas: A Resource for Reducing Risk to Natural Hazards"](#) contains other mitigation project ideas for each of the examined hazards. These ideas could be considered upon the progression of UK's Mitigation Program.



1








Protect lives and minimize injuries from hazard events.

Action	Benefit-Cost	Timeframe	Hazards Addressed	Description	Offices Responsible	Funding	CHAMPS Module(s)
1.1	Medium	1-2 years	 Flood	Construct retention and channel modification projects (Alumni Drive).	Facilities Management	Grants Internal External	 Projects <i>Manage Projects</i>
1.2	High	3-5 years	 Applicable to All Identified Hazards	Install Generators at identified university facilities.	CMP Physical Plant Division College of Agriculture	Internal External	 Projects <i>Apply for Funds</i>
1.3	Very High	As Needed	Forest Fire	Conduct fuel break restoration (4-H camps).	College of Agriculture	Internal	-
1.4	Very High	When Needed	Severe Storm Tornado	Identify NWS approved shelters/FEMA safe rooms within new and existing buildings.	CMP EHS	Internal	 Projects <i>Apply for funds</i>
1.5	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	 Projects <i>Apply for funds</i>
1.6	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 Div. of Student Affairs Housing IT	Internal External	 Projects <i>Apply for funds</i>
1.7	High	When Needed	Severe Storm Tornado	Identify areas and pursue safe room construction.	CMP College of Agriculture	Internal External	 Projects <i>Apply for funds</i>
1.8 (new)	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	-



2









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

Action	Benefit-Cost	Timeframe	Hazards Addressed	Description	Offices Responsible	Funding	CHAMPS Module(s)
2.1	High	When Needed	Severe Storm	Install Lightning Protection for campus buildings.	Facilities Management	Internal	 Projects <i>Apply for Funds</i>
2.2	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	 Projects <i>Apply for Funds</i>
2.3	Medium	3-5 years	 Applicable to All Identified Hazards	Identify location and secure funding for new police department.	CMP	Internal External	 Projects <i>Apply for funds</i>
2.4	Medium	3-5 years	 Flood	Construct underground retention for Press Avenue watershed.	Facilities Management	Grants Internal External	 Projects <i>Apply for funds</i>
2.5	Medium	When Needed	 Flood	Develop an Emergency Flood Protection Management system for UK's Good Samaritan Hospital.	Facilities Management	Unidentified	 Plans <i>Develop procedures</i>



3











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

Action	Benefit-Cost	Timeframe	Hazards Addressed	Description	Offices Responsible	Funding	CHAMPS Module(s)
3.1	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 Div. of Student Affairs UKPD Operations	Internal	 Plans <i>Develop procedures</i>
3.2	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	-
3.3	Medium	1-2 years	Forest Fire Hailstorm Severe Storm Severe Winter Storm Tornado	Conduct tree inventory on main campus.	Physical Plant Division	Internal	-
3.4	Very High	When Needed	 Applicable to All Identified Hazards	Complete development of Building Emergency Action Plans for all university buildings.	CMP Institution-wide	Departmental	 Plans <i>Develop procedures</i>
3.5	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	 Plans <i>Develop procedures</i>
3.6	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	-




3

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

Action	Benefit-Cost	Timeframe	Hazards Addressed	Description	Offices Responsible	Funding	CHAMPS Module(s)
3.7	Medium	When Needed	 Applicable to All Identified Hazards	Assess and recommend back-up power generation needs campus-wide.	Facilities Management	External	-
3.8	Medium	Annually	 Applicable to All Identified Hazards	Assess the structural condition of all buildings owned by the University.	Facilities Management	Internal	 Assessments Create forms
3.9	Very High	Annually	 Applicable to All Identified Hazards	Maintain and exercise communication links and roles.	Institution-wide	Internal	 Plans Develop procedures
3.10	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	-
3.11 (new)	Medium	When Needed	 Applicable to All Identified Hazards	Provide support for Business Continuity Plan (BCP) development campus wide.	CMP	Internal	-
3.12 (new)	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	-
3.13 (new)	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	 Projects Apply for funds



Mitigation Strategy



Action	Benefit-Cost	Timeframe	Hazards Addressed	Description	Offices Responsible	Funding	CHAMPS Module(s)
3.14 (new)	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	-
3.15	Medium	2-3 years	 Flood	Conduct a storm water management study - Review Sanitary sewer system.	Facilities Management EHS	Internal	-

4





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

4.1	Very High	When Needed Annually	 Applicable to All Identified Hazards	Maintain Campus CERT Program.	CMP	Internal	-
4.2	Medium	When Needed	 Applicable to All Identified Hazards	Assign a member of UK Steering Committee to external hazard-related working groups.	CMP	Internal	-



5

Build disaster preparedness through mitigation education and outreach.

	Action	Benefit-Cost	Timeframe	Hazards Addressed	Description	Offices Responsible	Funding
5.1	Medium	Bi-annually	 Applicable to All Identified Hazards	Educate on personal preparedness and usage of disaster supply kits.	CMP Housing Div. of Student Affairs	Internal External	-
5.2	Medium	Annually	Earthquake Severe Storm Severe Winter Storm Tornado	Develop and distribute baseline informational materials (print, video, etc.) on shelter recommendations.	Institution-wide	Internal	-
5.3	Medium	Annually	 Applicable to All Identified Hazards	Maintain and update website and marketing materials for hazard mitigation.	CMP	Internal	-
5.4	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	-
5.5	Medium	Quarterly	 Applicable to All Identified Hazards	Build more awareness of UK Alert - Emergency education and awareness.	CMP Provost Public Relations Student Affairs SGA	Internal	-



4. Plan Maintenance

Once a plan update is approved, the university must maintain and amend the plan as needed. A routine method and schedule for maintaining the plan is necessary to ensure continued risk reduction and loss avoidance.

Completing the plan maintenance process will keep the university on track and serve as the basis for the 2020 plan update. The process of monitoring the plan will provide UK the opportunity to document progress in achieving mitigation goals. The planning team agreed that it is imperative to have stakeholder involvement for maintaining the plan to ensure the mitigation strategy is incorporated into university programs and regulations.

4.1 Monitoring, Evaluation, and Updates

Monitoring

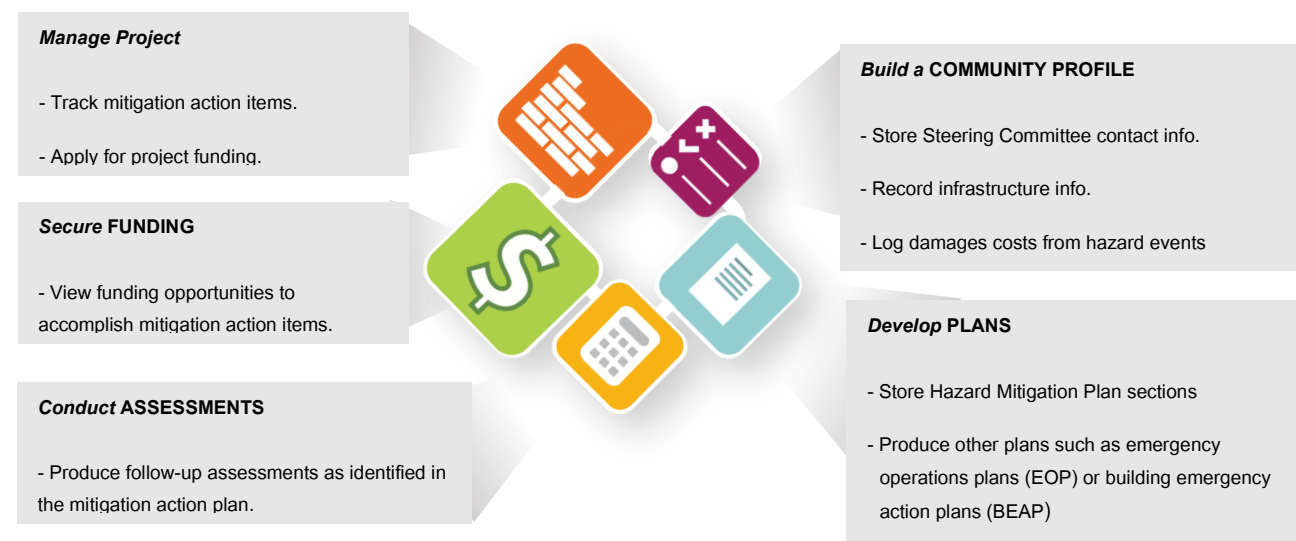
The Division of Crisis Management & Preparedness (CMP) Planning Team will be responsible for ensuring ongoing maintenance of the plan and will rely on the newly established Mitigation Planning Workgroup (MPWG) to provide updates to mitigation action items. The MPWG will meet annually to review disaster management efforts and progress of the mitigation action plan. Member organizations of the MPWG can be found in [Appendix 13](#).

A new disaster management tool may also be used by UK to monitor the plan called the Community Hazard Assessment and Mitigation Planning System (CHAMPS) and is being utilized by the Commonwealth of Kentucky to manage the preliminary application of Hazard Mitigation Grant Program (HMGP) funding. UK may use this online portal to track its action items of its, record damages following an event, and apply for and manage mitigation projects. Below shows the CHAMPS capabilities for plan maintenance.

Plan Maintenance Procedures

Requirement §201.6(c)(4) requires a formal plan maintenance process to ensure that the Mitigation Plan remains an active and relevant document. The plan maintenance process must include a method and schedule for monitoring, evaluating, and updating the plan at least every five years.

This section must also include an explanation of how local governments intend to incorporate their mitigation strategies into any existing planning mechanisms they have, such as comprehensive or capital improvement plans, or zoning and building codes. Lastly, this section requires that there be continued public participation throughout the plan maintenance process.





Through the use of CHAMPS, the Planning Team and the MPWG have the option to monitor the status and progress of the plan elements on an ongoing basis. To capture additional activities that are occurring beyond the scope of the mitigation plan, the MPWG will meet annually to review, and update the five-year action plan. This review is designed to allow responsible agencies the ability to list successes and/or potential issues with implementing responsible action items in accordance with the plan.

Evaluation

Evaluating is to assess the effectiveness of the plan at achieving its stated purpose and goals. In combination with the strategy for monitoring, the Planning Team will take the lead on evaluating the status and progress of the plan elements annually.

As needed, the plan will be evaluated after a disaster that affects the university. The appropriate university administrative entities will also be kept apprised of changes in federal regulations, programs and policies, such as a change in the allocation of HMA grant dollars. These evaluations will be addressed in a progress review that may affect the action plan.

The progress of the five-year action plan will be reviewed by the Planning Team annually. For public notification, annual progress review results will be posted to UK's website.

Updates

UK will be responsible for the five-year update required by DMA 2000.

Post-disaster meeting or emergency meetings will be called into session if needed when Lexington Fayette County receives a Presidentially Declared Disaster Declaration. A post-disaster meeting will ensure opportunities are advanced. In addition, the Planning Team's ability to proactively collect hazard occurrence data will allow for an efficient use of available resources, staff, and programs, upon plan update time.

Because occurrence, building, and project data is ever-changing, the Planning Team will be able to track hazard occurrences, infrastructure information, and track project progress from the five-year action plan. CHAMPS will remain an option for updating the plan in an organizing manner. Changes that will be revised in the plan document itself will be discussed during an annual review of the five-year action plan where revisions and updates to schedules, budgets, and partnerships may be required and reported in the annual progress review.



4.2 Incorporation into Existing Planning Mechanisms

As outlined in the mitigation strategy, the five-year action plan utilizes planning mechanisms to outline how projects will be addressed to incorporate mitigation activities. The Mitigation Planning Workgroup and steering committee is composed of representation within and outside of the university that are implementing the majority of the plan's recommendations and ensuring projects will be implemented through existing or ongoing programs. The five-year action plan projects and activities also address reducing the effects of hazards on new and existing buildings and infrastructure at UK's locations.

During the review, updating, and standard enforcement of the existing university authorities and programs, mitigation actions listed in this plan will be incorporated, implemented, and enforced.

Incorporate the HMP into Existing Planning

Requirement §201.6(c)(4)(ii): [The plan shall include a] process by which local governments incorporate the requirements of the mitigation plan into other planning mechanisms such as comprehensive or capital improvement plans, when appropriate.

4.3 Continued Public Involvement

CMP and the MPWG are dedicated to continuing public involvement in the plan and the mitigation actions that will be implemented. This plan has been created with significant input with representation across and beyond the university and the main goal is to provide opportunities on a regular basis to facilitate continued community involvement.

During the annual review process, UK will engage the public and give the chance to provide feedback. The annual MPWG meeting will be advertised through UK's CMP website, the UK NOW daily email, and Cats Path to Preparedness newsletter.

Continued Public Involvement

Requirement §201.6(c)(4)(iii): [The plan maintenance process shall include a] discussion on how the community will continue public participation in the plan maintenance process.

In addition to public involvement for the annual progress review process, UK will continually inform and reach out to the public through social media and by participating in university events to share the message of mitigation. Outreach strategies implemented during the current plan update process will continue to be utilized, with CMP as the lead responsible department.

Appendices

Appendix 1 Acroynms

44 CFR	44 Code of Federal Regulations
ADD	Area Development District
AICP	American Institute of Certified Planners
BCP	Business Continuity Plan
BEAP	Building Emergency Action Plan
C-CERT	Campus Community Emergency Response Team
CHAMPS	Community Hazard Assessment and Mitigation Planning System
CHR	Center for Hazards Research and Policy Development
CMP	Division of Crisis Management & Preparedness
CPM	Capital Project Management
CRS	Community Rating System
CTP	Cooperative Technical Partner
DEM	Division of Emergency Management
DFIRM	Digital Flood Insurance Rate Map
DLAR	Division of Laboratory Animal Resources (DLAR)
DMA 2000	Disaster Mitigation Action of 2000
DOT	Department of Transportation
EBARS	Electronic Barcoded Assets Resource System
EF	Enhanced Fujita
EHE	Excessive Heat Event
EM	Emergency Management
EOC	Emergency Operations Center
EOP	Emergency Operations Plan
EPA	Environmental Protection Agency
EVPFA	Executive Vice President for Finance & Administration
FEMA	Federal Emergency Management Agency
FMA	Flood Mitigation Assistance
FMP	Floodplain Management Plan
GIS	Geographic Information Systems
HAZMAT	Hazardous Materials
HMA	Hazard Mitigation Assistance
HMGP	Hazard Mitigation Grant Program
HMP	Hazard Mitigation Plan
IATA	International Air Transport Association
IRAA	Institutional Research and Advanced Analytics
IT	Information Technology

KDF	Kentucky Division of Forestry
KDOW	Kentucky Division of Water
KGS	Kentucky Geological Survey
KRS	Kentucky Revised Statutes
KU	Kentucky Utilities
KyEM	Kentucky Division of Emergency Management
LDFES	Lexington Division of Fire and Emergency Services
LEPC	Local Emergency Planning Committee
LFUCG	Lexington Fayette Urban Country Government
MGRS	Military Grid Reference System
MPWG	Mitigation Planning Workgroup
MRCC	Midwestern Regional Climate Center (MRCC)
NCDC	National Climatic Data Center (NCDC)
NDSP	National Dam Safety Program
NEHRP	National Earthquake Hazard Reduction Program
NEXRAD	Next-Generation Radar
NFIP	National Flood Insurance Program
NLCD	National Land Cover Dataset
NOAA	National Oceanic and Atmospheric Administration
NWS	National Weather Service
OSP	Office of Research, Grants, and Sponsored Programs
PDM	Pre-Disaster Mitigation
PDSI	Palmer Drought Severity Index
PGA	Peak Ground Acceleration
PPD	Physical Plant Division
SCM	Steering Committee Meeting
SFHA	Special Flood Hazard Area
SVRGIS	Severe Weather Geographic Information System
TORRO	Tornado and Storm Research Organization
UK	University of Kentucky
UKAT	University of Kentucky Analytics & Technologies
USGS	United States Geological Survey
VOIP	Voice Over Internet Protocol

Appendix 2 References

Local Sites

44 Code of Federal Regulations	http://www.fema.gov/library/viewRecord.do?id=2741
Bluegrass Area Development District	http://www.bgadd.org/haz_mat_docs.htm
Commonwealth of Kentucky Enhanced Hazard Mitigation Plan (2013)	http://kyem.ky.gov/recovery/Pages/State-Hazard-Mitigaton-Plan.aspx
Disaster Mitigation Action of 2000	https://www.fema.gov/media-library/assets/documents/4596
FEMA Floodplain Management Requirements	https://www.fema.gov/floodplain-management-requirements
FEMA Local Plan Review Guide	https://www.fema.gov/media-library/assets/documents/23194
Hazard Mitigation Assistance	https://www.fema.gov/hazard-mitigation-assistance
Hazard Mitigation Grant Program	https://www.fema.gov/hazard-mitigation-grant-program
Incident Command System	https://www.fema.gov/incident-command-system-resources
Kentucky Division of Emergency Management	http://kyem.ky.gov/Pages/default.aspx
Kentucky Life Safety Code	http://www.lrc.ky.gov/kar/815/010/060.htm
Lexington Fayette Division of Emergency Management	http://www.lexingtonky.gov/index.aspx?page=713
Lexington Fayette Urban County Government Hazard Mitigation Plan (2013)	http://www.lexingtonky.gov/index.aspx?page=719
Louisville National Weather Service	http://www.crh.noaa.gov/lmk/
Severe Weather Communication Policies and Procedures	http://www.uky.edu/PR/News/severe_weather.htm
UK Alert Emergency Notification System	http://www.uky.edu/EM/UKAlert/
UK Building Emergency Action Plan Guidance	http://www.uky.edu/EM/beap.html
UK Business Continuity Plans	http://www.uky.edu/EM/continuity-of-operations-planning.html
UK Campus Community Emergency Response Team	http://www.uky.edu/EM/CERT.html
UK Campus Master Plan	http://www.uky.edu/EVPFA/Facilities/MasterPlan/
UK Capital Project Management	https://www.uky.edu/EVPFA/Facilities/CPMD/index.html
UK Emergency Assistance Card Program	http://www.uky.edu/EM/emergency-assistance-card-program.html
UK Fast Facts	http://www.uky.edu/iraa/facts
UK Official Design Standards	http://www.uky.edu/EVPFA/Facilities/CPMD/standards/div00/div00.htm
UK Storm Ready	http://www.qwx.ca.uky.edu/stormready/safeplaces.shtml?314
UK Strategic Plan	http://www.uky.edu/strategic-plan/
University Organizational Charts	http://www.uky.edu/regs/orgchart.htm

Kentucky Sites

Kentucky Virtual Library	http://www.kyvl.org
Geology of Kentucky	http://www.uky.edu/KGS/coal/webgeoky/kygeolgy.htm
Kentucky's Geographic Explorer	http://kygeonet.ky.gov/
KY State Nature Preserves Commission	http://www.naturepreserves.ky.gov/
Kentucky Heritage Council	http://www.kyheritage.org/khchome.htm
KY Public Service Commission	http://psc.ky.gov/pschome.htm

Kentucky Virtual Library	http://www.kyvl.org/
Governor's Office for Technology	http://got.ky.gov/
KY Division of Waste Management	http://www.waste.ky.gov/
KY Division of Water	http://water.ky.gov/Pages/default.aspx
KY Office of Geographic Information	http://ogis.state.ky.us/
Kentucky Geodetic Advisor	http://ngs.state.ky.us/
KY Transportation Cabinet-Division of Planning	http://www.kytc.state.ky.us/planning/index.shtm
KY Housing, Buildings, and Construction	http://hbc.ppr.ky.gov/BCE.htm
KY Mines and Minerals	http://dmm.ppr.ky.gov/
Kentucky Emergency Operations Plan	http://kyem.dma.state.ky.us/KY%20EOP/tableofcontents.htm
Kentucky Life Safety Code	http://www.lrc.ky.gov/kar/815/010/060.htm

National Sites

Disaster News Network	http://www.disasternews.net/index3.php
Environmental Protection Agency (EPA) Excessive Heat Events Guidebook	http://www.epa.gov/heatisland/about/pdf/EHEguide_final.pdf
Federal Emergency Management Agency (FEMA)	http://www.fema.gov/
FEMA - Flood Hazard Mapping	http://www.fema.gov/fhm/
FEMA Disaster Declarations	http://www.fema.gov/disasters
FEMA Guidelines for Dam Safety	http://www.fema.gov/media-library/assets/documents/3909
FEMA Mitigation Division	http://www.fema.gov/fima/
FEMA Planning Resource Center	http://www.fema.gov/fima/planresource.shtm
FEMA Tornado Activity	http://www.fema.gov/safe-rooms/tornado-activity-united-states
FEMA Wind Zones	http://www.fema.gov/safe-rooms/wind-zones-united-states
Forest Service—Department of Agriculture	http://www.fs.fed.us/fire/fuelman/
Geo-Community	http://data.geocomm.com/
Hazard Maps	http://www.hazardmaps.gov/atlas.php
Interscience Publishers	http://www.inderscience.com/
Midwestern Regional Climate Center	http://mrcc.isws.illinois.edu/
National Atlas	http://nationalatlas.gov/
National Climatic Data Center Storm Database	http://www.ncdc.noaa.gov/stormevents/choosedates.jsp?statefips=21%2CKENTUCKY
National Dam Safety Program	http://www.fema.gov/about-national-dam-safety-program
National Geophysical Data Center	http://www.ngdc.noaa.gov/maps/interactivemaps.html
National Inventory of Dams	http://geo.usace.army.mil/pgis/f?p=397:12:
National Oceanic Atmospheric Association (NOAA)	http://www.noaa.gov/
National Performance on Dams Program	http://npdp.stanford.edu/
National Weather Service (NWS) Glossary	http://w1.weather.gov/glossary/index.php?letter=e
Natural Hazards Center	http://www.colorado.edu/hazards/o/
NOAA Extreme Beat the Heat Weather Ready Campaign	http://www.nws.noaa.gov/os/heat/index.shtml#heatindex
NOAA U.S. Climate Extremes Index (CEI)	http://www.ncdc.noaa.gov/extremes/cei/graph
NWS Louisville Heat Factoids	http://www.crh.noaa.gov/news/display_cmsstory.php?wfo=lmk&storyid=84794&source=0
NWS Windchill Chart	http://www.nws.noaa.gov/om/windchill/
Tornado and Storm Research Center	http://www.torro.org.uk/site/hscale.php
U.S. Department of Homeland Security	http://www.ready.gov/
United States Geological Survey (USGS) Modified Mercalli Intensity Scale	http://earthquake.usgs.gov/learn/topics/mercalli.php

USGS Earthquake Archive Search	http://earthquake.usgs.gov/earthquakes/search/
USGS Hazard Maps and Data	http://earthquake.usgs.gov/hazards/products/
USGS Landslide Susceptibility Map	http://pubs.usgs.gov/fs/2005/3156/2005-3156.pdf
USGS Largest Earthquakes in the United States	http://earthquake.usgs.gov/earthquakes/states/10_largest_us.php

Appendix 3 Plan Adoption Documentation

University of Kentucky 2015 Hazard Mitigation Plan Acceptance and Adoption Statement

The Disaster Mitigation Act of 2000 (DMA 2000) requires local communities to develop and implement mitigation plans to identify and prioritize natural and man-made hazards and develop strategies to reduce the impact of hazards when they occur. Complying with DMA 2000 also allows local communities to be eligible for federal mitigation planning grants.

The University has completed its Hazard Mitigation Plan update, and will continue working toward the completion of future mitigation projects across the University in the most effective and efficient manner possible. An approved plan will maintain eligibility of the University for state and federal mitigation grants.

Upon the recommendation of the University of Kentucky Mitigation Steering Committee, the UK Police Department, and FEMA's preliminary approval, I accept this Hazard Mitigation Plan and its content on the behalf of the University of Kentucky.

Furthermore, it is my intent that this plan will become the functional guidance for University in its effort to mitigate the effects that accompany natural hazard events. The University will continue to maintain and update this plan in accordance with FEMA.

Eli Capilouto
Printed Name

3/4/16
Date

President
Title


Signature

Appendix 4 Planning Team



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Appendix 5 Commitment Form

University of Kentucky 2015 Hazard Mitigation Plan Update

MISSION STATEMENT

The University of Kentucky Hazard Mitigation Plan Update is designed to sustain the community by mitigating damage and losses caused by natural hazards.

PARTNERING AGREEMENT

As a member of the University of Kentucky Hazard Mitigation Steering Committee, I am committed to working to establish unity and open communication in the implementation of a comprehensive natural hazard mitigation plan that is in accordance with the FEMA Disaster Mitigation Act of 2000 (DMA 2000).

We pledge our representation as a partner in the goal to develop:

- ▶ A Disaster Resistant Community
- ▶ An updated Hazard Mitigation Plan and Mitigation Strategy
- ▶ Maximum community trust, support, and involvement

To achieve the aforementioned goals, we agree to provide our input and support (as applicable) in order to complete the following:

- ▶ Attend committee meetings as scheduled and provide input when needed.
- ▶ Provide data to contribute to UK's vulnerability assessment.
- ▶ Review and provide updated status' on UK's five-year mitigation action plan.
- ▶ Participate in the maintenance of the hazard mitigation plan.

Appendix 6 Meeting Records

Planning Process Steps	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15
1 Complete Planning Process						
Steering Committee Meeting #1 <i>Purpose: Kick-off and data collection</i> <i>Flood mitigation project presentation</i>	11/7					
Steering Committee Meeting #2 <i>Purpose: Risk assessment results</i> <i>Flood vulnerability results</i>			1/23			
Steering Committee Meeting #3 <i>Purpose: Mitigation Funding and Project Examples</i> <i>Flood mitigation strategy discussion</i>				2/27		
Steering Committee Meeting #4 <i>Purpose: Draft plan review, plan maintenance</i> <i>Draft flood mitigation strategy review</i>					3/31	
Small Group Work Sessions <i>Purpose: Data collection, mitigation strategy</i> <i>Flood management discussions</i>			1/8	2/13		
Individual Stakeholder Calls and Meetings						

Appendix 7 Meeting Attendance

Last	First	Organization	Department	Title	SCM 1 11/07/14	SCM 2 01/23/15	SCM 3 02/27/15	SCM 4 03/31/15	Work Session 1 01/08/15	Work Session 2 02/13/15
Adkins	Todd	UK	EVPFA	Assistant Director of Risk Management	x	x	x		x	x
Alexander	Keith	LGE-KU	Kentucky Utilities	Emergency Planning & Preparedness Manager	x	x				
Anderson	Richard	UK		Campus CERT Member				x		
Andrews	Drew	UK	KY Geological Survey	Section Head						
Baldwin	Robert	American Red Cross	American Red Cross	Regional Disaster Partner	x		x			
Banta	Rebecca	UK	Plant Assets	Accountant Senior						
Barefoot	Jonathan	UK	Campus Services	Lieutenant - CMP	x	x			x	x
Beach	David	UK	DRC	Campus CERT Member				x		
Beatty	Anthony	UK	Campus Services	Assistant Vice President for Campus Services		x				
Berry	Sharon	UK	Medical Center	Safety Officer						
Blevins	Justin	UK	Student Affairs	Assistant Director of Residence Life for Risk Management	x					
Brashear	Bob	UK	College of Agriculture	Assistant Dean	x	x				
Brawner	Geni Jo	KYEM	Kentucky Emergency Management	State Hazard Mitigation Officer	x					
Broeking	Lance	UK	Campus Services	Director						
Brown	Nathan	UK	Campus Services	Major - UKPD Administration	x	x	x	x	x	x
Clark	Dall	UK	Capital Project Management	Capital Construction Director						
Clark	Murray	UK	Healthcare	Sr. VP for Health Affairs / CFO		x				
Coleman	William	UK	General Accounting	Accounting Manager II						
Cooper	James	Columbia Gas	Columbia Gas	Senior Operations Support Specialist		x		x		
Crawford	Matt	UK	KY Geological Survey	Geologist						
Davis	Donnie	UK	College of Agriculture	Director, Central Kentucky Farms				x		
Drapeau	Lou	UK	EVPFA	Director of Risk Management	x				x	x
Drury	Mike	UK	Housing	Campus CERT Member				x		
Dugger	Pat	LFUCG	Division of Emergency Management	Director						
Dunn	Paula	UK		Campus CERT Member				x		
Dusso	Jennifer	UK	Kentucky Clinic	Chief Administrative Officer	x					

Last	First	Organization	Department	Title	SCM 1 11/07/14	SCM 2 01/23/15	SCM 3 02/27/15	SCM 4 03/31/15	Work Session 1 01/08/15	Work Session 2 02/13/15
Eades	Doug	KYEM	Kentucky Emergency Management	Systems Integration Specialist						
Ellington	Michelle	UK	Facilities Information Services	GIS Coordinator					x	
Ellis	Jason	UK	Campus Services	Assistant Fire Marshal				x		
Emmerson	Ann	UK	College of Medicine	Sr. Facilities Planner	x	x	x			
Franklin	Christina	UK	Student Affairs	Student Center Operations Coordinator	x	x	x	x		
Frazier	James	UK	Finance & Administration	Director of Process Improvement & Risk Analysis	x					
Friskney	Doyle	UK	Information Technology	VP Technical Services	x					
Gathy	Brian	UK	Martin School for Public Policy & Admin	Program Coordinator						
Geers	Time	UK	Housing	Campus CERT Member				x		
Givens	John	LexTran	LexTran	Director of Risk Management	x	x				
Grinstead	Nick	UK	Martin School for Public Policy & Admin	Planning Grants Manager	x		x			
Haley	Karen	American Red Cross	American Red Cross - Bluegrass Area Chapter	Disaster Program Manager						
Harris	Tom	UK	University Relations	Vice President		x				
Harris	Julie	UK	Police Department	Campus CERT Member				x		
Hart	Claire	UK	Human Resources Administration	HR Strategic Initiatives Partner		x				
Hart	Jerry	UK	Physical Plant	Maintenance Superintendent		x	x	x		
Hazard	Victor	UK	Dean of Students	Associate Vice President	x	x		x		
Hazard	Deborah	UK	Office of Development	Administrative Business Officer	x					
Henning	Jimmy	UK	College of Agriculture	Associate Dean for Extension		x			x	
Henry	Scott	UK	Student Affairs	Dining Services Executive Director	x					
Herbst	John	UK	Student Affairs	Student Services Exexutive Director, Student Center	x	x		x		
Hibbard	David	UK	Campus Services	EHS - Director	x	x	x			x
Higdon	Andrea	UK	College of Agriculture	Emergency Management System Director		x	x	x		x
Human	Josh	UofL	Center for Hazards Research & Policy Development	Director	x	x	x	x		
Imerman	Pat	UK	Healthcare Good Samaritan	Human Resources Administrator						
Ingram	Jacob	UK	Student Involvement	Student Government President						
Jackson	Steve	LFUCG	Division of Emergency Management	Program Manager	x	x				

Last	First	Organization	Department	Title	SCM 1 11/07/14	SCM 2 01/23/15	SCM 3 02/27/15	SCM 4 03/31/15	Work Session 1 01/08/15	Work Session 2 02/13/15
Jackson	Judy	UK	Office for Institutional Diversity	Vice President						
Karnes	Jacob	UK	Student Affairs	Director	x					
Karrick	Josh	Bell Engineering	Bell Engineering	Landscape Architect	x					
Kearns	Stuart	UK	Campus Services	Associate Director	x	x				
Kinckiner	Brad	KY American Water	Kentucky American Water	Senior Specialist		x	x			
Kreide	Kevin	UK	Physical Plant	Physical Plant Director - Campus	x	x			x	
Lambert	Kasandra	UK	Arts and Sciences	Safety Specialist		x		x		x
Lane	Charlie	UK	Capital Project Management	Project Manager II		x				
Lasley	Catie	UK	Human Resources	Director of Human Resources	x	x	x			
LeMaster	Amanda	KYEM	Hazard Mitigation Grant Program	Grant Manager		x				
Martin	Tom	LFUCG	Planning	Senior Planner				x		
Matlock	Thomas	UK	Campus Services	Captain - CMP	x	x	x	x	x	x
McClure	Richard	UK	Campus Physical Plant Division	Senior Engineer	x	x	x	x		
McClure	Ed	UK	Medical Center	Physical Plant Director - Medical Center	x	x	x	x		x
Miller	Gus	UK	Provost	Assistant Provost	x	x				
Monday	Eric	UK	Administration	Executive Vice President - Financy & Administration						
Monroe	Joe	UK	Campus Services	Police Chief		x	x		x	x
Mosman	Phyllis	UK	College of Education	Staff Support				x		
Nikirk	Sarah	UK	Auxiliary Services	Auxiliary Services Director Associate						
Noltemeyer	Kim	UofL	VP Business Affairs	Project Manager		x				
O'Brien	Christine	UK	Facilities Management	Real Properties Manager			x			
O'Dell	Kelvin	UK	College of Arts & Sciences	Facilities Planning Director	x	x	x	x		x
Parker	Joel	UK	College of Denistry	Facilities Planner						
Phillips	Rick	UK	Information Technology	Network Engineer	x					
Pompei Lacy	Andrea	UofL	Center for Hazards Research & Policy Development	Project Manager	x	x	x	x	x	x
Poore	Lee	UK	Occupational Health and Safety	Occupational Health and Safety Director			x			
Ralph	Tony	UK	Student Affairs	Director	x		x			

Last	First	Organization	Department	Title	SCM 1 11/07/14	SCM 2 01/23/15	SCM 3 02/27/15	SCM 4 03/31/15	Work Session 1 01/08/15	Work Session 2 02/13/15
Richey	Mike	UK	Office of Development	Chief Development Officer			x			
Ross	Debra	UK	Conference Housing	Auxiliary Services Director Assistant	x			x		
Saal	Kevin	UK	Athletics	Associate Director of Athletics					x	
Schwartz	Janet	UK	Facilities Information Services	Facilities Information Analyst	x	x		x	x	x
Sizemore	Todd	UK	College of Pharmacy	Information Technology Manager II	x		x			
Skeese	Shawn	UK	Good Samaritan Hospital	Physical Plant Manager I	x	x				
Smiley	Jeffrey	UK	Laboratory Animal Resources	DLAR Lab Animal Veterinarian Director Assistant						
Spicer	Lana	UK	College of Medicine	Program Coordinator	x	x	x			
Stills	Harold	UK	Research	Animal Care Services Officer	x	x	x	x		
Stock	Monica	UK	Auxiliary Services	Campus CERT Member				x		
Sugarman	Roger	UK	Institutional Research	Planning and Assessment Director		x	x			
Sullivan	Joe	NWS	National Weather Service - Louisville	Warning Coordinator Meteorologist				x		
Thomas	Robert	UK	Hazardous Materials and Waste	IS Technical Support Specialist III						
Tracy	Jim	UK	Vice President for Research	Vice President						
Vosevich	Mary	UK	Facilities Management	Vice President				x		
Wang	Zhenming	UK	Kentucky Geological Survey	Section Head	x	x				
Ward	George	UK	UK Coldstream	Campus CERT Member				x		
Williamson	Greg	UK	Campus Services	Fire Marshal	x	x				
Williamson	T. Lynn	UK	Office of Legal Counsel	Counsel General Associate Senior	x	x		x		
Wilson	Kim	UK	Human Resources	Assoc. Vice President	x					
Wilson	Lisa	UK	Provost	Assistant Provost for Finance & Operations	x					
Wims	Jim	UK	Student Affairs	Associate VP, Residence Life	x	x	x	x		
Wood	Laurel	UK	Campus Services	Business Continuity	x	x	x	x	x	x
Wooten	Leslie	UK	Human Resources Administration	HR Informatics Analyst						
Young	Jay	UK	College of Arts and Sciences	College Safety Officer	x	x		x		x

Appendix 8.1 Steering Committee Meeting 1

University of Kentucky Hazard Mitigation Plan Update

Kick-Off Steering Committee Meeting

November 7, 2014

10:00 am-12:00 pm

W.T. Young Library
401 Hilltop Ave
Lexington, KY 40506
West Wing – Basement
Room B-108C

10:00 – 10:10	Sign-In
10:10 – 10:15	Welcome and Opening Comments Chief Joe Monroe, UK Police Department Captain Tom Matlock, UK Crisis Management and Preparedness
10:15 – 10:40	Mitigation Efforts at UK: A Recap Laurel Wood, UK Crisis Management and Preparedness Josh Karrick, Bell Engineering
10:40 – 11:20	Introduction: Updating UK's Hazard Mitigation Plan Josh Human, Center for Hazards Research and Policy Development
11:20 – 11:30	Break
11:30 – 12:00	Revisiting our Mitigation Strategy Andrea Pompei Lacy, Center for Hazards Research and Policy Development

Keep up to date by visiting: <http://www.uky.edu/EM/hazardmitigationplan.html>

Notes/"To Do's":



FEMA



Appendix 8.2 Small Group Work Session 1

University of Kentucky Hazard Mitigation Plan Update

Work Session: Critical Facility and Hazard Occurrence Discussion

Thursday, January 8, 2015

1:00 pm - 3:00 pm

Location: Student Center, Boardroom #203

1. Updating UK's Critical Facilities List

- Reference Materials:
 - Draft 2015 Critical Facilities List
 - Critical Facility Type Examples

2. Identifying New Hazard Occurrences

- Reference Materials:
 - List of existing occurrences
 - Projected Electronic Map (to add occurrences during work session)

Keep up to date by visiting: <http://www.uky.edu/EM/hazardmitigationplan.html>

Notes/"To Do's":



FEMA



Appendix 8.3 Steering Committee Meeting 2

University of Kentucky Hazard Mitigation Plan Update

Steering Committee Meeting #2

January 23, 2014

10:00 am-12:00 pm

Location: TBD

10:00 – 10:10	Sign-In
10:10 – 10:15	Welcome and Opening Comments Chief Joe Monroe, UK Police Department Captain Tom Matlock, UK Crisis Management and Preparedness
10:15 – 11:05	Where is UK at Risk? Andrea Pompei Lacy, Center for Hazards Research and Policy Development Josh Human, Center for Hazards Research and Policy Development
11:05 – 11:15	Break
11:10 – 12:00	Celebrating 5 Years of Mitigation Successes 5 x 5 Presentations Presenters TBD

Keep up to date by visiting: <http://www.uky.edu/EM/hazardmitigationplan.html>

Notes/"To Do's":



FEMA



Appendix 8.4 Small Group Work Session 2

University of Kentucky Hazard Mitigation Plan Update

Work Session: Mitigation Strategy Update

February 13, 2015

10:00 a.m. – 11:30 a.m.

Student Center – Boardroom 203

-
- Reference Materials/Handouts:
 - 2015 Proposed Mitigation Goals
 - 2010 Mitigation Strategy
 - Approach:
 - Review Completed Action Items
 - Identify action items in need of follow-up
 - What else do we need to add?

Keep up to date by visiting: <http://www.uky.edu/EM/hazardmitigationplan.html>

Notes/"To Do's":



FEMA



Appendix 8.5 Steering Committee Meeting 3

University of Kentucky Hazard Mitigation Plan Update

Steering Committee Meeting #3

February 27, 2015

10:30 am-12:00 pm

W.T. Young Library, West Wing – Basement, Room B-108C

10:30 – 10:35 Sign-In

10:35 – 10:40 Welcome and Opening Comments

Chief Joe Monroe, UK Police Department

Captain Tom Matlock, UK Crisis Management and Preparedness

10:40 – 11:00 UK Vulnerability to Hazards

Josh Human, Center for Hazards Research and Policy Development

11:00 – 11:20 Updating UK's Mitigation Strategy

Andrea Pompei Lacy, Center for Hazards Research and Policy Development

11:20 – 11:35 Break: Let's view the maps!

11:35 – 12:00 FEMA Funding Opportunities

Nick Grinstead, Hazard Mitigation Grants Program Office

Keep up to date by visiting: <http://www.uky.edu/EM/hazardmitigationplan.html>

Notes/"To Do's":



FEMA



Appendix 8.6 Steering Committee Meeting 4

University of Kentucky Hazard Mitigation Plan Update

Stakeholder Meeting

March 31, 2015

10:00 am-12:00 pm

UK Student Center
404 Administration Drive
Lexington, KY 40506
Center Theater

10:00 – 10:05 Sign-In

10:05 – 11:00 Building a Weather Ready Nation
Joe Sullivan, Warning Coordination Meteorologist
National Weather Service

11:00 – 11:50 UK Vulnerability to Hazards
Josh Human, Director
Andrea Pompei Lacy, Project Manager
Center for Hazards Research and Policy Development

11:50 – 12:00 Discussing Our Plan
Q & A Session




FEMA



Appendix 8.7 Community Involvement

Example meeting notices are shown below as disseminated via UK Now email newsletter, UK Mitigation website, and other electronic media.

**University of Kentucky**
CRISIS MANAGEMENT & PREPAREDNESS

Emergency Number: 911
Office (859) 257-3815 or (859) 257-6655

HomeAbout UsFAQResources and LinksUK PoliceContact Us

Hazard Mitigation 101

Hazard Mitigation & How It Can Help You

Public Comment Form

2010 Hazard Mitigation Plan

Contact

University of Kentucky Hazard Mitigation Plan Update

Kick-Off Steering Committee Meeting

"Identifying Our Hazards"

November 7, 2014

10:00 am -12:00 pm

W.T Young Library
401 Hilltop Ave
Lexington, KY 40506
West Wing - Basement
Room B-108C

The University of Kentucky's Hazard Mitigation Plan was last approved in February 2010 and has kept the University in compliance with federal hazard mitigation planning standards resulting from the **Disaster Mitigation Act of 2000**, as contained in 44 CFR 201.6. The current plan is approved for a period of five years, until February 9, 2015. As a result, the University is an eligible applicant for state and federal funds for mitigation and disaster assistance grant programs administered by the Federal Emergency Management Agency (FEMA).





University of Kentucky's Hazard Mitigation Goals:

1. Protect Lives
2. Protect University Property
3. Enhance Existing, or Develop New, University Policies
4. Build and Strengthen Partnerships
5. Increase Campus Community Understanding
6. Integrate Risk Reduction Strategies

The 2015 update to the University of Kentucky Hazard Mitigation Plan will be a collaborative effort on the part of UK Police: Division of Crisis Management and Preparedness, the UK Hazard Mitigation Steering Committee, state and local agencies, the University of Louisville Center for Hazards Research and Policy Development, and interested members of the UK community. A series of steering committee meetings will be held on UK's campus to accomplish the following:

1. Update UK's hazard vulnerability assessment
2. Measure progress and update UK's five-year mitigation action plan
3. Commit to plan maintenance measures for the next five-year cycle

The projects identified and the priority placed upon them through this planning process will guide the University and influence opportunities for FEMA funding over the next five years.



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By
Kathy Johnson, Laurel
Wood

UK Hazard Mitigation Plan Open for Public Comment

Published: Apr 13, 2015

SHARE:



Printer-friendly

LEXINGTON, Ky. (April 13, 2015) — Protecting the University of Kentucky as much as possible from natural disasters is one of the primary missions of the UK Police Division of Crisis Management and Preparedness and its UK Hazard Mitigation Steering Committee.

They, along with University of Louisville's Center for Hazards Research and Police Development, have been working on a draft of the [2015 University of Kentucky Hazard Mitigation Plan Update](#), and it is now available for public review and comment. Detailed [Risk Assessment Maps](#) are also available for viewing.

The draft review period will conclude at 5 p.m. Tuesday, April 21.

Questions and comments may be submitted via the [Public Comment Form](#) or by emailing them directly to Laurel Wood, business continuity coordinator in Crisis Management and Preparedness, at laurel.wood@uky.edu.

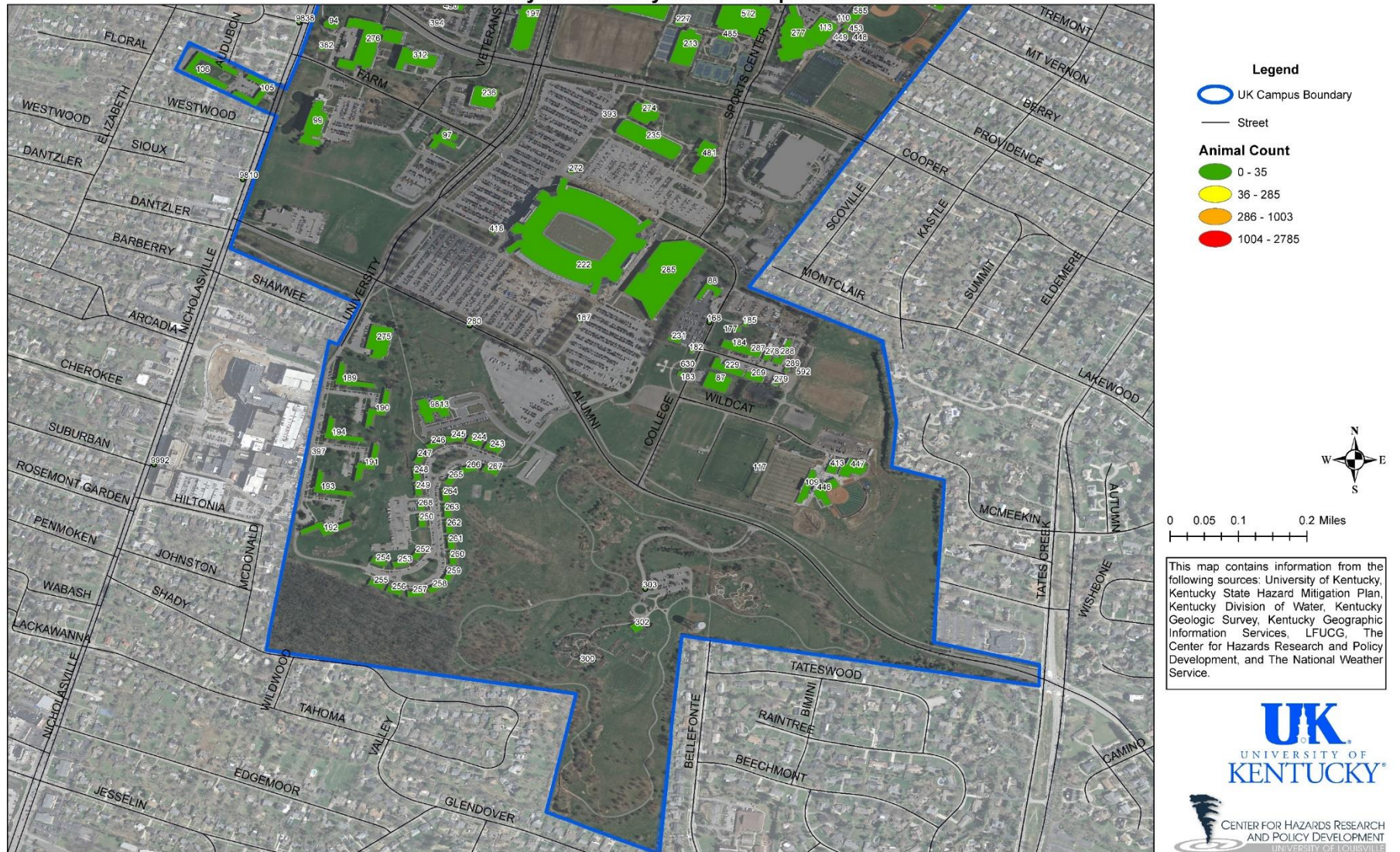
Appendix 9 Campus Exposure Maps

The Exposure Score reveals where you have assets vulnerable to a hazard. This data is critical for emergency managers and the university community to use in order to comprehend where high concentrations of need could arise during and or before a disaster. These data layers can also be used individually for multiple planning purposes.

University of Kentucky North Campus Animal Count



University of Kentucky South Campus Animal Count



University of Kentucky North Campus Building Condition



University of Kentucky South Campus Building Condition



University of Kentucky North Campus Building Value



University of Kentucky South Campus Building Value



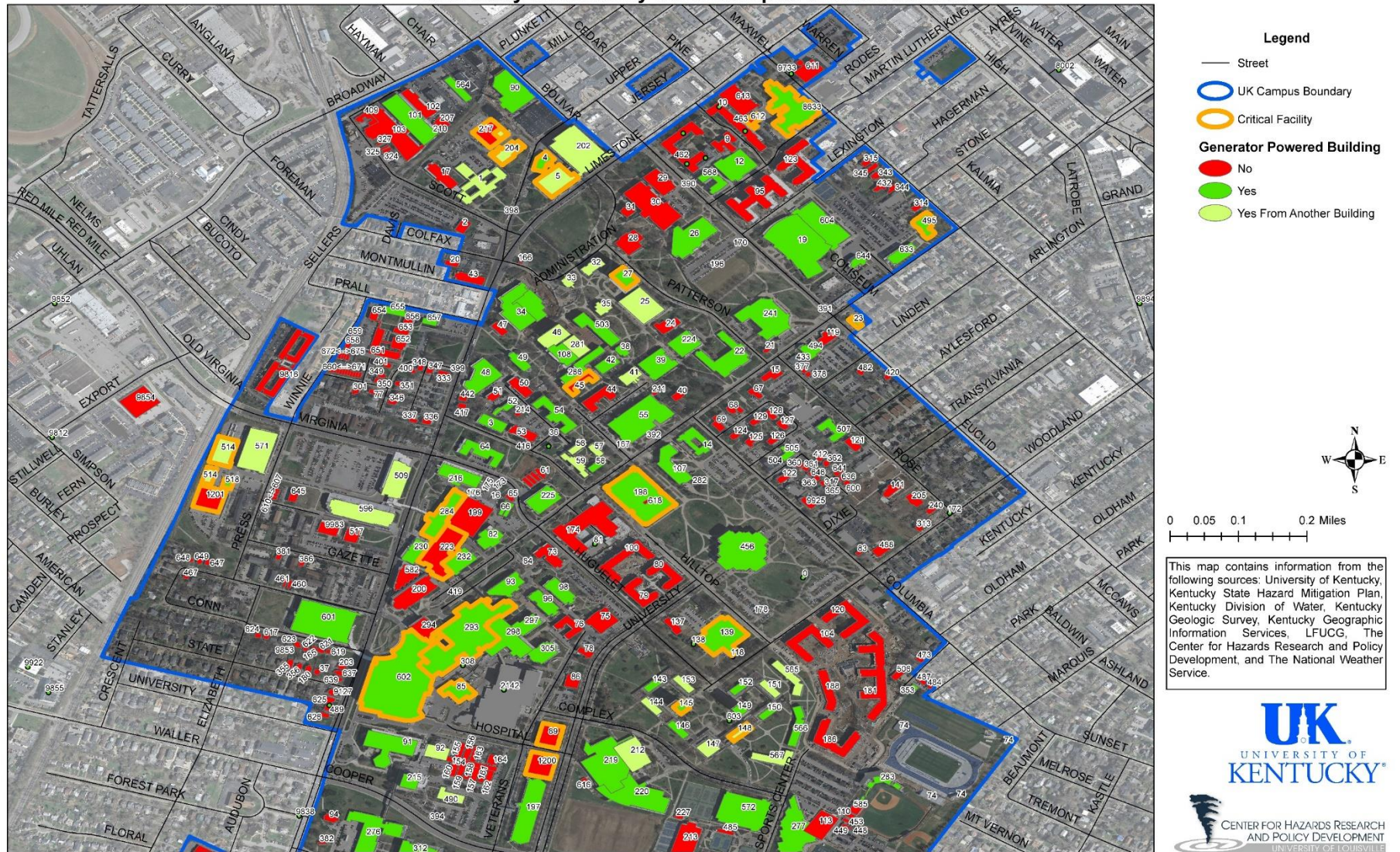
University of Kentucky North Campus Content Value



University of Kentucky South Campus Content Value



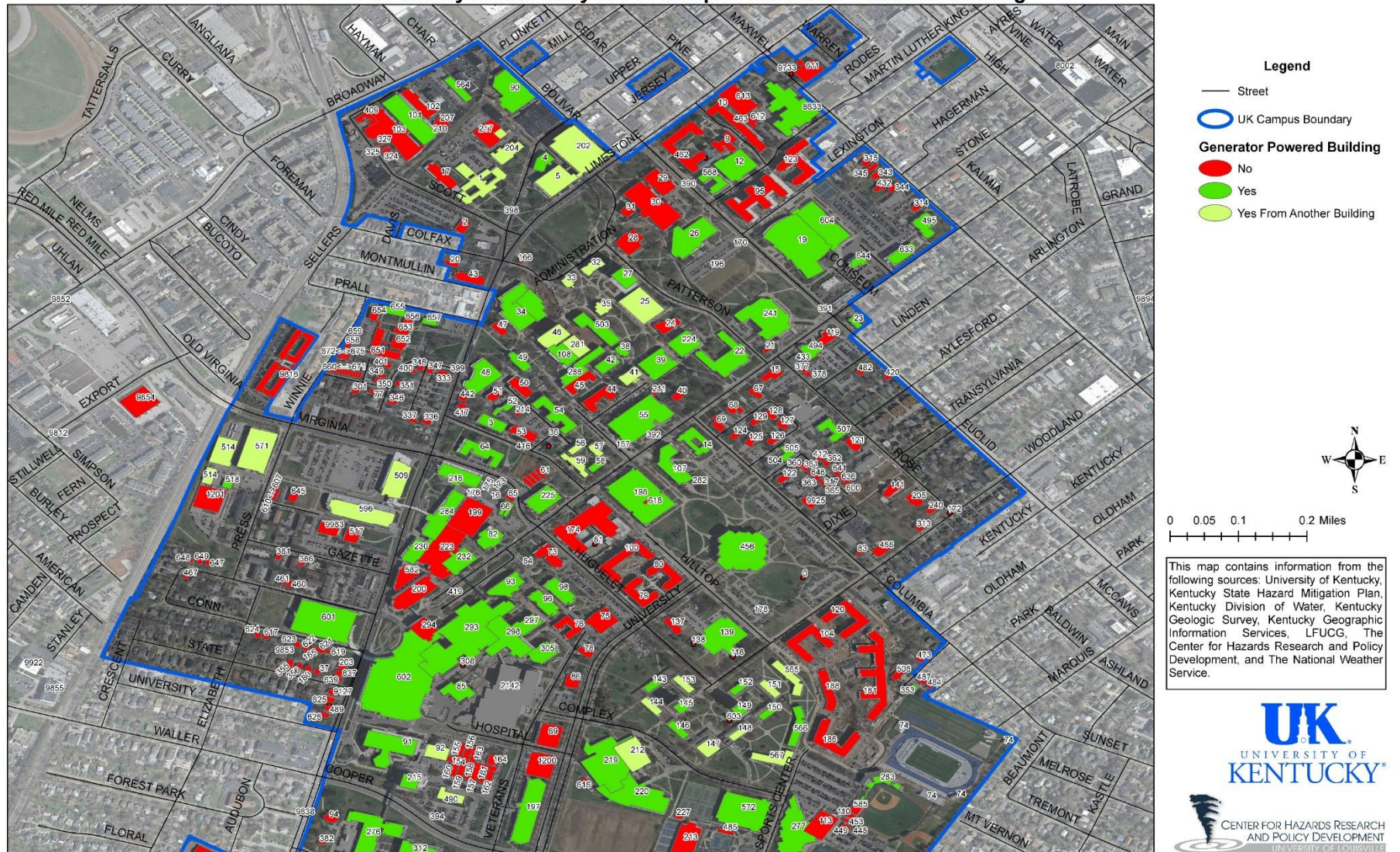
University of Kentucky North Campus Critical Facilities



University of Kentucky South Campus Critical Facilities



University of Kentucky North Campus Generator Powered Building



University of Kentucky South Campus Generator Powered Building



University of Kentucky North Campus Hazmat and Fuel Storage



University of Kentucky South Campus Hazmat and Fuel Storage



University of Kentucky North Campus Population



University of Kentucky South Campus Population



University of Kentucky North Campus Exposure Score



Appendix 10 Campus Hazard Score Maps

The Hazard Score assigns a hazard variable to the Hazard Vulnerability Score. Each variable was calculated and then re-weighted 0-1. The next step was to display the data visually on the maps into the following categories, Low, Moderate, High, and Severe, based on the Natural Breaks (Jenks) classification, which breaks data into like classes.

University of Kentucky North Campus Dam Failure Hazard Score



University of Kentucky South Campus Dam Failure Hazard Score



University of Kentucky North Campus Drought Hazard Score



University of Kentucky South Campus Drought Hazard Score



University of Kentucky North Campus Earthquake Hazard Score



University of Kentucky South Campus Earthquake Hazard Score



University of Kentucky North Campus Extreme Temperature Hazard Score



University of Kentucky South Campus Extreme Temperature Hazard Score



University of Kentucky North Campus Flood Hazard Score



University of Kentucky South Campus Flood Hazard Score



University of Kentucky North Campus Forest Fire Hazard Score



University of Kentucky South Campus Forest Fire Hazard Score



University of Kentucky North Campus Hail Storm Hazard Score



University of Kentucky South Campus Hail Storm Hazard Score



University of Kentucky North Campus Karst-Sinkhole Hazard Score



University of Kentucky South Campus Karst-Sinkhole Hazard Score



University of Kentucky North Campus Landslide Hazard Score



University of Kentucky South Campus Landslide Hazard Score



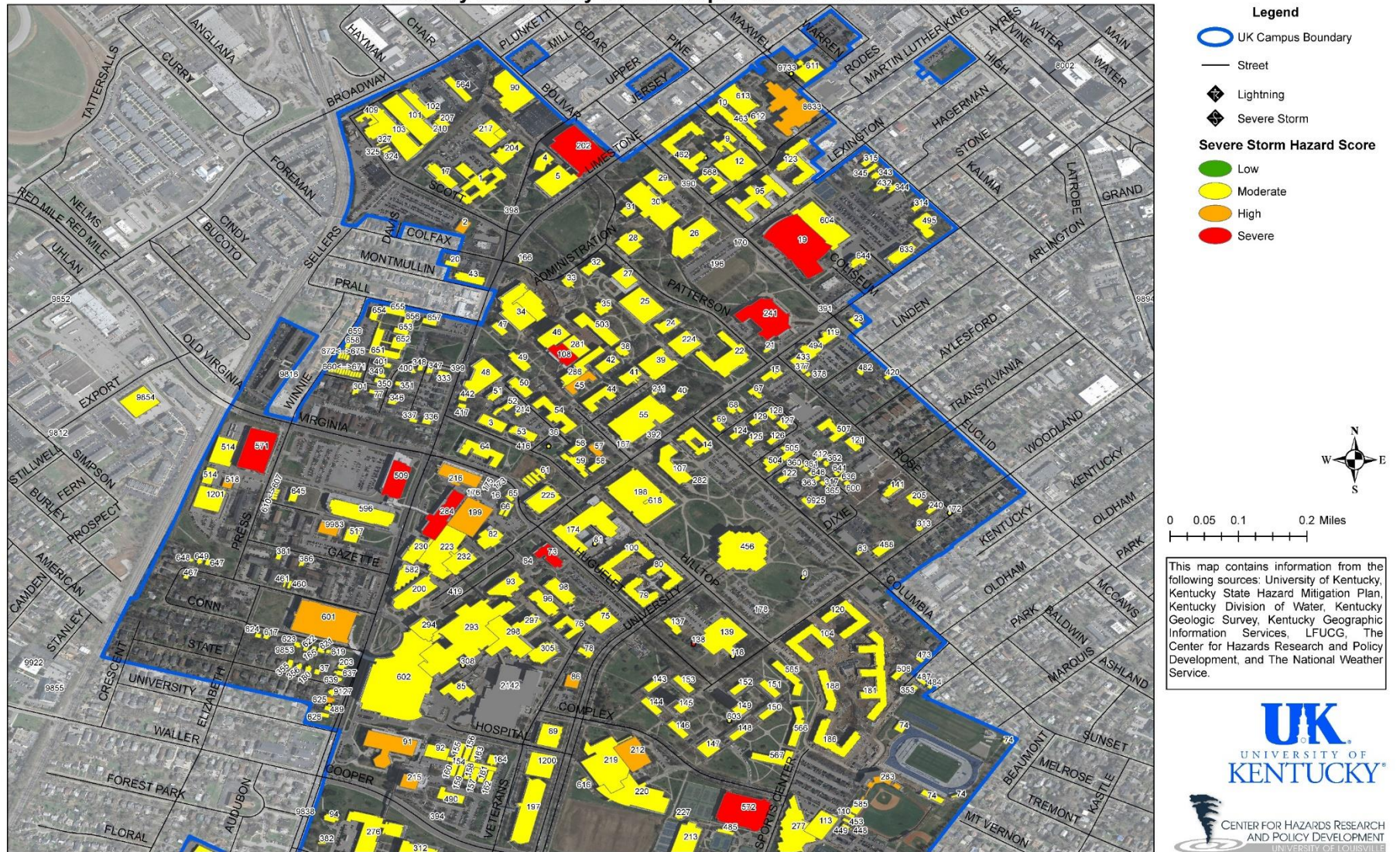
University of Kentucky North Campus Mine Subsidence Hazard Score



University of Kentucky South Campus Mine Subsidence Hazard Score



University of Kentucky North Campus Severe Storm Hazard Score



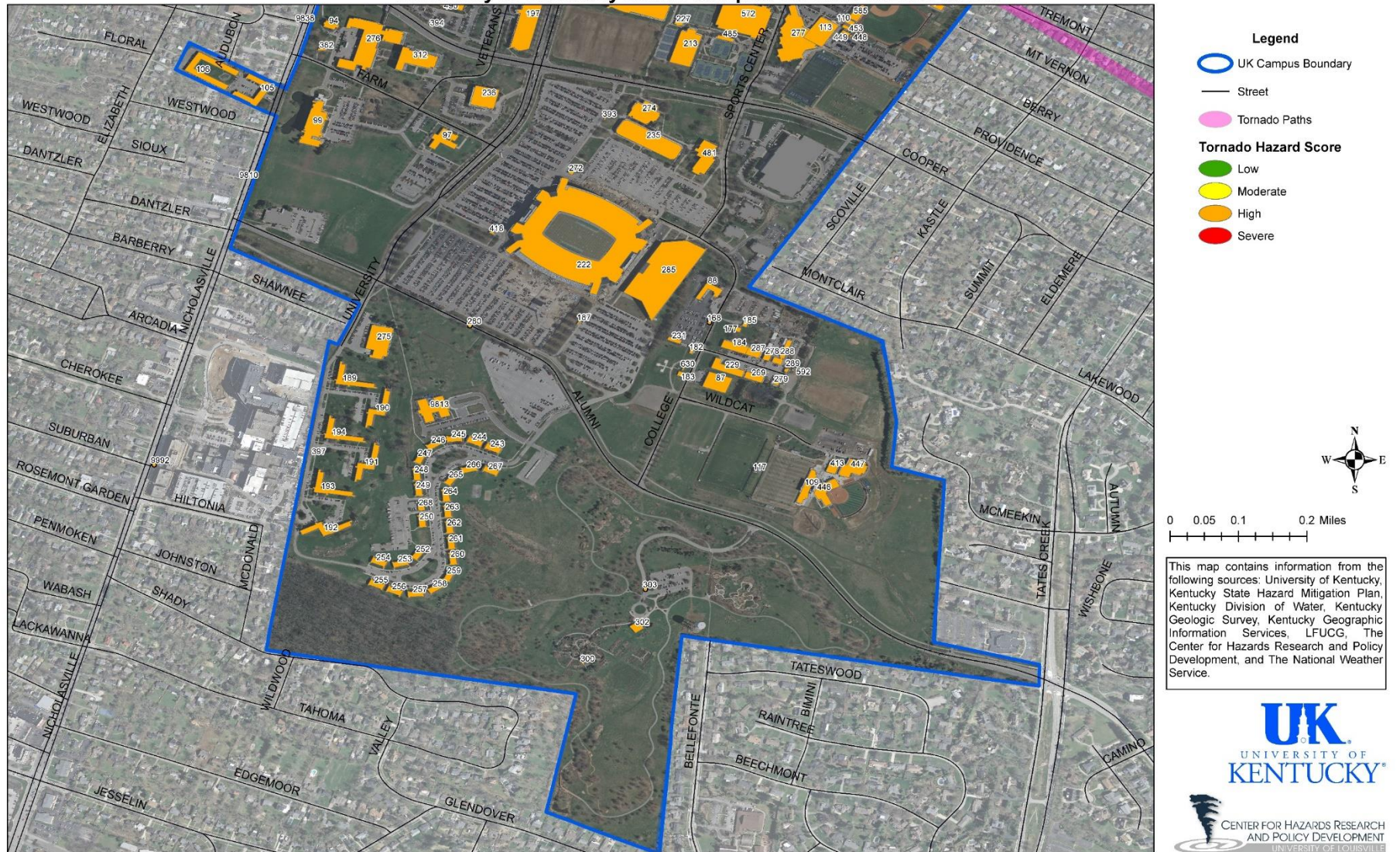
University of Kentucky South Campus Severe Storm Hazard Score



University of Kentucky North Campus Tornado Hazard Score



University of Kentucky South Campus Tornado Hazard Score



University of Kentucky North Campus Winter Storm Hazard Score



University of Kentucky South Campus Winter Storm Hazard Score



Appendix 11 UK Risk Scores (Exposure, Hazard Scores: D – F)

Below are listed detailed exposure, hazard, and vulnerability scores for each of the 1126 structures that are considered UK facilities. These include extension facilities, 4-H camps, farms, and other research properties. Each structure has received a risk score for each of the 13 hazards; and ranked as low, moderate, high, or severe. For the sake of redundancy, each building is cross-listed with the associated Area Development District (ADD) plan and county that cover these geographic areas. Both the maps and tables were used for decision-making when determining the mitigation strategy update of the plan. Please refer to ADD multi-jurisdictional mitigation plans for more information on each region or more details can be provided upon request.

ADD Acronyms

LFUCG = Lexington-Fayette Urban County Government

Louisville Metro = Louisville/Jefferson County Metropolitan Government

BRADD = Barren River Area Development District

BSADD = Big Sandy Area Development District

BGADD = Bluegrass Area Development District

BTADD = Buffalo Trace Area Development District

CVADD = Cumberland Valley Area Development District

FIVCO = FIVCO Area Development District (FIVCO is a portmanteau of "Five" and "Counties")

GWADD = Gateway Area Development District

GRADD = Green River Area Development District

KIPDA = Kentuckiana (Regional) Planning and Development Agency

KRADD = Kentucky River Area Development District

LCADD = Lake Cumberland Area Development District

LTADD = Lincoln Trail Area Development District

NKADD = Northern Kentucky Area Development District

PeADD = Pennyrile Area Development District

PADD = (Jackson) Purchase Area Development District

Exposure and Hazard Scores (Hazards D-F)

Building ID	Building Name	Address	City	County	Area Development District (ADD)/Local Hazard Mitigation Plan	Exposure Score	Hazard Scores					
							Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire
0	MAIN CAMP FLOATER	0	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Moderate	Low
1	Taylor Education Bldg	597 S Upper St	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
2	Scott St Bldg	110 Scott St	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
3	Research Facility #1	111 Washington Ave	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
4	Central Heating Plant #2	598 S Upper St	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
5	Frank D. Peterson Service Bldg	411 S Limestone	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
9	Patterson Hall	335 South MLK Blvd	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
10	Hamilton House	342 S Limestone	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
12	Blazer Hall	343 S Martin Luther King Blvd	Lexington	Fayette	LFUCG	Severe	Low	High	Low	High	Low	Low
13	KGS Core Library	2500 Research Park Dr	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Moderate	Low
14	Boone Faculty Center	500 Rose St	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	High	Low
15	Sturgill (William B.) Development Bldg	450 Rose St	Lexington	Fayette	LFUCG	Moderate	Low	High	Low	Low	High	Low
16	Gatehouse KY Clinic	140 Huguelet Dr	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
17	Dickey Hall	251 Scott St	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
19	Memorial Coliseum	201 Avenue of Champions	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	High	Low
20	Engineering Transportation Research Garage	531 S Limestone	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
21	Old Engineers Residence	421 Rose St	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	High	Low
22	Fine Arts Guignol Bldg	465 Rose St	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	High	Low
23	Police (Safety and Security)	305 Euclid Ave	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	High	Low
24	Lafferty Hall	150 Patterson Dr	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	High	Low
25	White Hall Classroom Bldg	140 Patterson Dr	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	High	Low
26	Student Center Addition	180 Avenue of Champions	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
27	Patterson Office Tower	120 Patterson Dr	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
28	Barker Hall	408 Administration Dr	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low

Building ID	Building Name	Address	City	County	Area Development District (ADD)/Local Hazard Mitigation Plan	Exposure Score	Hazard Scores					
							Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire
29	Alumni Gym	102 Avenue of Champions	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	High	Low
30	Student Center	404 Administration Dr	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
31	Frazee Hall	406 Administration Dr	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
32	Main (Administration) Bldg	410 Administration Dr	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
33	Ezra Gillis Bldg	502 Administration Dr	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
34	Carol Martin Gatton Business & Economics Bldg	550 S Limestone	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
35	Miller Hall	504 Administration Dr	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
36	Gatehouse Gate 2	620 Gladstone Ave	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
37	109 State St	109 State St	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
38	Engineering Annex (Mining Laboratory)	169 Funkhouser Dr	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	High	Low
39	Margaret I. King Library	179 Funkhouser Dr	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	High	Low
40	Maxwell Place	471 Rose St	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	High	Low
41	Pence Hall	175 Funkhouser Dr	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Severe	Low
42	Grehan Journalism Bldg	167 Funkhouser Dr	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	High	Low
43	Whalen (S. J. Sam) Transportation Bldg	533 S Limestone	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
44	Kastle Hall	171 Funkhouser Dr	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Severe	Low
45	McVey Hall	155 Graham Ave	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Severe	Low
46	F. Paul Anderson Tower	512 Administration Dr	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
47	C. W. Mathews Bldg	606 S Limestone	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	High	Low
48	Law Building	620 S Limestone	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	High	Low
49	Memorial Hall	610 S Limestone	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	High	Low
50	Erikson Hall	135 Graham Ave	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	High	Low
51	Mineral Industries Bldg	120 Graham Ave	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low

Building ID	Building Name	Address	City	County	Area Development District (ADD)/Local Hazard Mitigation Plan	Exposure Score	Hazard Scores					
							Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire
52	Terrell Civil Engineering Bldg	140 Graham Ave	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
53	Slone Research Bldg	121 Washington Ave	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
54	Funkhouser Bldg	160 Funkhouser Dr	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Moderate	High	Low
55	Chemistry-Physics Building	505 Rose St	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	High	Low
56	Breckinridge Hall	168 Funkhouser Dr	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
57	Kinthead Hall	172 Funkhouser Dr	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
58	Bradley Hall	545 Rose St	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
59	Bowman Hall	151 Washington Ave	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
61	Tobacco Research Laboratory	150 Washington Ave	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
63	Shed Ecological Research	1685 Russell Cave Road	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
64	Scovell Hall	115 Huguelet Dr	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	High	Low
65	Small Animal Lab	150 Huguelet Dr	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
66	Agronomy Head House & Greenhouses 1 & 2	152 Huguelet Dr	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
67	Chi Omega Sorority	456 Rose St	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	High	Low
68	Delta Delta Delta Sorority	468 Rose St	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	High	Low
69	Alpha Delta Pi Sorority	476 Rose St	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	High	Low
73	Cooper Forestry (Thomas Poe) Bldg	730 Rose St	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
74	Shively Track & Field Stadium	698 Sports Center Dr	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	High	Low
75	Kelley Building	360 Huguelet Dr	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	High	Low
76	Dimmock Animal Pathology	1081 Veterans Dr	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
77	653 Maxwellton Ct.	653 Maxwellton Ct.	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	High	Low
78	Med Center Annex #5	1096 Veterans Dr	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
79	Central Residence Hall II	361 Huguelet Dr	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	High	Low
80	Central Residence Hall I	340 Hilltop Ave	Lexington	Fayette	LFUCG	Moderate	Low	High	Low	Low	High	Low
81	Cooker Trailer Storage	300 Alumni Dr	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
82	Multi-Disciplinary Science Building (MDS)	725 Rose St	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low

Building ID	Building Name	Address	City	County	Area Development District (ADD)/Local Hazard Mitigation Plan	Exposure Score	Hazard Scores					
							Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire
83	453 Columbia Ave	453 Columbia Ave	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	High	Low
84	Gatehouse Roach Bldg	750 Rose St	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
85	Medical Center Heating and Cooling Plant	151 Hospital Dr	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
86	College of Medicine Office Bldg	1100 Veterans Dr	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
87	Medical Center Storage Facility	1530 College Way	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Severe	Low
88	Agriculture Motor Pool	1505 College Way	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Severe	Low
89	Cooling Plant #1	195 Hospital Dr	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
90	University Lofts	236 Bolivar Ave	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
91	Agriculture Science Center North	1100 S Limestone	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
92	Seed House	150 Hospital Dr	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
93	Ben Roach Cancer Care Facility	750 Rose St	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
94	Cooper House	1312 Nicholasville Rd	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
95	Champions Court I	344 S. Martin Luther King Blvd.	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
96	Combs Cancer Research Center	744 Rose St	Lexington	Fayette	LFUCG	Severe	Low	High	Low	High	Low	Low
97	E. S. Goodbarn	1451 University Dr	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
98	Whitney-Hendrickson Cancer Facility for Women (Pavilion WH)	740 Rose St	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
99	Gluck Equine Research Bldg	1400 Nicholasville Rd	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
100	Haggin Hall	325 Huguelet Dr	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	High	Low
101	Reynolds Warehouse #1	349 Scott St	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
102	Reynolds Warehouse #2	351 Scott St	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
103	Reynolds Warehouse #3	347 Scott St	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	High	Low
104	Woodland Glen I	720 Woodland Ave	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	High	Low
105	Commonwealth Village #2	1435 Nicholasville Rd	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
106	Commonwealth Village #1	1435 Nicholasville Rd	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
107	Mining & Minerals Research Bldg	504 Rose St	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	High	Low

Building ID	Building Name	Address	City	County	Area Development District (ADD)/Local Hazard Mitigation Plan	Exposure Score	Hazard Scores					
							Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire
108	Robotics Facility	143 Graham Ave	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
109	Wendell & Vickie Bell Soccer Complex	550 Wildcat Ct	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Severe	Low
110	Maintenance Bldg (Athletics)	704 Sports Center Dr	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Severe	Low
113	Shively Sports Center	712 Sports Center Dr	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Severe	Low
116	Seigler Hall (UAV Shed)	Hedger Ln	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
117	Soccer Filming Tower	570 Wildcat Ct	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Severe	Low
118	Fraternity House Storage	454 Hilltop Ave	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	High	Low
119	Helen King Alumni Building	400 Rose St	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Severe	Low
120	Woodland Glen II	650 Woodland Ave	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	High	Low
121	Sigma Nu Fraternity	422 Rose Ln	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	High	Low
122	Delta Gamma Sorority	450 Pennsylvania Ave	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	High	Low
123	Champions Court II	326 S Martin Luther King Blvd	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
124	Delta Zeta Sorority	319 Columbia Ter	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	High	Low
125	Kappa Alpha Theta Sorority	329 Columbia Ter	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	High	Low
126	Phi Delta Theta Fraternity	327 Columbia Ter	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	High	Low
127	Alpha Gamma Delta Sorority	325 Columbia Ter	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	High	Low
128	Kappa Delta Sorority	323 Columbia Ter	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	High	Low
129	Delta Sigma Phi Fraternity	321 Columbia Ter	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	High	Low
137	Alpha Gamma Rho Fraternity	419 Huguelet Dr	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	High	Low
138	Phi Sigma Kappa Fraternity	439 Huguelet Dr	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	High	Low
139	The 90	440 Hilltop Ave	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	High	Low
141	New Farmhouse Fraternity	456 Rose Ln	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	High	Low
143	Blanding II	763 Woodland Ave	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	High	Low
144	Blanding III	765 Woodland Ave	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	High	Low
145	Blanding Tower	769 Woodland Ave	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	High	Low
146	Blanding IV	767 Woodland Ave	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Severe	Low

Building ID	Building Name	Address	City	County	Area Development District (ADD)/Local Hazard Mitigation Plan	Exposure Score	Hazard Scores					
							Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire
147	Complex Commons	770 Woodland Ave	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Severe	Low
148	Kirwan IV	756 Woodland Ave	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Severe	Low
149	Kirwan Tower	758 Woodland Ave	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	High	Low
150	Kirwan III	754 Woodland Ave	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	High	Low
151	Kirwan II	752 Woodland Ave	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	High	Low
152	Kirwan I	750 Woodland Ave	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	High	Low
153	Blanding I	761 Woodland Ave	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	High	Low
154	Head House	150 Hospital Dr	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
155	Greenhouse No 2	150 Hospital Dr	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
156	Greenhouse No 4	150 Hospital Dr	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
157	Greenhouse No 7	150 Hospital Dr	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
158	Greenhouse No 5	150 Hospital Dr	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
159	Greenhouse No 3	150 Hospital Dr	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
160	Greenhouse No 1	150 Hospital Dr	Lexington	Fayette	LFUCG	Moderate	Low	High	Low	Low	Low	Low
161	Greenhouse No 9	150 Hospital Dr	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
162	Greenhouse No 11	150 Hospital Dr	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
163	Greenhouse No 6	150 Hospital Dr	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
164	Greenhouse No 12	150 Hospital Dr	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
165	106 Conn Terrace	106 Conn Terrace	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
166	Gatehouse Administration Dr.	520 S Limestone	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
167	Gatehouse Rose & Chem/Physics	525 Rose St	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	High	Low
168	Motor Pool Storage Shed	1505 College Way	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Severe	Low
170	Gatehouse Student Center	200 Avenue of Champions	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
172	Alpha Gamma Rho Fraternity (AGR)	470 Rose Lane	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	High	Low
173	Gatehouse Med Plaza	140 Huguelet Dr	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
174	Academic Science Building	305 Huguelet Dr	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low

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							Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire
175	Gatehouse Med Plaza	140 Huguelet Dr	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
176	Gatehouse KY Clinic	140 Huguelet Dr	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
177	Residence Motor Pool	1510 College Way	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Severe	Low
178	Gatehouse Young Library	449 Hilltop Ave	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	High	Low
180	113 State St	113 State St	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
181	Woodland Glen III	685 Sports Center Dr	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	High	Low
182	Isolation Barn Incinerator	1525 College Way	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Severe	Low
183	Isolation Barn	1531 College Way	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Severe	Low
184	Agricultural Machine Research Lab	411 Stadium View	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Severe	Low
185	Garage by Motor Pool Residence	1510 College Way	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Severe	Low
186	Woodland Glen IV	703 Sports Center Dr	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Severe	Low
187	Bus Shelter #5(Stadium Blue Lot)	1540 University Dr	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
188	Woodland Glen V	693 Sports Center Dr	Lexington	Fayette	LFUCG	Moderate	Low	High	Low	Low	High	Low
189	Shawneetown Bldg A	1608 University Ct Apts A101-A315	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Moderate
190	Shawneetown Bldg B	1608 University Ct Apts B101-B313	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Moderate
191	Shawneetown Bldg D	1608 University Ct Apts D101-D313	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Moderate
192	Shawneetown Bldg F	1608 University Ct Apts F101-F313	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Moderate
193	Shawneetown Bldg E	1608 University Ct Apts E101-E315	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Moderate
194	Shawneetown Bldg C	1608 University Ct Apts C101-C315	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Moderate
196	Stoll Field Viewing Tower	180 Avenue of Champions	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
197	Parking Garage No 1	1290 Veterans Dr	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
198	Parking Garage No 2	301 Hilltop Ave	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	High	Low
199	Parking Garage No 3	140 Huguelet Dr	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
200	Wethington Allied Health Building	900 S Limestone	Lexington	Fayette	LFUCG	Severe	Low	High	Low	High	High	Low

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							Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire
202	Parking Garage No 5	409 S Limestone	Lexington	Fayette	LFUCG	Moderate	Low	High	Low	Low	Low	Low
203	1037 South Limestone St	1037 South Limestone St	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
204	Cooling Plant #2	591 S Upper St	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
205	Phi Mu (Greek Park)	462 Rose Lane	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	High	Low
207	Arts Metal Bldg	357 Scott St	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
210	Reynolds Warehouse No 4	355 Scott St	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
211	Maxwell Place Garage	475 Rose St	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	High	Low
212	Lancaster Aquatics	416 Complex Dr	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Severe	Low
213	Boone Tennis Center	454 Complex Dr	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Severe	Low
214	Flammable Storage Bldg	148 Graham Ave	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
215	Garrigus (W.P.) Bldg	325 Cooper Dr	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
216	Multi-Disciplinary Research Lab No 3	700 S Limestone	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
217	Electric Substation #2	587 S Upper St	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
219	Seaton Center	1210 University Dr	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Severe	Low
220	Bernard Johnson Student Rec Ctr	430 Complex Dr	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Severe	Low
222	Commonwealth Stadium	1540 University Dr	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
223	Warren Wright Medical Plaza	745 Rose St	Lexington	Fayette	LFUCG	Severe	Low	High	Low	High	Low	Low
224	Lucille Caudill Little Fine Arts Library	160 Patterson Dr	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	High	Low
225	Morgan (T H) Biological Sciences	675 Rose St	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	High	Low
227	Recreation Equipment Storage Bldg	452 Complex Dr	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Severe	Low
229	Agricultural Distribution Center	412 Stadium View	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Severe	Low
230	Sanders-Brown Gerontology Center	800 S Limestone	Lexington	Fayette	LFUCG	Severe	Low	High	Low	High	Low	Low
231	Farm Maintenance Storage Shed	1521 College Way	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Severe	Low
232	Nursing Learning Center	751 Rose St	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
235	John W Oswald Bldg	460 Cooper Dr	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Severe	Low
236	Tobacco & Health Research Institute	1401 University Dr	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
240	468 Rose Ln	468 Rose Ln	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	High	Low
241	Singletary Center for the Arts	405 Rose St	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	High	Low

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							Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire
243	Greg Page Apartments 1	300 Alumni Dr	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Moderate
244	Greg Page Apartments 2	300 Alumni Dr	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Moderate
245	Greg Page Apartments 3	300 Alumni Dr	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Moderate
246	Greg Page Apartments 4	300 Alumni Dr	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Moderate
247	Greg Page Apartments 5	300 Alumni Dr	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Moderate
248	Greg Page Apartments 6	300 Alumni Dr	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Moderate
249	Greg Page Apartments 7	300 Alumni Dr	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Moderate
250	Greg Page Apartments 8	300 Alumni Dr	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Moderate
252	Greg Page Apartments 10	300 Alumni Dr	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Moderate
253	Greg Page Apartments 11	300 Alumni Dr	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Moderate
254	Greg Page Apartments 12	300 Alumni Dr	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Moderate
255	Greg Page Apartments 13	300 Alumni Dr	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Moderate
256	Greg Page Apartments 14	300 Alumni Dr	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Moderate
257	Greg Page Apartments 15	300 Alumni Dr	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Moderate
258	Greg Page Apartments 16	300 Alumni Dr	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Moderate
259	Greg Page Apartments 17	300 Alumni Dr	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Moderate
260	Greg Page Apartments 18	300 Alumni Dr	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Moderate
261	Greg Page Apartments 19	300 Alumni Dr	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Moderate
262	Greg Page Apartments 20	300 Alumni Dr	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Moderate
263	Greg Page Apartments 21	300 Alumni Dr	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Moderate
264	Greg Page Apartments 22	300 Alumni Dr	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Moderate
265	Greg Page Apartments 23	300 Alumni Dr	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Moderate
266	Greg Page Apartments 24	300 Alumni Dr	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Moderate
267	Greg Page Apartments 25	300 Alumni Dr	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Moderate
268	Greg Page Food Storage Laundry Suite 213	300 Alumni Dr	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Moderate
269	Communications Building	430 Stadium View	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Severe	Low
272	Information Building (Ticket Booth)	1510 University Dr	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
274	Moloney Building (BCTC)	450 Cooper Dr	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Severe	Low
275	Bruce Poundstone Regulatory Services Bldg	1600 University Ct	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low

Building ID	Building Name	Address	City	County	Area Development District (ADD)/Local Hazard Mitigation Plan	Exposure Score	Hazard Scores					
							Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire
276	Barnhart Building (C.E. Barnhart)	1398 Nicholasville Rd	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
277	Nutter Football Training Facility	720 Sports Center Dr	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Severe	Low
278	PPD Storage Bldg	435 Stadium View	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Severe	Low
279	BIRP Building	460 Stadium View	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Severe	Low
280	The Football Training Facility	295 Alumni Drive	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
281	Oliver H. Raymond Civil Engineering	508 Administration Dr	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
282	Gas Storage Bldg. M&M	390 Columbia Ave	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	High	Low
283	Hagan Baseball Stadium	700 Sports Center Dr	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Severe	Low
284	Kentucky Clinic	740 S Limestone	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
285	Nutter Field House	1401 Sports Center Dr	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Severe	Low
286	ASTeCC	145 Graham Ave	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	High	Low
287	Electric HVAC Bldg	425 Stadium View	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Severe	Low
288	PPD Greenhouse	455 Stadium View	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Severe	Low
289	Hazardous Waste Storage	475 Stadium View	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Severe	Low
293	UK Hospital-Chandler Medical Center & Hospital	800 Rose St	Lexington	Fayette	LFUCG	Severe	Low	High	Low	High	Low	Low
294	Gill Heart Institute (Pavilion G)	842 Rose St	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
297	Dental Science Bldg	800 Rose St	Lexington	Fayette	LFUCG	Severe	Low	High	Low	High	Low	Low
298	William R. Willard Medical Education Bldg	800 Rose St	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
300	Arboretum Tool Shed	510 Alumni Dr	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Severe	Low
301	154 Bonnie Brae/Rental	154 Bonnie Brae Dr	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
302	Arboretum Visitor Center	500 Alumni Dr	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Severe	Low
303	Arboretum Restrooms	500 Alumni Dr	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Severe	Low
305	Health Sciences Research Bldg	1095 Veterans Dr	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Severe	Low	Low
308	HOSPITAL SMOKING SHL	0	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
312	Plant Science Building	1405 Veterans Dr	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
313	455 Woodland Ave	455 Woodland Ave	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	High	Low
314	Environmental Health and Safety	252 E Maxwell St	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low

Building ID	Building Name	Address	City	County	Area Development District (ADD)/Local Hazard Mitigation Plan	Exposure Score	Hazard Scores					
							Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire
315	KY Humanities Council	206 E Maxwell St	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
317	408 Pennsylvania Court	408 Pennsylvania Ct	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	High	Low
324	315 Scott St	315 Scott St	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
325	317 Scott St	317 Scott St	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
327	321 Scott St	321 Scott St	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
333	Appalachian Center Annex	641 S Limestone	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
336	Thomas D Clark Bldg	663 S Limestone	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
337	Thomas D Clark Bldg Garage	663 S Limestone	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
343	Bingham Davis House	218 E Maxwell St	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
344	Raymond F. Betts House	232 E Maxwell St	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
345	Max Kade German House	212 E Maxwell St	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
346	654 Maxwellton Ct	654 Maxwellton Ct	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	High	Low
347	Appalachian Center	624 Maxwellton Ct	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	High	Low
348	626 Maxwellton Ct	626 Maxwellton Ct	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	High	Low
349	School of Psychology Clinic	641 Maxwellton Ct	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	High	Low
350	Center on Drug and Alcohol Research	643 Maxwellton Ct	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	High	Low
351	J. Harris Phsychological Services	644 Maxwellton Ct	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	High	Low
353	520 Oldham Ct	520 Oldham Ct	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	High	Low
355	123 State St	123 State St	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
356	119 State St	119 State St	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
360	400 Pennsylvania Ct	400 Pennsylvania Ct	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	High	Low
361	402 Pennsylvania Ct	402 Pennsylvania Ct	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	High	Low
362	405 Pennsylvania Ct	405 Pennsylvania Ct	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	High	Low
363	406 Pennsylvania Ct	406 Pennsylvania Ct	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	High	Low
365	410 Pennsylvania Ct	410 Pennsylvania Ct	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	High	Low
377	319 Rose Ln	319 Rose Ln	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	High	Low
378	321 Rose Ln	321 Rose Ln	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	High	Low
381	162-164 Gazette Avenue	162 Gazette Ave	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low

Building ID	Building Name	Address	City	County	Area Development District (ADD)/Local Hazard Mitigation Plan	Exposure Score	Hazard Scores					
							Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire
382	Sky Blue Solar House	1313 Nicholasville Rd	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
386	150 Gazette Avenue	150 Gazette Ave	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
390	Bus Shelter #1-(Alumni Gym)	110 Avenue of Champions	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
391	Bus Shelter #2-(Rose & Euclid)	274 Avenue of Champions	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	High	Low
392	Bus Shelter #3-(Chem-Physics)	503 Rose St	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	High	Low
393	Bus Shelter #7-(Comer LCC & Red Lot)	440 Cooper Dr	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Severe	Low
394	Bus Shelter #6-(Agr Sci & Nicholasville Rd)	317 Cooper Dr	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
397	Bus Shelter #9-(at exit @ Shawneetown)	1608 University Ct	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Moderate
398	Bus Shelter #10-(at Taylor Educ.bldg)	599 S Upper St	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
399	Bus Shelter #11	639 S Limestone	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
400	Ellen H. Richards House	630 Maxwellton Ct	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	High	Low
401	Weldon House	635 Maxwellton Ct	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	High	Low
409	341-343 Scott Street	341-343 Scott Street	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
412	403 Pennsylvania Ct	403 Pennsylvania Ct	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	High	Low
413	Softball/Soccer Locker Rooms	556 Wildcat Ct	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Severe	Low
416	Bus Shelter #12-(Bldg.#3)	125 Washington Ave	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
417	Minority Affaris/Learning Service Center	660 S Limestone	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
418	Bus Shelter #4-(at Commonwealth)	1580 University Dr	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
419	Bus Shelter #13-(at Medical Center)	790 Rose St	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
420	Child Development Research Facility	424 Euclid Ave	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	High	Low
432	Commonwealth House	226 E Maxwell St	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
433	William E. and Casiana Schmidt Vocal Arts Center	412 Rose St	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	High	Low
442	Ligon House	658 S Limestone	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
446	John Cropp Softball Stadium	570 Wildcat Ct	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Severe	Low

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							Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire
447	Hitting Pavilion	558 Wildcat Ct	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Severe	Low
448	Football Storage Shed	710 Sports Center Dr	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Severe	Low
449	Shively Grounds Storage Bldg	708 Sports Center Dr	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Severe	Low
453	Shively Grounds Bldg	706 Sports Center Dr	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Severe	Low
456	W.T. Young Library	401 Hilltop Ave	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	High	Low
460	149 Transcript Ave	149 Transcript Ave	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
461	153 Transcript Ave	153 Transcript Ave	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
462	Limestone Park I	111 Avenue of Champions	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
463	Limestone Park II	329 South MLK Blvd	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
467	220 Transcript Ave	220 Transcript Ave	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
473	Biological Safety	505 Oldham Ct	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	High	Low
481	LCC Academic/Tech	470 Cooper Dr	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Severe	Low
482	408 Linden Walk	408 Linden Walk	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	High	Low
484	Real Properties Garage	518 Oldham Ct	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	High	Low
485	Boone Tennis Stadium	725 Sports Center Dr	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Severe	Low
487	Real Properties Office	518 Oldham Ct	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	High	Low
488	Woodland Early Learning Center	575 Woodland Ave	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	High	Low
489	Dental and Oral Health Research	1117 S Limestone	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
490	Environmental Quality Management	355 Cooper Dr	Lexington	Fayette	LFUCG	Moderate	Low	High	Low	Low	Low	Low
491	Ecological Research	1685 Russell Cave Rd	Lexington	Fayette	LFUCG	Moderate	Low	High	Low	Low	Low	Low
494	Career (Stuckert) Center	408 Rose St	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	High	Low
495	James F. Hardyman Communications Bldg	301 Rose St	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
503	Anderson Mechanical Engineering Building	506 Administration Dr	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
504	Sigma Chi Fraternity House	447 Pennsylvania Ave	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	High	Low
505	Alpha Tau Omega Fraternity	441 Pennsylvania Ave	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	High	Low

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							Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire
506	Robert Straus Behavioral Research Building	515 Oldham Ct	Lexington	Fayette	LFUCG	High	Low	High	Low	Moderate	High	Low
507	Sigma Alpha Epsilon Fraternity	410 Rose Ln	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	High	Low
509	Biomedical Biological Sciences Research Building (BBSRB)	741 S Limestone	Lexington	Fayette	LFUCG	Severe	Low	High	Low	High	Low	Low
514	Central Utility Plant #4	751 Press Ave	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
517	College of Medicine Learning Center	807 S Limestone	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
518	Biological/Biomedical Research Bldg Generator Bldg	761 Press Ave	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
564	630 S Broadway	630 S Broadway	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
565	Smith Hall	740 Woodland Ave	Lexington	Fayette	LFUCG	Moderate	Low	High	Low	Low	High	Low
566	Dale E Baldwin Bldg	701 Sports Center Dr	Lexington	Fayette	LFUCG	Moderate	Low	High	Low	Low	Severe	Low
567	Ingels Hall (Margaret)	705 Sports Center Dr	Lexington	Fayette	LFUCG	Moderate	Low	High	Low	Low	Severe	Low
568	David P. Roselle Hall	125 Avenue of Champions	Lexington	Fayette	LFUCG	Moderate	Low	High	Low	Low	Low	Low
571	Parking Garage No 6	721 Press Ave	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
572	Parking Garage No 7	721 Sports Center Dr	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Severe	Low
574	Center for Pharmaceutical Science & Technology	1575 McGrathiana Pkwy	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Moderate	Low
582	University Health Service (Student Health)	830 S Limestone	Lexington	Fayette	LFUCG	Moderate	Low	High	Low	Low	Low	Low
585	Baseball Training Pavillion	702 Sports Center Dr	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Severe	Low
592	Storage Shed	485 Stadium View	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Severe	Low
596	Bio-Pharm (BP)	789 S Limestone	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Severe	Low	Low
600	House	413 Pennsylvania Ct	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	High	Low
601	Parking Garage No 8	110 Transcript Ave	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
602	Patient Care Facility (Pavilion A)	1000 S Limestone	Lexington	Fayette	LFUCG	Severe	Low	High	Low	High	Low	Low
603	WUKY ANTENNA	0		Fayette	LFUCG	Severe	Low	High	Low	Low	High	Low
604	Joe Craft Center (Memorial Coliseum Addition)	338 Lexington Ave	Lexington	Fayette	LFUCG	Moderate	Low	High	Low	Low	Low	Low
607	788 Press Ave	788 Press Ave	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
608	792 Press Ave	792 Press Ave	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low

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							Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire
609	796 Press Ave	796 Press Ave	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
610	800 Press Ave	800 Press Ave	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
611	Good Samaritan Medical Office Building	125 E Maxwell St	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
612	Good Samaritan Chiller Building	320 S Limestone	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
613	Good Samaritan Parking Structure	330 S Limestone	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
616	Seaton Center Storage	1214 University Dr	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
617	118 Conn Terrace	118 Conn Terrace	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
618	MacAdam Student Observatory	538 Rose St	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	High	Low
619	102 Conn Terrace	102 Conn Ter	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
620	Aviary Facility	1689 Russell Cave Rd	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
621	Residence	104 Conn Ter	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
622	Residence	108 Conn Ter	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
623	Residence	110 Conn Ter	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
624	Residence	120 Conn Ter	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
625	Offices	1105 S Limestone	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
626	Residence	1119 S Limestone	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
630	Air Medical Crew Quarters	1529 College Way	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Severe	Low
633	Davis Marksbury Building	329 Rose St	Lexington	Fayette	LFUCG	Moderate	Low	High	Low	Low	Low	Low
634	UK/Lemark Ctr for Innovation in Math & Science Education	1737 Russell Cave Rd	Lexington	Fayette	LFUCG	Moderate	Low	High	Low	Low	Low	Low
635	Maintenance Building	1749 Russell Cave Rd	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
636	Apartments	411 Pennsylvania Ct	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	High	Low
637	Apartments	1041 S Limestone	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Severe	Low
639	Apartments	1045 S Limestone	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
641	Apartments	409 Pennsylvania Ct	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	High	Low
644	Wildcat Coal Lodge (new construction)	318 College View Ave	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
645	179 Leader Ave	179 Leader Ave	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
646	404 Pennsylvania Ct	404 Pennsylvania Ct	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	High	Low
647	213 Transcript Ave	213 Transcript Ave	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low

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							Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire
648	221 Transcript Ave	221 Transcript Ave	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
649	217 Transcript Ave	217 Transcript Ave	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
651	Mandrell Hall	635 S Limestone St	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
652	Bosworth Hall	631 S. Limestone St	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
653	Sanders Hall	629 S Limestone St	Lexington	Fayette	LFUCG	Moderate	Low	High	Low	Low	Low	Low
654	Building 100	625 S Limestone St, Bldg 100	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
655	Building 200	625 S Limestone St, Bldg 200	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
656	Building 300	625 S Limestone St, Bldg 300	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
657	Building 400	621 S Limestone St	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
658	Maintenance Bldg.	627 Maxwellton Ct	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	High	Low
659	Gas Building	623 Maxwellton Ct	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	High	Low
660	Maxwelton Ct. Apts #1	633 Maxwellton Ct., Apts #1	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	High	Low
661	Maxwelton Ct. Apts #2	633 Maxwellton Ct., Apts #2	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	High	Low
662	Maxwelton Ct. Apts #3	633 Maxwellton Ct., Apts #3	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	High	Low
663	Maxwelton Ct. Apts #4	633 Maxwellton Ct., Apts #4	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	High	Low
664	Maxwelton Ct. Apts #5	633 Maxwellton Ct., Apts #5	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	High	Low
665	Maxwelton Ct. Apts #6	633 Maxwellton Ct., Apts #6	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	High	Low
666	Maxwelton Ct. Apts #7	633 Maxwellton Ct., Apts #7	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	High	Low
667	Maxwelton Ct. Apts #8	633 Maxwellton Ct., Apts #8	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	High	Low
668	Maxwelton Ct. Apts #9	633 Maxwellton Ct., Apts #9	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	High	Low
669	Maxwelton Ct. Apts #10	633 Maxwellton Ct., Apts #10	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	High	Low
670	Maxwelton Ct. Apts #11	633 Maxwellton Ct., Apts #11	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	High	Low

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							Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire
671	Maxwelton Ct. Apts #12	633 Maxwelton Ct., Apts #12	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	High	Low
672	Maxwelton Ct. Apts #13	633 Maxwelton Ct., Apts #13	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	High	Low
673	Maxwelton Ct. Apts #14	633 Maxwelton Ct., Apts #14	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	High	Low
674	Maxwelton Ct. Apts #15	633 Maxwelton Ct., Apts #15	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	High	Low
675	Maxwelton Ct. Apts #16	633 Maxwelton Ct., Apts #16	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	High	Low
1200	Electric Substation #1	196 Hospital Dr	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
1201	Electric Substation #3	829 Press Ave	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
2059	AFBC Coal Prep Bldg-CAER	2540 Research Park Dr	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Moderate	Low
2060	Cold Storage Bldg-CAER	2540 Research Park Dr	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Moderate	Low
2061	Synthesis and Pitch Laboratory	2540 Research Park Dr	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Moderate	Low
2062	Gazebo-CAER	2540 Research Park Dr	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Moderate	Low
2063	Maintenance Bldg-CAER	2540 Research Park Dr	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Moderate	Low
2064	Industrial Support Facility	2540 Research Park Dr	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Moderate	Low
2065	Drying Pad-CAER	2540 Research Park Dr	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Moderate	Low
2067	Fiber Development Facility	2540 Research Park Dr	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Moderate	Low
2068	Mineral Processing Facility	2524 Research Park Dr	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Moderate	Low
2069	Algae Greenhouse	3414 Iron Works Pike	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Moderate	Low
2070	CAER Laboratory 2	2582 Research Park Dr	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Moderate	Low
2072	F-T Process Development Unit	2510 Research Park Dr	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Moderate	Low
2142	VA Medical Hospital	1101 Veterans Dr	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
2147	Rupp Arena	430 W Vine St	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
2255	ALBERT STEWART HOUSE	Highway 80	Hindman	Fayette	LFUCG	Low	Low	Low	Moderate	Low	Moderate	Severe

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							Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire
2301	Crisp Bldg/Challenger Learning Center	4810 Alben Barkley Dr	Paducah	Fayette	LFUCG	Moderate	Low	Severe	Severe	High	Low	Moderate
2302	Emerging Technology Center	4810 Alben Barkley Dr	Paducah	Fayette	LFUCG	Low	Low	Severe	Severe	High	Low	Moderate
2310	Crisp Building (former Pepsi Bottling Co.)	3000 Irvin Cobb Dr.	Paducah	Fayette	LFUCG	Low	Low	Severe	Severe	High	Moderate	High
2401	Bailey-Stumbo Building (UK Center for Rural Health)	750 Morton Blvd	Hazard	Fayette	LFUCG	Severe	Low	Low	Moderate	Low	Low	High
2500	KY Geological Survey (field Henderson)	1401 Corporate Park	Henderson	Fayette	LFUCG	Low	Low	Severe	Severe	Moderate	Moderate	High
2501	Henderson Garage	1401 Corporate Ct	Henderson	Fayette	LFUCG	Low	Low	Severe	Severe	Moderate	Moderate	High
3000	Coldstream Farm Floater	0	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Moderate	Low
3001	Coldstream Kiln	2788 Dairy Rd	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
3002	Vet Science Compost	2860 Becky Sue Lane	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Moderate	Low
3003	Poultry Research Facility-Coldstream Farm	2630 Dairy Rd	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Moderate	Low
3004	Picnic Pavilion @ Carnahan House	1701 Newtown Pike	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
3005	Horticulture Storage Barn-Coldstream Farm	3110 Becky Sue Ln	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Moderate	Low
3006	Vet Science Hoop Shed	2970 Becky Sue Ln	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Moderate	Low
3007	Horticulture Storage Barn-Coldstream Farm	3100 Becky Sue Ln	Lexington	Fayette	LFUCG	Moderate	Low	High	Low	Low	Moderate	Low
3016	Dry Cow Shed-Coldstream Farm	3331 Dairy Rd	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Moderate	Low
3017	Round Bale Storage	2980 Becky Sue Ln	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Moderate	Low
3031	Aluminum Research Bldg	1505 Bull Lea Rd	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Moderate	Low
3100	Coldstream Farm Equipment Floater	1701 Newtown Pike	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
3115	Shop-Coldstream Farm	1701 Newtown Pike	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
3116	Apartment Garage-Coldstream Farm	1701 Newtown Pike	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
3117	Heifer Barn Dairy-Coldstream Farm	3354 Dairy Rd	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Moderate	Low
3118	Carnahan House	1550 Aristides Blvd	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Moderate	Low
3119	Swimming Pool & Plant	1701 Newtown Pike	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
3148	Swine Metal Storage	1701 Newtown Pike	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
3151	Pond Barn	1701 Newtown Pike	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low

Building ID	Building Name	Address	City	County	Area Development District (ADD)/Local Hazard Mitigation Plan	Exposure Score	Hazard Scores					
							Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire
3158	Dairy Herdsman House-Coldstream Farm	3450 Dairy Rd	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
3163	Lower Jersey Shed-Coldstream Farm	1701 Newtown Pike	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
3164	Lower Holstein Shed-Coldstream Farm	3362 Dairy Rd	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Moderate	Low
3165	Upper Holstein Shed-Coldstream Farm	3386 Dairy Rd	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Moderate	Low
3167	Feed Shed Dairy	3378 Dairy Rd	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Moderate	Low
3168	Dairy Maternity Barn-Coldstream Farm	3338 Dairy Rd	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Moderate	Low
3169	Dairy Hoop Shed	2810 Georgetown Rd	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
3170	Dairy Housing Research & Teaching Facility	3386 Dairy Rd	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Moderate	Low
3171	Field 21 Shed-Coldstream Farm	2863 Becky Sue Ln	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
3172	Goat Lot Shed-Coldstream Farm	2969 Becky Sue Ln	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Moderate	Low
3173	Lot 22 Shed-Coldstream Farm	2970 Becky Sue Ln	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Moderate	Low
3174	Animal Path Shed #3-Coldstream Farm	3031 Becky Sue Ln	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Moderate	Low
3175	Animal Path Shed #4-Coldstream Farm	3091 Becky Sue Ln	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Moderate	Low
3176	Horse Barn A-Coldstream Farm	2610 Spindletop Way	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Moderate	Low
3177	Animal Path Barn #10-Coldstream Farm	2880 Jet Pilot Way	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Moderate	Low
3178	Sheep House-Coldstream Farm	2830 Jet Pilot Way	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Moderate	Low
3179	Sheep House #2-Coldstream Farm	2790 Jet Pilot Way	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Moderate	Low
3180	Sheep House #3-Coldstream Farm	2750 Jet Pilot Way	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
3181	Sheep House #4-Coldstream Farm	2740 Jet Pilot Way	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
3182	Animal Path Barn - Coldstream Farm	2865 Jet Pilot Way	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Moderate	Low
3185	Dairy Office Classroom-Coldstream Farm	3394 Dairy Rd	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Moderate	Low
3186	Veterinary Diagnostic Laboratory	1490 Bull Lea Rd	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Moderate	Low
3192	Dairy Round House-Coldstream Farm	1701 Newtown Pike	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low

Building ID	Building Name	Address	City	County	Area Development District (ADD)/Local Hazard Mitigation Plan	Exposure Score	Hazard Scores					
							Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire
3198	Dairy Calf Barn	3346 Dairy Rd	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Moderate	Low
3199	Dairy Managers House	3440 Dairy Rd	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Moderate	Low
3200	Maine Chance Farm Floater	0	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
3201	House Old Office	1909 Research Farm Rd	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
3202	Horse Barn 1 MO-Maine Chance	1925 Research Farm Rd	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
3203	House MO-Maine Chance	1955 Research Farm Rd	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
3204	Climate Change Study	2441 Equine Campus Rd	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Moderate	Low
3206	Barn 5 - Communications Building	2470 Equine Campus Rd	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Moderate	Low
3210	Rain Study Shed	2660 Equine Campus Rd	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Moderate	Low
3211	House MO-Maine Chance	2441 Equine Campus Rd	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Moderate	Low
3212	Garage MO-Maine Chance	2099 Newtown Pike	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
3213	Barn 8 Sheep-Maine Chance	2454 Beaugay Ln	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
3214	Rain Simulator Lab	2660 Equine Campus Rd	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Moderate	Low
3215	Run In Shed #4	1995 Research Farm Rd	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Moderate	Low
3216	House -Maine Chance	2362 Equine Campus Rd	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Moderate	Low
3217	Horse Barn 11-Maine Chance	2346 Equine Campus Rd	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Moderate	Low
3218	Run In Shed #7	2660 Equine Campus Rd	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Moderate	Low
3219	Horse Barn 9-Maine Chance	2585 Jet Pilot Way	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
3220	Horse MO-Maine Chance	2150 Jet Pilot Way	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
3221	Garage MO-Maine Chance	2140 Jet Pilot Way	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
3222	Barn 5 M&O Storage-Maine Chance	2470 Equine Campus Rd	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Moderate	Low
3224	Horse Barn 3-Maine Chance	2008 Star Pilot Ln	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
3227	Barn 7 MO-Maine Chance	2546 Gorham Ln	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
3228	Utility Shed MO-Maine Chance	2099 Newtown Pike	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low

Building ID	Building Name	Address	City	County	Area Development District (ADD)/Local Hazard Mitigation Plan	Exposure Score	Hazard Scores					
							Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire
3230	House MO-Maine Chance	2528 Gorham Ln	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
3233	Horse Run in Shed-Maine Chance	2099 Newtown Pike	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
3234	Horse Farm Mgr Res-Maine Chance	2650 Equine Campus Rd	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
3236	Horse Run in Shed-Maine Chance	2099 Newtown Pike	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
3237	Horse Run in Shed-Maine Chance	2099 Newtown Pike	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
3238	Stud Barn-Maine Chance	2660 Equine Campus Rd	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Moderate	Low
3239	Receiving Barn-Maine Chance	2642 Equine Campus Rd	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Moderate	Low
3240	Shop & Storage Area-Maine Chance	2325 Turner Pl	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
3241	Farm Service Center-Maine Chance	2349 Turner Pl	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
3242	Storage Bldg-Maine Chance	2317 Turner Pl	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
3243	Auto Body Shop-Maine Chance	2355 Turner Pl	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
3245	Run In Shed #5	2660 Equine Campus Rd	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Moderate	Low
3246	Run In Shed #6	1995 Research Farm Rd	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Moderate	Low
3249	Pony Shed	2673 Jet Pilot Way	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
3250	Garage-Maine Chance	2397 Turner Pl	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
3255	Storage Bldg-Maine Chance	1945 Research Farm Rd	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
3258	Barn C Shed	2611 Fascinator Lane	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
3259	Horse Corral Vet Science-Maine Chance	2354 Equine Campus Rd	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Moderate	Low
3260	Equine Nutritional - Maine Chance	2000 Star Pilot Ln	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
3261	Pole Shed Bale Storage-Maine Chance	2730 Jet Pilot Way	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
3280	Shaving Storage	2099 Newtown Pike	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
3283	Storage Building	2099 Newtown Pike	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
3285	AG Vet Science	2099 Newtown Pike	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
3286	Vet Science Office	2322 Equine Campus Rd	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Moderate	Low
3287	Dwelling Mobile Hole	2415 Turner Place	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low

Building ID	Building Name	Address	City	County	Area Development District (ADD)/Local Hazard Mitigation Plan	Exposure Score	Hazard Scores					
							Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire
3288	Isolation Barn #1	2801 Roxie Lane	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Moderate	Low
3289	Isolation Barn #2	2808 Roxie Lane	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Moderate	Low
3290	AG Hoop Shed #4	2099 Newtown Pike	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
3291	FEP Storage Bldg.	1995 Research Farm Rd	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Moderate	Low
3292	Equine Teaching Pavilion-Main Chance	2011 Star Pilot Ln	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
3293	MC/DOT Storage	1965 Research Farm Rd	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
3294	Communication Shed	2099 Newtown Pike	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
3295	MC Storage #2	1975 Research Farm Rd	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Moderate	Low
3300	Spindletop Farm Floater	0	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Moderate	Low
3301	House Spindletop	3250 Iron Works Pike	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Moderate	Low
3304	House -Spindletop	3250 Iron Works Pike	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
3305	MRLS Shed	3250 Iron Works Pike	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
3306	Horse Corral #3	2715 Spindletop Way	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Moderate	Low
3307	Agronomy-Greenhouse-Spindletop	3250 Iron Works Pike	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
3308	Agronomy-Greenhouse #3-Spindletop	2922 Spindletop Way	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Moderate	Low
3309	Storage Bldg-Spindletop	2367 Tim Tam Tri	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Moderate	Low
3310	Horse Barn C-Spindletop	2603 Fascinator Ln	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
3311	Horse Barn B-Spindletop	2716 Spindletop Way	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Moderate	Low
3312	Spindletop Administration Building	2624 Research Park Dr	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Moderate	Low
3313	Small Animal Hospital	2786 Spindletop Way	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Moderate	Low
3315	Tobacco Barn-Spindletop	2785 Spindletop Way	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Moderate	Low
3316	Garage-Spindletop	3250 Iron Works Pike	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
3317	House -Spindletop	2791 Spindletop Way	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Moderate	Low
3319	House -Spindletop	2799 Spindletop Way	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Moderate	Low

Building ID	Building Name	Address	City	County	Area Development District (ADD)/Local Hazard Mitigation Plan	Exposure Score	Hazard Scores					
							Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire
3320	Garage-Spindletop	3250 Iron Works Pike	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
3321	House-Spindletop	2819 Spindletop Way	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Moderate	Low
3322	House -Spindletop	2829 Spindletop Way	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Moderate	Low
3323	Garage -Spindletop	3250 Iron Works Pike	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
3324	Garage -Spindletop	3250 Iron Works Pike	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
3325	House -Spindletop	2839 Spindletop Way	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Moderate	Low
3326	Garage-Spindletop	3250 Iron Works Pike	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
3327	House-Spindletop	2849 Spindletop Way	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Moderate	Low
3328	Walter W. Zent Mare Reproductive Health Facility	2870 Spindletop Way	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Moderate	Low
3329	Stallion Barn	2879 Spindletop Way	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Moderate	Low
3330	Old Spindletop Shop	3030 Boswell Ln	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Moderate	Low
3337	Isolation #2 Lab	Roxie Lane	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Moderate	Low
3339	Dwelling-Spindletop	2914 Spindletop Way	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Moderate	Low
3343	DLAR Storage Facility	2789 Spindletop Way	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Moderate	Low
3346	Isolation #1 Lab - Spindletop	2801 Roxie Lane	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Moderate	Low
3347	Isolation #1 Storage Bldg	2801 Roxie Lane	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Moderate	Low
3348	Forage Research Greenhouse	2922 Spindletop Way	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Moderate	Low
3349	Turf Center-Spindletop	3080 Shoshone Ln	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Moderate	Low
3350	Goat Barn-Spindletop	3070 Shoshone Ln	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Moderate	Low
3351	Vacant Dog Kennel-Spindletop	3250 Iron Works Pike	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
3352	Vacant Dog Kennel-Spindletop	3250 Iron Works Pike	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
3353	Grounds Office-Spindletop	3414 Iron Works Pike	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Moderate	Low
3354	Tennis Pro Shop-Spindletop	3414 Iron Works Pike	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Moderate	Low
3355	Tennis Pro Shop-Spindletop	3414 Iron Works Pike	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Moderate	Low
3357	Garage Apartments-Spindletop	3250 Iron Works Pike	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
3358	Mansion-Spindletop	3414 Iron Works Pike	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Moderate	Low

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							Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire
3359	Dressing Rooms-Spindletop	3414 Iron Works Pike	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Moderate	Low
3360	Recreation Bldg.-Spindletop	3414 Iron Works Pike	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Moderate	Low
3361	Pleasure Barn-Spindletop	3414 Iron Works Pike	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Moderate	Low
3364	Scale House-Spindletop	3250 Iron Works Pike	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
3365	Storge Bldg for 3362-Spindletop	3250 Iron Works Pike	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
3366	Storage Bldg-Spindletop	3088 Shoshone Ln	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Moderate	Low
3367	Equipt. Storage Bldg.-Spindletop	2919 Spindletop Way	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Moderate	Low
3368	Wheat Greenhouse Headhouse	2906 Spindletop Way	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Moderate	Low
3370	Council of State Governments	2780 Research Park Drive	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Moderate	Low
3371	Council of State Governments - Sprague Building	2760 Research Park Drive	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Moderate	Low
3372	Bath House-Spindletop	3414 Iron Works Pike	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Moderate	Low
3373	Tobacco Barn - Spindletop	2901 Spindletop Way	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Moderate	Low
3374	Crop Dryer Bldg.-Spindletop	2940 Agronomy Rd	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
3375	Field Lab-Spindletop	2951 Agronomy Rd	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Moderate	Low
3376	Climatological Lab-Spindletop	3250 Iron Works Pike	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
3377	Agronomy storage unit	2915 Spindletop Way	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Moderate	Low
3378	Animal Care Barn-Spindletop	3250 Iron Works Pike	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
3379	Foundation Seed Proc-Spindletop	2920 Agronomy Rd	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Moderate	Low
3380	Ag Engineering Barn-Spindletop	2540 Tim Tam Trl	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Moderate	Low
3381	KGS Core Library Carport	2500 Research Park Dr	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Moderate	Low
3382	CAER Laboratory 1	2540 Research Park Dr	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Moderate	Moderate	Low
3383	Chemical Storage Building-Spindletop	3250 Iron Works Pike	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
3384	Research Tobacco Barn-Spindletop	2530 Tim Tam Trl	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Moderate	Low
3385	Vet Science Dwelling	2595 Fascinator Ln	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
3386	Agronomy Equipment #4	2979 Agronomy Rd	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low

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							Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire
3387	Metal Curing Barn-Spindletop	2520 Tim Tam Tri	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
3388	Ag Machine Storage	2975 Agronomy Rd	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
3389	Agronomy Greenhouse-Spindletop	2908 Spindletop Way	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Moderate	Low
3390	Agronomy Pesticide Storage-Spindletop	2955 Agronomy Rd	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Moderate	Low
3391	Agronomy Fuel Storage Shed-Spindletop	2936 Spindletop Way	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Moderate	Low
3393	Mobile Home-Spindletop	2659 Fascinator Ln	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Moderate	Low
3394	Isolation #1 Generator Building	2801 Roxie Lane	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Moderate	Low
3395	Entomology Research Storage	3150 Boswell Ln	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Moderate	Low
3396	Pole Shed Bale Storage-Spindletop	2675 Fascinator Ln	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Moderate	Low
3399	Entomology Storage	3180 Boswell Ln	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Moderate	Low
3400	South Farm Floater	0	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
3402	South Farm Equipment Storage Shed	4321 Emmert Farm Ln	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
3403	South Farm Shop	4321 Emmert Farm Ln	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
3404	Hazardous Material Storage	4344 Emmert Farm Ln	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
3405	Organic Cooler Building	4344 Emmert Farm Ln	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
3406	Vegetable High Tunnel East	4344 Emmerts Farm Rd	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
3407	Vegetable High Tunnel West	4344 Emmerts Farm Rd	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
3412	High Tunnel Storage	4344 Emmerts Farm Rd	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
3413	New Implement Shed-South Farm	4321 Emmert Farm Ln	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
3422	Field Research Lab-South Farm	4321 Emmert Farm Ln	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
3423	Vet Science Isolation Bldg.-South Farm	4321 Emmert Farm Ln	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
3424	Vet Science Isolation Bldg.-South Farm	4321 Emmert Farm Ln	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
3425	Vet Science Isolation Bldg.-South Farm	4321 Emmert Farm Ln	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
3426	Vet Science Isolation Bldg.-South Farm	4321 Emmert Farm Ln	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
3427	Vet Science Isolation Bldg.-South Farm	4321 Emmert Farm Ln	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low

Building ID	Building Name	Address	City	County	Area Development District (ADD)/Local Hazard Mitigation Plan	Exposure Score	Hazard Scores					
							Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire
3428	Hay & Feed Storage Bldg.-South Farm	4321 Emmert Farm Ln	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
3429	Autopsy Lab/L Quarters-South Farm	4321 Emmert Farm Ln	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
3431	Hort Equipt Storage-South Farm	4321 Emmert Farm Ln	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
3434	Managers House-South Farm	4321 Emmert Farm Ln	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
3436	Headhouse	4321 Emmert Farm Ln	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
3437	Equipment Building #3	4321 Emmert Farm Ln	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
3501	Miller's Greenhouse	2910 Agronomy Rd	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Moderate	Low
3502	Seed Shed	3250 Iron Works Pike	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
3503	Agronomy Storage #2	2965 Agronomy Rd	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
3504	Hoop Shed 3	2775 Spindletop Way	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Moderate	Low
3506	Vet Science Run-In Shed	2971 Mildred Way	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Moderate	Low
3508	wheat Greenhouse	2902 Spindletop Way	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Moderate	Low
3510	Barn C Run-In Shed - Spindletop	3250 Iron Works Pike	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
3617	Mycology Building (Alexandria @ Leestown Rd)	300 Alexandria Dr	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
3700	Woodford Farm Floater	0	Versailles	Woodford	BGADD	Severe	Low	High	Low	Low	Low	Low
3701	Woodford Co. Pesticide Storage #1	1171 Midway Rd	Versailles	Woodford	BGADD	Low	Low	High	Low	Low	Low	Low
3720	Tenant House 1-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	High	Low	High	Low	Low	Low	Low
3721	Vet Science Run-In Shed ARC	1171 Midway Rd	Versailles	Woodford	BGADD	Low	Low	High	Low	Low	Low	Low
3740	Tenant House 2-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	Low	Low	High	Low	Low	Low	Low
3741	Tenant House 3-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	Low	Low	High	Low	Low	Low	Low
3742	Foaling Barn-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	High	Low	High	Low	Low	Low	Low
3743	Stone House	1171 Midway Rd	Versailles	Woodford	BGADD	High	Low	High	Low	Low	Low	Low
3744	Swine Manure Electric Building	1171 Midway Rd	Versailles	Woodford	BGADD	Low	Low	High	Low	Low	Low	Low
3780	Corn Barn-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	High	Low	High	Low	Low	Low	Low
3781	Tobacco Barn #1-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	High	Low	High	Low	Low	Low	Low

Building ID	Building Name	Address	City	County	Area Development District (ADD)/Local Hazard Mitigation Plan	Exposure Score	Hazard Scores					
							Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire
3783	Old Utility Shed-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	Severe	Low	High	Low	Low	Low	Low
3786	Tobacco Barn -C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	High	Low	High	Low	Low	Low	Low
3788	Toabcco Barn 3-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	High	Low	High	Low	Low	Low	Low
3789	Tenants House 5-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	High	Low	High	Low	Low	Low	Low
3790	Tenants House 6-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	High	Low	High	Low	Low	Low	Low
3791	Stucco Cattle Barn 2-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	High	Low	High	Low	Low	Low	Low
3792	Tobacco Barn #4	1171 Midway Rd	Versailles	Woodford	BGADD	High	Low	High	Low	Low	Low	Low
3793	Tobacco Barn #5	1171 Midway Rd	Versailles	Woodford	BGADD	High	Low	High	Low	Low	Low	Low
3794	Stucco Duplex 2-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	Low	Low	High	Low	Low	Low	Low
3850	Scale Shed	1141 Midway Rd	Versailles	Woodford	BGADD	Low	Low	High	Low	Low	Low	Low
3852	Manager House-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	Low	Low	High	Low	Low	Low	Low
3860	Yearling Barn 2-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	High	Low	High	Low	Low	Low	Low
3861	Beef Herdsman House-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	Low	Low	High	Low	Low	Low	Low
3862	Stripping Room-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	Severe	Low	High	Low	Low	Low	Low
3864	WFC Office-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	Low	Low	High	Low	Low	Low	Low
3865	Beef Unit/Handling Fac-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	Low	Low	High	Low	Low	Low	Low
3866	Beef Unit/Nutrition Facility-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	Low	Low	High	Low	Low	Low	Low
3867	Beef Unit/Indiv. Pen Fac-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	Low	Low	High	Low	Low	Low	Low
3868	Beef Unit/Calan Fac-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	Low	Low	High	Low	Low	Low	Low
3869	Beef Unit/Intensive Rsch-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	High	Low	High	Low	Low	Low	Low
3871	Beef Unit/Composting Shed-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	Low	Low	High	Low	Low	Low	Low

Building ID	Building Name	Address	City	County	Area Development District (ADD)/Local Hazard Mitigation Plan	Exposure Score	Hazard Scores					
							Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire
3872	Beef Unit/Leaf Storage-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	Low	Low	High	Low	Low	Low	Low
3873	Beef Unit/Small Pen C12 FA-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	Low	Low	High	Low	Low	Low	Low
3874	Beef Unit/Heifer Dev-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	Low	Low	High	Low	Low	Low	Low
3875	Animal Handling Facility-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	Low	Low	High	Low	Low	Low	Low
3880	Sheep Pen Facility	1171 Midway Rd	Versailles	Woodford	BGADD	Low	Low	High	Low	Low	Low	Low
3882	Sheep Unit/Ser.Complex-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	Low	Low	High	Low	Low	Low	Low
3883	Sheep Sleeping Quarters	1171 Midway Rd	Versailles	Woodford	BGADD	Low	Low	High	Low	Low	Low	Low
3890	Swine Unit/Ser & Rec.-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	Low	Low	High	Low	Low	Low	Low
3891	Swine Unit/Headquarters-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	Low	Low	High	Low	Low	Low	Low
3892	Swine Unit/Nur. Complex-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	Low	Low	High	Low	Low	Low	Low
3893	Swine Unit/Finish-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	Low	Low	High	Low	Low	Low	Low
3894	Swine Unit/Boar Stud-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	Low	Low	High	Low	Low	Low	Low
3901	Hoop Storage #1	1141 Midway Rd	Versailles	Woodford	BGADD	Low	Low	High	Low	Low	Low	Low
3902	Hoop Storage #2	1141 Midway Rd	Versailles	Woodford	BGADD	Low	Low	High	Low	Low	Low	Low
3903	Hoop Storage 2003	1141 Midway Rd	Versailles	Woodford	BGADD	Low	Low	High	Low	Low	Low	Low
4501	Dining Hall	260 Camp Dr	Carlisle	Nicholas	BGADD	High	Low	High	Moderate	Low	Moderate	Severe
4502	Cabin 14	260 Camp Dr	Carlisle	Nicholas	BGADD	Low	Low	High	Moderate	Low	Moderate	Severe
4503	Bath House (Boys)	260 Camp Dr	Carlisle	Nicholas	BGADD	High	Low	High	Moderate	Low	Moderate	Severe
4504	Bath House (Girls)	260 Camp Dr	Carlisle	Nicholas	BGADD	High	Low	High	Moderate	Low	Moderate	Severe
4505	Cabin 5	260 Camp Dr	Carlisle	Nicholas	BGADD	High	Low	High	Moderate	Low	Moderate	Severe
4506	Cabin 6	260 Camp Dr	Carlisle	Nicholas	BGADD	High	Low	High	Moderate	Low	Moderate	Severe
4507	Cabin 7	260 Camp Dr	Carlisle	Nicholas	BGADD	High	Low	High	Moderate	Low	Moderate	Severe
4508	Caretakers House	260 Camp Dr	Carlisle	Nicholas	BGADD	High	Low	High	Moderate	Low	Moderate	Severe
4509	Cabin 8	260 Camp Dr	Carlisle	Nicholas	BGADD	High	Low	High	Moderate	Low	Moderate	Severe
4510	Cabin 4	260 Camp Dr	Carlisle	Nicholas	BGADD	High	Low	High	Moderate	Low	Moderate	Severe

Building ID	Building Name	Address	City	County	Area Development District (ADD)/Local Hazard Mitigation Plan	Exposure Score	Hazard Scores					
							Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire
4511	Cabin 11	260 Camp Dr	Carlisle	Nicholas	BGADD	High	Low	High	Moderate	Low	Moderate	Severe
4512	Cabin 12	260 Camp Dr	Carlisle	Nicholas	BGADD	High	Low	High	Moderate	Low	Moderate	Severe
4513	Cabin 13	260 Camp Dr	Carlisle	Nicholas	BGADD	High	Low	High	Moderate	Low	Moderate	Severe
4518	Cabin 19	260 Camp Dr	Carlisle	Nicholas	BGADD	High	Low	High	Moderate	Low	Moderate	Severe
4519	Cabin 20	260 Camp Dr	Carlisle	Nicholas	BGADD	High	Low	High	Moderate	Low	Moderate	Severe
4520	Cabin 21	260 Camp Dr	Carlisle	Nicholas	BGADD	High	Low	High	Moderate	Low	Moderate	Severe
4521	Cabin 22	260 Camp Dr	Carlisle	Nicholas	BGADD	High	Low	High	Moderate	Low	Moderate	Severe
4522	Cabin 1	260 Camp Dr	Carlisle	Nicholas	BGADD	High	Low	High	Moderate	Low	Moderate	Severe
4523	Cabin 2	260 Camp Dr	Carlisle	Nicholas	BGADD	High	Low	High	Moderate	Low	Moderate	Severe
4524	Cabin 3	260 Camp Dr	Carlisle	Nicholas	BGADD	High	Low	High	Moderate	Low	Moderate	Severe
4525	Cabin 10	260 Camp Dr	Carlisle	Nicholas	BGADD	High	Low	High	Moderate	Low	Moderate	Severe
4526	Cabin 23	260 Camp Dr	Carlisle	Nicholas	BGADD	High	Low	High	Moderate	Low	Moderate	Severe
4527	Cabin 9	260 Camp Dr	Carlisle	Nicholas	BGADD	High	Low	High	Moderate	Low	Moderate	Severe
4528	Filter House (and Pool)	260 Camp Dr	Carlisle	Nicholas	BGADD	High	Low	High	Moderate	Low	Moderate	Severe
4529	Sewage Pump System	260 Camp Dr	Carlisle	Nicholas	BGADD	High	Low	High	Moderate	Low	Moderate	Severe
4530	Cabin 15	260 Camp Dr	Carlisle	Nicholas	BGADD	Low	Low	High	Moderate	Low	Moderate	Severe
4531	Conference Building (Multi-purpose)	260 Camp Dr	Carlisle	Nicholas	BGADD	High	Low	High	Moderate	Low	Moderate	Severe
4532	Health & Administration	260 Camp Dr	Carlisle	Nicholas	BGADD	Low	Low	High	Moderate	Low	Moderate	Severe
4533	Bird Blind	260 Camp Dr	Carlisle	Nicholas	BGADD	Low	Low	High	Moderate	Low	Moderate	Severe
4534	Maintenance Building	260 Camp Dr	Carlisle	Nicholas	BGADD	Low	Low	High	Moderate	Low	Moderate	Severe
4535	Fishing Dock	260 Camp Dr	Carlisle	Nicholas	BGADD	Low	Low	High	Moderate	Low	Moderate	Severe
4537	Log Cabin	260 Camp Dr	Carlisle	Nicholas	BGADD	Low	Low	High	Moderate	Low	Moderate	Severe
4538	Outpost 1	260 Camp Dr	Carlisle	Nicholas	BGADD	Low	Low	High	Moderate	Low	Moderate	Severe
4539	Outpost 2	260 Camp Dr	Carlisle	Nicholas	BGADD	Low	Low	High	Moderate	Low	Moderate	Severe
4540	Shelter Bldg	260 Camp Dr	Carlisle	Nicholas	BGADD	Low	Low	High	Moderate	Low	Moderate	Severe
4541	Rifle Range	260 Camp Dr	Carlisle	Nicholas	BGADD	Low	Low	High	Moderate	Low	Moderate	Severe
4542	North Central 4-H Camp Floating Dock	260 Camp Dr	Carlisle	Nicholas	BGADD	Low	Low	High	Moderate	Low	Moderate	Severe
4543	Cabin 16	260 Camp Dr	Carlisle	Nicholas	BGADD	Low	Low	High	Moderate	Low	Moderate	Severe
4544	Cabin 17	260 Camp Dr	Carlisle	Nicholas	BGADD	Low	Low	High	Moderate	Low	Moderate	Severe
4545	Cabin 18	260 Camp Dr	Carlisle	Nicholas	BGADD	Low	Low	High	Moderate	Low	Moderate	Severe
4546	Outpost Shelter, North Central 4-H Camp	260 Camp Dr	Carlisle	Nicholas	BGADD	Low	Low	High	Moderate	Low	Moderate	Severe
4547	Outpost Shelter, North Central 4-H Camp	260 Camp Dr	Carlisle	Nicholas	BGADD	Low	Low	High	Moderate	Low	Moderate	Severe
4549	High Ropes Shelter	260 Camp Dr	Carlisle	Nicholas	BGADD	Low	Low	High	Moderate	Low	Moderate	Severe
4551	Storage #1	260 Camp Dr	Carlisle	Nicholas	BGADD	Low	Low	High	Moderate	Low	Moderate	Severe

Building ID	Building Name	Address	City	County	Area Development District (ADD)/Local Hazard Mitigation Plan	Exposure Score	Hazard Scores					
							Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire
4552	Archery Shelter	260 Camp Dr	Carlisle	Nicholas	BGADD	Low	Low	High	Moderate	Low	Moderate	Severe
4553	Paddle Boat Dock	260 Camp Dr	Carlisle	Nicholas	BGADD	Low	Low	High	Moderate	Low	Moderate	Severe
4602	Mens Cabin #12	380 J.M. Feltner Rd	London	Laurel	CVADD	High	Low	Low	Moderate	Low	Low	Severe
4603	Mens Cabin #13	380 J.M. Feltner Rd	London	Laurel	CVADD	High	Low	Low	Moderate	Low	Low	Severe
4605	Bath House Boys	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Low	Moderate	Low	Low	Severe
4606	Dining	380 J.M. Feltner Rd	London	Laurel	CVADD	High	Low	Low	Moderate	Low	Low	Severe
4607	Womens Cabin #1	380 J.M. Feltner Rd	London	Laurel	CVADD	High	Low	Low	Moderate	Low	Low	Severe
4608	Womens Cabin #2	380 J.M. Feltner Rd	London	Laurel	CVADD	High	Low	Low	Moderate	Low	Low	Severe
4609	Womens Cabin #3	380 J.M. Feltner Rd	London	Laurel	CVADD	High	Low	Low	Moderate	Low	Low	Severe
4610	Womens Cabin #4	380 J.M. Feltner Rd	London	Laurel	CVADD	High	Low	Low	Moderate	Low	Low	Severe
4611	Womens Cabin #5	380 J.M. Feltner Rd	London	Laurel	CVADD	High	Low	Low	Moderate	Low	Low	Severe
4612	Womens Cabin #7	380 J.M. Feltner Rd	London	Laurel	CVADD	High	Low	Low	Moderate	Low	Low	Severe
4613	Womens Cabin #8	380 J.M. Feltner Rd	London	Laurel	CVADD	High	Low	Low	Moderate	Low	Low	Severe
4614	Womens Cabin #9	380 J.M. Feltner Rd	London	Laurel	CVADD	High	Low	Low	Moderate	Low	Low	Severe
4615	Bath House Girls	380 J.M. Feltner Rd	London	Laurel	CVADD	High	Low	Low	Moderate	Low	Low	Severe
4618	Residence	380 J.M. Feltner Rd	London	Laurel	CVADD	High	Low	Low	Moderate	Low	Low	Severe
4619	Cabin 14	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Low	Moderate	Low	Low	Severe
4620	Shelter House	380 J.M. Feltner Rd	London	Laurel	CVADD	High	Low	Low	Moderate	Low	Low	Severe
4621	Girls Cabin #6	380 J.M. Feltner Rd	London	Laurel	CVADD	High	Low	Low	Moderate	Low	Low	Severe
4623	Paddle Boat Dock	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Low	Moderate	Low	Low	Severe
4625	Boys Cabin #16	380 J.M. Feltner Rd	London	Laurel	CVADD	High	Low	Low	Moderate	Low	Low	Severe
4626	Girls Cabin #10	380 J.M. Feltner Rd	London	Laurel	CVADD	High	Low	Low	Moderate	Low	Low	Severe
4627	Archery Storage	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Low	Moderate	Low	Low	Severe
4628	Amphitheater	380 J.M. Feltner Rd	London	Laurel	CVADD	High	Low	Low	Moderate	Low	Low	Severe
4629	Country Store	380 J.M. Feltner Rd	London	Laurel	CVADD	High	Low	Low	Moderate	Low	Low	Severe
4630	Staff Cabin	380 J.M. Feltner Rd	London	Laurel	CVADD	High	Low	Low	Moderate	Low	Low	Severe
4631	Maintenance Bldg	380 J.M. Feltner Rd	London	Laurel	CVADD	High	Low	Low	Moderate	Low	Low	Severe
4632	Bath House Swimming Pool	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Low	Moderate	Low	Low	Severe
4633	Girls Cabin #11	380 J.M. Feltner Rd	London	Laurel	CVADD	High	Low	Low	Moderate	Low	Low	Severe
4634	Rifle Range Shelter	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Low	Moderate	Low	Low	Severe

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							Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire
4636	Log Cabin 2 Story	380 J.M. Feltner Rd	London	Laurel	CVADD	High	Low	Low	Moderate	Low	Low	Severe
4637	Canoe Storage	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Low	Moderate	Low	Low	Severe
4639	Storage Building	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Low	Moderate	Low	Low	Severe
4641	Barbeque Shelter	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Low	Moderate	Low	Low	Severe
4642	Birdhouse	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Low	Moderate	Low	Low	Severe
4643	Boat Dock	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Low	Moderate	Low	Low	Severe
4645	Male Staff Mobile Home	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Low	Moderate	Low	Low	Severe
4646	Fishing Hut	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Low	Moderate	Low	Low	Severe
4647	Multiplex Modular Building	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Low	Moderate	Low	Low	Severe
4648	Cabin 15	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Low	Moderate	Low	Low	Severe
4649	Outpost Screened Shelter	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Low	Moderate	Low	Low	Severe
4650	Staff Trailer	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Low	Moderate	Low	Low	Severe
4651	Cabin of Tomorrow	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Low	Moderate	Low	Low	Severe
4700	Eden Shale Farm Floater	380 J.M. Feltner Rd	London	Laurel	CVADD	Severe	Low	Low	Moderate	Low	Low	Severe
4702	Tobacco Barn #1	245 Eden Shale Rd	Owenton	Owen	NKADD	High	Low	High	Low	Low	Low	Moderate
4703	HOUSE HERDSMAN #2	245 Eden Shale Rd	Owenton	Owen	NKADD	High	Low	High	Low	Low	Low	Moderate
4704	Heifer Barn #3	245 Eden Shale Rd	Owenton	Owen	NKADD	High	Low	High	Low	Low	Low	Moderate
4705	House Superintendent Dwelling #2	245 Eden Shale Rd	Owenton	Owen	NKADD	High	Low	High	Low	Low	Low	Moderate
4706	Dairy Barn #5	245 Eden Shale Rd	Owenton	Owen	NKADD	High	Low	High	Low	Low	Low	Moderate
4707	Cottage Dwelling #6	245 Eden Shale Rd	Owenton	Owen	NKADD	High	Low	High	Low	Low	Low	Moderate
4708	Tobacco Barn	245 Eden Shale Rd	Owenton	Owen	NKADD	High	Low	High	Low	Low	Low	Moderate
4709	Cattle Barn	245 Eden Shale Rd	Owenton	Owen	NKADD	High	Low	High	Low	Low	Low	Moderate
4710	Bull Lot Shed	245 Eden Shale Rd	Owenton	Owen	NKADD	Low	Low	High	Low	Low	Low	Moderate
4711	Shop	245 Eden Shale Rd	Owenton	Owen	NKADD	High	Low	High	Low	Low	Low	Moderate
4712	Sheep Barn	245 Eden Shale Rd	Owenton	Owen	NKADD	High	Low	High	Low	Low	Low	Moderate
4713	Barn #12	245 Eden Shale Rd	Owenton	Owen	NKADD	High	Low	High	Low	Low	Low	Moderate
4714	Tobacco Barn	245 Eden Shale Rd	Owenton	Owen	NKADD	High	Low	High	Low	Low	Low	Moderate
4715	Tobacco Barn	245 Eden Shale Rd	Owenton	Owen	NKADD	High	Low	High	Low	Low	Low	Moderate
4716	Tobacco Barn	245 Eden Shale Rd	Owenton	Owen	NKADD	High	Low	High	Low	Low	Low	Moderate

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							Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire
4717	House	245 Eden Shale Rd	Owenton	Owen	NKADD	High	Low	High	Low	Low	Low	Moderate
4718	SHED	245 Eden Shale Rd	Owenton	Owen	NKADD	High	Low	High	Low	Low	Low	Moderate
4719	Shed	245 Eden Shale Rd	Owenton	Owen	NKADD	High	Low	High	Low	Low	Low	Moderate
4721	Smoke House	245 Eden Shale Rd	Owenton	Owen	NKADD	High	Low	High	Low	Low	Low	Moderate
4727	Shed	245 Eden Shale Rd	Owenton	Owen	NKADD	High	Low	High	Low	Low	Low	Moderate
4728	Shed	245 Eden Shale Rd	Owenton	Owen	NKADD	High	Low	High	Low	Low	Low	Moderate
4729	Stripping Room	245 Eden Shale Rd	Owenton	Owen	NKADD	High	Low	High	Low	Low	Low	Moderate
4732	Garage & Office	245 Eden Shale Rd	Owenton	Owen	NKADD	High	Low	High	Low	Low	Low	Moderate
4733	Tobacco Barn	245 Eden Shale Rd	Owenton	Owen	NKADD	High	Low	High	Low	Low	Low	Moderate
4735	Horticulture Shed	245 Eden Shale Rd	Owenton	Owen	NKADD	High	Low	High	Low	Low	Low	Moderate
4737	Corn Crib 2	245 Eden Shale Rd	Owenton	Owen	NKADD	High	Low	High	Low	Low	Low	Moderate
4739	Greenhouse Furnace Room	245 Eden Shale Rd	Owenton	Owen	NKADD	High	Low	High	Low	Low	Low	Moderate
4740	Holding Scale Pen	245 Eden Shale Rd	Owenton	Owen	NKADD	High	Low	High	Low	Low	Low	Moderate
4741	Concrete Stave Silo	245 Eden Shale Rd	Owenton	Owen	NKADD	High	Low	High	Low	Low	Low	Moderate
4744	Corn Crib 3	245 Eden Shale Rd	Owenton	Owen	NKADD	High	Low	High	Low	Low	Low	Moderate
4745	Tool Room	245 Eden Shale Rd	Owenton	Owen	NKADD	Low	Low	High	Low	Low	Low	Moderate
4746	Storage Building	245 Eden Shale Rd	Owenton	Owen	NKADD	Low	Low	High	Low	Low	Low	Moderate
4747	HOOP SHED #2	245 Eden Shale Rd	Owenton	Owen	NKADD	Severe	Low	High	Low	Low	Low	Moderate
7700	Western KY 4-H Floater	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	NKADD	Severe	Low	Severe	Severe	Moderate	High	Severe
7701	Dining Hall & Office	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	Low	Severe	Severe	Moderate	High	Severe
7704	Shelter House	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	Low	Severe	Severe	Moderate	High	Severe
7705	Boys Bath House	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	Low	Severe	Severe	Moderate	High	Severe
7706	Cabin of Tomorrow	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	Low	Low	Severe	Severe	Moderate	High	Severe
7709	Maintenance Workshop	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	Low	Low	Severe	Severe	Moderate	High	Severe
7710	Storage Shed	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	Low	Severe	Severe	Moderate	High	Severe
7711	Storage Shed	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	Low	Severe	Severe	Moderate	High	Severe

Building ID	Building Name	Address	City	County	Area Development District (ADD)/Local Hazard Mitigation Plan	Exposure Score	Hazard Scores					
							Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire
7713	Nature House	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	Low	Severe	Severe	Moderate	High	Severe
7714	Recreation Metal Storage	600 Camp Rd	Dawson Springs	Caldwell & Hopkins	PeADD	Low	Low	Severe	Severe	Moderate	High	Severe
7715	Softball Shelter	600 Camp Rd	Dawson Springs	Caldwell & Hopkins	PeADD	Low	Low	Severe	Severe	Moderate	High	Severe
7718	Girls Bath House	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	Low	Severe	Severe	Moderate	High	Severe
7723	Boys Cottage	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	Low	Severe	Severe	Moderate	High	Severe
7724	Boys Cottage	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	Low	Severe	Severe	Moderate	High	Severe
7725	Boys Cottage	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	Low	Severe	Severe	Moderate	High	Severe
7726	Boys Cottage	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	Low	Severe	Severe	Moderate	High	Severe
7727	Boys Cottage	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	Low	Severe	Severe	Moderate	High	Severe
7728	Boys Cottage	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	Low	Severe	Severe	Moderate	High	Severe
7729	Boys Cottage	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	Low	Severe	Severe	Moderate	High	Severe
7730	Boys Cottage	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	Low	Severe	Severe	Moderate	High	Severe
7731	Boys Cottage	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	Low	Severe	Severe	Moderate	High	Severe
7732	Boys Cottage	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	Low	Severe	Severe	Moderate	High	Severe
7733	Boys Cottage	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	Low	Low	Severe	Severe	Moderate	High	Severe
7742	Girls Cottage	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	Low	Severe	Severe	Moderate	High	Severe
7745	Gate House	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	Low	Severe	Severe	Moderate	High	Severe
7746	Pool Bath House	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	Low	Severe	Severe	Moderate	High	Severe
7748	Boat Dock	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	Low	Low	Severe	Severe	Moderate	High	Severe
7753	Boat House	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	Low	Severe	Severe	Moderate	High	Severe
7757	Girls Cottage	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	Low	Severe	Severe	Moderate	High	Severe

Building ID	Building Name	Address	City	County	Area Development District (ADD)/Local Hazard Mitigation Plan	Exposure Score	Hazard Scores					
							Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire
7758	Girls Cottage	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	Low	Severe	Severe	Moderate	High	Severe
7759	Girls Cottage	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	Low	Severe	Severe	Moderate	High	Severe
7760	Girls Cottage	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	Low	Severe	Severe	Moderate	High	Severe
7761	Girls Cottage	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	Low	Severe	Severe	Moderate	High	Severe
7762	Girls Cottage	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	Low	Severe	Severe	Moderate	High	Severe
7763	Girls Cottage	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	Low	Severe	Severe	Moderate	High	Severe
7764	Girls Cottage	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	Low	Severe	Severe	Moderate	High	Severe
7765	Girls Cottage	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	Low	Severe	Severe	Moderate	High	Severe
7766	Girls Cottage	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	Low	Severe	Severe	Moderate	High	Severe
7768	Staff Cottage Girls	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	Low	Severe	Severe	Moderate	High	Severe
7770	Filter House	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	Low	Severe	Severe	Moderate	High	Severe
7771	Staff Cabin Boys	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	Low	Low	Severe	Severe	Moderate	High	Severe
7773	Multi-Purpose Building	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	Low	Low	Severe	Severe	Moderate	High	Severe
7774	Rifle Range Shelter	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	Low	Low	Severe	Severe	Moderate	High	Severe
7775	Country Store	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	Low	Low	Severe	Severe	Moderate	High	Severe
7777	Bird Blind	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	Severe	Low	Severe	Severe	Moderate	High	Severe
7779	Recreation Storage	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	Low	Low	Severe	Severe	Moderate	High	Severe
7781	Stg Bldg Challenge Course	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	Low	Low	Severe	Severe	Moderate	High	Severe
7783	Archery Range Storage	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	Low	Low	Severe	Severe	Moderate	High	Severe
7784	Horse Barn	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	Low	Low	Severe	Severe	Moderate	High	Severe
7785	West KY 4-H Camp Pavilion	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	Low	Low	Severe	Severe	Moderate	High	Severe

Building ID	Building Name	Address	City	County	Area Development District (ADD)/Local Hazard Mitigation Plan	Exposure Score	Hazard Scores					
							Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire
7800	West Ky Substation Floater	0	Princeton	Caldwell	PeADD	Severe	Low	Severe	Severe	High	Low	High
7801	Dwelling-Super	1205 Hopkinsville St	Princeton	Caldwell	PeADD	High	Low	Severe	Severe	High	Low	High
7802	Dwelling-Carpenter	1205 Hopkinsville St	Princeton	Caldwell	PeADD	High	Low	Severe	Severe	High	Low	High
7803	Dwelling-Animal Science	1205 Hopkinsville St	Princeton	Caldwell	PeADD	High	Low	Severe	Severe	High	Low	High
7804	Dwelling-Foreman	1205 Hopkinsville St	Princeton	Caldwell	PeADD	High	Low	Severe	Severe	High	Low	High
7805	Dwelling-Asst Foreman	1205 Hopkinsville St	Princeton	Caldwell	PeADD	High	Low	Severe	Severe	High	Low	High
7806	Dwelling-H. Eq. Operator	1205 Hopkinsville St	Princeton	Caldwell	PeADD	High	Low	Severe	Severe	High	Low	High
7807	Office & Service Bldg	1205 Hopkinsville St	Princeton	Caldwell	PeADD	High	Low	Severe	Severe	High	Low	High
7808	Greenhouse - Header House	1205 Hopkinsville St	Princeton	Caldwell	PeADD	High	Low	Severe	Severe	High	Low	High
7809	Tobacco Barn - Burley	1205 Hopkinsville St	Princeton	Caldwell	PeADD	High	Low	Severe	Severe	High	Low	High
7810	Dark Air Cure Barn	1205 Hopkinsville St	Princeton	Caldwell	PeADD	High	Low	Severe	Severe	High	Low	High
7811	Dark Fire Cure Barn	1205 Hopkinsville St	Princeton	Caldwell	PeADD	High	Low	Severe	Severe	High	Low	High
7812	Grain Crop Greenhouse	1205 Hopkinsville St	Princeton	Caldwell	PeADD	Low	Low	Severe	Severe	High	Low	High
7813	Chemical Storage Barn	1205 Hopkinsville St	Princeton	Caldwell	PeADD	High	Low	Severe	Severe	High	Low	High
7814	Fertilizer Storage Barn	1205 Hopkinsville St	Princeton	Caldwell	PeADD	High	Low	Severe	Severe	High	Low	High
7815	Heifer Barn	1205 Hopkinsville St	Princeton	Caldwell	PeADD	High	Low	Severe	Severe	High	Low	High
7816	Feed Processing Center	1205 Hopkinsville St	Princeton	Caldwell	PeADD	High	Low	Severe	Severe	High	Low	High
7817	Farrowing House #1	1205 Hopkinsville St	Princeton	Caldwell	PeADD	High	Low	Severe	Severe	High	Low	High
7818	Farrowing House #2	1205 Hopkinsville St	Princeton	Caldwell	PeADD	High	Low	Severe	Severe	High	Low	High
7819	Litter Test Shed	1205 Hopkinsville St	Princeton	Caldwell	PeADD	High	Low	Severe	Severe	High	Low	High

Building ID	Building Name	Address	City	County	Area Development District (ADD)/Local Hazard Mitigation Plan	Exposure Score	Hazard Scores					
							Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire
7820	Litter Test Shed	1205 Hopkinsville St	Princeton	Caldwell	PeADD	High	Low	Severe	Severe	High	Low	High
7821	Horse Barn/Store Shed	1205 Hopkinsville St	Princeton	Caldwell	PeADD	High	Low	Severe	Severe	High	Low	High
7822	Beef Cattle Barn - Silo	1205 Hopkinsville St	Princeton	Caldwell	PeADD	High	Low	Severe	Severe	High	Low	High
7823	Steer Feeding Barn	1205 Hopkinsville St	Princeton	Caldwell	PeADD	High	Low	Severe	Severe	High	Low	High
7824	Dark Fire Curing Barn	1205 Hopkinsville St	Princeton	Caldwell	PeADD	Low	Low	Severe	Severe	High	Low	High
7836	Beef Compost Shed	1205 Hopkinsville St	Princeton	Caldwell	PeADD	Low	Low	Severe	Severe	High	Low	High
7837	Farm Shop	1205 Hopkinsville St	Princeton	Caldwell	PeADD	High	Low	Severe	Severe	High	Low	High
7838	Calen Gates Shelter	1205 Hopkinsville St	Princeton	Caldwell	PeADD	Low	Low	Severe	Severe	High	Low	High
7839	Storage Barn - Pruitt	1205 Hopkinsville St	Princeton	Caldwell	PeADD	High	Low	Severe	Severe	High	Low	High
7840	Weed & Soil Science Storage	1205 Hopkinsville St	Princeton	Caldwell	PeADD	Low	Low	Severe	Severe	High	Low	High
7847	Long Silo #2	1205 Hopkinsville St	Princeton	Caldwell	PeADD	High	Low	Severe	Severe	High	Low	High
7848	Madison Silo #1	1205 Hopkinsville St	Princeton	Caldwell	PeADD	High	Low	Severe	Severe	High	Low	High
7851	Forage & Grain Dryer	1205 Hopkinsville St	Princeton	Caldwell	PeADD	High	Low	Severe	Severe	High	Low	High
7853	Garage - Heavy Equip Operator	1205 Hopkinsville St	Princeton	Caldwell	PeADD	High	Low	Severe	Severe	High	Low	High
7854	Garage - Carpenter	1205 Hopkinsville St	Princeton	Caldwell	PeADD	High	Low	Severe	Severe	High	Low	High
7855	Garage - Animal Science	1205 Hopkinsville St	Princeton	Caldwell	PeADD	High	Low	Severe	Severe	High	Low	High
7856	Garage - Superintendent	1205 Hopkinsville St	Princeton	Caldwell	PeADD	High	Low	Severe	Severe	High	Low	High
7858	Research & Ed Center	1205 Hopkinsville St	Princeton	Caldwell	PeADD	Low	Low	Severe	Severe	High	Low	High
7860	Grain Bin Dryer North	1205 Hopkinsville St	Princeton	Caldwell	PeADD	High	Low	Severe	Severe	High	Low	High
7861	Grain Bin Dryer South	1205 Hopkinsville St	Princeton	Caldwell	PeADD	High	Low	Severe	Severe	High	Low	High

Building ID	Building Name	Address	City	County	Area Development District (ADD)/Local Hazard Mitigation Plan	Exposure Score	Hazard Scores					
							Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire
7863	Stripping & Casing Building	1205 Hopkinsville St	Princeton	Caldwell	PeADD	Low	Low	Severe	Severe	High	Low	High
7864	Machinery Shed	1205 Hopkinsville St	Princeton	Caldwell	PeADD	Low	Low	Severe	Severe	High	Low	High
7866	Corn Crib Bin Shelter	1205 Hopkinsville St	Princeton	Caldwell	PeADD	Low	Low	Severe	Severe	High	Low	High
7867	Machinery Shed	1205 Hopkinsville St	Princeton	Caldwell	PeADD	Low	Low	Severe	Severe	High	Low	High
7869	Dark Fired Tobacco Research	1205 Hopkinsville St	Princeton	Caldwell	PeADD	Low	Low	Severe	Severe	High	Low	High
7870	Pesticide Storage	1205 Hopkinsville St	Princeton	Caldwell	PeADD	High	Low	Severe	Severe	High	Low	High
7871	Garage - AsSt Foreman	1205 Hopkinsville St	Princeton	Caldwell	PeADD	Low	Low	Severe	Severe	High	Low	High
7872	Machine Shed	1205 Hopkinsville St	Princeton	Caldwell	PeADD	Low	Low	Severe	Severe	High	Low	High
7874	Silo Concrete Stave	1205 Hopkinsville St	Princeton	Caldwell	PeADD	Low	Low	Severe	Severe	High	Low	High
7876	Excess Property Bldg	1205 Hopkinsville St	Princeton	Caldwell	PeADD	Low	Low	Severe	Severe	High	Low	High
7877	Ag Machinery Storage Shed	1205 Hopkinsville St	Princeton	Caldwell	PeADD	Low	Low	Severe	Severe	High	Low	High
7878	Pump Station	1205 Hopkinsville St	Princeton	Caldwell	PeADD	Low	Low	Severe	Severe	High	Low	High
7879	AS Machinery Storage shed	1205 Hopkinsville St	Princeton	Caldwell	PeADD	Severe	Low	Severe	Severe	High	Low	High
7880	Hay Storage	1205 Hopkinsville St	Princeton	Caldwell	PeADD	Low	Low	Severe	Severe	High	Low	High
7881	Storage Building #2/Orchard	1205 Hopkinsville St	Princeton	Caldwell	PeADD	Low	Low	Severe	Severe	High	Low	High
7882	Greenhouse/Plastic	1205 Hopkinsville St	Princeton	Caldwell	PeADD	Low	Low	Severe	Severe	High	Low	High
8002	KU Building	1 Quality St	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
8602	22728 Hwy 421 Ste 107	22728 Hwy 421 Ste 107	Hyden	Leslie	KRADD	Severe	Low	Low	Moderate	Low	Low	Severe
8610	Senior Citizens Bldg	Main St	Sandy Hook	Elliott	FIVCO	Severe	Low	Low	Low	Low	Low	Moderate
8632	UK Research Foundation	2130 P St NW St	Washington	Mason	BTADD	Severe	Low	Low	Low	Low	Low	Low
8633	Good Samaritan Hospital (UK Healthcare)	310 S Limestone	Lexington	Fayette	LFUCG	Severe	Low	High	Low	High	Low	Low
8634	3290 Blazer Pkwy	3290 Blazer Pkwy	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low

Building ID	Building Name	Address	City	County	Area Development District (ADD)/Local Hazard Mitigation Plan	Exposure Score	Hazard Scores					
							Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire
8648	121 Virginia Ave	121 Virginia Ave	Pineville	Bell	CVADD	Severe	Low	Low	High	Low	High	Severe
8649	478 Town Mountain Rd Pikeville	478 Town Mountain Rd	Pikeville	Pike	BSADD	Severe	Low	Low	Low	Low	Low	Severe
8650	59 Cowtown Rd	59 Cowtown Rd	Hindman	Knott	KRADD	Severe	Low	Low	Moderate	Low	Moderate	Severe
8654	313 Central St Harlan, Ky	313 Central St	Harlan	Harlan	CVADD	Severe	Low	Low	High	Low	Moderate	Severe
8656	Greenup Co. Hlth Dept	US Hwy 23	Greenup	Greenup	FIVCO	Severe	Low	Low	Moderate	High	Moderate	High
8659	1101 Main St	1101 Main St	Benton	Marshall	PADD	Severe	Low	Severe	Severe	High	Moderate	High
9000	Robinson Station Equip Floater	0	Jackson	Breathitt	KRADD	Severe	Low	Low	Low	Low	Low	Severe
9001	House	176 Robinson Rd	Jackson	Breathitt	KRADD	High	Low	Low	Low	Low	Moderate	Severe
9002	Market Shelter	3215 Quicksand Rd	Jackson	Breathitt	KRADD	Low	Low	Low	Low	Low	Moderate	Severe
9003	Barn	176 Robinson Rd	Jackson	Breathitt	KRADD	High	Low	Low	Low	Low	Moderate	Severe
9004	Warehouse	176 Robinson Rd	Jackson	Breathitt	KRADD	High	Low	Low	Low	Low	Moderate	Severe
9005	House Residence A #5	176 Robinson Rd	Jackson	Breathitt	KRADD	High	Low	Low	Low	Low	Moderate	Severe
9006	Plant Mechanical Center	176 Robinson Rd	Jackson	Breathitt	KRADD	Low	Low	Low	Low	Low	Moderate	Severe
9007	House Dwelling #7	176 Robinson Rd	Jackson	Breathitt	KRADD	High	Low	Low	Low	Low	Moderate	Severe
9008	House #8	176 Robinson Rd	Jackson	Breathitt	KRADD	High	Low	Low	Low	Low	Moderate	Severe
9009	House Dwelling B #9	176 Robinson Rd	Jackson	Breathitt	KRADD	High	Low	Low	Low	Low	Moderate	Severe
9010	Auditorium	176 Robinson Rd	Jackson	Breathitt	KRADD	High	Low	Low	Low	Low	Moderate	Severe
9011	Storage Barn	176 Robinson Rd	Jackson	Breathitt	KRADD	High	Low	Low	Low	Low	Moderate	Severe
9012	House Dwelling D #12	176 Robinson Rd	Jackson	Breathitt	KRADD	High	Low	Low	Low	Low	Moderate	Severe
9013	Business Office	176 Robinson Rd	Jackson	Breathitt	KRADD	Low	Low	Low	Low	Low	Moderate	Severe
9014	Chemical Building	176 Robinson Rd	Jackson	Breathitt	KRADD	Low	Low	Low	Low	Low	Moderate	Severe
9015	Conservation Equipment Shed	176 Robinson Rd	Jackson	Breathitt	KRADD	Low	Low	Low	Low	Low	Moderate	Severe
9016	House Dwelling C #16	176 Robinson Rd	Jackson	Breathitt	KRADD	High	Low	Low	Low	Low	Moderate	Severe
9017	Grain Bin & Shed	176 Robinson Rd	Jackson	Breathitt	KRADD	Low	Low	Low	Low	Low	Moderate	Severe
9018	Material Storage Cage	176 Robinson Rd	Jackson	Breathitt	KRADD	Low	Low	Low	Low	Low	Moderate	Severe
9019	Plant Mechanical Center Bay	176 Robinson Rd	Jackson	Breathitt	KRADD	Low	Low	Low	Low	Low	Moderate	Severe
9023	Administration Bldg	176 Robinson Rd	Jackson	Breathitt	KRADD	High	Low	Low	Low	Low	Moderate	Severe
9033	Tobacco Barn	176 Robinson Rd	Jackson	Breathitt	KRADD	Low	Low	Low	Low	Low	Moderate	Severe
9034	Quicksand Agronomy Field Lab	176 Robinson Rd	Jackson	Breathitt	KRADD	Low	Low	Low	Low	Low	Moderate	Severe

Building ID	Building Name	Address	City	County	Area Development District (ADD)/Local Hazard Mitigation Plan	Exposure Score	Hazard Scores					
							Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire
9035	Greenhouse	176 Robinson Rd	Jackson	Breathitt	KRADD	Low	Low	Low	Low	Low	Moderate	Severe
9111	Kentucky State University Academic Service Bldg	275 E Main St	Frankfort	Franklin	BGADD	Severe	Low	High	Low	Low	Moderate	Moderate
9113	Morehead State University Ginger Hall	Winchester Ave	Morehead	Rowan	GWADD	Severe	Low	Low	High	Low	Low	Severe
9114	Morehead State University Reed Hall(2nd Floor)	Winchester Ave	Morehead	Rowan	GWADD	Severe	Low	Low	High	Low	Low	Severe
9116	Carl Perkins Rehabilitation Center	5659 Main St	Paintsville	Johnson	BSADD	Severe	Low	Low	Moderate	Low	Moderate	Severe
9117	Pikeville College Community Technology Center	119 College St	Pikeville	Pike	BSADD	Severe	Low	Low	Moderate	Low	Moderate	Severe
9118	Pikeville Technical College	120 South River Fill Dr	Pikeville	Pike	BSADD	Severe	Low	Low	Moderate	Low	Moderate	Severe
9119	BSADD Community & Tech Coll-Johnson Adm Bldg	1 Bert Combs Dr	Prestonsburg	Floyd	BSADD	Severe	Low	Low	Moderate	Low	Moderate	Severe
9120	Miller Information Technology Ctr, U of Louisville	Miller Information Technology Center	Louisville	Jefferson	Louisville Metro	Severe	Low	Moderate	High	Low	Low	Low
9121	School of Nursing and Allied Health, U of L	Building # 24 University of Louisville	Louisville	Jefferson	Louisville Metro	Severe	Low	Moderate	High	Low	Low	Low
9123	Cherry Hall, Western Kentucky University	0	Bowling Green	Warren	BRADD	Severe	Low	Moderate	High	Low	Low	Low
9124	Grise Hall, Western Kentucky Univeristy	0	Bowling Green	Warren	BRADD	Severe	Low	Moderate	High	Low	Low	Low
9125	Mass Media and Technology Hall	0	Bowling Green	Warren	BRADD	Severe	Low	Moderate	High	Low	Low	Low
9127	1101 S Limestone	1101 S Limestone	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
9205	Wood Utilization Center	176 Robinson Rd	Jackson	Breathitt	KRADD	High	Low	Low	Low	Low	Moderate	Severe
9206	Dry Kiln & Boiler	176 Robinson Rd	Jackson	Breathitt	KRADD	High	Low	Low	Low	Low	Moderate	Severe
9215	Farm Office Trailer	176 Robinson Rd	Jackson	Breathitt	KRADD	Severe	Low	Low	Low	Low	Moderate	Severe
9300	Robinson Forest Equip Floater	0	Clayhole	Breathitt	KRADD	Severe	Low	Low	Low	Low	Low	Severe
9302	Dorm & Classroom	617 Clemens Fork Rd	Clayhole	Breathitt	KRADD	High	Low	Low	Low	Low	Low	Severe
9303	Camp Residence	617 Clemens Fork Rd	Clayhole	Breathitt	KRADD	High	Low	Low	Low	Low	Low	Severe
9304	Dorm	617 Clemens Fork Rd	Clayhole	Breathitt	KRADD	High	Low	Low	Low	Low	Low	Severe
9305	Faculty Dorm	617 Clemens Fork Rd	Clayhole	Breathitt	KRADD	High	Low	Low	Low	Low	Low	Severe
9306	Kitchen & Dining Hall	617 Clemens Fork Rd	Clayhole	Breathitt	KRADD	Low	Low	Low	Low	Low	Low	Severe
9309	Equipment Shed	617 Clemens Fork Rd	Clayhole	Breathitt	KRADD	High	Low	Low	Low	Low	Low	Severe
9311	Pole Equipment Shed	617 Clemens Fork Rd	Clayhole	Breathitt	KRADD	Low	Low	Low	Low	Low	Low	Severe

Building ID	Building Name	Address	City	County	Area Development District (ADD)/Local Hazard Mitigation Plan	Exposure Score	Hazard Scores					
							Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire
9312	Large Sawmill	617 Clemens Fork Rd	Clayhole	Breathitt	KRADD	Low	Low	Low	Low	Low	Low	Severe
9314	Pump House	617 Clemens Fork Rd	Clayhole	Breathitt	KRADD	Low	Low	Low	Low	Low	Low	Severe
9315	Fire Tower	617 Clemens Fork Rd	Clayhole	Breathitt	KRADD	Low	Low	Low	Low	Low	Low	Severe
9316	Research Lab	617 Clemens Fork Rd	Clayhole	Breathitt	KRADD	Low	Low	Low	Low	Low	Severe	Severe
9318	Caretakers Residence	617 Clemens Fork Rd	Clayhole	Breathitt	KRADD	Low	Low	Low	Low	Low	Low	Severe
9321	Bath House	617 Clemens Fork Rd	Clayhole	Breathitt	KRADD	Low	Low	Low	Low	Low	Low	Severe
9322	Gas Tank Shelter	617 Clemens Fork Rd	Clayhole	Breathitt	KRADD	High	Low	Low	Low	Low	Low	Severe
9323	Bird Blind	619 Clemens Fork Rd	Clayhole	Breathitt	KRADD	Low	Low	Low	Low	Low	Low	Severe
9351	Kentucky Homeplace-Livingston Co.	502 Mill St	Smithland	Livingston	PeADD	Low	Low	Severe	Severe	High	Moderate	Severe
9352	Kentucky Homeplace-Graves Co.	620 South 6th St	Mayfield	Graves	PADD	Low	Low	Severe	Severe	High	Low	Low
9354	Kentucky Homeplace-Morgan Co.	151 University Dr Rm 312	West Liberty	Morgan	GWADD	Low	Low	Low	Low	Low	High	High
9356	Kentucky Homeplace-Calloway Co.	602 Memory Ln	Murray	Calloway	PADD	Low	Low	Severe	Severe	High	Moderate	Moderate
9400	AGR Ext Muhlenberg County	3690 State Route 1380	Central City	Muhlenberg	PeADD	Severe	Low	Severe	High	Moderate	Low	Severe
9401	AGR Ext Nelson County	317 S. Third Street	Bardstown	Nelson	LTADD	Severe	Low	Moderate	Low	Low	Low	Moderate
9402	AGR Ext Nicholas County	368 East Main Street	Carlisle	Nicholas	BGADD	Severe	Low	High	Moderate	Low	Moderate	Moderate
9403	AGR Ext Ohio County	1337 Clay Street	Hartford	Ohio	GRADD	Severe	Low	Severe	Severe	Low	Moderate	Low
9404	AGR Ext Oldham County	1815 North Highway 393	LaGrange	Oldham	KIPDA	Severe	Low	High	Low	Low	Low	High
9405	AGR Ext Owen County	265 Ellis Highway	Owenton	Owen	NKADD	Severe	Low	High	Low	Low	Low	Low
9406	AGR Ext Owsley County	02 Industrial Park Road	Booneville	Owsley	KRADD	Severe	Low	Low	Moderate	Low	Low	Moderate
9407	AGR Ext Pendleton County	45 David Pribble Drive	Falmouth	Pendleton	NKADD	Severe	Low	High	Low	Low	Low	Moderate
9408	AGR Ext Perry County	933 Perry Park Road	Hazard	Perry	KRADD	Severe	Low	Low	Moderate	Low	Moderate	Severe
9409	AGR Ext Pike County	148 Trivette Drive	Pikeville	Pike	BSADD	Severe	Low	Low	High	Low	Moderate	Low
9410	AGR Ext Powell County	169 Maple Street	Stanton	Powell	BGADD	Severe	Low	Low	High	Low	Moderate	Low
9411	AGR Ext Pulaski County	28 Parkway Drive	Somerset	Pulaski	LCADD	Severe	Low	Low	Low	Low	Low	Moderate
9412	AGR Ext Robertson County	Walnut Street	Mt. Olivet	Robertson	BTADD	Severe	Low	High	Low	Low	Low	High
9413	AGR Ext Rockcastle County	1050 W. Main Street	Mt. Vernon	Rockcastle	CVADD	Severe	Low	Low	Low	Low	Low	Moderate
9414	AGR Ext Rowan County	627 East Main Street	Morehead	Rowan	GWADD	Severe	Low	Low	Moderate	Low	High	High

Building ID	Building Name	Address	City	County	Area Development District (ADD)/Local Hazard Mitigation Plan	Exposure Score	Hazard Scores					
							Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire
9415	AGR Ext Russell County	2688 S. Hwy. 127	Russell Springs	Russell	LCADD	Severe	Low	Moderate	Low	Low	Low	High
9416	AGR Ext Scott County	1130 Cincinnati Road	Georgetown	Scott	BGADD	Severe	Low	High	Low	Low	Low	Low
9417	AGR Ext Shelby County	1117 Frankfort Road	Shelbyville	Shelby	KIPDA	Severe	Low	High	Low	Low	Low	Moderate
9418	AGR Ext Simpson County	300 North Main Street	Franklin	Simpson	BRADD	Severe	Low	Severe	High	Low	Low	Low
9419	AGR Ext Spencer County	66 Spears Drive	Taylorsville	Spencer	KIPDA	Severe	Low	High	Low	Low	Moderate	High
9420	AGR Ext Taylor County	1143 South Columbia Ave.	Campbellsville	Taylor	LCADD	Severe	Low	Moderate	Low	Low	Low	Moderate
9421	AGR Ext Todd County	Courthouse	Elkton	Todd	PeADD	Severe	Low	Severe	High	Moderate	Low	Moderate
9422	AGR Ext Trigg County	Farm Bureau Building	Cadiz	Trigg	PeADD	Severe	Low	Severe	Severe	High	Low	High
9423	AGR Ext Trimble County	43 High Country Lane	Bedford	Trimble	KIPDA	Severe	Low	High	Low	Low	Low	Severe
9424	AGR Ext Union County	1938 US Hwy. 60 West	Morganfield	Union	GRADD	Severe	Low	Severe	Severe	High	Low	Moderate
9425	AGR Ext Warren County	3132 Nashville Road	Bowling Green	Warren	BRADD	Severe	Low	Moderate	High	Low	Low	Low
9427	AGR EXT Washington County	211 Progress Avenue	Springfield	Washington	LTADD	Severe	Low	High	Low	Low	Low	Low
9429	AGR Ext Wayne County	255 Rolling Hills Blvd.	Monticello	Wayne	LCADD	Severe	Low	Low	Low	Low	Low	Moderate
9430	AGR Ext Webster County	1118 US Highway 41A South	Dixon	Webster	GRADD	Severe	Low	Severe	Severe	High	Low	Severe
9431	AGR Ext Whitley County	4275 N. Highway 25 W.	Williamsburg	Whitley	CVADD	Severe	Low	Low	High	Low	High	High
9432	AGR Ext Wolfe County	North Washington Street	Campton	Wolfe	KRADD	Severe	Low	Low	Low	Low	Moderate	Severe
9433	AGR Ext Woodford County	184 Beasley Road	Versailles	Woodford	BGADD	Severe	Low	High	Low	Low	Low	Low
9486	Polk Dalton Family Care Clinic	1135 Red Mile Place	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
9487	Coldstream Center	1500 Bull Lea Rd Suite 100	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Moderate	Low
9489	342 Waller Ave	342 Waller Ave	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Moderate	Low
9492	Hazard Medical Arts Building	243 Roy Campbell Dr	Hazard	Perry	KRADD	Low	Low	Low	Moderate	Low	Low	Severe
9493	Kentucky Homeplace-Clay Co.	105 Main St	Manchester	Clay	CVADD	Low	Low	Low	Moderate	Low	Low	Severe
9494	Powell County Clinic	68 East Elkins St	Stanton	Powell	BGADD	Severe	Low	Low	Low	Low	Low	Severe
9501	Boat Dock	17575 Hwy. 196	Nancy	Pulaski	LCADD	Low	Low	Low	Low	Low	Low	Severe
9502	Dining Hall & Kitchen	17575 Hwy. 196	Nancy	Pulaski	LCADD	High	Low	Low	Low	Low	Low	Severe
9503	Cabin #1	17575 Hwy. 196	Nancy	Pulaski	LCADD	Low	Low	Low	Low	Low	Low	Severe

Building ID	Building Name	Address	City	County	Area Development District (ADD)/Local Hazard Mitigation Plan	Exposure Score	Hazard Scores					
							Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire
9504	Cabin #2	17575 Hwy. 196	Nancy	Pulaski	LCADD	Low	Low	Low	Low	Low	Low	Severe
9505	Cabin #3	17575 Hwy. 196	Nancy	Pulaski	LCADD	Low	Low	Low	Low	Low	Low	Severe
9506	Cabin #4	17575 Hwy. 196	Nancy	Pulaski	LCADD	Low	Low	Low	Low	Low	Low	Severe
9507	Cabin #5	17575 Hwy. 196	Nancy	Pulaski	LCADD	Low	Low	Low	Low	Low	Low	Severe
9508	Cabin #6	17575 Hwy. 196	Nancy	Pulaski	LCADD	Low	Low	Low	Low	Low	Low	Severe
9509	Cabin #7	17575 Hwy. 196	Nancy	Pulaski	LCADD	Low	Low	Low	Low	Low	Low	Severe
9510	Cabin #8	17575 Hwy. 196	Nancy	Pulaski	LCADD	Low	Low	Low	Low	Low	Low	Severe
9511	Cabin #9	17575 Hwy. 196	Nancy	Pulaski	LCADD	Low	Low	Low	Low	Low	Low	Severe
9512	Cabin #10	17575 Hwy. 196	Nancy	Pulaski	LCADD	High	Low	Low	Low	Low	Low	Severe
9513	Cabin #11	17575 Hwy. 196	Nancy	Pulaski	LCADD	High	Low	Low	Low	Low	Low	Severe
9514	Cabin #12	17575 Hwy. 196	Nancy	Pulaski	LCADD	High	Low	Low	Low	Low	Low	Severe
9515	Cabin #13	17575 Hwy. 196	Nancy	Pulaski	LCADD	High	Low	Low	Low	Low	Low	Severe
9516	Health Center	17575 Hwy. 196	Nancy	Pulaski	LCADD	Low	Low	Low	Low	Low	Low	Severe
9517	Maintenance Storage Trailer	17500 Hwy. 196	Nancy	Pulaski	LCADD	Low	Low	Low	Low	Low	Low	Severe
9518	Sewage Treatment Plant	17500 Hwy. 196	Nancy	Pulaski	LCADD	Low	Low	Low	Low	Low	Low	Severe
9519	Shotgun Shelter	17500 Hwy. 196	Nancy	Pulaski	LCADD	Low	Low	Low	Low	Low	Low	Severe
9520	Bath House	17575 Hwy. 196	Nancy	Pulaski	LCADD	High	Low	Low	Low	Low	Low	Severe
9521	Swimming Pool	17575 Hwy. 196	Nancy	Pulaski	LCADD	Low	Low	Low	Low	Low	Low	Severe
9522	Staff Trailer #1	17500 Hwy. 196	Nancy	Pulaski	LCADD	Low	Low	Low	Low	Low	Low	Severe
9523	Archery Shelter	17500 Hwy. 196	Nancy	Pulaski	LCADD	Low	Low	Low	Low	Low	Low	Severe
9524	Bird Blind	17500 Hwy. 196	Nancy	Pulaski	LCADD	Low	Low	Low	Low	Low	Low	Severe
9525	Modular Bldg/Nature & Crafts	17575 Hwy. 196	Nancy	Pulaski	LCADD	High	Low	Low	Low	Low	Low	Severe
9526	Black Powder Shelter	17500 Hwy. 196	Nancy	Pulaski	LCADD	Low	Low	Low	Low	Low	Low	Severe
9527	Shop	17575 Hwy. 196	Nancy	Pulaski	LCADD	High	Low	Low	Low	Low	Low	Severe
9528	Shelter House	17575 Hwy. 196	Nancy	Pulaski	LCADD	High	Low	Low	Low	Low	Low	Severe
9529	Sewer Plant Storage	17500 Hwy. 196	Nancy	Pulaski	LCADD	Low	Low	Low	Low	Low	Low	Severe
9530	Cabin #14	17575 Hwy. 196	Nancy	Pulaski	LCADD	High	Low	Low	Low	Low	Low	Severe
9531	Cabin #15	17575 Hwy. 196	Nancy	Pulaski	LCADD	High	Low	Low	Low	Low	Low	Severe
9532	Country Store	17575 Hwy. 196	Nancy	Pulaski	LCADD	High	Low	Low	Low	Low	Low	Severe
9533	Emergency Storm Shelter #1	17575 Hwy. 196	Nancy	Pulaski	LCADD	High	Low	Low	Low	Low	Low	Severe

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							Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire
9534	Emergency Storm Shelter #2	17575 Hwy. 196	Nancy	Pulaski	LCADD	High	Low	Low	Low	Low	Low	Severe
9535	Archery Storage	17500 Hwy. 196	Nancy	Pulaski	LCADD	Low	Low	Low	Low	Low	Low	Severe
9537	Pistol Shelter	17500 Hwy. 196	Nancy	Pulaski	LCADD	Low	Low	Low	Low	Low	Low	Severe
9538	Ky Leadership Center	17575 Hwy. 196	Nancy	Pulaski	LCADD	Severe	Low	Low	Low	Low	Low	Severe
9541	Outpost #1	17575 Hwy. 196	Nancy	Pulaski	LCADD	Low	Low	Low	Low	Low	Low	Severe
9542	Outpost #2	17575 Hwy. 196	Nancy	Pulaski	LCADD	Low	Low	Low	Low	Low	Low	Severe
9545	Amphitheatre Stage	17575 Hwy. 196	Nancy	Pulaski	LCADD	Severe	Low	Low	Low	Low	Low	Severe
9548	Riflery	17575 Hwy. 196	Nancy	Pulaski	LCADD	Low	Low	Low	Low	Low	Low	Severe
9549	KY Leadership MGR House	17575 Hwy. 196	Nancy	Pulaski	LCADD	Low	Low	Low	Low	Low	Low	Severe
9551	Greenhouse	17575 Hwy. 196	Nancy	Pulaski	LCADD	Low	Low	Low	Low	Low	Low	Severe
9552	Outside Storage	17575 Hwy. 196	Nancy	Pulaski	LCADD	Low	Low	Low	Low	Low	Low	Severe
9612	AGR Ext Adair County	409 Fairground Street	Columbia	Adair	LCADD	Severe	Low	Moderate	Low	Low	Moderate	Moderate
9613	AGR Ext Allen County	200 East Main Street	Scottsville	Allen	BRADD	Severe	Low	Moderate	Moderate	Low	Low	Moderate
9614	AGR Ext Anderson County	1026 County Park Road	Lawrenceburg	Anderson	BGADD	Severe	Low	High	Low	Low	Low	Low
9615	AGR Ext Ballard County	110 Broadway	La Center	Ballard	PADD	Severe	Low	Severe	Severe	High	Low	Low
9616	AGR Ext Barren County	1463 West Main Street	Glasgow	Barren	BRADD	Severe	Low	Moderate	Moderate	Low	Low	Moderate
9617	AGR Ext Bath County	2914 East Highway 60	Owingsville	Bath	GWADD	Severe	Low	High	Moderate	Low	Low	Severe
9618	AGR Ext Bell County	101 Courthouse Square	Pineville	Bell	CVADD	Severe	Low	Low	High	Low	Moderate	Severe
9619	AGR Ext Boone County	6028 Camp Ernst Road	Burlington	Boone	NKADD	Severe	Low	High	Low	Low	Low	Low
9620	AGR Ext Bourbon County	603 Millersburg Road	Paris	Bourbon	BGADD	Severe	Low	High	Moderate	Low	Low	Low
9621	AGR Ext Boyd County	2420 Center Street	Cattlettsburg	Boyd	FIVCO	Severe	Low	Low	Moderate	High	Moderate	Low
9622	AGR Ext Boyle County	99 Corporate Drive	Danville	Boyle	BGADD	Severe	Low	High	Low	Low	Low	Low
9623	AGR Ext Bracken County	1120 Brooksville-Germantown Road	Brooksville	Bracken	BTADD	Severe	Low	High	Low	Low	Low	High
9624	AGR Ext Breathitt County	1155 Main Street	Jackson	Breathitt	KRADD	Severe	Low	Low	Low	Low	High	High
9625	AGR Ext Breckinridge County	1377 Highway 261 South	Hardinsburg	Breckinridge	LTADD	Severe	Low	Moderate	High	Low	Low	Low
9626	AGR Ext Bullitt County	384 Halls Lane	Shepherdsville	Bullitt	KIPDA	Severe	Low	Moderate	Low	Low	Moderate	Severe

Building ID	Building Name	Address	City	County	Area Development District (ADD)/Local Hazard Mitigation Plan	Exposure Score	Hazard Scores					
							Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire
9627	AGR Ext Butler County	112 E GL Smith Street	Morgantown	Union	GRADD	Severe	Low	Moderate	High	Low	High	High
9628	AGR Ext Caldwell County	1025 US Hwy. 62W	Princeton	Caldwell	PeADD	Severe	Low	Severe	Severe	High	Low	Moderate
9629	AGR Ext Calloway County	310 S. Fourth Street	Murray	Calloway	PADD	Severe	Low	Severe	Severe	High	Moderate	High
9630	AGR Ext Campbell County	3500 Alexandria Pike	Highland Heights	Campbell	NKADD	Severe	Low	High	Low	Low	Low	Low
9631	AGR Ext Carlisle County	Kelley Building (US Hwy 51 S. & KY 123 W.)	Bardwell	Carlisle	PADD	Severe	Low	Severe	Severe	High	Moderate	High
9632	AGR Ext Carroll County	500 Floyd Drive	Carrollton	Carroll	NKADD	Severe	Low	High	Moderate	Low	Moderate	Low
9633	AGR Ext Carter County	94 Fairground Drive	Grayson	Carter	FIVCO	Severe	Low	Low	Low	High	Moderate	High
9634	AGR Ext Casey County	1517 S. Wallace Wilkinson Blvd.	Liberty	Casey	LCADD	Severe	Low	Moderate	Moderate	Low	High	Moderate
9635	AGR Ext Christian County	2850 Pembroke Road	Hopkinsville	Christian	PeADD	Severe	Low	Severe	Severe	Moderate	Low	Low
9636	AGR Ext Clark County	1400 Fortune Drive	Winchester	Clark	KIPDA	Severe	Low	High	Moderate	Low	Low	Low
9637	AGR Ext Clay County	69 Jameson Road	Manchester	Clay	CVADD	Severe	Low	Low	Moderate	Low	Moderate	High
9638	AGR Ext Clinton County	2601 North Highway 127	Albany	Clinton	LCADD	Severe	Low	Moderate	Low	Low	Moderate	High
9639	AGR Ext Crittendon County	1534 US Highway 60 East	Marion	Crittenden	PeADD	Severe	Low	Severe	Severe	High	Moderate	Moderate
9640	AGR Ext Cumberland County	90 Smith Grove Road, Burkesville	Burksville	Cumberland	LCADD	Severe	Low	Moderate	Low	Low	Moderate	High
9641	AGR Ext Daviess County	4800A New Hartford Road	Owensboro	Daviess	GRADD	Severe	Low	Severe	Severe	High	Low	Low
9642	AGR Ext Edmonson County	116 Mohawk Street	Brownsville	Edmonson	BRADD	Severe	Low	Moderate	Moderate	Low	Low	Severe
9643	AGR Ext Elliott County	HC 81, Box 483	Sandy Hook	Elliott	FIVCO	Severe	Low	Low	Low	Low	Low	Moderate
9644	AGR Ext Estill County	76 Golden Court	Irvine	Estill	BGADD	Severe	Low	Low	Low	Low	Low	Severe
9645	AGR Ext Fayette County	1140 Red Mile Place	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
9646	AGR Ext Fleming County	1384 Elizaville Road	Flemingsburg	Fleming	BTADD	Severe	Low	High	Moderate	Low	Low	Low
9647	AGR Ext Floyd County	921 South Lake Drive	Prestonsburg	Floyd	BSADD	Severe	Low	Low	Moderate	Low	Moderate	Severe
9648	AGR Ext Franklin County	101 Lakeview Court	Frankfort	Franklin	BGADD	Severe	Low	High	Low	Low	Low	Low
9649	AGR Ext Fulton County	2114 South Seventh Street	Hickman	Fulton	PADD	Severe	Low	Severe	Severe	High	Low	Severe
9650	AGR Ext Gallatin County	US 42 West	Warsaw	Gallatin	NKADD	Severe	Low	High	Moderate	Low	High	Low

Building ID	Building Name	Address	City	County	Area Development District (ADD)/Local Hazard Mitigation Plan	Exposure Score	Hazard Scores					
							Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire
9651	AGR Ext Garrard County	1302 Stanford Road	Lancaster	Garrard	BGADD	Severe	Low	High	Low	Low	Low	Low
9652	AGR Ext Grant County	105 Baton Rouge Road	Williamstown	Grant & Pendleton	NKADD	Severe	Low	High	Low	Low	Low	High
9653	AGR Ext Graves County	251 Housman Street	Mayfield	Graves	PADD	Severe	Low	Severe	Severe	High	Low	Moderate
9654	AGR Ext Grayson County	123 Commerce Drive	Leitchfield	Grayson	LTADD	Severe	Low	Moderate	High	Low	Moderate	High
9655	AGR Ext Green County	298 Happyville Road	Greensburg	Green	LCADD	Severe	Low	Moderate	Low	High	Low	Moderate
9656	AGR Ext Greenup County	35 Wurtland Avenue	Wurtland	Greenup	FIVCO	Severe	Low	Low	Low	High	High	Moderate
9657	AGR Ext Hancock County	1605 US Highway 60 West	Hawesville	Hancock	GRADD	Severe	Low	Severe	High	Low	Low	Severe
9658	AGR Ext Hardin County	201 Peterson Drive	Elizabethtown	Hardin	LTADD	Severe	Low	Moderate	Moderate	Low	High	High
9659	AGR Ext Harlan County	519 S. Main Street	Harlan	Harlan	CVADD	Severe	Low	Low	High	Low	Moderate	Severe
9660	AGR Ext Harrison County	668 New Lair Road	Cynthiana	Harrison	BGADD	Severe	Low	High	Moderate	Low	Low	Low
9661	AGR Ext Hart County	505 A.A. Whitman Lane	Munfordville	Hart	BRADD	Severe	Low	Moderate	Moderate	Low	Low	High
9662	AGR Ext Henderson County	3341 Zion Road	Henderson	Henderson	GRADD	Severe	Low	Severe	Severe	Moderate	Moderate	Low
9663	AGR Ext Henry County	Highway 421	New Castle	Henry	KIPDA	Severe	Low	High	Low	Low	Low	Low
9664	AGR Ext Hickman County	116 S. Jefferson, Courthouse Square	Clinton	Hickman	PADD	Severe	Low	Severe	Severe	High	Moderate	Moderate
9665	AGR Ext Hopkins County	75 Cornwall Drive	Madisonville	Hopkins	PeADD	Severe	Low	Severe	Severe	Moderate	Moderate	Moderate
9666	AGR Ext Jackson County	263 US Highway 421 South	McKee	Jackson	CVADD	Severe	Low	Low	Low	Low	Low	Severe
9667	AGR Ext Jefferson County	810 Barret Avenue	Louisville	Jefferson	Louisville Metro	Severe	Low	Moderate	High	Low	High	Low
9668	AGR Ext Jessamine County	95 Park Drive	Nicholasville	Jessamine	BGADD	Severe	Low	High	Low	Low	Low	Low
9669	AGR Ext Johnson County	826 F.M. Stafford Avenue	Paintsville	Johnson	BSADD	Severe	Low	Low	Moderate	Low	Moderate	Severe
9670	AGR Ext Kenton County	10990 Marshall Road	Covington	Kenton	NKADD	Severe	Low	High	Low	Low	Low	High
9671	AGR Ext Knott County	149 Parks Branch Road	Hindman	Knott	KRADD	Severe	Low	Low	Moderate	Low	Low	Severe
9672	AGR Ext Knox County	215 Truehaft Blvd., Suite 7	Barbourville	Knox	CVADD	Severe	Low	Low	High	Low	Moderate	High
9673	AGR Ext Larue County	807 Old Elizabethtown Road	Hodgenville	LaRue	LTADD	Severe	Low	Moderate	Moderate	Low	Low	Low
9674	AGR Ext Laurel County	200 County Extension Road	London	Laurel	CVADD	Severe	Low	Low	Moderate	Low	Low	Low

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							Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire
9675	AGR Ext Lawrence County	249 Industrial Park Road	Louisa	Lawrence	FIVCO	Severe	Low	Low	Low	High	Moderate	High
9676	AGR Ext Lee County	500 Happy Top Road	Beattyville	Lee	KRADD	Severe	Low	Low	Low	Low	Moderate	Severe
9677	AGR Ext Leslie County	22045 Main Street (514)	Hyden	Leslie	KRADD	Severe	Low	Low	Moderate	Low	Moderate	Severe
9678	AGR Ext Letcher County	478 Extension Drive	Whitesburg	Letcher	KRADD	Severe	Low	Low	Moderate	Low	Moderate	High
9679	AGR Ext Lewis County	284 Second Street	Vanceburg	Lewis	BTADD	Severe	Low	Low	Low	Low	Moderate	Severe
9680	AGR Ext Lincoln County	104 Metker Trail	Stanford	Lincoln	BGADD	Severe	Low	High	Low	Low	Low	Low
9681	AGR Ext Livingston County	Wilson Avenue	Smithland	Livingston	PeADD	Severe	Low	Severe	Severe	High	Moderate	Severe
9682	AGR Ext Logan County	255 John Paul Road	Russellville	Logan	BRADD	Severe	Low	Severe	High	Low	Moderate	Low
9683	AGR Ext Logan County	231 West Main Street	Eddyville	Lyon	PeADD	Severe	Low	Severe	Severe	High	High	Severe
9684	AGR Ext Madison County	230 Duncannon Lane	Richmond	Madison	BGADD	Severe	Low	High	Low	Low	Low	High
9685	AGR Ext Magoffin County	15 Rockhouse Fork Road	Salyersville	Magoffin	BSADD	Severe	Low	Low	Low	Low	Low	Severe
9686	AGR Ext Marion County	416 Fairgrounds Road	Lebanon	Marion	LTADD	Severe	Low	Moderate	Low	Low	Low	Moderate
9687	AGR Ext Marshall County	1933 Mayfield Highway	Benton	Marshall	PADD	Severe	Low	Severe	Severe	High	Low	Moderate
9688	AGR Ext Martin County	9 Holy Street	Inez	Martin	BSADD	Severe	Low	Low	Low	Low	Moderate	Severe
9689	AGR Ext Mason County	800 US 68	Maysville	Mason	BTADD	Severe	Low	High	Low	Low	Moderate	Severe
9690	AGR Ext McCracken County	2705 Olivet Church Road	Paducah	McCracken	PADD	Severe	Low	Severe	Severe	High	Low	High
9691	AGR Ext McCreary County	McCreary Campus, Somerset Com College	Whitley City	McCreary	LCADD	Severe	Low	Low	Moderate	Low	Low	Severe
9692	AGR Ext McLean County	335 W. 7th Street	Calhoun	McLean	GRADD	Severe	Low	Severe	Severe	Moderate	Low	High
9693	AGR Ext Meade County	1041 Old Ekron Road	Brandenburg	Meade	LTADD	Severe	Low	Moderate	Moderate	Low	Low	Moderate
9694	AGR Ext Menefee County	140 Main Street	Frenchburg	Menifee	GWADD	Severe	Low	Low	Moderate	Low	Low	Severe
9695	AGR Ext Mercer County	1007 Lexington Road	Harrodsburg	Mercer	BGADD	Severe	Low	High	Low	Low	Low	Low
9696	AGR Ext Metcalfe County	422 East Street	Edmonton	Metcalfe	BRADD	Severe	Low	Moderate	Low	Low	Low	High
9697	AGR Ext Monroe County	1194 Columbia Avenue	Tompkinsville	Monroe	BRADD	Severe	Low	Moderate	Moderate	Low	Low	High
9698	AGR Ext Montgomery County	106 East Locust Street	Mt. Sterling	Montgomery	GWADD	Severe	Low	High	Moderate	Low	Low	Low
9699	AGR Ext Morgan County	1009 Highway 172	West Liberty	Morgan	GWADD	Severe	Low	Low	Low	Low	Low	Severe

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							Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire
9733	Professional Arts Center (Samaritan)	135 E Maxwell St	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
9762	Ashley Place	811 Main St	Morgantown	Union	GRADD	Severe	Low	Moderate	Severe	Low	High	High
9776	Wolf County Courthouse	Main St	Campton	Wolfe	KRADD	Severe	Low	Low	Low	Low	Moderate	High
9801	Windstream Bldg.	0				Low	Low	High	Low	Low	Low	Low
9803	1830 Destiny Ln #107	1830 Destiny Ln #107	Bowling Green	Warren	BRADD	Severe	Low	Moderate	High	Low	Low	Low
9804	Literacy Center (College of Ed)	120 Quinton Ct	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
9805	UK Healthcare - Georgetown	202 Bevins Lane	Georgetown	Scott	BGADD	Low	Low	High	Low	Low	Moderate	Low
9806	Center for Health Education and Research	316 W Sun St.	Morehead	Rowan	GWADD	Severe	Low	Low	High	Low	High	Low
9807	ARH Medical Mall	210 Black Gold Blvd.	Hazard	Perry	KRADD	Low	Low	Low	Moderate	Low	Low	Severe
9808	1152 Lexington Rd	1152 Lexington Rd	Georgetown	Scott	BGADD	Low	Low	High	Low	Low	Low	Low
9810	Doctor's Office Park	1517 Nicholasville Rd	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
9812	UK Federal Credit Union	1080 Export St	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Moderate	Low
9813	Child Development Center of the BGADD, Inc.	290 Alumni Dr	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Moderate
9814	UK Morehead OB/GYN	555 W. Sun St	Morehead	Rowan	GWADD	Low	Low	Low	High	Low	High	Low
9815	Dan A. Martin Dental Clinic	412 N. Kentucky Ave	Madisonville	Hopkins	PeADD	Low	Low	Severe	Severe	Moderate	Low	Low
9816	Royal Lexington (Lease)	695 Winnie St	Lexington	Fayette	LFUCG	High	Low	High	Low	Low	Low	Low
9817	Western KY Dental	0				Low	Low	High	Low	Low	Low	Low
9820	Jessamine Eye Center	100 John Sutherland Dr	Nicholasville	Jessamine	BGADD	Low	Low	High	Low	Low	Low	Low
9822	245 Fountain Court	245 Fountain Court	Lexington	Fayette	LFUCG	Moderate	Low	High	Low	Low	Low	Low
9823	UKHealthCare EYE Center Richmond	920 Barnes Mill Rd, Ste D	Richmond	Madison	BGADD	Low	Low	High	Low	Low	Low	Low
9825	Coldstream CIE	1648 McGrathiana STE #50	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Moderate	Low
9829	UK KY Clinic, Morehead	228 W. 2nd Street	Morehead	Rowan	GWADD	Low	Low	Low	High	Low	High	Low
9831	845 Red Mile Rd (University Trails)	845 Red Mile Rd	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
9833	Audubon Medical Plaza East	3 Audubon Plaza, Ste 150	Louisville	Jefferson	Louisville Metro	Low	Low	Moderate	Low	Low	Low	Moderate
9835	Appalachian Heart Center	200 Medical Center Dr.	Hazard	Perry	KRADD	High	Low	Low	Moderate	Low	Low	High
9836	Maysville Cancer Treatment Center	1115 Progress Way	Maysville	Mason	BTADD	Low	Low	High	Low	Low	Low	Low
9837	Appalachian Heart Center	90 Ball Park Rd	Harlan	Harlan	CVADD	High	Low	Low	High	Low	High	Severe

Building ID	Building Name	Address	City	County	Area Development District (ADD)/Local Hazard Mitigation Plan	Exposure Score	Hazard Scores					
							Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire
9838	Residential Medical Research	1401 Nicholasville Rd	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
9839	Turfland Clinic	2195 Harrodsburg Rd	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
9840	615 N Mulberry	615 N Mulberry	Elizabethtown	Hardin	LTADD	Severe	Low	Moderate	Moderate	Low	Low	Moderate
9841	151 University Dr, Morehead, KY	151 University Dr	Morehead	Rowan	GWADD	Low	Low	Low	Moderate	Low	High	High
9844	KY Clinic South	2400 Greatstone Pt	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
9845	Interdisciplinary Human Development Institute	1525 Bull Lea Rd	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Moderate	Low
9847	Polk Dalton Clinic	217 Elm Tree Ln	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
9852	Sanders Brown Center on Aging	1030 S Broadway, Suites 5-6	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Moderate	Low
9853	Shriners Hospitals for Children Medical Center - Lexington	110 Conn Ter	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
9854	Anthropology Research Building	1020 Export St	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
9855	Offices (Dental Public Health)	333 Waller Ave	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Moderate	Low
9857	Commerce Lexington	330 E Main St	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
9860	601 Chamberlain Ave	601 Chamberlain Ave	Frankfort	Franklin	BGADD	Severe	Low	High	Low	Low	High	High
9861	845 Angliana Ave	845 Angliana Ave	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
9862	2317 Alumni Park Plaza	2317 Alumni Park Plaza	Lexington	Fayette	LFUCG	Moderate	Low	High	Low	Low	Moderate	Low
9880	BGADD Station	5751 Briar Hill Rd	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
9892	OCSS at Simpson Center	1080 S Broadway STE 106	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Moderate	Low
9894	465 E. High St. Lexington	465 E High St	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
9897	2347 Sterlington Rd	2347 Sterlington Rd	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
9898	2850 Penbroke Rd	2850 Penbroke Rd	Hopkinsville	Christian	PeADD	Severe	Low	Severe	Severe	Moderate	Low	Low
9900	KSP Crime Lab	100 Sower Blvd	Frankfort	Franklin	BGADD	Severe	Low	High	Low	Low	Low	Moderate
9902	Fulton Health Department	350 Browder St	Fulton	Fulton	PADD	Low	Low	Severe	Severe	High	Moderate	Moderate
9903	Trover Clinic	605 S. Jefferson St	Princeton	Caldwell	PeADD	Low	Low	Severe	Severe	High	Low	Low
9904	Breathitt County Homeplace	1154 Main St	Jackson	Breathitt	KRADD	Low	Low	Low	Low	Low	High	Severe
9906	Lee County Homeplace	120 Main St	Beattyville	Lee	KRADD	Low	Low	Low	Low	Low	High	Severe

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							Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire
9907	Heuser Hearing Institute	111-117 E Kentucky St	Louisville	Jefferson	Louisville Metro	Low	Low	Moderate	Moderate	Low	Low	Low
9909	Johnson Co. Rec/Comm Center Paintsville, KY	232 Preston St	Paintsville	Johnson	BSADD	Severe	Low	Low	Moderate	Low	High	Moderate
9910	Salvation Army	736 W Main St	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Moderate	Low
9911	Edythe Hayes Middle School	264 Richardson Place	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
9912	108 Bulldog Ln, Rm 16	108 Bulldog Ln, Rm 16	Louisa	Lawrence	FIVCO	Severe	Low	Low	Low	High	Low	Low
9913	UK Healthcare Sports Medicine	601 Perimeter Drive	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Moderate	Low
9914	Magoffin Co. Health Dept.	132 East Mountain Pkwy	Salysersville	Magoffin	BSADD	Low	Low	Low	Low	Low	Moderate	Severe
9916	Lotts Creek Community School	5837 Lotts Creek Rd.	Hazard	Perry	KRADD	Low	Low	Low	Moderate	Low	Low	Severe
9919	Commonwealth Office of Technology	101 Cold Harbor Dr	Frankfort	Franklin	BGADD	Low	Low	High	Low	Low	Moderate	Moderate
9921	(new) Eastern State Hospital	1350 Bull Lea Rd	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Moderate	Low
9922	343 Waller Ave	343 Waller Ave	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Moderate	Low
9923	Eastern State Hospital Central Plant	1342 Bull Lea Rd.	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Moderate	Low
9924	Best Praticce Family Health	1358 Watergap Rd	Prestonsburg	Floyd	BSADD	Low	Low	Low	Low	Low	Moderate	Severe
9925	Alpha Phi Sorority	417 Columbia Ave	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	High	Low
9926	UK Golf Practice Facility	4850 Leestown Rd	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
9930	KY Homeplace-Carter Co.	101 Fraley-Miller Plaza Ste B	Grayson	Carter	FIVCO	Low	Low	Low	Moderate	High	Moderate	High
9931	1105 Julianna Ct	1105 Julianna Ct	Elizabethtown	Hardin	LTADD	Severe	Low	Moderate	Moderate	Low	Low	Low
9932	Knox County Homeplace	320 Hight St	Barbourville	Knox	CVADD	Low	Low	Low	High	Low	High	Low
9933	233-299 E Main St	233-299 E Main St	Morehead	Rowan	GWADD	Severe	Low	Low	Moderate	Low	High	High
9936	Eastern State Hospital Central KY Recovery Center #1	1358 Bull Lea Rd	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Moderate	Low
9937	Eastern State Hospital Central KY Recovery Center #2	1366 Bull Lea Rd.	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Moderate	Low
9938	Eastern State Hospital Central KY Recovery Center #3	1374 Bull Lea Rd.	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Moderate	Low
9939	Eastern State Hospital Central KY Recovery Center #4	1382 Bull Lea Rd.	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Moderate	Low
9941	3470 Blazer Parkway	3470 Blazer Parkway	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
9947	2355 Huguenard Dr	2355 Huguenard Dr	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low

Building ID	Building Name	Address	City	County	Area Development District (ADD)/Local Hazard Mitigation Plan	Exposure Score	Hazard Scores					
							Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire
9949	Cardinal Hill Hospital	2050 Versailles Rd	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	High
9953	2365 Harrodsburg Rd	2365 Harrodsburg Rd	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
9954	Crounse Building	4810 Alben Barkley Dr	Paducah	McCracken	PADD	Severe	Low	Severe	Severe	High	Low	Moderate
9957	Centralized Laboratory	100 Sower Blvd	Frankfort	Franklin	BGADD	Severe	Low	High	Low	Low	Low	Moderate
9958	Family Ties Resource	0	0			Severe	Low	High	Low	Low	Low	Low
9961	Old Sullivan College,LCC-S	2659 Regency Rd	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
9962	Bourbon Medical Center	0	0			Severe	Low	High	Low	Low	Low	Low
9970	Henderson CC Admin Bldg	0	0			Severe	Low	High	Low	Low	Low	Low
9977	Ashland Technical College	0	0			Severe	Low	High	Low	Low	Low	Low
9978	206 1st St	206 1st St	Morehead	Rowan	GWADD	Severe	Low	Low	High	Low	High	Low
9979	LCC Winchester-Clark County Campus	36 Wheeler Ave	Winchester	Clark	KIPDA	Severe	Low	High	Moderate	Low	Low	Low
9980	2900 Cofer Rd	2900 Cofer Rd	Richmond	Madison	BGADD	Severe	Low	Low	Low	Low	Low	Low
9982	176 Pasadena Dr	176 Pasadena Dr	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
9983	College of Medicine Building	138 Leader Ave	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Low
9984	KMSF	2333 Alumni Park Plaza	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Moderate	Low
9987	Stor All Man Oâ€™™ War	2750 Palumbo Dr, Unit# 948	Lexington	Fayette	LFUCG	Low	Low	High	Low	Low	Low	Low
9992	Central Baptist, Building C	1760 Nicholasville Rd	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Low	Moderate
9997	Rock of Ages	771 W Main St	Lexington	Fayette	LFUCG	Severe	Low	High	Low	Low	Moderate	Low
9998	413 Main St Hazard, KY	413 Main St	Hazard	Perry	KRADD	Severe	Low	Low	Moderate	Low	High	Moderate

Exposure and Hazard Scores (Hazards H-W)

Building ID	Building Name	Address	City	County	Area Development District (ADD)/Local Hazard Mitigation Plan	Hazard Scores					
						Hailstorm	Karst/ Sinkhole	Landslide	Mine Subsidence	Tornado	Winter Storm
0	MAIN CAMP FLOATER	0	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
1	Taylor Education Bldg	597 S Upper St	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
2	Scott St Bldg	110 Scott St	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
3	Research Facility #1	111 Washington Ave	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
4	Central Heating Plant #2	598 S Upper St	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
5	Frank D. Peterson Service Bldg	411 S Limestone	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
9	Patterson Hall	335 South MLK Blvd	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
10	Hamilton House	342 S Limestone	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
12	Blazer Hall	343 S Martin Luther King Blvd	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
13	KGS Core Library	2500 Research Park Dr	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
14	Boone Faculty Center	500 Rose St	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
15	Sturgill (William B.) Development Bldg	450 Rose St	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
16	Gatehouse KY Clinic	140 Huguelet Dr	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
17	Dickey Hall	251 Scott St	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
19	Memorial Coliseum	201 Avenue of Champions	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
20	Engineering Transportation Research Garage	531 S Limestone	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
21	Old Engineers Residence	421 Rose St	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
22	Fine Arts Guignol Bldg	465 Rose St	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
23	Police (Safety and Security)	305 Euclid Ave	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
24	Lafferty Hall	150 Patterson Dr	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
25	White Hall Classroom Bldg	140 Patterson Dr	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
26	Student Center Addition	180 Avenue of Champions	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
27	Patterson Office Tower	120 Patterson Dr	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
28	Barker Hall	408 Administration Dr	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low

Building ID	Building Name	Address	City	County	Area Development District (ADD)/Local Hazard Mitigation Plan	Hazard Scores					
						Hailstorm	Karst/ Sinkhole	Landslide	Mine Subsidence	Tornado	Winter Storm
29	Alumni Gym	102 Avenue of Champions	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
30	Student Center	404 Administration Dr	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
31	Frazer Hall	406 Administration Dr	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
32	Main (Administration) Bldg	410 Administration Dr	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
33	Ezra Gillis Bldg	502 Administration Dr	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
34	Carol Martin Gatton Business & Economics Bldg	550 S Limestone	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
35	Miller Hall	504 Administration Dr	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
36	Gatehouse Gate 2	620 Gladstone Ave	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
37	109 State St	109 State St	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
38	Engineering Annex (Mining Laboratory)	169 Funkhouser Dr	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
39	Margaret I. King Library	179 Funkhouser Dr	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
40	Maxwell Place	471 Rose St	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
41	Pence Hall	175 Funkhouser Dr	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
42	Grehan Journalism Bldg	167 Funkhouser Dr	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
43	Whalen (S. J. Sam) Transportation Bldg	533 S Limestone	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
44	Kastle Hall	171 Funkhouser Dr	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
45	McVey Hall	155 Graham Ave	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	Low
46	F. Paul Anderson Tower	512 Administration Dr	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
47	C. W. Mathews Bldg	606 S Limestone	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
48	Law Building	620 S Limestone	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
49	Memorial Hall	610 S Limestone	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
50	Erikson Hall	135 Graham Ave	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
51	Mineral Industries Bldg	120 Graham Ave	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low

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						Hailstorm	Karst/ Sinkhole	Landslide	Mine Subsidence	Tornado	Winter Storm
52	Terrell Civil Engineering Bldg	140 Graham Ave	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
53	Slone Research Bldg	121 Washington Ave	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
54	Funkhouser Bldg	160 Funkhouser Dr	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
55	Chemistry-Physics Building	505 Rose St	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
56	Breckinridge Hall	168 Funkhouser Dr	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
57	Kinthead Hall	172 Funkhouser Dr	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
58	Bradley Hall	545 Rose St	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
59	Bowman Hall	151 Washington Ave	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
61	Tobacco Research Laboratory	150 Washington Ave	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
63	Shed Ecological Research	1685 Russell Cave Road	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
64	Scovell Hall	115 Huguelet Dr	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
65	Small Animal Lab	150 Huguelet Dr	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
66	Agronomy Head House & Greenhouses 1 & 2	152 Huguelet Dr	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
67	Chi Omega Sorority	456 Rose St	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
68	Delta Delta Delta Sorority	468 Rose St	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
69	Alpha Delta Pi Sorority	476 Rose St	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
73	Cooper Forestry (Thomas Poe) Bldg	730 Rose St	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
74	Shively Track & Field Stadium	698 Sports Center Dr	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
75	Kelley Building	360 Huguelet Dr	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
76	Dimmock Animal Pathology	1081 Veterans Dr	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
77	653 Maxwellton Ct.	653 Maxwellton Ct.	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
78	Med Center Annex #5	1096 Veterans Dr	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
79	Central Residence Hall II	361 Huguelet Dr	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
80	Central Residence Hall I	340 Hilltop Ave	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
81	Cooker Trailer Storage	300 Alumni Dr	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
82	Multi-Disciplinary Science Building (MDS)	725 Rose St	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low

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						Hailstorm	Karst/ Sinkhole	Landslide	Mine Subsidence	Tornado	Winter Storm
83	453 Columbia Ave	453 Columbia Ave	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
84	Gatehouse Roach Bldg	750 Rose St	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
85	Medical Center Heating and Cooling Plant	151 Hospital Dr	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
86	College of Medicine Office Bldg	1100 Veterans Dr	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
87	Medical Center Storage Facility	1530 College Way	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
88	Agriculture Motor Pool	1505 College Way	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
89	Cooling Plant #1	195 Hospital Dr	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
90	University Lofts	236 Bolivar Ave	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
91	Agriculture Science Center North	1100 S Limestone	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
92	Seed House	150 Hospital Dr	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
93	Ben Roach Cancer Care Facility	750 Rose St	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
94	Cooper House	1312 Nicholasville Rd	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
95	Champions Court I	344 S. Martin Luther King Blvd.	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
96	Combs Cancer Research Center	744 Rose St	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
97	E. S. Goodbarn	1451 University Dr	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
98	Whitney-Hendrickson Cancer Facility for Women (Pavilion WH)	740 Rose St	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
99	Gluck Equine Research Bldg	1400 Nicholasville Rd	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
100	Haggin Hall	325 Huguelet Dr	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
101	Reynolds Warehouse #1	349 Scott St	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
102	Reynolds Warehouse #2	351 Scott St	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
103	Reynolds Warehouse #3	347 Scott St	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
104	Woodland Glen I	720 Woodland Ave	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
105	Commonwealth Village #2	1435 Nicholasville Rd	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
106	Commonwealth Village #1	1435 Nicholasville Rd	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
107	Mining & Minerals Research Bldg	504 Rose St	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High

Building ID	Building Name	Address	City	County	Area Development District (ADD)/Local Hazard Mitigation Plan	Hazard Scores					
						Hailstorm	Karst/ Sinkhole	Landslide	Mine Subsidence	Tornado	Winter Storm
108	Robotics Facility	143 Graham Ave	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
109	Wendell & Vickie Bell Soccer Complex	550 Wildcat Ct	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
110	Maintenance Bldg (Athletics)	704 Sports Center Dr	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
113	Shively Sports Center	712 Sports Center Dr	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
116	Seigler Hall (UAV Shed)	Hedger Ln	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
117	Soccer Filming Tower	570 Wildcat Ct	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
118	Fraternity House Storage	454 Hilltop Ave	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
119	Helen King Alumni Building	400 Rose St	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
120	Woodland Glen II	650 Woodland Ave	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
121	Sigma Nu Fraternity	422 Rose Ln	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
122	Delta Gamma Sorority	450 Pennsylvania Ave	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
123	Champions Court II	326 S Martin Luther King Blvd	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
124	Delta Zeta Sorority	319 Columbia Ter	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
125	Kappa Alpha Theta Sorority	329 Columbia Ter	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
126	Phi Delta Theta Fraternity	327 Columbia Ter	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
127	Alpha Gamma Delta Sorority	325 Columbia Ter	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
128	Kappa Delta Sorority	323 Columbia Ter	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
129	Delta Sigma Phi Fraternity	321 Columbia Ter	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
137	Alpha Gamma Rho Fraternity	419 Huguelet Dr	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
138	Phi Sigma Kappa Fraternity	439 Huguelet Dr	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
139	The 90	440 Hilltop Ave	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
141	New Farmhouse Fraternity	456 Rose Ln	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
143	Blanding II	763 Woodland Ave	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
144	Blanding III	765 Woodland Ave	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
145	Blanding Tower	769 Woodland Ave	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
146	Blanding IV	767 Woodland Ave	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low

Building ID	Building Name	Address	City	County	Area Development District (ADD)/Local Hazard Mitigation Plan	Hazard Scores					
						Hailstorm	Karst/ Sinkhole	Landslide	Mine Subsidence	Tornado	Winter Storm
147	Complex Commons	770 Woodland Ave	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
148	Kirwan IV	756 Woodland Ave	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
149	Kirwan Tower	758 Woodland Ave	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
150	Kirwan III	754 Woodland Ave	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
151	Kirwan II	752 Woodland Ave	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
152	Kirwan I	750 Woodland Ave	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
153	Blanding I	761 Woodland Ave	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
154	Head House	150 Hospital Dr	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
155	Greenhouse No 2	150 Hospital Dr	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
156	Greenhouse No 4	150 Hospital Dr	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
157	Greenhouse No 7	150 Hospital Dr	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
158	Greenhouse No 5	150 Hospital Dr	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
159	Greenhouse No 3	150 Hospital Dr	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
160	Greenhouse No 1	150 Hospital Dr	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
161	Greenhouse No 9	150 Hospital Dr	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
162	Greenhouse No 11	150 Hospital Dr	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
163	Greenhouse No 6	150 Hospital Dr	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
164	Greenhouse No 12	150 Hospital Dr	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
165	106 Conn Terrace	106 Conn Terrace	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
166	Gatehouse Administration Dr.	520 S Limestone	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
167	Gatehouse Rose & Chem/Physics	525 Rose St	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
168	Motor Pool Storage Shed	1505 College Way	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
170	Gatehouse Student Center	200 Avenue of Champions	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
172	Alpha Gamma Rho Fraternity (AGR)	470 Rose Lane	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
173	Gatehouse Med Plaza	140 Huguelet Dr	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
174	Academic Science Building	305 Huguelet Dr	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low

Building ID	Building Name	Address	City	County	Area Development District (ADD)/Local Hazard Mitigation Plan	Hazard Scores					
						Hailstorm	Karst/ Sinkhole	Landslide	Mine Subsidence	Tornado	Winter Storm
175	Gatehouse Med Plaza	140 Huguelet Dr	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
176	Gatehouse KY Clinic	140 Huguelet Dr	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
177	Residence Motor Pool	1510 College Way	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
178	Gatehouse Young Library	449 Hilltop Ave	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
180	113 State St	113 State St	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
181	Woodland Glen III	685 Sports Center Dr	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
182	Isolation Barn Incinerator	1525 College Way	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
183	Isolation Barn	1531 College Way	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
184	Agricultural Machine Research Lab	411 Stadium View	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
185	Garage by Motor Pool Residence	1510 College Way	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
186	Woodland Glen IV	703 Sports Center Dr	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
187	Bus Shelter #5(Stadium Blue Lot)	1540 University Dr	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
188	Woodland Glen V	693 Sports Center Dr	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
189	Shawneetown Bldg A	1608 University Ct Apts A101-A315	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
190	Shawneetown Bldg B	1608 University Ct Apts B101-B313	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
191	Shawneetown Bldg D	1608 University Ct Apts D101-D313	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
192	Shawneetown Bldg F	1608 University Ct Apts F101-F313	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
193	Shawneetown Bldg E	1608 University Ct Apts E101-E315	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
194	Shawneetown Bldg C	1608 University Ct Apts C101-C315	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
196	Stoll Field Viewing Tower	180 Avenue of Champions	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
197	Parking Garage No 1	1290 Veterans Dr	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
198	Parking Garage No 2	301 Hilltop Ave	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
199	Parking Garage No 3	140 Huguelet Dr	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
200	Wethington Allied Health Building	900 S Limestone	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low

Building ID	Building Name	Address	City	County	Area Development District (ADD)/Local Hazard Mitigation Plan	Hazard Scores					
						Hailstorm	Karst/ Sinkhole	Landslide	Mine Subsidence	Tornado	Winter Storm
202	Parking Garage No 5	409 S Limestone	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
203	1037 South Limestone St	1037 South Limestone St	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
204	Cooling Plant #2	591 S Upper St	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
205	Phi Mu (Greek Park)	462 Rose Lane	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
207	Arts Metal Bldg	357 Scott St	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
210	Reynolds Warehouse No 4	355 Scott St	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
211	Maxwell Place Garage	475 Rose St	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
212	Lancaster Aquatics	416 Complex Dr	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
213	Boone Tennis Center	454 Complex Dr	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
214	Flammable Storage Bldg	148 Graham Ave	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
215	Garrigus (W.P.) Bldg	325 Cooper Dr	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
216	Multi-Disciplinary Research Lab No 3	700 S Limestone	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
217	Electric Substation #2	587 S Upper St	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
219	Seaton Center	1210 University Dr	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
220	Bernard Johnson Student Rec Ctr	430 Complex Dr	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
222	Commonwealth Stadium	1540 University Dr	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
223	Warren Wright Medical Plaza	745 Rose St	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
224	Lucille Caudill Little Fine Arts Library	160 Patterson Dr	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
225	Morgan (T H) Biological Sciences	675 Rose St	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
227	Recreation Equipment Storage Bldg	452 Complex Dr	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
229	Agricultural Distribution Center	412 Stadium View	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
230	Sanders-Brown Gerontology Center	800 S Limestone	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
231	Farm Maintenance Storage Shed	1521 College Way	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
232	Nursing Learning Center	751 Rose St	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
235	John W Oswald Bldg	460 Cooper Dr	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
236	Tobacco & Health Research Institute	1401 University Dr	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
240	468 Rose Ln	468 Rose Ln	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
241	Singletary Center for the Arts	405 Rose St	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High

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						Hailstorm	Karst/ Sinkhole	Landslide	Mine Subsidence	Tornado	Winter Storm
243	Greg Page Apartments 1	300 Alumni Dr	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
244	Greg Page Apartments 2	300 Alumni Dr	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
245	Greg Page Apartments 3	300 Alumni Dr	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
246	Greg Page Apartments 4	300 Alumni Dr	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
247	Greg Page Apartments 5	300 Alumni Dr	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
248	Greg Page Apartments 6	300 Alumni Dr	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
249	Greg Page Apartments 7	300 Alumni Dr	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
250	Greg Page Apartments 8	300 Alumni Dr	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
252	Greg Page Apartments 10	300 Alumni Dr	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
253	Greg Page Apartments 11	300 Alumni Dr	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
254	Greg Page Apartments 12	300 Alumni Dr	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
255	Greg Page Apartments 13	300 Alumni Dr	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
256	Greg Page Apartments 14	300 Alumni Dr	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
257	Greg Page Apartments 15	300 Alumni Dr	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
258	Greg Page Apartments 16	300 Alumni Dr	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
259	Greg Page Apartments 17	300 Alumni Dr	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
260	Greg Page Apartments 18	300 Alumni Dr	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
261	Greg Page Apartments 19	300 Alumni Dr	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
262	Greg Page Apartments 20	300 Alumni Dr	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
263	Greg Page Apartments 21	300 Alumni Dr	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
264	Greg Page Apartments 22	300 Alumni Dr	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
265	Greg Page Apartments 23	300 Alumni Dr	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
266	Greg Page Apartments 24	300 Alumni Dr	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
267	Greg Page Apartments 25	300 Alumni Dr	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
268	Greg Page Food Storage Laundry	300 Alumni Dr Suite 213	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
269	Communications Building	430 Stadium View	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
272	Information Building (Ticket Booth)	1510 University Dr	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
274	Moloney Building (BCTC)	450 Cooper Dr	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
275	Bruce Poundstone Regulatory Services Bldg	1600 University Ct	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low

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						Hailstorm	Karst/ Sinkhole	Landslide	Mine Subsidence	Tornado	Winter Storm
276	Barnhart Building (C.E. Barnhart)	1398 Nicholasville Rd	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
277	Nutter Football Training Facility	720 Sports Center Dr	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
278	PPD Storage Bldg	435 Stadium View	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
279	BIRP Building	460 Stadium View	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
280	The Football Training Facility	295 Alumni Drive	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
281	Oliver H. Raymond Civil Engineering	508 Administration Dr	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
282	Gas Storage Bldg. M&M	390 Columbia Ave	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
283	Hagan Baseball Stadium	700 Sports Center Dr	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
284	Kentucky Clinic	740 S Limestone	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
285	Nutter Field House	1401 Sports Center Dr	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
286	ASTeCC	145 Graham Ave	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
287	Electric HVAC Bldg	425 Stadium View	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
288	PPD Greenhouse	455 Stadium View	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
289	Hazardous Waste Storage	475 Stadium View	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
293	UK Hospital-Chandler Medical Center & Hospital	800 Rose St	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
294	Gill Heart Institute (Pavilion G)	842 Rose St	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
297	Dental Science Bldg	800 Rose St	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
298	William R. Willard Medical Education Bldg	800 Rose St	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
300	Arboretum Tool Shed	510 Alumni Dr	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
301	154 Bonnie Brae/Rental	154 Bonnie Brae Dr	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
302	Arboretum Visitor Center	500 Alumni Dr	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
303	Arboretum Restrooms	500 Alumni Dr	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
305	Health Sciences Research Bldg	1095 Veterans Dr	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
308	HOSPITAL SMOKING SHL	0	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
312	Plant Science Building	1405 Veterans Dr	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
313	455 Woodland Ave	455 Woodland Ave	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
314	Environmental Health and Safety	252 E Maxwell St	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low

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						Hailstorm	Karst/ Sinkhole	Landslide	Mine Subsidence	Tornado	Winter Storm
315	KY Humanities Council	206 E Maxwell St	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
317	408 Pennsylvania Court	408 Pennsylvania Ct	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
324	315 Scott St	315 Scott St	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
325	317 Scott St	317 Scott St	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
327	321 Scott St	321 Scott St	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
333	Appalachian Center Annex	641 S Limestone	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
336	Thomas D Clark Bldg	663 S Limestone	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
337	Thomas D Clark Bldg Garage	663 S Limestone	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
343	Bingham Davis House	218 E Maxwell St	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
344	Raymond F. Betts House	232 E Maxwell St	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
345	Max Kade German House	212 E Maxwell St	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
346	654 Maxwellton Ct	654 Maxwellton Ct	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
347	Appalachian Center	624 Maxwellton Ct	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	High
348	626 Maxwellton Ct	626 Maxwellton Ct	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
349	School of Psychology Clinic	641 Maxwellton Ct	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
350	Center on Drug and Alcohol Research	643 Maxwellton Ct	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
351	J. Harris Psychological Services	644 Maxwellton Ct	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
353	520 Oldham Ct	520 Oldham Ct	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
355	123 State St	123 State St	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
356	119 State St	119 State St	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
360	400 Pennsylvania Ct	400 Pennsylvania Ct	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
361	402 Pennsylvania Ct	402 Pennsylvania Ct	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
362	405 Pennsylvania Ct	405 Pennsylvania Ct	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
363	406 Pennsylvania Ct	406 Pennsylvania Ct	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
365	410 Pennsylvania Ct	410 Pennsylvania Ct	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
377	319 Rose Ln	319 Rose Ln	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
378	321 Rose Ln	321 Rose Ln	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
381	162-164 Gazette Avenue	162 Gazette Ave	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low

Building ID	Building Name	Address	City	County	Area Development District (ADD)/Local Hazard Mitigation Plan	Hazard Scores					
						Hailstorm	Karst/ Sinkhole	Landslide	Mine Subsidence	Tornado	Winter Storm
382	Sky Blue Solar House	1313 Nicholasville Rd	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
386	150 Gazette Avenue	150 Gazette Ave	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
390	Bus Shelter #1- (Alumni Gym)	110 Avenue of Champions	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
391	Bus Shelter #2- (Rose & Euclid)	274 Avenue of Champions	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
392	Bus Shelter #3- (Chem-Physics)	503 Rose St	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
393	Bus Shelter #7- (Corner LCC & Red Lot)	440 Cooper Dr	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
394	Bus Shelter #6-(Agr Sci & Nicholasville Rd)	317 Cooper Dr	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
397	Bus Shelter #9-(at exit @ Shawneetown)	1608 University Ct	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
398	Bus Shelter #10-(at Taylor Educ.bldg)	599 S Upper St	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
399	Bus Shelter #11	639 S Limestone	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
400	Ellen H. Richards House	630 Maxwellton Ct	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
401	Weldon House	635 Maxwellton Ct	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
409	341-343 Scott Street	341-343 Scott Street	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
412	403 Pennsylvania Ct	403 Pennsylvania Ct	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
413	Softball/Soccer Locker Rooms	556 Wildcat Ct	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
416	Bus Shelter #12- (Bldg.#3)	125 Washington Ave	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
417	Minority Affaris/Learning Service Center	660 S Limestone	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	High
418	Bus Shelter #4-(at Commonwealth)	1580 University Dr	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
419	Bus Shelter #13-(at Medical Center)	790 Rose St	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
420	Child Development Research Facility	424 Euclid Ave	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
432	Commonwealth House	226 E Maxwell St	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
433	William E. and Casiana Schmidt Vocal Arts Center	412 Rose St	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
442	Ligon House	658 S Limestone	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	High
446	John Cropp Softball Stadium	570 Wildcat Ct	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low

Building ID	Building Name	Address	City	County	Area Development District (ADD)/Local Hazard Mitigation Plan	Hazard Scores					
						Hailstorm	Karst/ Sinkhole	Landslide	Mine Subsidence	Tornado	Winter Storm
447	Hitting Pavilion	558 Wildcat Ct	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
448	Football Storage Shed	710 Sports Center Dr	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
449	Shively Grounds Storage Bldg	708 Sports Center Dr	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
453	Shively Grounds Bldg	706 Sports Center Dr	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
456	W.T. Young Library	401 Hilltop Ave	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
460	149 Transcript Ave	149 Transcript Ave	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
461	153 Transcript Ave	153 Transcript Ave	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
462	Limestone Park I	111 Avenue of Champions	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
463	Limestone Park II	329 South MLK Blvd	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
467	220 Transcript Ave	220 Transcript Ave	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
473	Biological Safety	505 Oldham Ct	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
481	LCC Academic/Tech	470 Cooper Dr	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
482	408 Linden Walk	408 Linden Walk	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
484	Real Properties Garage	518 Oldham Ct	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
485	Boone Tennis Stadium	725 Sports Center Dr	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
487	Real Properties Office	518 Oldham Ct	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
488	Woodland Early Learning Center	575 Woodland Ave	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
489	Dental and Oral Health Research	1117 S Limestone	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
490	Environmental Quality Management	355 Cooper Dr	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
491	Ecological Research	1685 Russell Cave Rd	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
494	Career (Stuckert) Center	408 Rose St	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
495	James F. Hardyman Communications Bldg	301 Rose St	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
503	Anderson Mechanical Engineering Building	506 Administration Dr	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
504	Sigma Chi Fraternity House	447 Pennsylvania Ave	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
505	Alpha Tau Omega Fraternity	441 Pennsylvania Ave	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High

Building ID	Building Name	Address	City	County	Area Development District (ADD)/Local Hazard Mitigation Plan	Hazard Scores					
						Hailstorm	Karst/ Sinkhole	Landslide	Mine Subsidence	Tornado	Winter Storm
506	Robert Straus Behavioral Research Building	515 Oldham Ct	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
507	Sigma Alpha Epsilon Fraternity	410 Rose Ln	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
509	Biomedical Biological Sciences Research Building (BBSRB)	741 S Limestone	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
514	Central Utility Plant #4	751 Press Ave	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
517	College of Medicine Learning Center	807 S Limestone	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
518	Biological/Biomedical Research Bldg Generator Bldg	761 Press Ave	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
564	630 S Broadway	630 S Broadway	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
565	Smith Hall	740 Woodland Ave	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
566	Dale E Baldwin Bldg	701 Sports Center Dr	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
567	Ingels Hall (Margaret)	705 Sports Center Dr	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
568	David P. Roselle Hall	125 Avenue of Champions	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
571	Parking Garage No 6	721 Press Ave	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
572	Parking Garage No 7	721 Sports Center Dr	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
574	Center for Pharmaceutical Science & Technology	1575 McGrathiana Pkwy	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
582	University Health Service (Student Health)	830 S Limestone	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
585	Baseball Training Pavillion	702 Sports Center Dr	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
592	Storage Shed	485 Stadium View	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
596	Bio-Pharm (BP)	789 S Limestone	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
600	House	413 Pennsylvania Ct	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
601	Parking Garage No 8	110 Transcript Ave	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
602	Patient Care Facility (Pavilion A)	1000 S Limestone	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
603	WUKY ANTENNA	0		Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
604	Joe Craft Center (Memorial Coliseum Addition)	338 Lexington Ave	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
607	788 Press Ave	788 Press Ave	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
608	792 Press Ave	792 Press Ave	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low

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						Hailstorm	Karst/ Sinkhole	Landslide	Mine Subsidence	Tornado	Winter Storm
609	796 Press Ave	796 Press Ave	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
610	800 Press Ave	800 Press Ave	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
611	Good Samaritan Medical Office Building	125 E Maxwell St	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
612	Good Samaritan Chiller Building	320 S Limestone	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
613	Good Samaritan Parking Structure	330 S Limestone	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
616	Seaton Center Storage	1214 University Dr	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
617	118 Conn Terrace	118 Conn Terrace	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
618	MacAdam Student Observatory	538 Rose St	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
619	102 Conn Terrace	102 Conn Ter	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
620	Aviary Facility	1689 Russell Cave Rd	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
621	Residence	104 Conn Ter	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
622	Residence	108 Conn Ter	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
623	Residence	110 Conn Ter	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
624	Residence	120 Conn Ter	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
625	Offices	1105 S Limestone	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
626	Residence	1119 S Limestone	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
630	Air Medical Crew Quarters	1529 College Way	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
633	Davis Marksbury Building	329 Rose St	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
634	UK/Lemark Ctr for Innovation in Math & Science Education	1737 Russell Cave Rd	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
635	Maintenance Building	1749 Russell Cave Rd	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
636	Apartments	411 Pennsylvania Ct	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
637	Apartments	1041 S Limestone	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	Low
639	Apartments	1045 S Limestone	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
641	Apartments	409 Pennsylvania Ct	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
644	Wildcat Coal Lodge (new construction)	318 College View Ave	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
645	179 Leader Ave	179 Leader Ave	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
646	404 Pennsylvania Ct	404 Pennsylvania Ct	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
647	213 Transcript Ave	213 Transcript Ave	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low

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						Hailstorm	Karst/ Sinkhole	Landslide	Mine Subsidence	Tornado	Winter Storm
648	221 Transcript Ave	221 Transcript Ave	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
649	217 Transcript Ave	217 Transcript Ave	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
651	Mandrell Hall	635 S Limestone St	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
652	Bosworth Hall	631 S. Limestone St	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
653	Sanders Hall	629 S Limestone St	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
654	Building 100	625 S Limestone St, Bldg 100	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
655	Building 200	625 S Limestone St, Bldg 200	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
656	Building 300	625 S Limestone St, Bldg 300	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
657	Building 400	621 S Limestone St	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
658	Maintenance Bldg.	627 Maxwellton Ct	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
659	Gas Building	623 Maxwellton Ct	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
660	Maxwelton Ct. Apts #1	633 Maxwellton Ct., Apts #1	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
661	Maxwelton Ct. Apts #2	633 Maxwellton Ct., Apts #2	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
662	Maxwelton Ct. Apts #3	633 Maxwellton Ct., Apts #3	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
663	Maxwelton Ct. Apts #4	633 Maxwellton Ct., Apts #4	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
664	Maxwelton Ct. Apts #5	633 Maxwellton Ct., Apts #5	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
665	Maxwelton Ct. Apts #6	633 Maxwellton Ct., Apts #6	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
666	Maxwelton Ct. Apts #7	633 Maxwellton Ct., Apts #7	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
667	Maxwelton Ct. Apts #8	633 Maxwellton Ct., Apts #8	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
668	Maxwelton Ct. Apts #9	633 Maxwellton Ct., Apts #9	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
669	Maxwelton Ct. Apts #10	633 Maxwellton Ct., Apts #10	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
670	Maxwelton Ct. Apts #11	633 Maxwellton Ct., Apts #11	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low

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						Hailstorm	Karst/ Sinkhole	Landslide	Mine Subsidence	Tornado	Winter Storm
671	Maxwelton Ct. Apts #12	633 Maxwelton Ct., Apts #12	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
672	Maxwelton Ct. Apts #13	633 Maxwelton Ct., Apts #13	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
673	Maxwelton Ct. Apts #14	633 Maxwelton Ct., Apts #14	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
674	Maxwelton Ct. Apts #15	633 Maxwelton Ct., Apts #15	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
675	Maxwelton Ct. Apts #16	633 Maxwelton Ct., Apts #16	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
1200	Electric Substation #1	196 Hospital Dr	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
1201	Electric Substation #3	829 Press Ave	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
2059	AFBC Coal Prep Bldg-CAER	2540 Research Park Dr	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
2060	Cold Storage Bldg-CAER	2540 Research Park Dr	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
2061	Synthesis and Pitch Laboratory	2540 Research Park Dr	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
2062	Gazebo-CAER	2540 Research Park Dr	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
2063	Maintenance Bldg-CAER	2540 Research Park Dr	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
2064	Industrial Support Facility	2540 Research Park Dr	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
2065	Drying Pad-CAER	2540 Research Park Dr	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
2067	Fiber Development Facility	2540 Research Park Dr	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
2068	Mineral Processing Facility	2524 Research Park Dr	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
2069	Algae Greenhouse	3414 Iron Works Pike	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
2070	CAER Laboratory 2	2582 Research Park Dr	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
2072	F-T Process Development Unit	2510 Research Park Dr	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
2142	VA Medical Hospital	1101 Veterans Dr	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
2147	Rupp Arena	430 W Vine St	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
2255	ALBERT STEWART HOUSE	Highway 80	Hindman	Fayette	LFUCG	Low	Moderate	Moderate	Low	Low	Low

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						Hailstorm	Karst/ Sinkhole	Landslide	Mine Subsidence	Tornado	Winter Storm
2301	Crisp Bldg/Challenger Learning Center	4810 Alben Barkley Dr	Paducah	Fayette	LFUCG	Moderate	Low	Low	Low	High	High
2302	Emerging Technology Center	4810 Alben Barkley Dr	Paducah	Fayette	LFUCG	Moderate	Low	Low	Low	High	High
2310	Crisp Building (former Pepsi Bottling Co.)	3000 Irvin Cobb Dr.	Paducah	Fayette	LFUCG	Moderate	Moderate	Low	Low	Severe	High
2401	Bailey-Stumbo Building (UK Center for Rural Health)	750 Morton Blvd	Hazard	Fayette	LFUCG	Low	Low	Moderate	Low	Low	Low
2500	KY Geological Survey (field Henderson)	1401 Corporate Park	Henderson	Fayette	LFUCG	High	Moderate	Low	Low	High	High
2501	Henderson Garage	1401 Corporate Ct	Henderson	Fayette	LFUCG	High	Moderate	Low	Low	High	High
3000	Coldstream Farm Floater	0	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3001	Coldstream Kiln	2788 Dairy Rd	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
3002	Vet Science Compost	2860 Becky Sue Lane	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3003	Poultry Research Facility-Coldstream Farm	2630 Dairy Rd	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3004	Picnic Pavilion @ Camahan House	1701 Newtown Pike	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
3005	Horticulture Storage Barn-Coldstream Farm	3110 Becky Sue Ln	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3006	Vet Science Hoop Shed	2970 Becky Sue Ln	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3007	Horticulture Storage Barn-Coldstream Farm	3100 Becky Sue Ln	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3016	Dry Cow Shed-Coldstream Farm	3331 Dairy Rd	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3017	Round Bale Storage	2980 Becky Sue Ln	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3031	Aluminum Research Bldg	1505 Bull Lea Rd	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3100	Coldstream Farm Equipment Floater	1701 Newtown Pike	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
3115	Shop-Coldstream Farm	1701 Newtown Pike	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
3116	Apartment Garage-Coldstream Farm	1701 Newtown Pike	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
3117	Heifer Barn Dairy-Coldstream Farm	3354 Dairy Rd	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3118	Camahan House	1550 Aristides Blvd	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3119	Swimming Pool & Plant	1701 Newtown Pike	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
3148	Swine Metal Storage	1701 Newtown Pike	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
3151	Pond Barn	1701 Newtown Pike	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low

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						Hailstorm	Karst/ Sinkhole	Landslide	Mine Subsidence	Tornado	Winter Storm
3158	Dairy Herdsman House-Coldstream Farm	3450 Dairy Rd	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
3163	Lower Jersey Shed-Coldstream Farm	1701 Newtown Pike	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
3164	Lower Holstein Shed-Coldstream Farm	3362 Dairy Rd	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3165	Upper Holstein Shed-Coldstream Farm	3386 Dairy Rd	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3167	Feed Shed Dairy	3378 Dairy Rd	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3168	Dairy Maternity Barn-Coldstream Farm	3338 Dairy Rd	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3169	Dairy Hoop Shed	2810 Georgetown Rd	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
3170	Dairy Housing Research & Teaching Facility	3386 Dairy Rd	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3171	Field 21 Shed-Coldstream Farm	2863 Becky Sue Ln	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
3172	Goat Lot Shed-Coldstream Farm	2969 Becky Sue Ln	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3173	Lot 22 Shed-Coldstream Farm	2970 Becky Sue Ln	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3174	Animal Path Shed #3-Coldstream Farm	3031 Becky Sue Ln	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3175	Animal Path Shed #4-Coldstream Farm	3091 Becky Sue Ln	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3176	Horse Barn A-Coldstream Farm	2610 Spindletop Way	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3177	Animal Path Barn #10-Coldstream Farm	2880 Jet Pilot Way	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3178	Sheep House-Coldstream Farm	2830 Jet Pilot Way	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3179	Sheep House #2-Coldstream Farm	2790 Jet Pilot Way	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3180	Sheep House #3-Coldstream Farm	2750 Jet Pilot Way	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
3181	Sheep House #4-Coldstream Farm	2740 Jet Pilot Way	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
3182	Animal Path Barn - Coldstream Farm	2865 Jet Pilot Way	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3185	Dairy Office Classroom-Coldstream Farm	3394 Dairy Rd	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3186	Veterinary Diagnostic Laboratory	1490 Bull Lea Rd	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3192	Dairy Round House-Coldstream Farm	1701 Newtown Pike	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low

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						Hailstorm	Karst/ Sinkhole	Landslide	Mine Subsidence	Tornado	Winter Storm
3198	Dairy Calf Barn	3346 Dairy Rd	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3199	Dairy Managers House	3440 Dairy Rd	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3200	Maine Chance Farm Floater	0	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
3201	House Old Office	1909 Research Farm Rd	Lexington	Fayette	LFUCG	Severe	Low	Low	Low	High	Low
3202	Horse Barn 1 MO-Maine Chance	1925 Research Farm Rd	Lexington	Fayette	LFUCG	Severe	Low	Low	Low	High	Low
3203	House MO-Maine Chance	1955 Research Farm Rd	Lexington	Fayette	LFUCG	Severe	Low	Low	Low	High	Low
3204	Climate Change Study	2441 Equine Campus Rd	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3206	Barn 5 - Communications Building	2470 Equine Campus Rd	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3210	Rain Study Shed	2660 Equine Campus Rd	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3211	House MO-Maine Chance	2441 Equine Campus Rd	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3212	Garage MO-Maine Chance	2099 Newtown Pike	Lexington	Fayette	LFUCG	Severe	Low	Low	Low	High	Low
3213	Barn 8 Sheep-Maine Chance	2454 Beaugay Ln	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
3214	Rain Simulator Lab	2660 Equine Campus Rd	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3215	Run In Shed #4	1995 Research Farm Rd	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3216	House -Maine Chance	2362 Equine Campus Rd	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3217	Horse Barn 11-Maine Chance	2346 Equine Campus Rd	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3218	Run In Shed #7	2660 Equine Campus Rd	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3219	Horse Barn 9-Maine Chance	2585 Jet Pilot Way	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
3220	Horse MO-Maine Chance	2150 Jet Pilot Way	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
3221	Garage MO-Maine Chance	2140 Jet Pilot Way	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
3222	Barn 5 M&O Storage-Maine Chance	2470 Equine Campus Rd	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3224	Horse Barn 3-Maine Chance	2008 Star Pilot Ln	Lexington	Fayette	LFUCG	Severe	Low	Low	Low	High	Low
3227	Barn 7 MO-Maine Chance	2546 Gorham Ln	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
3228	Utility Shed MO-Maine Chance	2099 Newtown Pike	Lexington	Fayette	LFUCG	Severe	Low	Low	Low	High	Low

Building ID	Building Name	Address	City	County	Area Development District (ADD)/Local Hazard Mitigation Plan	Hazard Scores					
						Hailstorm	Karst/ Sinkhole	Landslide	Mine Subsidence	Tornado	Winter Storm
3230	House MO-Maine Chance	2528 Gorham Ln	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
3233	Horse Run in Shed-Maine Chance	2099 Newtown Pike	Lexington	Fayette	LFUCG	Severe	Low	Low	Low	High	Low
3234	Horse Farm Mgr Res-Maine Chance	2650 Equine Campus Rd	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
3236	Horse Run in Shed-Maine Chance	2099 Newtown Pike	Lexington	Fayette	LFUCG	Severe	Low	Low	Low	High	Low
3237	Horse Run in Shed-Maine Chance	2099 Newtown Pike	Lexington	Fayette	LFUCG	Severe	Low	Low	Low	High	Low
3238	Stud Barn-Maine Chance	2660 Equine Campus Rd	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3239	Receiving Barn-Maine Chance	2642 Equine Campus Rd	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3240	Shop & Storage Area-Maine Chance	2325 Turner Pl	Lexington	Fayette	LFUCG	Severe	Low	Low	Low	High	Low
3241	Farm Service Center-Maine Chance	2349 Turner Pl	Lexington	Fayette	LFUCG	Severe	Low	Low	Low	High	Low
3242	Storage Bldg-Maine Chance	2317 Turner Pl	Lexington	Fayette	LFUCG	Severe	Low	Low	Low	High	Low
3243	Auto Body Shop-Maine Chance	2355 Turner Pl	Lexington	Fayette	LFUCG	Severe	Low	Low	Low	High	Low
3245	Run In Shed #5	2660 Equine Campus Rd	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3246	Run In Shed #6	1995 Research Farm Rd	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3249	Pony Shed	2673 Jet Pilot Way	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
3250	Garage-Maine Chance	2397 Turner Pl	Lexington	Fayette	LFUCG	Severe	Low	Low	Low	High	Low
3255	Storage Bldg-Maine Chance	1945 Research Farm Rd	Lexington	Fayette	LFUCG	Severe	Low	Low	Low	High	Low
3258	Barn C Shed	2611 Fascinator Lane	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
3259	Horse Corral Vet Science-Maine Chance	2354 Equine Campus Rd	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3260	Equine Nutritional - Maine Chance	2000 Star Pilot Ln	Lexington	Fayette	LFUCG	Severe	Low	Low	Low	High	Low
3261	Pole Shed Bale Storage-Maine Chance	2730 Jet Pilot Way	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
3280	Shaving Storage	2099 Newtown Pike	Lexington	Fayette	LFUCG	Severe	Low	Low	Low	High	Low
3283	Storage Building	2099 Newtown Pike	Lexington	Fayette	LFUCG	Severe	Low	Low	Low	High	Low
3285	AG Vet Science	2099 Newtown Pike	Lexington	Fayette	LFUCG	Severe	Low	Low	Low	High	Low
3286	Vet Science Office	2322 Equine Campus Rd	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3287	Dwelling Mobile Hole	2415 Turner Place	Lexington	Fayette	LFUCG	Severe	Low	Low	Low	High	Low

Building ID	Building Name	Address	City	County	Area Development District (ADD)/Local Hazard Mitigation Plan	Hazard Scores					
						Hailstorm	Karst/ Sinkhole	Landslide	Mine Subsidence	Tornado	Winter Storm
3288	Isolation Barn #1	2801 Roxie Lane	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3289	Isolation Barn #2	2808 Roxie Lane	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3290	AG Hoop Shed #4	2099 Newtown Pike	Lexington	Fayette	LFUCG	Severe	Low	Low	Low	High	Low
3291	FEP Storage Bldg.	1995 Research Farm Rd	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3292	Equine Teaching Pavilion-Main Chance	2011 Star Pilot Ln	Lexington	Fayette	LFUCG	Severe	Low	Low	Low	High	Low
3293	MC/DOT Storage	1965 Research Farm Rd	Lexington	Fayette	LFUCG	Severe	Low	Low	Low	High	Low
3294	Communication Shed	2099 Newtown Pike	Lexington	Fayette	LFUCG	Severe	Low	Low	Low	High	Low
3295	MC Storage #2	1975 Research Farm Rd	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3300	Spindletop Farm Floater	0	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3301	House Spindletop	3250 Iron Works Pike	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3304	House -Spindletop	3250 Iron Works Pike	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
3305	MRLS Shed	3250 Iron Works Pike	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
3306	Horse Corral #3	2715 Spindletop Way	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3307	Agronomy-Greenhouse-Spindletop	3250 Iron Works Pike	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
3308	Agronomy-Greenhouse #3-Spindletop	2922 Spindletop Way	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3309	Storage Bldg-Spindletop	2367 Tim Tam Trl	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3310	Horse Barn C-Spindletop	2603 Fascinator Ln	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
3311	Horse Barn B-Spindletop	2716 Spindletop Way	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3312	Spindletop Administration Building	2624 Research Park Dr	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3313	Small Animal Hospital	2786 Spindletop Way	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3315	Tobacco Barn-Spindletop	2785 Spindletop Way	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3316	Garage-Spindletop	3250 Iron Works Pike	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
3317	House -Spindletop	2791 Spindletop Way	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3319	House -Spindletop	2799 Spindletop Way	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low

Building ID	Building Name	Address	City	County	Area Development District (ADD)/Local Hazard Mitigation Plan	Hazard Scores					
						Hailstorm	Karst/ Sinkhole	Landslide	Mine Subsidence	Tornado	Winter Storm
3320	Garage-Spindletop	3250 Iron Works Pike	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
3321	House-Spindletop	2819 Spindletop Way	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3322	House -Spindletop	2829 Spindletop Way	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3323	Garage -Spindletop	3250 Iron Works Pike	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
3324	Garage -Spindletop	3250 Iron Works Pike	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
3325	House -Spindletop	2839 Spindletop Way	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3326	Garage-Spindletop	3250 Iron Works Pike	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
3327	House-Spindletop	2849 Spindletop Way	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3328	Walter W. Zent Mare Reproductive Health Facility	2870 Spindletop Way	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3329	Stallion Barn	2879 Spindletop Way	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3330	Old Spindletop Shop	3030 Boswell Ln	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3337	Isolation #2 Lab	Roxie Lane	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3339	Dwelling-Spindletop	2914 Spindletop Way	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3343	DLAR Storage Facility	2789 Spindletop Way	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3346	Isolation #1 Lab - Spindletop	2801 Roxie Lane	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3347	Isolation #1 Storage Bldg	2801 Roxie Lane	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3348	Forage Research Greenhouse	2922 Spindletop Way	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3349	Turf Center-Spindletop	3080 Shoshone Ln	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3350	Goat Barn-Spindletop	3070 Shoshone Ln	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3351	Vacant Dog Kennel-Spindletop	3250 Iron Works Pike	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
3352	Vacant Dog Kennel-Spindletop	3250 Iron Works Pike	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
3353	Grounds Office-Spindletop	3414 Iron Works Pike	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3354	Tennis Pro Shop-Spindletop	3414 Iron Works Pike	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3355	Tennis Pro Shop-Spindletop	3414 Iron Works Pike	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3357	Garage Apartments-Spindletop	3250 Iron Works Pike	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
3358	Mansion-Spindletop	3414 Iron Works Pike	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low

Building ID	Building Name	Address	City	County	Area Development District (ADD)/Local Hazard Mitigation Plan	Hazard Scores					
						Hailstorm	Karst/ Sinkhole	Landslide	Mine Subsidence	Tornado	Winter Storm
3359	Dressing Rooms-Spindletop	3414 Iron Works Pike	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3360	Recreation Bldg.-Spindletop	3414 Iron Works Pike	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3361	Pleasure Barn-Spindletop	3414 Iron Works Pike	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3364	Scale House-Spindletop	3250 Iron Works Pike	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
3365	Storge Bldg for 3362-Spindletop	3250 Iron Works Pike	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
3366	Storage Bldg-Spindletop	3088 Shoshone Ln	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3367	Equipt. Storage Bldg.-Spindletop	2919 Spindletop Way	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3368	Wheat Greenhouse Headhouse	2906 Spindletop Way	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3370	Council of State Governments	2780 Research Park Drive	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3371	Council of State Governments - Sprague Building	2760 Research Park Drive	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3372	Bath House-Spindletop	3414 Iron Works Pike	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3373	Tobacco Barn - Spindletop	2901 Spindletop Way	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3374	Crop Dryer Bldg.-Spindletop	2940 Agronomy Rd	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
3375	Field Lab-Spindletop	2951 Agronomy Rd	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3376	Climatological Lab-Spindletop	3250 Iron Works Pike	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
3377	Agronomy storage unit	2915 Spindletop Way	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3378	Animal Care Barn-Spindletop	3250 Iron Works Pike	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
3379	Foundation Seed Proc-Spindletop	2920 Agronomy Rd	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3380	Ag Engineering Barn-Spindletop	2540 Tim Tam Trl	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3381	KGS Core Library Carport	2500 Research Park Dr	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3382	CAER Laboratory 1	2540 Research Park Dr	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3383	Chemical Storage Building-Spindletop	3250 Iron Works Pike	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
3384	Research Tobacco Barn-Spindletop	2530 Tim Tam Trl	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3385	Vet Science Dwelling	2595 Fascinator Ln	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
3386	Agronomy Equipment #4	2979 Agronomy Rd	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low

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						Hailstorm	Karst/ Sinkhole	Landslide	Mine Subsidence	Tornado	Winter Storm
3387	Metal Curing Barn-Spindletop	2520 Tim Tam Trl	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
3388	Ag Machine Storage	2975 Agronomy Rd	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
3389	Agronomy Greenhouse-Spindletop	2908 Spindletop Way	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3390	Agronomy Pesticide Storage-Spindletop	2955 Agronomy Rd	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3391	Agronomy Fuel Storage Shed-Spindletop	2936 Spindletop Way	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3393	Mobile Home-Spindletop	2659 Fascinator Ln	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3394	Isolation #1 Generator Building	2801 Roxie Lane	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3395	Entomology Research Storage	3150 Boswell Ln	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3396	Pole Shed Bale Storage-Spindletop	2675 Fascinator Ln	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3399	Entomology Storage	3180 Boswell Ln	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3400	South Farm Floater	0	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
3402	South Farm Equipment Storage Shed	4321 Emmert Farm Ln	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
3403	South Farm Shop	4321 Emmert Farm Ln	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
3404	Hazardous Material Storage	4344 Emmert Farm Ln	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
3405	Organic Cooler Building	4344 Emmert Farm Ln	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
3406	Vegetable High Tunnel East	4344 Emmerts Farm Rd	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
3407	Vegetable High Tunnel West	4344 Emmerts Farm Rd	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
3412	High Tunnel Storage	4344 Emmerts Farm Rd	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
3413	New Implement Shed-South Farm	4321 Emmert Farm Ln	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
3422	Field Research Lab-South Farm	4321 Emmert Farm Ln	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
3423	Vet Science Isolation Bldg.-South Farm	4321 Emmert Farm Ln	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
3424	Vet Science Isolation Bldg.-South Farm	4321 Emmert Farm Ln	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
3425	Vet Science Isolation Bldg.-South Farm	4321 Emmert Farm Ln	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
3426	Vet Science Isolation Bldg.-South Farm	4321 Emmert Farm Ln	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
3427	Vet Science Isolation Bldg.-South Farm	4321 Emmert Farm Ln	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low

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						Hailstorm	Karst/ Sinkhole	Landslide	Mine Subsidence	Tornado	Winter Storm
3428	Hay & Feed Storage Bldg.-South Farm	4321 Emmert Farm Ln	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
3429	Autopsy Lab/L Quarters-South Farm	4321 Emmert Farm Ln	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
3431	Hort Equipt Storage-South Farm	4321 Emmert Farm Ln	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
3434	Managers House-South Farm	4321 Emmert Farm Ln	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
3436	Headhouse	4321 Emmert Farm Ln	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
3437	Equipment Building #3	4321 Emmert Farm Ln	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
3501	Miller's Greenhouse	2910 Agronomy Rd	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3502	Seed Shed	3250 Iron Works Pike	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
3503	Agronomy Storage #2	2965 Agronomy Rd	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
3504	Hoop Shed 3	2775 Spindletop Way	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3506	Vet Science Run-In Shed	2971 Mildred Way	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3508	wheat Greenhouse	2902 Spindletop Way	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
3510	Barn C Run-In Shed - Spindletop	3250 Iron Works Pike	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
3617	Mycology Building (Alexandria @ Leestown Rd)	300 Alexandria Dr	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
3700	Woodford Farm Floater	0	Versailles	Woodford	BGADD	Moderate	Low	Low	Low	High	Low
3701	Woodford Co. Pesticide Storage #1	1171 Midway Rd	Versailles	Woodford	BGADD	High	Low	Low	Low	High	High
3720	Tenant House 1-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	High	Low	Low	Low	High	High
3721	Vet Science Run-In Shed ARC	1171 Midway Rd	Versailles	Woodford	BGADD	High	Low	Low	Low	High	High
3740	Tenant House 2-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	High	Low	Low	Low	High	High
3741	Tenant House 3-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	High	Low	Low	Low	High	High
3742	Foaling Barn-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	High	Low	Low	Low	High	High
3743	Stone House	1171 Midway Rd	Versailles	Woodford	BGADD	High	Low	Low	Low	High	High
3744	Swine Manure Electric Building	1171 Midway Rd	Versailles	Woodford	BGADD	High	Low	Low	Low	High	High
3780	Corn Barn-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	High	Low	Low	Low	High	High
3781	Tobacco Barn #1-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	High	Low	Low	Low	High	High

Building ID	Building Name	Address	City	County	Area Development District (ADD)/Local Hazard Mitigation Plan	Hazard Scores					
						Hailstorm	Karst/ Sinkhole	Landslide	Mine Subsidence	Tornado	Winter Storm
3783	Old Utility Shed-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	High	Low	Low	Low	High	High
3786	Tobacco Barn -C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	High	Low	Low	Low	High	High
3788	Toabcco Barn 3-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	High	Low	Low	Low	High	High
3789	Tenants House 5-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	High	Low	Low	Low	High	High
3790	Tenants House 6-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	High	Low	Low	Low	High	High
3791	Stucco Cattle Barn 2-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	High	Low	Low	Low	High	High
3792	Tobacco Barn #4	1171 Midway Rd	Versailles	Woodford	BGADD	High	Low	Low	Low	High	High
3793	Tobacco Barn #5	1171 Midway Rd	Versailles	Woodford	BGADD	High	Low	Low	Low	High	High
3794	Stucco Duplex 2-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	High	Low	Low	Low	High	High
3850	Scale Shed	1141 Midway Rd	Versailles	Woodford	BGADD	High	Low	Low	Low	High	High
3852	Manager House-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	High	Low	Low	Low	High	High
3860	Yearling Barn 2-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	High	Low	Low	Low	High	High
3861	Beef Herdsman House-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	High	Low	Low	Low	High	High
3862	Stripping Room-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	High	Low	Low	Low	High	High
3864	WFC Office-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	High	Low	Low	Low	High	High
3865	Beef Unit/Handling Fac-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	High	Low	Low	Low	High	High
3866	Beef Unit/Nutrition Facility-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	High	Low	Low	Low	High	High
3867	Beef Unit/Indiv. Pen Fac-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	High	Low	Low	Low	High	High
3868	Beef Unit/Calan Fac-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	High	Low	Low	Low	High	High
3869	Beef Unit/Intensive Rsch-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	High	Low	Low	Low	High	High
3871	Beef Unit/Composting Shed-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	High	Low	Low	Low	High	High

Building ID	Building Name	Address	City	County	Area Development District (ADD)/Local Hazard Mitigation Plan	Hazard Scores					
						Hailstorm	Karst/ Sinkhole	Landslide	Mine Subsidence	Tornado	Winter Storm
3872	Beef Unit/Leaf Storage-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	High	Low	Low	Low	High	High
3873	Beef Unit/Small Pen C12 FA-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	High	Low	Low	Low	High	High
3874	Beef Unit/Heifer Dev-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	High	Low	Low	Low	High	High
3875	Animal Handling Facility-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	High	Low	Low	Low	High	High
3880	Sheep Pen Facility	1171 Midway Rd	Versailles	Woodford	BGADD	High	Low	Low	Low	High	High
3882	Sheep Unit/Ser.Complex-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	High	Low	Low	Low	High	High
3883	Sheep Sleeping Quarters	1171 Midway Rd	Versailles	Woodford	BGADD	High	Low	Low	Low	High	High
3890	Swine Unit/Ser & Rec.-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	High	Low	Low	Low	High	High
3891	Swine Unit/Headquarters-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	High	Low	Low	Low	High	High
3892	Swine Unit/Nur. Complex-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	High	Low	Low	Low	High	High
3893	Swine Unit/Finish-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	High	Low	Low	Low	High	High
3894	Swine Unit/Boar Stud-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	High	Low	Low	Low	High	High
3901	Hoop Storage #1	1141 Midway Rd	Versailles	Woodford	BGADD	High	Low	Low	Low	High	High
3902	Hoop Storage #2	1141 Midway Rd	Versailles	Woodford	BGADD	High	Low	Low	Low	High	High
3903	Hoop Storage 2003	1141 Midway Rd	Versailles	Woodford	BGADD	High	Low	Low	Low	High	High
4501	Dining Hall	260 Camp Dr	Carlisle	Nicholas	BGADD	High	Moderate	Low	Low	Moderate	Low
4502	Cabin 14	260 Camp Dr	Carlisle	Nicholas	BGADD	High	Moderate	Low	Low	Moderate	Low
4503	Bath House (Boys)	260 Camp Dr	Carlisle	Nicholas	BGADD	High	Moderate	Low	Low	Moderate	Low
4504	Bath House (Girls)	260 Camp Dr	Carlisle	Nicholas	BGADD	High	Moderate	Low	Low	Moderate	Low
4505	Cabin 5	260 Camp Dr	Carlisle	Nicholas	BGADD	High	Moderate	Low	Low	Moderate	Low
4506	Cabin 6	260 Camp Dr	Carlisle	Nicholas	BGADD	High	Moderate	Low	Low	Moderate	Low
4507	Cabin 7	260 Camp Dr	Carlisle	Nicholas	BGADD	High	Moderate	Low	Low	Moderate	Low
4508	Caretakers House	260 Camp Dr	Carlisle	Nicholas	BGADD	High	Moderate	Low	Low	Moderate	Low
4509	Cabin 8	260 Camp Dr	Carlisle	Nicholas	BGADD	High	Moderate	Low	Low	Moderate	Low
4510	Cabin 4	260 Camp Dr	Carlisle	Nicholas	BGADD	High	Moderate	Low	Low	Moderate	Low

Building ID	Building Name	Address	City	County	Area Development District (ADD)/Local Hazard Mitigation Plan	Hazard Scores					
						Hailstorm	Karst/ Sinkhole	Landslide	Mine Subsidence	Tornado	Winter Storm
4511	Cabin 11	260 Camp Dr	Carlisle	Nicholas	BGADD	High	Moderate	Low	Low	Moderate	Low
4512	Cabin 12	260 Camp Dr	Carlisle	Nicholas	BGADD	High	Moderate	Low	Low	Moderate	Low
4513	Cabin 13	260 Camp Dr	Carlisle	Nicholas	BGADD	High	Moderate	Low	Low	Moderate	Low
4518	Cabin 19	260 Camp Dr	Carlisle	Nicholas	BGADD	High	Moderate	Low	Low	Moderate	Low
4519	Cabin 20	260 Camp Dr	Carlisle	Nicholas	BGADD	High	Moderate	Low	Low	Moderate	Low
4520	Cabin 21	260 Camp Dr	Carlisle	Nicholas	BGADD	High	Moderate	Low	Low	Moderate	Low
4521	Cabin 22	260 Camp Dr	Carlisle	Nicholas	BGADD	High	Moderate	Low	Low	Moderate	Low
4522	Cabin 1	260 Camp Dr	Carlisle	Nicholas	BGADD	High	Moderate	Low	Low	Moderate	Low
4523	Cabin 2	260 Camp Dr	Carlisle	Nicholas	BGADD	High	Moderate	Low	Low	Moderate	Low
4524	Cabin 3	260 Camp Dr	Carlisle	Nicholas	BGADD	High	Moderate	Low	Low	Moderate	Low
4525	Cabin 10	260 Camp Dr	Carlisle	Nicholas	BGADD	High	Moderate	Low	Low	Moderate	Low
4526	Cabin 23	260 Camp Dr	Carlisle	Nicholas	BGADD	High	Moderate	Low	Low	Moderate	Low
4527	Cabin 9	260 Camp Dr	Carlisle	Nicholas	BGADD	High	Moderate	Low	Low	Moderate	Low
4528	Filter House (and Pool)	260 Camp Dr	Carlisle	Nicholas	BGADD	High	Moderate	Low	Low	Moderate	Low
4529	Sewage Pump System	260 Camp Dr	Carlisle	Nicholas	BGADD	High	Moderate	Low	Low	Moderate	Low
4530	Cabin 15	260 Camp Dr	Carlisle	Nicholas	BGADD	High	Moderate	Low	Low	Moderate	Low
4531	Conference Building (Multi-purpose)	260 Camp Dr	Carlisle	Nicholas	BGADD	High	Moderate	Low	Low	Moderate	Low
4532	Health & Administration	260 Camp Dr	Carlisle	Nicholas	BGADD	High	Moderate	Low	Low	Moderate	Low
4533	Bird Blind	260 Camp Dr	Carlisle	Nicholas	BGADD	High	Moderate	Low	Low	Moderate	Low
4534	Maintenance Building	260 Camp Dr	Carlisle	Nicholas	BGADD	High	Moderate	Low	Low	Moderate	Low
4535	Fishing Dock	260 Camp Dr	Carlisle	Nicholas	BGADD	High	Moderate	Low	Low	Moderate	Low
4537	Log Cabin	260 Camp Dr	Carlisle	Nicholas	BGADD	High	Moderate	Low	Low	Moderate	Low
4538	Outpost 1	260 Camp Dr	Carlisle	Nicholas	BGADD	High	Moderate	Low	Low	Moderate	Low
4539	Outpost 2	260 Camp Dr	Carlisle	Nicholas	BGADD	High	Moderate	Low	Low	Moderate	Low
4540	Shelter Bldg	260 Camp Dr	Carlisle	Nicholas	BGADD	High	Moderate	Low	Low	Moderate	High
4541	Rifle Range	260 Camp Dr	Carlisle	Nicholas	BGADD	High	Moderate	Low	Low	Moderate	Low
4542	North Central 4-H Camp Floating Dock	260 Camp Dr	Carlisle	Nicholas	BGADD	High	Moderate	Low	Low	Moderate	Low
4543	Cabin 16	260 Camp Dr	Carlisle	Nicholas	BGADD	High	Moderate	Low	Low	Moderate	Low
4544	Cabin 17	260 Camp Dr	Carlisle	Nicholas	BGADD	High	Moderate	Low	Low	Moderate	Low
4545	Cabin 18	260 Camp Dr	Carlisle	Nicholas	BGADD	High	Moderate	Low	Low	Moderate	Low
4546	Outpost Shelter, North Central 4-H Camp	260 Camp Dr	Carlisle	Nicholas	BGADD	High	Moderate	Low	Low	Moderate	Low
4547	Outpost Shelter, North Central 4-H Camp	260 Camp Dr	Carlisle	Nicholas	BGADD	High	Moderate	Low	Low	Moderate	Low
4549	High Ropes Shelter	260 Camp Dr	Carlisle	Nicholas	BGADD	High	Moderate	Low	Low	Moderate	Low
4551	Storage #1	260 Camp Dr	Carlisle	Nicholas	BGADD	High	Moderate	Low	Low	Moderate	Low

Building ID	Building Name	Address	City	County	Area Development District (ADD)/Local Hazard Mitigation Plan	Hazard Scores					
						Hailstorm	Karst/ Sinkhole	Landslide	Mine Subsidence	Tornado	Winter Storm
4552	Archery Shelter	260 Camp Dr	Carlisle	Nicholas	BGADD	High	Moderate	Low	Low	Moderate	Low
4553	Paddle Boat Dock	260 Camp Dr	Carlisle	Nicholas	BGADD	High	Moderate	Low	Low	Moderate	Low
4602	Mens Cabin #12	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Moderate	Low	Moderate	Low
4603	Mens Cabin #13	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Moderate	Low	Moderate	Low
4605	Bath House Boys	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Moderate	Low	Moderate	Low
4606	Dining	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Moderate	Low	Moderate	Low
4607	Womens Cabin #1	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Moderate	Low	Moderate	Low
4608	Womens Cabin #2	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Moderate	Low	Moderate	Low
4609	Womens Cabin #3	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Moderate	Low	Moderate	Low
4610	Womens Cabin #4	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Moderate	Low	Moderate	Low
4611	Womens Cabin #5	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Moderate	Low	Moderate	Low
4612	Womens Cabin #7	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Moderate	Low	Moderate	Low
4613	Womens Cabin #8	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Moderate	Low	Moderate	Low
4614	Womens Cabin #9	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Moderate	Low	Moderate	Low
4615	Bath House Girls	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Moderate	Low	Moderate	Low
4618	Residence	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Moderate	Low	Moderate	Low
4619	Cabin 14	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Moderate	Low	Moderate	Low
4620	Shelter House	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Moderate	Low	Moderate	Low
4621	Girls Cabin #6	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Moderate	Low	Moderate	Low
4623	Paddle Boat Dock	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Moderate	Low	Moderate	Low
4625	Boys Cabin #16	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Moderate	Low	Moderate	Low
4626	Girls Cabin #10	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Moderate	Low	Moderate	Low
4627	Archery Storage	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Moderate	Low	Moderate	Low
4628	Amphitheater	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Moderate	Low	Moderate	Low
4629	Country Store	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Moderate	Low	Moderate	Low
4630	Staff Cabin	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Moderate	Low	Moderate	Low
4631	Maintenance Bldg	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Moderate	Low	Moderate	Low
4632	Bath House Swimming Pool	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Moderate	Low	Moderate	Low
4633	Girls Cabin #11	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Moderate	Low	Moderate	Low
4634	Rifle Range Shelter	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Moderate	Low	Moderate	Low

Building ID	Building Name	Address	City	County	Area Development District (ADD)/Local Hazard Mitigation Plan	Hazard Scores					
						Hailstorm	Karst/ Sinkhole	Landslide	Mine Subsidence	Tornado	Winter Storm
4636	Log Cabin 2 Story	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Moderate	Low	Moderate	Low
4637	Canoe Storage	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Moderate	Low	Moderate	Low
4639	Storage Building	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Moderate	Low	Moderate	Low
4641	Barbeque Shelter	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Moderate	Low	Moderate	Low
4642	Birdhouse	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Moderate	Low	Moderate	Low
4643	Boat Dock	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Moderate	Low	Moderate	Low
4645	Male Staff Mobile Home	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Moderate	Low	Moderate	Low
4646	Fishing Hut	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Moderate	Low	Moderate	Low
4647	Multiplex Modular Building	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Moderate	Low	Moderate	Low
4648	Cabin 15	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Moderate	Low	Moderate	Low
4649	Outpost Screened Shelter	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Moderate	Low	Moderate	Low
4650	Staff Trailer	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Moderate	Low	Moderate	Low
4651	Cabin of Tomorrow	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Moderate	Low	Moderate	Low
4700	Eden Shale Farm Floater	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Moderate	Low	Moderate	Low
4702	Tobacco Barn #1	245 Eden Shale Rd	Owenton	Owen	NKADD	High	Low	Low	Low	High	Moderate
4703	HOUSE HERDSMAN #2	245 Eden Shale Rd	Owenton	Owen	NKADD	High	Low	Low	Low	High	Moderate
4704	Heifer Barn #3	245 Eden Shale Rd	Owenton	Owen	NKADD	High	Low	Low	Low	High	Moderate
4705	House Superintendent Dwelling #2	245 Eden Shale Rd	Owenton	Owen	NKADD	High	Low	Low	Low	High	Moderate
4706	Dairy Barn #5	245 Eden Shale Rd	Owenton	Owen	NKADD	High	Low	Low	Low	High	Moderate
4707	Cottage Dwelling #6	245 Eden Shale Rd	Owenton	Owen	NKADD	High	Low	Low	Low	High	Moderate
4708	Tobacco Barn	245 Eden Shale Rd	Owenton	Owen	NKADD	High	Low	Low	Low	High	Moderate
4709	Cattle Barn	245 Eden Shale Rd	Owenton	Owen	NKADD	High	Low	Low	Low	High	Moderate
4710	Bull Lot Shed	245 Eden Shale Rd	Owenton	Owen	NKADD	High	Low	Low	Low	High	Moderate
4711	Shop	245 Eden Shale Rd	Owenton	Owen	NKADD	High	Low	Low	Low	High	Moderate
4712	Sheep Barn	245 Eden Shale Rd	Owenton	Owen	NKADD	High	Low	Low	Low	High	Moderate
4713	Barn #12	245 Eden Shale Rd	Owenton	Owen	NKADD	High	Low	Low	Low	High	Moderate
4714	Tobacco Barn	245 Eden Shale Rd	Owenton	Owen	NKADD	High	Low	Low	Low	High	Moderate
4715	Tobacco Barn	245 Eden Shale Rd	Owenton	Owen	NKADD	High	Low	Low	Low	High	Moderate
4716	Tobacco Barn	245 Eden Shale Rd	Owenton	Owen	NKADD	High	Low	Low	Low	High	Moderate

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						Hailstorm	Karst/ Sinkhole	Landslide	Mine Subsidence	Tornado	Winter Storm
4717	House	245 Eden Shale Rd	Owenton	Owen	NKADD	High	Low	Low	Low	High	Moderate
4718	SHED	245 Eden Shale Rd	Owenton	Owen	NKADD	High	Low	Low	Low	High	Moderate
4719	Shed	245 Eden Shale Rd	Owenton	Owen	NKADD	High	Low	Low	Low	High	Moderate
4721	Smoke House	245 Eden Shale Rd	Owenton	Owen	NKADD	High	Low	Low	Low	High	Moderate
4727	Shed	245 Eden Shale Rd	Owenton	Owen	NKADD	High	Low	Low	Low	High	Moderate
4728	Shed	245 Eden Shale Rd	Owenton	Owen	NKADD	High	Low	Low	Low	High	Moderate
4729	Stripping Room	245 Eden Shale Rd	Owenton	Owen	NKADD	High	Low	Low	Low	High	Moderate
4732	Garage & Office	245 Eden Shale Rd	Owenton	Owen	NKADD	High	Low	Low	Low	High	Moderate
4733	Tobacco Barn	245 Eden Shale Rd	Owenton	Owen	NKADD	High	Low	Low	Low	High	Moderate
4735	Horticulture Shed	245 Eden Shale Rd	Owenton	Owen	NKADD	High	Low	Low	Low	High	Moderate
4737	Corn Crib 2	245 Eden Shale Rd	Owenton	Owen	NKADD	High	Low	Low	Low	High	Moderate
4739	Greenhouse Furnace Room	245 Eden Shale Rd	Owenton	Owen	NKADD	High	Low	Low	Low	High	Moderate
4740	Holding Scale Pen	245 Eden Shale Rd	Owenton	Owen	NKADD	High	Low	Low	Low	High	Moderate
4741	Concrete Stave Silo	245 Eden Shale Rd	Owenton	Owen	NKADD	High	Low	Low	Low	High	Moderate
4744	Corn Crib 3	245 Eden Shale Rd	Owenton	Owen	NKADD	High	Low	Low	Low	High	Moderate
4745	Tool Room	245 Eden Shale Rd	Owenton	Owen	NKADD	High	Low	Low	Low	High	Moderate
4746	Storage Building	245 Eden Shale Rd	Owenton	Owen	NKADD	High	Low	Low	Low	High	Moderate
4747	HOOP SHED #2	245 Eden Shale Rd	Owenton	Owen	NKADD	High	Low	Low	Low	High	Moderate
7700	Western KY 4-H Floater	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	NKADD	High	High	Low	Low	Severe	Severe
7701	Dining Hall & Office	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	High	Low	Low	Severe	Severe
7704	Shelter House	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	High	Low	Low	Severe	Severe
7705	Boys Bath House	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	High	Low	Low	Severe	Severe
7706	Cabin of Tomorrow	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	High	Low	Low	Severe	Severe
7709	Maintenance Workshop	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	High	Low	Low	Severe	Severe
7710	Storage Shed	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	High	Low	Low	Severe	Severe
7711	Storage Shed	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	High	Low	Low	Severe	Severe

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						Hailstorm	Karst/ Sinkhole	Landslide	Mine Subsidence	Tornado	Winter Storm
7713	Nature House	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	High	Low	Low	Severe	Severe
7714	Recreation Metal Storage	600 Camp Rd	Dawson Springs	Caldwell & Hopkins	PeADD	High	High	Low	Low	Severe	Severe
7715	Softball Shelter	600 Camp Rd	Dawson Springs	Caldwell & Hopkins	PeADD	High	High	Low	Low	Severe	Severe
7718	Girls Bath House	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	High	Low	Low	Severe	Severe
7723	Boys Cottage	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	High	Low	Low	Severe	Severe
7724	Boys Cottage	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	High	Low	Low	Severe	Severe
7725	Boys Cottage	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	High	Low	Low	Severe	Severe
7726	Boys Cottage	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	High	Low	Low	Severe	Severe
7727	Boys Cottage	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	High	Low	Low	Severe	Severe
7728	Boys Cottage	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	High	Low	Low	Severe	Severe
7729	Boys Cottage	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	High	Low	Low	Severe	Severe
7730	Boys Cottage	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	High	Low	Low	Severe	Severe
7731	Boys Cottage	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	High	Low	Low	Severe	Severe
7732	Boys Cottage	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	High	Low	Low	Severe	Severe
7733	Boys Cottage	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	High	Low	Low	Severe	Severe
7742	Girls Cottage	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	High	Low	Low	Severe	Severe
7745	Gate House	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	High	Low	Low	Severe	Severe
7746	Pool Bath House	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	High	Low	Low	Severe	Severe
7748	Boat Dock	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	High	Low	Low	Severe	Severe
7753	Boat House	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	High	Low	Low	Severe	Severe
7757	Girls Cottage	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	High	Low	Low	Severe	Severe

Building ID	Building Name	Address	City	County	Area Development District (ADD)/Local Hazard Mitigation Plan	Hazard Scores					
						Hailstorm	Karst/ Sinkhole	Landslide	Mine Subsidence	Tornado	Winter Storm
7758	Girls Cottage	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	High	Low	Low	Severe	Severe
7759	Girls Cottage	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	High	Low	Low	Severe	Severe
7760	Girls Cottage	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	High	Low	Low	Severe	Severe
7761	Girls Cottage	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	High	Low	Low	Severe	Severe
7762	Girls Cottage	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	High	Low	Low	Severe	Severe
7763	Girls Cottage	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	High	Low	Low	Severe	Severe
7764	Girls Cottage	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	High	Low	Low	Severe	Severe
7765	Girls Cottage	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	High	Low	Low	Severe	Severe
7766	Girls Cottage	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	High	Low	Low	Severe	Severe
7768	Staff Cottage Girls	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	High	Low	Low	Severe	Severe
7770	Filter House	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	High	Low	Low	Severe	Severe
7771	Staff Cabin Boys	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	High	Low	Low	Severe	Severe
7773	Multi-Purpose Building	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	High	Low	Low	Severe	Severe
7774	Rifle Range Shelter	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	High	Low	Low	Severe	Severe
7775	Country Store	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	High	Low	Low	Severe	Severe
7777	Bird Blind	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	High	Low	Low	Severe	Severe
7779	Recreation Storage	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	High	Low	Low	Severe	Severe
7781	Stg Bldg Challenge Course	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	High	Low	Low	Severe	Severe
7783	Archery Range Storage	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	High	Low	Low	Severe	Severe
7784	Horse Barn	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	High	Low	Low	Severe	Severe
7785	West KY 4-H Camp Pavilion	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	High	High	Low	Low	Severe	Severe

Building ID	Building Name	Address	City	County	Area Development District (ADD)/Local Hazard Mitigation Plan	Hazard Scores					
						Hailstorm	Karst/ Sinkhole	Landslide	Mine Subsidence	Tornado	Winter Storm
7800	West Ky Substation Floater	0	Princeton	Caldwell	PeADD	High	Low	Low	Low	Severe	High
7801	Dwelling-Super	1205 Hopkinsville St	Princeton	Caldwell	PeADD	High	Low	Low	Low	Severe	High
7802	Dwelling-Carpenter	1205 Hopkinsville St	Princeton	Caldwell	PeADD	High	Low	Low	Low	Severe	High
7803	Dwelling-Animal Science	1205 Hopkinsville St	Princeton	Caldwell	PeADD	High	Low	Low	Low	Severe	High
7804	Dwelling-Foreman	1205 Hopkinsville St	Princeton	Caldwell	PeADD	High	Low	Low	Low	Severe	High
7805	Dwelling-Asst Foreman	1205 Hopkinsville St	Princeton	Caldwell	PeADD	High	Low	Low	Low	Severe	High
7806	Dwelling-H. Eq. Operator	1205 Hopkinsville St	Princeton	Caldwell	PeADD	High	Low	Low	Low	Severe	High
7807	Office & Service Bldg	1205 Hopkinsville St	Princeton	Caldwell	PeADD	High	Low	Low	Low	Severe	High
7808	Greenhouse - Header House	1205 Hopkinsville St	Princeton	Caldwell	PeADD	High	Low	Low	Low	Severe	High
7809	Tobacco Barn - Burley	1205 Hopkinsville St	Princeton	Caldwell	PeADD	High	Low	Low	Low	Severe	High
7810	Dark Air Cure Barn	1205 Hopkinsville St	Princeton	Caldwell	PeADD	High	Low	Low	Low	Severe	High
7811	Dark Fire Cure Barn	1205 Hopkinsville St	Princeton	Caldwell	PeADD	High	Low	Low	Low	Severe	High
7812	Grain Crop Greenhouse	1205 Hopkinsville St	Princeton	Caldwell	PeADD	High	Low	Low	Low	Severe	High
7813	Chemical Storage Barn	1205 Hopkinsville St	Princeton	Caldwell	PeADD	High	Low	Low	Low	Severe	High
7814	Fertilizer Storage Barn	1205 Hopkinsville St	Princeton	Caldwell	PeADD	High	Low	Low	Low	Severe	High
7815	Heifer Barn	1205 Hopkinsville St	Princeton	Caldwell	PeADD	High	Low	Low	Low	Severe	High
7816	Feed Processing Center	1205 Hopkinsville St	Princeton	Caldwell	PeADD	High	Low	Low	Low	Severe	High
7817	Farrowing House #1	1205 Hopkinsville St	Princeton	Caldwell	PeADD	High	Low	Low	Low	Severe	High
7818	Farrowing House #2	1205 Hopkinsville St	Princeton	Caldwell	PeADD	High	Low	Low	Low	Severe	High
7819	Litter Test Shed	1205 Hopkinsville St	Princeton	Caldwell	PeADD	High	Low	Low	Low	Severe	High

Building ID	Building Name	Address	City	County	Area Development District (ADD)/Local Hazard Mitigation Plan	Hazard Scores					
						Hailstorm	Karst/ Sinkhole	Landslide	Mine Subsidence	Tornado	Winter Storm
7820	Litter Test Shed	1205 Hopkinstville St	Princeton	Caldwell	PeADD	High	Low	Low	Low	Severe	High
7821	Horse Barn/Store Shed	1205 Hopkinstville St	Princeton	Caldwell	PeADD	High	Low	Low	Low	Severe	High
7822	Beef Cattle Barn - Silo	1205 Hopkinstville St	Princeton	Caldwell	PeADD	High	Low	Low	Low	Severe	High
7823	Steer Feeding Barn	1205 Hopkinstville St	Princeton	Caldwell	PeADD	High	Low	Low	Low	Severe	High
7824	Dark Fire Curing Barn	1205 Hopkinstville St	Princeton	Caldwell	PeADD	High	Low	Low	Low	Severe	High
7836	Beef Compost Shed	1205 Hopkinstville St	Princeton	Caldwell	PeADD	High	Low	Low	Low	Severe	High
7837	Farm Shop	1205 Hopkinstville St	Princeton	Caldwell	PeADD	High	Low	Low	Low	Severe	High
7838	Calen Gates Shelter	1205 Hopkinstville St	Princeton	Caldwell	PeADD	High	Low	Low	Low	Severe	High
7839	Storage Barn - Pruitt	1205 Hopkinstville St	Princeton	Caldwell	PeADD	High	Low	Low	Low	Severe	High
7840	Weed & Soil Science Storage	1205 Hopkinstville St	Princeton	Caldwell	PeADD	High	Low	Low	Low	Severe	High
7847	Long Silo #2	1205 Hopkinstville St	Princeton	Caldwell	PeADD	High	Low	Low	Low	Severe	High
7848	Madison Silo #1	1205 Hopkinstville St	Princeton	Caldwell	PeADD	High	Low	Low	Low	Severe	High
7851	Forage & Grain Dryer	1205 Hopkinstville St	Princeton	Caldwell	PeADD	High	Low	Low	Low	Severe	High
7853	Garage - Heavy Equip Operator	1205 Hopkinstville St	Princeton	Caldwell	PeADD	High	Low	Low	Low	Severe	High
7854	Garage - Carpenter	1205 Hopkinstville St	Princeton	Caldwell	PeADD	High	Low	Low	Low	Severe	High
7855	Garage - Animal Science	1205 Hopkinstville St	Princeton	Caldwell	PeADD	High	Low	Low	Low	Severe	High
7856	Garage - Superintendent	1205 Hopkinstville St	Princeton	Caldwell	PeADD	High	Low	Low	Low	Severe	High
7858	Research & Ed Center	1205 Hopkinstville St	Princeton	Caldwell	PeADD	High	Low	Low	Low	Severe	High
7860	Grain Bin Dryer North	1205 Hopkinstville St	Princeton	Caldwell	PeADD	High	Low	Low	Low	Severe	High
7861	Grain Bin Dryer South	1205 Hopkinstville St	Princeton	Caldwell	PeADD	High	Low	Low	Low	Severe	High

Building ID	Building Name	Address	City	County	Area Development District (ADD)/Local Hazard Mitigation Plan	Hazard Scores					
						Hailstorm	Karst/ Sinkhole	Landslide	Mine Subsidence	Tornado	Winter Storm
7863	Stripping & Casing Building	1205 Hopkinsville St	Princeton	Caldwell	PeADD	High	Low	Low	Low	Severe	High
7864	Machinery Shed	1205 Hopkinsville St	Princeton	Caldwell	PeADD	High	Low	Low	Low	Severe	High
7866	Corn Crib Bin Shelter	1205 Hopkinsville St	Princeton	Caldwell	PeADD	High	Low	Low	Low	Severe	High
7867	Machinery Shed	1205 Hopkinsville St	Princeton	Caldwell	PeADD	High	Low	Low	Low	Severe	High
7869	Dark Fired Tobacco Research	1205 Hopkinsville St	Princeton	Caldwell	PeADD	High	Low	Low	Low	Severe	High
7870	Pesticide Storage	1205 Hopkinsville St	Princeton	Caldwell	PeADD	High	Low	Low	Low	Severe	High
7871	Garage - AsSt Foreman	1205 Hopkinsville St	Princeton	Caldwell	PeADD	High	Low	Low	Low	Severe	High
7872	Machine Shed	1205 Hopkinsville St	Princeton	Caldwell	PeADD	High	Low	Low	Low	Severe	High
7874	Silo Concrete Stave	1205 Hopkinsville St	Princeton	Caldwell	PeADD	High	Low	Low	Low	Severe	High
7876	Excess Property Bldg	1205 Hopkinsville St	Princeton	Caldwell	PeADD	High	Low	Low	Low	Severe	High
7877	Ag Machinery Storage Shed	1205 Hopkinsville St	Princeton	Caldwell	PeADD	High	Low	Low	Low	Severe	High
7878	Pump Station	1205 Hopkinsville St	Princeton	Caldwell	PeADD	High	Low	Low	Low	Severe	High
7879	AS Machinery Storage shed	1205 Hopkinsville St	Princeton	Caldwell	PeADD	High	Low	Low	Low	Severe	High
7880	Hay Storage	1205 Hopkinsville St	Princeton	Caldwell	PeADD	High	Low	Low	Low	Severe	High
7881	Storage Building #2/Orchard	1205 Hopkinsville St	Princeton	Caldwell	PeADD	High	Low	Low	Low	Severe	High
7882	Greenhouse/Plastic	1205 Hopkinsville St	Princeton	Caldwell	PeADD	High	Low	Low	Low	Severe	High
8002	KU Building	1 Quality St	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
8602	22728 Hwy 421 Ste 107	22728 Hwy 421 Ste 107	Hyden	Leslie	KRADD	Low	Low	Moderate	Low	Low	Low
8610	Senior Citizens Bldg	Main St	Sandy Hook	Elliott	FIVCO	Low	Low	Moderate	Low	Low	High
8632	UK Research Foundation	2130 P St NW St	Washington	Mason	BTADD	Low	Low	Low	Low	Low	Low
8633	Good Samaritan Hospital (UK Healthcare)	310 S Limestone	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
8634	3290 Blazer Pkwy	3290 Blazer Pkwy	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low

Building ID	Building Name	Address	City	County	Area Development District (ADD)/Local Hazard Mitigation Plan	Hazard Scores					
						Hailstorm	Karst/ Sinkhole	Landslide	Mine Subsidence	Tornado	Winter Storm
8648	121 Virginia Ave	121 Virginia Ave	Pineville	Bell	CVADD	Low	High	Moderate	Low	Moderate	Low
8649	478 Town Mountain Rd Pikeville	478 Town Mountain Rd	Pikeville	Pike	BSADD	Moderate	Low	Moderate	Low	Low	High
8650	59 Cowtown Rd	59 Cowtown Rd	Hindman	Knott	KRADD	Low	Moderate	Moderate	Low	Low	Low
8654	313 Central St Harlan, Ky	313 Central St	Harlan	Harlan	CVADD	Low	Moderate	Moderate	Low	Moderate	Moderate
8656	Greenup Co. Hlth Dept	US Hwy 23	Greenup	Greenup	FIVCO	Low	Moderate	Moderate	Low	Moderate	High
8659	1101 Main St	1101 Main St	Benton	Marshall	PADD	High	Moderate	Low	Low	Severe	Moderate
9000	Robinson Station Equip Floater	0	Jackson	Breathitt	KRADD	Moderate	Low	Moderate	Low	Low	High
9001	House	176 Robinson Rd	Jackson	Breathitt	KRADD	Moderate	Moderate	Moderate	Low	Low	High
9002	Market Shelter	3215 Quicksand Rd	Jackson	Breathitt	KRADD	Moderate	Moderate	Moderate	Low	Low	High
9003	Barn	176 Robinson Rd	Jackson	Breathitt	KRADD	Moderate	Moderate	Moderate	Low	Low	High
9004	Warehouse	176 Robinson Rd	Jackson	Breathitt	KRADD	Moderate	Moderate	Moderate	Low	Low	High
9005	House Residence A #5	176 Robinson Rd	Jackson	Breathitt	KRADD	Moderate	Moderate	Moderate	Low	Low	High
9006	Plant Mechanical Center	176 Robinson Rd	Jackson	Breathitt	KRADD	Moderate	Moderate	Moderate	Low	Low	High
9007	House Dwelling #7	176 Robinson Rd	Jackson	Breathitt	KRADD	Moderate	Moderate	Moderate	Low	Low	High
9008	House #8	176 Robinson Rd	Jackson	Breathitt	KRADD	Moderate	Moderate	Moderate	Low	Low	High
9009	House Dwelling B #9	176 Robinson Rd	Jackson	Breathitt	KRADD	Moderate	Moderate	Moderate	Low	Low	High
9010	Auditorium	176 Robinson Rd	Jackson	Breathitt	KRADD	Moderate	Moderate	Moderate	Low	Low	High
9011	Storage Barn	176 Robinson Rd	Jackson	Breathitt	KRADD	Moderate	Moderate	Moderate	Low	Low	High
9012	House Dwelling D #12	176 Robinson Rd	Jackson	Breathitt	KRADD	Moderate	Moderate	Moderate	Low	Low	High
9013	Business Office	176 Robinson Rd	Jackson	Breathitt	KRADD	Moderate	Moderate	Moderate	Low	Low	High
9014	Chemical Building	176 Robinson Rd	Jackson	Breathitt	KRADD	Moderate	Moderate	Moderate	Low	Low	High
9015	Conservation Equipment Shed	176 Robinson Rd	Jackson	Breathitt	KRADD	Moderate	Moderate	Moderate	Low	Low	High
9016	House Dwelling C #16	176 Robinson Rd	Jackson	Breathitt	KRADD	Moderate	Moderate	Moderate	Low	Low	High
9017	Grain Bin & Shed	176 Robinson Rd	Jackson	Breathitt	KRADD	Moderate	Moderate	Moderate	Low	Low	High
9018	Material Storage Cage	176 Robinson Rd	Jackson	Breathitt	KRADD	Moderate	Moderate	Moderate	Low	Low	High
9019	Plant Mechanical Center Bay	176 Robinson Rd	Jackson	Breathitt	KRADD	Moderate	Moderate	Moderate	Low	Low	High
9023	Administration Bldg	176 Robinson Rd	Jackson	Breathitt	KRADD	Moderate	Moderate	Moderate	Low	Low	High
9033	Tobacco Barn	176 Robinson Rd	Jackson	Breathitt	KRADD	Moderate	Moderate	Moderate	Low	Low	High
9034	Quicksand Agronomy Field Lab	176 Robinson Rd	Jackson	Breathitt	KRADD	Moderate	Moderate	Moderate	Low	Low	High

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						Hailstorm	Karst/ Sinkhole	Landslide	Mine Subsidence	Tornado	Winter Storm
9035	Greenhouse	176 Robinson Rd	Jackson	Breathitt	KRADD	Moderate	Moderate	Moderate	Low	Low	High
9111	Kentucky State University Academic Service Bldg	275 E Main St	Frankfort	Franklin	BGADD	High	Moderate	Low	Low	High	Low
9113	Morehead State University Ginger Hall	Winchester Ave	Morehead	Rowan	GWADD	Moderate	Low	Moderate	Low	Moderate	Severe
9114	Morehead State University Reed Hall(2nd Floor)	Winchester Ave	Morehead	Rowan	GWADD	Moderate	Low	Moderate	Low	Moderate	Severe
9116	Carl Perkins Rehabilitation Center	5659 Main St	Paintsville	Johnson	BSADD	Moderate	Moderate	Moderate	Low	Low	Low
9117	Pikeville College Community Technology Center	119 College St	Pikeville	Pike	BSADD	Moderate	Moderate	Moderate	Low	Low	High
9118	Pikeville Technical College	120 South River Fill Dr	Pikeville	Pike	BSADD	Moderate	Moderate	Moderate	Low	Low	High
9119	BSADD Community & Tech Coll-Johnson Adm Bldg	1 Bert Combs Dr	Prestonsburg	Floyd	BSADD	Moderate	Moderate	Moderate	Low	Low	Moderate
9120	Miller Information Technology Ctr, U of Louisville	Miller Information Technology Center	Louisville	Jefferson	Louisville Metro	High	Low	Low	Low	Severe	High
9121	School of Nursing and Allied Health, U of L	Building # 24 University of Louisville	Louisville	Jefferson	Louisville Metro	Severe	Low	Low	Low	Severe	High
9123	Cherry Hall, Western Kentucky University	0	Bowling Green	Warren	BRADD	High	Low	Low	Low	High	Low
9124	Grise Hall, Western Kentucky Univeristy	0	Bowling Green	Warren	BRADD	High	Low	Low	Low	High	Low
9125	Mass Media and Technology Hall	0	Bowling Green	Warren	BRADD	High	Low	Low	Low	High	Low
9127	1101 S Limestone	1101 S Limestone	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
9205	Wood Utilization Center	176 Robinson Rd	Jackson	Breathitt	KRADD	Moderate	Moderate	Moderate	Low	Low	High
9206	Dry Kiln & Boiler	176 Robinson Rd	Jackson	Breathitt	KRADD	Moderate	Moderate	Moderate	Low	Low	High
9215	Farm Office Trailer	176 Robinson Rd	Jackson	Breathitt	KRADD	Moderate	Moderate	Moderate	Low	Low	High
9300	Robinson Forest Equip Floater	0	Clayhole	Breathitt	KRADD	Low	Low	High	Low	Low	High
9302	Dorm & Classroom	617 Clemens Fork Rd	Clayhole	Breathitt	KRADD	Low	Low	High	Low	Low	High
9303	Camp Residence	617 Clemens Fork Rd	Clayhole	Breathitt	KRADD	Low	Low	High	Low	Low	High
9304	Dorm	617 Clemens Fork Rd	Clayhole	Breathitt	KRADD	Low	Low	High	Low	Low	High
9305	Faculty Dorm	617 Clemens Fork Rd	Clayhole	Breathitt	KRADD	Low	Low	High	Low	Low	High
9306	Kitchen & Dining Hall	617 Clemens Fork Rd	Clayhole	Breathitt	KRADD	Low	Low	High	Low	Low	High
9309	Equipment Shed	617 Clemens Fork Rd	Clayhole	Breathitt	KRADD	Low	Low	High	Low	Low	High
9311	Pole Equipment Shed	617 Clemens Fork Rd	Clayhole	Breathitt	KRADD	Low	Low	High	Low	Low	High

Building ID	Building Name	Address	City	County	Area Development District (ADD)/Local Hazard Mitigation Plan	Hazard Scores					
						Hailstorm	Karst/ Sinkhole	Landslide	Mine Subsidence	Tornado	Winter Storm
9312	Large Sawmill	617 Clemens Fork Rd	Clayhole	Breathitt	KRADD	Low	Low	Severe	Low	Low	High
9314	Pump House	617 Clemens Fork Rd	Clayhole	Breathitt	KRADD	Low	Low	High	Low	Low	High
9315	Fire Tower	617 Clemens Fork Rd	Clayhole	Breathitt	KRADD	Low	Low	High	Low	Low	High
9316	Research Lab	617 Clemens Fork Rd	Clayhole	Breathitt	KRADD	Low	Severe	High	Low	Low	High
9318	Caretakers Residence	617 Clemens Fork Rd	Clayhole	Breathitt	KRADD	Low	Low	High	Low	Low	High
9321	Bath House	617 Clemens Fork Rd	Clayhole	Breathitt	KRADD	Low	Low	High	Low	Low	High
9322	Gas Tank Shelter	617 Clemens Fork Rd	Clayhole	Breathitt	KRADD	Low	Low	High	Low	Low	High
9323	Bird Blind	619 Clemens Fork Rd	Clayhole	Breathitt	KRADD	Low	Low	High	Low	Low	High
9351	Kentucky Homeplace-Livingston Co.	502 Mill St	Smithland	Livingston	PeADD	High	Moderate	Low	Low	High	High
9352	Kentucky Homeplace-Graves Co.	620 South 6th St	Mayfield	Graves	PADD	High	Low	Low	Low	Severe	Moderate
9354	Kentucky Homeplace-Morgan Co.	151 University Dr Rm 312	West Liberty	Morgan	GWADD	Moderate	High	Moderate	Low	Low	Moderate
9356	Kentucky Homeplace-Calloway Co.	602 Memory Ln	Murray	Calloway	PADD	High	Moderate	Low	Low	Severe	Moderate
9400	AGR Ext Muhlenberg County	3690 State Route 1380	Central City	Muhlenberg	PeADD	High	Low	Low	Low	High	High
9401	AGR Ext Nelson County	317 S. Third Street	Bardstown	Nelson	LTADD	High	Low	Moderate	Low	High	Moderate
9402	AGR Ext Nicholas County	368 East Main Street	Carlisle	Nicholas	BGADD	Moderate	Moderate	Low	Low	Moderate	Low
9403	AGR Ext Ohio County	1337 Clay Street	Hartford	Ohio	GRADD	High	High	Low	Low	High	High
9404	AGR Ext Oldham County	1815 North Highway 393	LaGrange	Oldham	KIPDA	High	Low	Low	Low	Severe	Moderate
9405	AGR Ext Owen County	265 Ellis Highway	Owenton	Owen	NKADD	High	Low	Low	Low	High	Moderate
9406	AGR Ext Owsley County	02 Industrial Park Road	Booneville	Owsley	KRADD	High	Low	Moderate	Low	Low	Moderate
9407	AGR Ext Pendleton County	45 David Pribble Drive	Falmouth	Pendleton	NKADD	High	Low	Low	Low	High	Moderate
9408	AGR Ext Perry County	933 Perry Park Road	Hazard	Perry	KRADD	Low	Moderate	Moderate	Low	Low	Low
9409	AGR Ext Pike County	148 Trivette Drive	Pikeville	Pike	BSADD	Moderate	Moderate	Moderate	Low	Low	High
9410	AGR Ext Powell County	169 Maple Street	Stanton	Powell	BGADD	High	Moderate	Moderate	Low	Moderate	Low
9411	AGR Ext Pulaski County	28 Parkway Drive	Somerset	Pulaski	LCADD	Moderate	Low	Low	Low	High	Low
9412	AGR Ext Robertson County	Walnut Street	Mt. Olivet	Robertson	BTADD	High	Low	Low	Low	High	Low
9413	AGR Ext Rockcastle County	1050 W. Main Street	Mt. Vernon	Rockcastle	CVADD	Moderate	Low	Moderate	Low	High	Low
9414	AGR Ext Rowan County	627 East Main Street	Morehead	Rowan	GWADD	Moderate	High	Moderate	Low	Moderate	Severe

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						Hailstorm	Karst/ Sinkhole	Landslide	Mine Subsidence	Tornado	Winter Storm
9415	AGR Ext Russell County	2688 S. Hwy. 127	Russell Springs	Russell	LCADD	High	Low	Moderate	Low	High	Low
9416	AGR Ext Scott County	1130 Cincinnati Road	Georgetown	Scott	BGADD	High	Low	Low	Low	High	Moderate
9417	AGR Ext Shelby County	1117 Frankfort Road	Shelbyville	Shelby	KIPDA	High	Low	Low	Low	Severe	Moderate
9418	AGR Ext Simpson County	300 North Main Street	Franklin	Simpson	BRADD	High	Low	Low	Low	Severe	Low
9419	AGR Ext Spencer County	66 Spears Drive	Taylorsville	Spencer	KIPDA	Severe	Moderate	Low	Low	Severe	Moderate
9420	AGR Ext Taylor County	1143 South Columbia Ave.	Campbellsville	Taylor	LCADD	High	Low	Low	Low	High	Low
9421	AGR Ext Todd County	Courthouse	Elkton	Todd	PeADD	High	Low	Low	Low	Severe	Moderate
9422	AGR Ext Trigg County	Farm Bureau Building	Cadiz	Trigg	PeADD	High	Low	Low	Low	Severe	Moderate
9423	AGR Ext Trimble County	43 High Country Lane	Bedford	Trimble	KIPDA	High	Low	Low	Low	Severe	Moderate
9424	AGR Ext Union County	1938 US Hwy. 60 West	Morganfield	Union	GRADD	High	Low	Low	Low	High	High
9425	AGR Ext Warren County	3132 Nashville Road	Bowling Green	Warren	BRADD	High	Low	Low	Low	High	Low
9427	AGR EXT Washington County	211 Progress Avenue	Springfield	Washington	LTADD	High	Low	Low	Low	High	Low
9429	AGR Ext Wayne County	255 Rolling Hills Blvd.	Monticello	Wayne	LCADD	High	Low	Moderate	Low	High	Low
9430	AGR Ext Webster County	1118 US Highway 41A South	Dixon	Webster	GRADD	High	Low	Low	Low	High	High
9431	AGR Ext Whitley County	4275 N. Highway 25 W.	Williamsburg	Whitley	CVADD	Low	High	Moderate	Low	Moderate	Low
9432	AGR Ext Wolfe County	North Washington Street	Campton	Wolfe	KRADD	High	Moderate	Severe	Low	Moderate	Moderate
9433	AGR Ext Woodford County	184 Beasley Road	Versailles	Woodford	BGADD	Moderate	Low	Low	Low	High	Low
9486	Polk Dalton Family Care Clinic	1135 Red Mile Place	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
9487	Coldstream Center	1500 Bull Lea Rd Suite 100	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
9489	342 Waller Ave	342 Waller Ave	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
9492	Hazard Medical Arts Building	243 Roy Campbell Dr	Hazard	Perry	KRADD	Low	Low	Moderate	Low	Low	Low
9493	Kentucky Homeplace-Clay Co.	105 Main St	Manchester	Clay	CVADD	Low	Low	Moderate	Low	Moderate	Low
9494	Powell County Clinic	68 East Elkins St	Stanton	Powell	BGADD	High	Low	Moderate	Low	Moderate	Moderate
9501	Boat Dock	17575 Hwy. 196	Nancy	Pulaski	LCADD	High	Low	Moderate	Low	High	Low
9502	Dining Hall & Kitchen	17575 Hwy. 196	Nancy	Pulaski	LCADD	High	Low	Moderate	Low	High	Low
9503	Cabin #1	17575 Hwy. 196	Nancy	Pulaski	LCADD	High	Low	Moderate	Low	High	Low

Building ID	Building Name	Address	City	County	Area Development District (ADD)/Local Hazard Mitigation Plan	Hazard Scores					
						Hailstorm	Karst/ Sinkhole	Landslide	Mine Subsidence	Tornado	Winter Storm
9504	Cabin #2	17575 Hwy. 196	Nancy	Pulaski	LCADD	High	Low	Moderate	Low	High	Low
9505	Cabin #3	17575 Hwy. 196	Nancy	Pulaski	LCADD	High	Low	Moderate	Low	High	Low
9506	Cabin #4	17575 Hwy. 196	Nancy	Pulaski	LCADD	High	Low	Moderate	Low	High	Low
9507	Cabin #5	17575 Hwy. 196	Nancy	Pulaski	LCADD	High	Low	Moderate	Low	High	Low
9508	Cabin #6	17575 Hwy. 196	Nancy	Pulaski	LCADD	High	Low	Moderate	Low	High	Low
9509	Cabin #7	17575 Hwy. 196	Nancy	Pulaski	LCADD	High	Low	Moderate	Low	High	Low
9510	Cabin #8	17575 Hwy. 196	Nancy	Pulaski	LCADD	High	Low	Moderate	Low	High	Low
9511	Cabin #9	17575 Hwy. 196	Nancy	Pulaski	LCADD	High	Low	Moderate	Low	High	Low
9512	Cabin #10	17575 Hwy. 196	Nancy	Pulaski	LCADD	High	Low	Moderate	Low	High	Low
9513	Cabin #11	17575 Hwy. 196	Nancy	Pulaski	LCADD	High	Low	Moderate	Low	High	Low
9514	Cabin #12	17575 Hwy. 196	Nancy	Pulaski	LCADD	High	Low	Moderate	Low	High	Low
9515	Cabin #13	17575 Hwy. 196	Nancy	Pulaski	LCADD	High	Low	Moderate	Low	High	Low
9516	Health Center	17575 Hwy. 196	Nancy	Pulaski	LCADD	High	Low	Moderate	Low	High	Low
9517	Maintenance Storage Trailer	17500 Hwy. 196	Nancy	Pulaski	LCADD	High	Low	Moderate	Low	High	Low
9518	Sewage Treatment Plant	17500 Hwy. 196	Nancy	Pulaski	LCADD	High	Low	Moderate	Low	High	Low
9519	Shotgun Shelter	17500 Hwy. 196	Nancy	Pulaski	LCADD	High	Low	Moderate	Low	High	Low
9520	Bath House	17575 Hwy. 196	Nancy	Pulaski	LCADD	High	Low	Moderate	Low	High	Low
9521	Swimming Pool	17575 Hwy. 196	Nancy	Pulaski	LCADD	High	Low	Moderate	Low	High	Low
9522	Staff Trailer #1	17500 Hwy. 196	Nancy	Pulaski	LCADD	High	Low	Moderate	Low	High	Low
9523	Archery Shelter	17500 Hwy. 196	Nancy	Pulaski	LCADD	High	Low	Moderate	Low	High	Low
9524	Bird Blind	17500 Hwy. 196	Nancy	Pulaski	LCADD	High	Low	Moderate	Low	High	Low
9525	Modular Bldg/Nature & Crafts	17575 Hwy. 196	Nancy	Pulaski	LCADD	High	Low	Moderate	Low	High	Low
9526	Black Powder Shelter	17500 Hwy. 196	Nancy	Pulaski	LCADD	High	Low	Moderate	Low	High	Low
9527	Shop	17575 Hwy. 196	Nancy	Pulaski	LCADD	High	Low	Moderate	Low	High	Low
9528	Shelter House	17575 Hwy. 196	Nancy	Pulaski	LCADD	High	Low	Moderate	Low	High	Low
9529	Sewer Plant Storage	17500 Hwy. 196	Nancy	Pulaski	LCADD	High	Low	Moderate	Low	High	Low
9530	Cabin #14	17575 Hwy. 196	Nancy	Pulaski	LCADD	High	Low	Moderate	Low	High	Low
9531	Cabin #15	17575 Hwy. 196	Nancy	Pulaski	LCADD	High	Low	Moderate	Low	High	Low
9532	Country Store	17575 Hwy. 196	Nancy	Pulaski	LCADD	High	Low	Moderate	Low	High	Low
9533	Emergency Storm Shelter #1	17575 Hwy. 196	Nancy	Pulaski	LCADD	High	Low	Moderate	Low	High	Low

Building ID	Building Name	Address	City	County	Area Development District (ADD)/Local Hazard Mitigation Plan	Hazard Scores					
						Hailstorm	Karst/ Sinkhole	Landslide	Mine Subsidence	Tornado	Winter Storm
9534	Emergency Storm Shelter #2	17575 Hwy. 196	Nancy	Pulaski	LCADD	High	Low	Moderate	Low	High	Low
9535	Archery Storage	17500 Hwy. 196	Nancy	Pulaski	LCADD	High	Low	Moderate	Low	High	Low
9537	Pistol Shelter	17500 Hwy. 196	Nancy	Pulaski	LCADD	High	Low	Moderate	Low	High	Low
9538	Ky Leadership Center	17575 Hwy. 196	Nancy	Pulaski	LCADD	High	Low	Moderate	Low	High	Low
9541	Outpost #1	17575 Hwy. 196	Nancy	Pulaski	LCADD	High	Low	Moderate	Low	High	Low
9542	Outpost #2	17575 Hwy. 196	Nancy	Pulaski	LCADD	High	Low	Moderate	Low	High	Low
9545	Amphitheatre Stage	17575 Hwy. 196	Nancy	Pulaski	LCADD	High	Low	Moderate	Low	High	Low
9548	Riflery	17575 Hwy. 196	Nancy	Pulaski	LCADD	High	Low	Moderate	Low	High	Low
9549	KY Leadership MGR House	17575 Hwy. 196	Nancy	Pulaski	LCADD	High	Low	Moderate	Low	High	Low
9551	Greenhouse	17575 Hwy. 196	Nancy	Pulaski	LCADD	High	Low	Moderate	Low	High	Low
9552	Outside Storage	17575 Hwy. 196	Nancy	Pulaski	LCADD	High	Low	Moderate	Low	High	Low
9612	AGR Ext Adair County	409 Fairground Street	Columbia	Adair	LCADD	Moderate	Moderate	Low	Low	High	Low
9613	AGR Ext Allen County	200 East Main Street	Scottsville	Allen	BRADD	High	Low	Low	Low	High	Low
9614	AGR Ext Anderson County	1026 County Park Road	Lawrenceburg	Anderson	BGADD	High	Low	Low	Low	High	Low
9615	AGR Ext Ballard County	110 Broadway	La Center	Ballard	PADD	Moderate	Low	Low	Low	High	High
9616	AGR Ext Barren County	1463 West Main Street	Glasgow	Barren	BRADD	Moderate	Low	Low	Low	High	Low
9617	AGR Ext Bath County	2914 East Highway 60	Owingsville	Bath	GWADD	Moderate	Low	Low	Low	Moderate	Moderate
9618	AGR Ext Bell County	101 Courthouse Square	Pineville	Bell	CVADD	Low	Moderate	Moderate	Low	Moderate	Low
9619	AGR Ext Boone County	6028 Camp Ernst Road	Burlington	Boone	NKADD	Moderate	Low	Low	Low	High	Moderate
9620	AGR Ext Bourbon County	603 Millersburg Road	Paris	Bourbon	BGADD	Moderate	Low	Low	Low	High	Low
9621	AGR Ext Boyd County	2420 Center Street	Cattlettsburg	Boyd	FIVCO	Low	Moderate	Moderate	Low	Low	High
9622	AGR Ext Boyle County	99 Corporate Drive	Danville	Boyle	BGADD	Moderate	Low	Moderate	Low	High	Low
9623	AGR Ext Bracken County	1120 Brooksville-Germantown Road	Brooksville	Bracken	BTADD	High	Low	Low	Low	High	Moderate
9624	AGR Ext Breathitt County	1155 Main Street	Jackson	Breathitt	KRADD	Moderate	High	Moderate	Low	Low	High
9625	AGR Ext Breckinridge County	1377 Highway 261 South	Hardinsburg	Breckinridge	LTADD	High	Low	Low	Low	High	Moderate
9626	AGR Ext Bullitt County	384 Halls Lane	Shepherdsville	Bullitt	KIPDA	High	Moderate	Low	Low	Severe	Moderate

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						Hailstorm	Karst/ Sinkhole	Landslide	Mine Subsidence	Tornado	Winter Storm
9627	AGR Ext Butler County	112 E GL Smith Street	Morgantown	Union	GRADD	High	High	Low	Low	High	Moderate
9628	AGR Ext Caldwell County	1025 US Hwy. 62W	Princeton	Caldwell	PeADD	High	Low	Low	Low	Severe	High
9629	AGR Ext Calloway County	310 S. Fourth Street	Murray	Calloway	PADD	High	Moderate	Low	Low	Severe	Moderate
9630	AGR Ext Campbell County	3500 Alexandria Pike	Highland Heights	Campbell	NKADD	Moderate	Low	Moderate	Low	High	Moderate
9631	AGR Ext Carlisle County	Kelley Building (US Hwy 51 S. & KY 123 W.)	Bardwell	Carlisle	PADD	Moderate	Moderate	Moderate	Low	Severe	Moderate
9632	AGR Ext Carroll County	500 Floyd Drive	Carrollton	Carroll	NKADD	High	Moderate	Low	Low	High	Moderate
9633	AGR Ext Carter County	94 Fairground Drive	Grayson	Carter	FIVCO	Low	Moderate	Moderate	Low	Low	High
9634	AGR Ext Casey County	1517 S. Wallace Wilkinson Blvd.	Liberty	Casey	LCADD	Moderate	High	Low	Low	High	Low
9635	AGR Ext Christian County	2850 Pembroke Road	Hopkinsville	Christian	PeADD	High	Low	Low	Low	Severe	Moderate
9636	AGR Ext Clark County	1400 Fortune Drive	Winchester	Clark	KIPDA	Moderate	Low	Low	Low	High	Low
9637	AGR Ext Clay County	69 Jameson Road	Manchester	Clay	CVADD	Low	Moderate	Moderate	Low	Moderate	Low
9638	AGR Ext Clinton County	2601 North Highway 127	Albany	Clinton	LCADD	High	Moderate	Moderate	Low	High	Low
9639	AGR Ext Crittenden County	1534 US Highway 60 East	Marion	Crittenden	PeADD	High	Moderate	Low	Low	High	High
9640	AGR Ext Cumberland County	90 Smith Grove Road, Burkesville	Burksville	Cumberland	LCADD	High	Moderate	Moderate	Low	High	Low
9641	AGR Ext Daviess County	4800A New Hartford Road	Owensboro	Daviess	GRADD	High	Low	Moderate	Low	High	High
9642	AGR Ext Edmonson County	116 Mohawk Street	Brownsville	Edmonson	BRADD	High	Low	Low	Low	High	Low
9643	AGR Ext Elliott County	HC 81, Box 483	Sandy Hook	Elliott	FIVCO	Low	Low	Moderate	Low	Low	High
9644	AGR Ext Estill County	76 Golden Court	Irvine	Estill	BGADD	High	Low	Low	Low	Moderate	Low
9645	AGR Ext Fayette County	1140 Red Mile Place	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
9646	AGR Ext Fleming County	1384 Elizaville Road	Flemingsburg	Fleming	BTADD	Moderate	Low	Low	Low	Moderate	Severe
9647	AGR Ext Floyd County	921 South Lake Drive	Prestonsburg	Floyd	BSADD	Moderate	Moderate	Moderate	Low	Low	Moderate
9648	AGR Ext Franklin County	101 Lakeview Court	Frankfort	Franklin	BGADD	High	Low	Low	Low	High	Low
9649	AGR Ext Fulton County	2114 South Seventh Street	Hickman	Fulton	PADD	Low	Low	Moderate	Low	High	Moderate
9650	AGR Ext Gallatin County	US 42 West	Warsaw	Gallatin	NKADD	High	High	Moderate	Low	High	Moderate

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						Hailstorm	Karst/ Sinkhole	Landslide	Mine Subsidence	Tornado	Winter Storm
9651	AGR Ext Garrard County	1302 Stanford Road	Lancaster	Garrard	BGADD	Moderate	Low	Low	Low	High	Low
9652	AGR Ext Grant County	105 Baton Rouge Road	Williamstown	Grant & Pendleton	NKADD	High	Low	Low	Low	High	Moderate
9653	AGR Ext Graves County	251 Housman Street	Mayfield	Graves	PADD	High	Low	Low	Low	Severe	Moderate
9654	AGR Ext Grayson County	123 Commerce Drive	Leitchfield	Grayson	LTADD	High	Moderate	Low	Low	High	Moderate
9655	AGR Ext Green County	298 Happyville Road	Greensburg	Green	LCADD	High	Low	Low	Low	High	Low
9656	AGR Ext Greenup County	35 Wurtland Avenue	Wurtland	Greenup	FIVCO	Low	High	Moderate	Low	Moderate	High
9657	AGR Ext Hancock County	1605 US Highway 60 West	Hawesville	Hancock	GRADD	High	Low	Low	Low	High	Moderate
9658	AGR Ext Hardin County	201 Peterson Drive	Elizabethtown	Hardin	LTADD	High	High	Low	Low	High	Moderate
9659	AGR Ext Harlan County	519 S. Main Street	Harlan	Harlan	CVADD	Low	Moderate	High	Low	Moderate	Moderate
9660	AGR Ext Harrison County	668 New Lair Road	Cynthiana	Harrison	BGADD	High	Low	Low	Low	Moderate	Low
9661	AGR Ext Hart County	505 A.A. Whitman Lane	Munfordville	Hart	BRADD	Moderate	Low	Low	Low	High	Low
9662	AGR Ext Henderson County	3341 Zion Road	Henderson	Henderson	GRADD	High	Moderate	Low	Low	High	High
9663	AGR Ext Henry County	Highway 421	New Castle	Henry	KIPDA	High	Low	Low	Low	Severe	Moderate
9664	AGR Ext Hickman County	116 S. Jefferson, Courthouse Square	Clinton	Hickman	PADD	Moderate	Moderate	Moderate	Low	High	Moderate
9665	AGR Ext Hopkins County	75 Cornwall Drive	Madisonville	Hopkins	PeADD	High	Moderate	Low	Low	Severe	High
9666	AGR Ext Jackson County	263 US Highway 421 South	McKee	Jackson	CVADD	High	Low	Low	Low	Moderate	Low
9667	AGR Ext Jefferson County	810 Barret Avenue	Louisville	Jefferson	Louisville Metro	Severe	High	Low	Low	Severe	High
9668	AGR Ext Jessamine County	95 Park Drive	Nicholasville	Jessamine	BGADD	Moderate	Low	Low	Low	High	Low
9669	AGR Ext Johnson County	826 F.M. Stafford Avenue	Paintsville	Johnson	BSADD	Moderate	Moderate	Moderate	Low	Low	Low
9670	AGR Ext Kenton County	10990 Marshall Road	Covington	Kenton	NKADD	Moderate	Low	Low	Low	High	Moderate
9671	AGR Ext Knott County	149 Parks Branch Road	Hindman	Knott	KRADD	Low	Low	Moderate	Low	Low	Low
9672	AGR Ext Knox County	215 Truehaft Blvd., Suite 7	Barbourville	Knox	CVADD	Low	High	Moderate	Low	Moderate	Low
9673	AGR Ext Larue County	807 Old Elizabethtown Road	Hodgenville	LaRue	LTADD	High	Low	Low	Low	High	Moderate
9674	AGR Ext Laurel County	200 County Extension Road	London	Laurel	CVADD	Low	Low	Low	Low	Moderate	Low

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						Hailstorm	Karst/ Sinkhole	Landslide	Mine Subsidence	Tornado	Winter Storm
9675	AGR Ext Lawrence County	249 Industrial Park Road	Louisa	Lawrence	FIVCO	Low	Moderate	Moderate	Low	Low	Moderate
9676	AGR Ext Lee County	500 Happy Top Road	Beattyville	Lee	KRADD	High	Moderate	Moderate	Low	Moderate	Low
9677	AGR Ext Leslie County	22045 Main Street (514)	Hyden	Leslie	KRADD	Low	Moderate	High	Low	Low	Low
9678	AGR Ext Letcher County	478 Extension Drive	Whitesburg	Letcher	KRADD	Low	Moderate	Moderate	Low	Low	High
9679	AGR Ext Lewis County	284 Second Street	Vanceburg	Lewis	BTADD	Low	Moderate	High	Low	High	High
9680	AGR Ext Lincoln County	104 Metker Trail	Stanford	Lincoln	BGADD	Moderate	Low	Moderate	Low	High	Low
9681	AGR Ext Livingston County	Wilson Avenue	Smithland	Livingston	PeADD	High	Moderate	Low	Low	High	High
9682	AGR Ext Logan County	255 John Paul Road	Russellville	Logan	BRADD	High	Moderate	Low	Low	High	Moderate
9683	AGR Ext Logan County	231 West Main Street	Eddyville	Lyon	PeADD	High	High	Low	Low	Severe	Moderate
9684	AGR Ext Madison County	230 Duncannon Lane	Richmond	Madison	BGADD	Moderate	Low	Low	Low	High	Low
9685	AGR Ext Magoffin County	15 Rockhouse Fork Road	Salyersville	Magoffin	BSADD	Moderate	Low	Moderate	Low	Low	Moderate
9686	AGR Ext Marion County	416 Fairgrounds Road	Lebanon	Marion	LTADD	High	Low	Moderate	Low	High	Low
9687	AGR Ext Marshall County	1933 Mayfield Highway	Benton	Marshall	PADD	High	Low	Low	Low	Severe	Moderate
9688	AGR Ext Martin County	9 Holy Street	Inez	Martin	BSADD	Moderate	Moderate	Moderate	Low	Low	Low
9689	AGR Ext Mason County	800 US 68	Maysville	Mason	BTADD	High	Moderate	Moderate	Low	High	Moderate
9690	AGR Ext McCracken County	2705 Olivet Church Road	Paducah	McCracken	PADD	Moderate	Low	Low	Low	High	High
9691	AGR Ext McCreary County	McCreary Campus, Somerset Com College	Whitley City	McCreary	LCADD	Moderate	Low	Moderate	Low	Moderate	Low
9692	AGR Ext McLean County	335 W. 7th Street	Calhoun	McLean	GRADD	High	Low	Moderate	Low	Severe	High
9693	AGR Ext Meade County	1041 Old Ekron Road	Brandenburg	Meade	LTADD	High	Low	Low	Low	High	Low
9694	AGR Ext Menefee County	140 Main Street	Frenchburg	Menifee	GWADD	High	Low	Moderate	Low	Moderate	Low
9695	AGR Ext Mercer County	1007 Lexington Road	Harrodsburg	Mercer	BGADD	Moderate	Low	Low	Low	High	Low
9696	AGR Ext Metcalfe County	422 East Street	Edmonton	Metcalfe	BRADD	High	Low	Low	Low	High	Low
9697	AGR Ext Monroe County	1194 Columbia Avenue	Tompkinsville	Monroe	BRADD	High	Low	Low	Low	High	Low
9698	AGR Ext Montgomery County	106 East Locust Street	Mt. Sterling	Montgomery	GWADD	Moderate	Low	Low	Low	Moderate	Moderate
9699	AGR Ext Morgan County	1009 Highway 172	West Liberty	Morgan	GWADD	Moderate	Low	Moderate	Low	Low	Low

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						Hailstorm	Karst/ Sinkhole	Landslide	Mine Subsidence	Tornado	Winter Storm
9733	Professional Arts Center (Samaritan)	135 E Maxwell St	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
9762	Ashley Place	811 Main St	Morgantown	Union	GRADD	High	High	Low	Low	High	Moderate
9776	Wolf County Courthouse	Main St	Campton	Wolfe	KRADD	High	Moderate	Moderate	Low	Moderate	Moderate
9801	Windstream Bldg.	0				Moderate	Low	Low	Low	High	Low
9803	1830 Destiny Ln #107	1830 Destiny Ln #107	Bowling Green	Warren	BRADD	High	Low	Low	Low	High	Low
9804	Literacy Center (College of Ed)	120 Quinton Ct	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
9805	UK Healthcare - Georgetown	202 Bevins Lane	Georgetown	Scott	BGADD	High	Moderate	Low	Low	High	Moderate
9806	Center for Health Education and Research	316 W Sun St.	Morehead	Rowan	GWADD	Moderate	High	Moderate	Low	Moderate	Severe
9807	ARH Medical Mall	210 Black Gold Blvd.	Hazard	Perry	KRADD	Low	Low	Moderate	Low	Low	Low
9808	1152 Lexington Rd	1152 Lexington Rd	Georgetown	Scott	BGADD	High	Low	Low	Low	High	Moderate
9810	Doctor's Office Park	1517 Nicholasville Rd	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
9812	UK Federal Credit Union	1080 Export St	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
9813	Child Development Center of the BGADD, Inc.	290 Alumni Dr	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
9814	UK Morehead OB/GYN	555 W. Sun St	Morehead	Rowan	GWADD	Moderate	High	Moderate	Low	Moderate	Severe
9815	Dan A. Martin Dental Clinic	412 N. Kentucky Ave	Madisonville	Hopkins	PeADD	High	Low	Low	Low	Severe	High
9816	Royal Lexington (Lease)	695 Winnie St	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
9817	Western KY Dental	0				Moderate	Low	Low	Low	High	Low
9820	Jessamine Eye Center	100 John Sutherland Dr	Nicholasville	Jessamine	BGADD	Moderate	Low	Low	Low	High	Low
9822	245 Fountain Court	245 Fountain Court	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
9823	UKHealthCare EYE Center Richmond	920 Barnes Mill Rd, Ste D	Richmond	Madison	BGADD	Moderate	Low	Low	Low	High	Low
9825	Coldstream CIE	1648 McGrathiana STE #50	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
9829	UK KY Clinic, Morehead	228 W. 2nd Street	Morehead	Rowan	GWADD	Moderate	High	Moderate	Low	Moderate	Severe
9831	845 Red Mile Rd (University Trails)	845 Red Mile Rd	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
9833	Audubon Medical Plaza East	3 Audubon Plaza, Ste 150	Louisville	Jefferson	Louisville Metro	Severe	Low	Low	Low	Severe	High
9835	Appalachian Heart Center	200 Medical Center Dr.	Hazard	Perry	KRADD	Low	Low	Moderate	Low	Low	Low
9836	Maysville Cancer Treatment Center	1115 Progress Way	Maysville	Mason	BTADD	High	Low	Low	Low	High	Moderate
9837	Appalachian Heart Center	90 Ball Park Rd	Harlan	Harlan	CVADD	Low	High	Moderate	Low	Moderate	Moderate

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						Hailstorm	Karst/ Sinkhole	Landslide	Mine Subsidence	Tornado	Winter Storm
9838	Residential Medical Research	1401 Nicholasville Rd	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
9839	Turfland Clinic	2195 Harrodsburg Rd	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
9840	615 N Mulberry	615 N Mulberry	Elizabethtown	Hardin	LTADD	High	Low	Low	Low	High	Moderate
9841	151 University Dr, Morehead, KY	151 University Dr	Morehead	Rowan	GWADD	Moderate	High	Moderate	Low	Moderate	Severe
9844	KY Clinic South	2400 Greatstone Pt	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
9845	Interdisciplinary Human Development Institute	1525 Bull Lea Rd	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
9847	Polk Dalton Clinic	217 Elm Tree Ln	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
9852	Sanders Brown Center on Aging	1030 S Broadway, Suites 5-6	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
9853	Shriners Hospitals for Children Medical Center - Lexington	110 Conn Ter	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
9854	Anthropology Research Building	1020 Export St	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
9855	Offices (Dental Public Health)	333 Waller Ave	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
9857	Commerce Lexington	330 E Main St	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
9860	601 Chamberlain Ave	601 Chamberlain Ave	Frankfort	Franklin	BGADD	High	High	Moderate	Low	High	Low
9861	845 Angliana Ave	845 Angliana Ave	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
9862	2317 Alumni Park Plaza	2317 Alumni Park Plaza	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
9880	BGADD Station	5751 Briar Hill Rd	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
9892	OCSS at Simpson Center	1080 S Broadway STE 106	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
9894	465 E. High St. Lexington	465 E High St	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
9897	2347 Sterlington Rd	2347 Sterlington Rd	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
9898	2850 Penbroke Rd	2850 Penbroke Rd	Hopkinsville	Christian	PeADD	High	Low	Low	Low	Severe	Moderate
9900	KSP Crime Lab	100 Sower Blvd	Frankfort	Franklin	BGADD	High	Low	Low	Low	High	Low
9902	Fulton Health Department	350 Browder St	Fulton	Fulton	PADD	Moderate	Moderate	Low	Low	High	Moderate
9903	Trover Clinic	605 S. Jefferson St	Princeton	Caldwell	PeADD	High	Low	Low	Low	Severe	High
9904	Breathitt County Homeplace	1154 Main St	Jackson	Breathitt	KRADD	Moderate	High	Moderate	Low	Low	High
9906	Lee County Homeplace	120 Main St	Beattyville	Lee	KRADD	High	High	Moderate	Low	Moderate	Low

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						Hailstorm	Karst/ Sinkhole	Landslide	Mine Subsidence	Tornado	Winter Storm
9907	Heuser Hearing Institute	111-117 E Kentucky St	Louisville	Jefferson	Louisville Metro	Severe	Low	Low	Low	Severe	High
9909	Johnson Co. Rec/Comm Center Paintsville, KY	232 Preston St	Paintsville	Johnson	BSADD	Moderate	High	Moderate	Low	Low	Low
9910	Salvation Army	736 W Main St	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
9911	Edythe Hayes Middle School	264 Richardson Place	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
9912	108 Bulldog Ln, Rm 16	108 Bulldog Ln, Rm 16	Louisa	Lawrence	FIVCO	Moderate	Low	Moderate	Low	Low	Moderate
9913	UK Healthcare Sports Medicine	601 Perimeter Drive	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
9914	Magoffin Co. Health Dept.	132 East Mountain Pkwy	Salversville	Magoffin	BSADD	Moderate	Moderate	Moderate	Low	Low	Moderate
9916	Lotts Creek Community School	5837 Lotts Creek Rd.	Hazard	Perry	KRADD	Low	Low	Moderate	Low	Low	Low
9919	Commonwealth Office of Technology	101 Cold Harbor Dr	Frankfort	Franklin	BGADD	High	Moderate	Low	Low	High	Low
9921	(new) Eastern State Hospital	1350 Bull Lea Rd	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
9922	343 Waller Ave	343 Waller Ave	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
9923	Eastern State Hospital Central Plant	1342 Bull Lea Rd.	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
9924	Best Practice Family Health	1358 Watergap Rd	Prestonsburg	Floyd	BSADD	Moderate	Moderate	Moderate	Low	Low	Moderate
9925	Alpha Phi Sorority	417 Columbia Ave	Lexington	Fayette	LFUCG	Moderate	Severe	Low	Low	High	High
9926	UK Golf Practice Facility	4850 Leestown Rd	Lexington	Fayette	LFUCG	High	Low	Low	Low	High	Low
9930	KY Homeplace-Carter Co.	101 Fraley-Miller Plaza Ste B	Grayson	Carter	FIVCO	Low	Moderate	Moderate	Low	Low	High
9931	1105 Julianna Ct	1105 Julianna Ct	Elizabethtown	Hardin	LTADD	High	Low	Low	Low	High	Moderate
9932	Knox County Homeplace	320 Hight St	Barbourville	Knox	CVADD	Low	High	Moderate	Low	Moderate	Low
9933	233-299 E Main St	233-299 E Main St	Morehead	Rowan	GWADD	Moderate	High	Moderate	Low	Moderate	Severe
9936	Eastern State Hospital Central KY Recovery Center #1	1358 Bull Lea Rd	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
9937	Eastern State Hospital Central KY Recovery Center #2	1366 Bull Lea Rd.	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
9938	Eastern State Hospital Central KY Recovery Center #3	1374 Bull Lea Rd.	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
9939	Eastern State Hospital Central KY Recovery Center #4	1382 Bull Lea Rd.	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
9941	3470 Blazer Parkway	3470 Blazer Parkway	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
9947	2355 Huguenard Dr	2355 Huguenard Dr	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low

Building ID	Building Name	Address	City	County	Area Development District (ADD)/Local Hazard Mitigation Plan	Hazard Scores					
						Hailstorm	Karst/ Sinkhole	Landslide	Mine Subsidence	Tornado	Winter Storm
9949	Cardinal Hill Hospital	2050 Versailles Rd	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
9953	2365 Harrodsburg Rd	2365 Harrodsburg Rd	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
9954	Crounse Building	4810 Alben Barkley Dr	Paducah	McCracken	PADD	Moderate	Low	Low	Low	High	High
9957	Centralized Laboratory	100 Sower Blvd	Frankfort	Franklin	BGADD	High	Low	Low	Low	High	Low
9958	Family Ties Resource	0	0			Moderate	Low	Low	Low	High	Low
9961	Old Sullivan College,LCC-S	2659 Regency Rd	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
9962	Bourbon Medical Center	0	0			Moderate	Low	Low	Low	High	Low
9970	Henderson CC Admin Bldg	0	0			Moderate	Low	Low	Low	High	Low
9977	Ashland Technical College	0	0			Moderate	Low	Low	Low	High	Low
9978	206 1st St	206 1st St	Morehead	Rowan	GWADD	Moderate	High	Moderate	Low	Moderate	Severe
9979	LCC Winchester-Clark County Campus	36 Wheeler Ave	Winchester	Clark	KIPDA	Moderate	Low	Low	Low	High	Low
9980	2900 Cofer Rd	2900 Cofer Rd	Richmond	Madison	BGADD	Low	Low	Low	Low	Low	Low
9982	176 Pasadena Dr	176 Pasadena Dr	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
9983	College of Medicine Building	138 Leader Ave	Lexington	Fayette	LFUCG	Moderate	High	Low	Low	High	Low
9984	KMSF	2333 Alumni Park Plaza	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
9987	Stor All Man O&E™ War	2750 Palumbo Dr, Unit# 948	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
9992	Central Baptist, Building C	1760 Nicholasville Rd	Lexington	Fayette	LFUCG	Moderate	Low	Low	Low	High	Low
9997	Rock of Ages	771 W Main St	Lexington	Fayette	LFUCG	Moderate	Moderate	Low	Low	High	Low
9998	413 Main St Hazard, KY	413 Main St	Hazard	Perry	KRADD	Low	High	Moderate	Low	Low	Low



Vulnerability Scores

Building ID	Building Name	Address	City	County	Area Development District (ADD)/Local Hazard Mitigation Plan	Vulnerability Scores						
						Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire	Karst/Sinkhole
0	MAIN CAMP FLOATER	0	Lexington	Fayette	LFUCG	Low	High	High	High	Moderate	Moderate	Moderate
1	Taylor Education Bldg	597 S Upper St	Lexington	Fayette	LFUCG	Low	High	High	High	Low	Moderate	Moderate
2	Scott St Bldg	110 Scott St	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Low	Low	Low
3	Research Facility #1	111 Washington Ave	Lexington	Fayette	LFUCG	Low	High	Moderate	Moderate	Low	Moderate	High
4	Central Heating Plant #2	598 S Upper St	Lexington	Fayette	LFUCG	Low	Severe	Severe	High	Low	High	High
5	Frank D. Peterson Service Bldg	411 S Limestone	Lexington	Fayette	LFUCG	Low	Severe	Severe	Severe	Low	High	High
9	Patterson Hall	335 South MLK Blvd	Lexington	Fayette	LFUCG	Low	High	High	High	Low	Moderate	Moderate
10	Hamilton House	342 S Limestone	Lexington	Fayette	LFUCG	Low	High	Moderate	Moderate	Low	Low	Low
12	Blazer Hall	343 S Martin Luther King Blvd	Lexington	Fayette	LFUCG	Low	High	High	Severe	Low	Moderate	Moderate
13	KGS Core Library	2500 Research Park Dr	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Moderate	Low	Moderate
14	Boone Faculty Center	500 Rose St	Lexington	Fayette	LFUCG	Low	High	Moderate	Moderate	High	Low	Severe
15	Sturgill (William B.) Development Bldg	450 Rose St	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	High	Low	Severe
16	Gatehouse KY Clinic	140 Huguelet Dr	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Low	Low	High
17	Dickey Hall	251 Scott St	Lexington	Fayette	LFUCG	Low	High	High	High	Low	Moderate	Moderate
19	Memorial Coliseum	201 Avenue of Champions	Lexington	Fayette	LFUCG	Low	High	High	High	High	Moderate	High
20	Engineering Transportation Research Garage	531 S Limestone	Lexington	Fayette	LFUCG	Low	High	Moderate	Moderate	Low	Low	Low
21	Old Engineers Residence	421 Rose St	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	High	Low	Severe
22	Fine Arts Guignol Bldg	465 Rose St	Lexington	Fayette	LFUCG	Low	High	High	High	High	Moderate	Severe
23	Police (Safety and Security)	305 Euclid Ave	Lexington	Fayette	LFUCG	Low	Severe	Severe	High	High	High	Severe
24	Lafferty Hall	150 Patterson Dr	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	High	Low	Severe
25	White Hall Classroom Bldg	140 Patterson Dr	Lexington	Fayette	LFUCG	Low	Severe	Severe	Severe	Severe	High	Severe
26	Student Center Addition	180 Avenue of Champions	Lexington	Fayette	LFUCG	Low	High	Moderate	Moderate	Low	Low	Low
27	Patterson Office Tower	120 Patterson Dr	Lexington	Fayette	LFUCG	Low	Severe	Severe	Severe	Low	High	High
28	Barker Hall	408 Administration Dr	Lexington	Fayette	LFUCG	Low	High	High	High	Low	Moderate	Moderate



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						Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire	Karst/Sinkhole
29	Alumni Gym	102 Avenue of Champions	Lexington	Fayette	LFUCG	Low	High	Moderate	Moderate	High	Low	High
30	Student Center	404 Administration Dr	Lexington	Fayette	LFUCG	Low	High	High	High	Low	Moderate	High
31	Frazer Hall	406 Administration Dr	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Low	Low	Low
32	Main (Administration) Bldg	410 Administration Dr	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Low	Low	Low
33	Ezra Gillis Bldg	502 Administration Dr	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Low	Low	Low
34	Carol Martin Gatton Business & Economics Bldg	550 S Limestone	Lexington	Fayette	LFUCG	Low	High	High	High	Low	Moderate	High
35	Miller Hall	504 Administration Dr	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Low	Low	High
36	Gatehouse Gate 2	620 Gladstone Ave	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	High
37	109 State St	109 State St	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	High
38	Engineering Annex (Mining Laboratory)	169 Funkhouser Dr	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	High	Low	Severe
39	Margaret I. King Library	179 Funkhouser Dr	Lexington	Fayette	LFUCG	Low	High	High	High	High	Moderate	Severe
40	Maxwell Place	471 Rose St	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	High	Low	Severe
41	Pence Hall	175 Funkhouser Dr	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Severe	Low	Severe
42	Grehan Journalism Bldg	167 Funkhouser Dr	Lexington	Fayette	LFUCG	Low	High	High	High	High	Moderate	High
43	Whalen (S. J. Sam) Transportation Bldg	533 S Limestone	Lexington	Fayette	LFUCG	Low	High	Moderate	High	Low	Moderate	Moderate
44	Kastle Hall	171 Funkhouser Dr	Lexington	Fayette	LFUCG	Low	High	High	High	Severe	Moderate	Severe
45	McVey Hall	155 Graham Ave	Lexington	Fayette	LFUCG	Low	High	High	High	Severe	Moderate	Severe
46	F. Paul Anderson Tower	512 Administration Dr	Lexington	Fayette	LFUCG	Low	High	High	High	Low	Moderate	High
47	C. W. Mathews Bldg	606 S Limestone	Lexington	Fayette	LFUCG	Low	High	High	High	High	Moderate	High
48	Law Building	620 S Limestone	Lexington	Fayette	LFUCG	Low	High	High	High	High	Moderate	High
49	Memorial Hall	610 S Limestone	Lexington	Fayette	LFUCG	Low	High	High	High	High	Moderate	High
50	Erikson Hall	135 Graham Ave	Lexington	Fayette	LFUCG	Low	High	Moderate	Moderate	High	Moderate	High
51	Mineral Industries Bldg	120 Graham Ave	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Low	Low	High



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52	Terrell Civil Engineering Bldg	140 Graham Ave	Lexington	Fayette	LFUCG	Low	High	High	High	Low	Moderate	High
53	Slone Research Bldg	121 Washington Ave	Lexington	Fayette	LFUCG	Low	High	High	High	Low	Moderate	High
54	Funkhouser Bldg	160 Funkhouser Dr	Lexington	Fayette	LFUCG	Low	High	Severe	Severe	Severe	High	Severe
55	Chemistry-Physics Building	505 Rose St	Lexington	Fayette	LFUCG	Low	Severe	Severe	Severe	Severe	High	Severe
56	Breckinridge Hall	168 Funkhouser Dr	Lexington	Fayette	LFUCG	Low	High	High	High	Low	Moderate	High
57	Kinthead Hall	172 Funkhouser Dr	Lexington	Fayette	LFUCG	Low	High	Moderate	Moderate	Low	Low	High
58	Bradley Hall	545 Rose St	Lexington	Fayette	LFUCG	Low	High	High	High	Low	Moderate	High
59	Bowman Hall	151 Washington Ave	Lexington	Fayette	LFUCG	Low	High	High	High	Low	Moderate	High
61	Tobacco Research Laboratory	150 Washington Ave	Lexington	Fayette	LFUCG	Low	High	Moderate	Moderate	Low	Low	High
63	Shed Ecological Research	1685 Russell Cave Road	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Low
64	Scovell Hall	115 Huguelet Dr	Lexington	Fayette	LFUCG	Low	High	High	High	High	Moderate	High
65	Small Animal Lab	150 Huguelet Dr	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	High
66	Agronomy Head House & Greenhouses 1 & 2	152 Huguelet Dr	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Low	Low	High
67	Chi Omega Sorority	456 Rose St	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	High	Low	Severe
68	Delta Delta Delta Sorority	468 Rose St	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	High	Low	Severe
69	Alpha Delta Pi Sorority	476 Rose St	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	High	Low	Severe
73	Cooper Forestry (Thomas Poe) Bldg	730 Rose St	Lexington	Fayette	LFUCG	Low	High	Moderate	Moderate	Low	Low	High
74	Shively Track & Field Stadium	698 Sports Center Dr	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	High	Low	Severe
75	Kelley Building	360 Huguelet Dr	Lexington	Fayette	LFUCG	Low	High	Moderate	Moderate	High	Moderate	Severe
76	Dimmock Animal Pathology	1081 Veterans Dr	Lexington	Fayette	LFUCG	Low	High	Moderate	Moderate	Low	Low	High
77	653 Maxwellton Ct.	653 Maxwellton Ct.	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	High	Low	High
78	Med Center Annex #5	1096 Veterans Dr	Lexington	Fayette	LFUCG	Low	High	High	High	Low	Moderate	High
79	Central Residence Hall II	361 Huguelet Dr	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	High	Low	Severe
80	Central Residence Hall I	340 Hilltop Ave	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	High	Low	Severe
81	Cooker Trailer Storage	300 Alumni Dr	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	High
82	Multi-Disciplinary Science Building (MDS)	725 Rose St	Lexington	Fayette	LFUCG	Low	High	High	High	Low	Moderate	High



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						Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire	Karst/Sinkhole
83	453 Columbia Ave	453 Columbia Ave	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	High	Low	Severe
84	Gatehouse Roach Bldg	750 Rose St	Lexington	Fayette	LFUCG	Low	High	High	High	Low	Moderate	High
85	Medical Center Heating and Cooling Plant	151 Hospital Dr	Lexington	Fayette	LFUCG	Low	Severe	Severe	High	Low	High	High
86	College of Medicine Office Bldg	1100 Veterans Dr	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Low	Low	High
87	Medical Center Storage Facility	1530 College Way	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Severe	Low	Moderate
88	Agriculture Motor Pool	1505 College Way	Lexington	Fayette	LFUCG	Low	High	Moderate	Moderate	Severe	Moderate	High
89	Cooling Plant #1	195 Hospital Dr	Lexington	Fayette	LFUCG	Low	Severe	Severe	High	Low	High	High
90	University Lofts	236 Bolivar Ave	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Low
91	Agriculture Science Center North	1100 S Limestone	Lexington	Fayette	LFUCG	Low	High	High	High	Low	Moderate	High
92	Seed House	150 Hospital Dr	Lexington	Fayette	LFUCG	Low	High	Moderate	Moderate	Low	Moderate	Moderate
93	Ben Roach Cancer Care Facility	750 Rose St	Lexington	Fayette	LFUCG	Low	High	High	High	Low	Moderate	High
94	Cooper House	1312 Nicholasville Rd	Lexington	Fayette	LFUCG	Low	High	Moderate	Moderate	Low	Moderate	Moderate
95	Champions Court I	344 S. Martin Luther King Blvd.	Lexington	Fayette	LFUCG	Low	High	Moderate	Moderate	Low	Low	Low
96	Combs Cancer Research Center	744 Rose St	Lexington	Fayette	LFUCG	Low	High	High	Severe	Low	Moderate	High
97	E. S. Goodbarn	1451 University Dr	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Moderate
98	Whitney-Hendrickson Cancer Facility for Women (Pavilion WH)	740 Rose St	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Low	Low	High
99	Gluck Equine Research Bldg	1400 Nicholasville Rd	Lexington	Fayette	LFUCG	Low	High	High	High	Low	Moderate	High
100	Haggin Hall	325 Huguelet Dr	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	High	Low	Severe
101	Reynolds Warehouse #1	349 Scott St	Lexington	Fayette	LFUCG	Low	High	High	High	Low	Moderate	Moderate
102	Reynolds Warehouse #2	351 Scott St	Lexington	Fayette	LFUCG	Low	High	High	High	Low	Moderate	Moderate
103	Reynolds Warehouse #3	347 Scott St	Lexington	Fayette	LFUCG	Low	High	Moderate	Moderate	High	Low	Moderate
104	Woodland Glen I	720 Woodland Ave	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	High	Low	Severe
105	Commonwealth Village #2	1435 Nicholasville Rd	Lexington	Fayette	LFUCG	Low	High	Moderate	Moderate	Low	Moderate	Moderate
106	Commonwealth Village #1	1435 Nicholasville Rd	Lexington	Fayette	LFUCG	Low	High	Moderate	Moderate	Low	Moderate	Moderate
107	Mining & Minerals Research Bldg	504 Rose St	Lexington	Fayette	LFUCG	Low	High	High	High	High	Moderate	Severe



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108	Robotics Facility	143 Graham Ave	Lexington	Fayette	LFUCG	Low	High	High	High	Low	Moderate	High
109	Wendell & Vickie Bell Soccer Complex	550 Wildcat Ct	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Severe	Low	Moderate
110	Maintenance Bldg (Athletics)	704 Sports Center Dr	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Severe	Low	High
113	Shively Sports Center	712 Sports Center Dr	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Severe	Moderate	High
116	Seigler Hall (UAV Shed)	Hedger Ln	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Low
117	Soccer Filming Tower	570 Wildcat Ct	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Severe	Low	Moderate
118	Fraternity House Storage	454 Hilltop Ave	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	High	Low	Severe
119	Helen King Alumni Building	400 Rose St	Lexington	Fayette	LFUCG	Low	High	Moderate	Moderate	Severe	Low	Severe
120	Woodland Glen II	650 Woodland Ave	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	High	Low	Severe
121	Sigma Nu Fraternity	422 Rose Ln	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	High	Low	Severe
122	Delta Gamma Sorority	450 Pennsylvania Ave	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	High	Low	Severe
123	Champions Court II	326 S Martin Luther King Blvd	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Low	Low	Low
124	Delta Zeta Sorority	319 Columbia Ter	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	High	Low	Severe
125	Kappa Alpha Theta Sorority	329 Columbia Ter	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	High	Low	Severe
126	Phi Delta Theta Fraternity	327 Columbia Ter	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	High	Low	Severe
127	Alpha Gamma Delta Sorority	325 Columbia Ter	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	High	Low	Severe
128	Kappa Delta Sorority	323 Columbia Ter	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	High	Low	Severe
129	Delta Sigma Phi Fraternity	321 Columbia Ter	Lexington	Fayette	LFUCG	Low	High	Moderate	Moderate	High	Low	Severe
137	Alpha Gamma Rho Fraternity	419 Huguelet Dr	Lexington	Fayette	LFUCG	Low	High	Moderate	Moderate	High	Low	Severe
138	Phi Sigma Kappa Fraternity	439 Huguelet Dr	Lexington	Fayette	LFUCG	Low	High	Moderate	Moderate	High	Low	Severe
139	The 90	440 Hilltop Ave	Lexington	Fayette	LFUCG	Low	High	High	High	High	Moderate	Severe
141	New Farmhouse Fraternity	456 Rose Ln	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	High	Low	Severe
143	Blanding II	763 Woodland Ave	Lexington	Fayette	LFUCG	Low	High	Moderate	Moderate	High	Moderate	Severe
144	Blanding III	765 Woodland Ave	Lexington	Fayette	LFUCG	Low	High	High	High	High	Moderate	Severe
145	Blanding Tower	769 Woodland Ave	Lexington	Fayette	LFUCG	Low	Severe	Severe	High	Severe	High	Severe
146	Blanding IV	767 Woodland Ave	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Severe	Moderate	High



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147	Complex Commons	770 Woodland Ave	Lexington	Fayette	LFUCG	Low	High	High	High	Severe	Moderate	High
148	Kirwan IV	756 Woodland Ave	Lexington	Fayette	LFUCG	Low	High	High	High	Severe	High	High
149	Kirwan Tower	758 Woodland Ave	Lexington	Fayette	LFUCG	Low	High	High	High	High	Moderate	Severe
150	Kirwan III	754 Woodland Ave	Lexington	Fayette	LFUCG	Low	High	Moderate	Moderate	High	Moderate	Severe
151	Kirwan II	752 Woodland Ave	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	High	Low	Severe
152	Kirwan I	750 Woodland Ave	Lexington	Fayette	LFUCG	Low	High	Moderate	Moderate	High	Moderate	Severe
153	Blanding I	761 Woodland Ave	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	High	Low	Severe
154	Head House	150 Hospital Dr	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Low	Low	Moderate
155	Greenhouse No 2	150 Hospital Dr	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Moderate
156	Greenhouse No 4	150 Hospital Dr	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Moderate
157	Greenhouse No 7	150 Hospital Dr	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Moderate
158	Greenhouse No 5	150 Hospital Dr	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Moderate
159	Greenhouse No 3	150 Hospital Dr	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Moderate
160	Greenhouse No 1	150 Hospital Dr	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Moderate
161	Greenhouse No 9	150 Hospital Dr	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Moderate
162	Greenhouse No 11	150 Hospital Dr	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Moderate
163	Greenhouse No 6	150 Hospital Dr	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Moderate
164	Greenhouse No 12	150 Hospital Dr	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Moderate
165	106 Conn Terrace	106 Conn Terrace	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	High
166	Gatehouse Administration Dr.	520 S Limestone	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Low
167	Gatehouse Rose & Chem/Physics	525 Rose St	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	High	Low	Severe
168	Motor Pool Storage Shed	1505 College Way	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Severe	Low	High
170	Gatehouse Student Center	200 Avenue of Champions	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Low
172	Alpha Gamma Rho Fraternity (AGR)	470 Rose Lane	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	High	Low	Severe
173	Gatehouse Med Plaza	140 Huguelet Dr	Lexington	Fayette	LFUCG	Low	High	Moderate	Moderate	Low	Low	High
174	Academic Science Building	305 Huguelet Dr	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	High



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						Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire	Karst/Sinkhole
175	Gatehouse Med Plaza	140 Huguelet Dr	Lexington	Fayette	LFUCG	Low	High	Moderate	Moderate	Low	Low	High
176	Gatehouse KY Clinic	140 Huguelet Dr	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Low	Low	High
177	Residence Motor Pool	1510 College Way	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Severe	Moderate	High
178	Gatehouse Young Library	449 Hilltop Ave	Lexington	Fayette	LFUCG	Low	High	High	High	High	Moderate	Severe
180	113 State St	113 State St	Lexington	Fayette	LFUCG	Low	High	High	High	Low	Moderate	High
181	Woodland Glen III	685 Sports Center Dr	Lexington	Fayette	LFUCG	Low	High	Moderate	Moderate	High	Low	Severe
182	Isolation Barn Incinerator	1525 College Way	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Severe	Moderate	High
183	Isolation Barn	1531 College Way	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Severe	Low	Moderate
184	Agricultural Machine Research Lab	411 Stadium View	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Severe	Moderate	High
185	Garage by Motor Pool Residence	1510 College Way	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Severe	Moderate	High
186	Woodland Glen IV	703 Sports Center Dr	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Severe	Moderate	High
187	Bus Shelter #5(Stadium Blue Lot)	1540 University Dr	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Moderate
188	Woodland Glen V	693 Sports Center Dr	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	High	Low	Severe
189	Shawneetown Bldg A	1608 University Ct Apts A101-A315	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Low	High	Low
190	Shawneetown Bldg B	1608 University Ct Apts B101-B313	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Low	High	Low
191	Shawneetown Bldg D	1608 University Ct Apts D101-D313	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Low	High	Low
192	Shawneetown Bldg F	1608 University Ct Apts F101-F313	Lexington	Fayette	LFUCG	Low	High	High	High	Moderate	High	Moderate
193	Shawneetown Bldg E	1608 University Ct Apts E101-E315	Lexington	Fayette	LFUCG	Low	High	High	High	Moderate	High	Moderate
194	Shawneetown Bldg C	1608 University Ct Apts C101-C315	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Low	High	Low
196	Stoll Field Viewing Tower	180 Avenue of Champions	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Low
197	Parking Garage No 1	1290 Veterans Dr	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Low	Low	Moderate
198	Parking Garage No 2	301 Hilltop Ave	Lexington	Fayette	LFUCG	Low	High	High	High	High	Moderate	Severe
199	Parking Garage No 3	140 Huguelet Dr	Lexington	Fayette	LFUCG	Low	High	Moderate	Moderate	Low	Low	High
200	Wethington Allied Health Building	900 S Limestone	Lexington	Fayette	LFUCG	Low	High	High	Severe	Severe	Moderate	Severe



Building ID	Building Name	Address	City	County	Area Development District (ADD)/Local Hazard Mitigation Plan	Vulnerability Scores						
						Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire	Karst/Sinkhole
202	Parking Garage No 5	409 S Limestone	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Low
203	1037 South Limestone St	1037 South Limestone St	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	High
204	Cooling Plant #2	591 S Upper St	Lexington	Fayette	LFUCG	Low	High	High	High	Low	Moderate	Moderate
205	Phi Mu (Greek Park)	462 Rose Lane	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	High	Low	Severe
207	Arts Metal Bldg	357 Scott St	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Low	Low	Low
210	Reynolds Warehouse No 4	355 Scott St	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Low
211	Maxwell Place Garage	475 Rose St	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	High	Low	Severe
212	Lancaster Aquatics	416 Complex Dr	Lexington	Fayette	LFUCG	Low	High	Moderate	Moderate	Severe	Moderate	High
213	Boone Tennis Center	454 Complex Dr	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Severe	Moderate	High
214	Flammable Storage Bldg	148 Graham Ave	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	High
215	Garrigus (W.P.) Bldg	325 Cooper Dr	Lexington	Fayette	LFUCG	Low	High	High	High	Low	Moderate	High
216	Multi-Disciplinary Research Lab No 3	700 S Limestone	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Low	Low	High
217	Electric Substation #2	587 S Upper St	Lexington	Fayette	LFUCG	Low	High	High	High	Low	Moderate	Moderate
219	Seaton Center	1210 University Dr	Lexington	Fayette	LFUCG	Low	High	High	High	Severe	High	High
220	Bernard Johnson Student Rec Ctr	430 Complex Dr	Lexington	Fayette	LFUCG	Low	High	High	High	Severe	High	High
222	Commonwealth Stadium	1540 University Dr	Lexington	Fayette	LFUCG	Low	High	High	High	Low	Moderate	High
223	Warren Wright Medical Plaza	745 Rose St	Lexington	Fayette	LFUCG	Low	Severe	Severe	Severe	Low	High	High
224	Lucille Caudill Little Fine Arts Library	160 Patterson Dr	Lexington	Fayette	LFUCG	Low	High	Moderate	Moderate	High	Moderate	Severe
225	Morgan (T H) Biological Sciences	675 Rose St	Lexington	Fayette	LFUCG	Low	High	High	High	High	Moderate	High
227	Recreation Equipment Storage Bldg	452 Complex Dr	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Severe	Low	High
229	Agricultural Distribution Center	412 Stadium View	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Severe	Low	Moderate
230	Sanders-Brown Gerontology Center	800 S Limestone	Lexington	Fayette	LFUCG	Low	High	High	Severe	Low	Moderate	High
231	Farm Maintenance Storage Shed	1521 College Way	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Severe	Moderate	High
232	Nursing Learning Center	751 Rose St	Lexington	Fayette	LFUCG	Low	High	High	High	Low	Moderate	High
235	John W Oswald Bldg	460 Cooper Dr	Lexington	Fayette	LFUCG	Low	High	High	High	Severe	Moderate	High
236	Tobacco & Health Research Institute	1401 University Dr	Lexington	Fayette	LFUCG	Low	High	High	High	Low	Moderate	High
240	468 Rose Ln	468 Rose Ln	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	High	Low	Severe
241	Singletary Center for the Arts	405 Rose St	Lexington	Fayette	LFUCG	Low	High	High	High	High	Moderate	Severe



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						Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire	Karst/Sinkhole
243	Greg Page Apartments 1	300 Alumni Dr	Lexington	Fayette	LFUCG	Low	High	High	High	Moderate	High	Moderate
244	Greg Page Apartments 2	300 Alumni Dr	Lexington	Fayette	LFUCG	Low	High	High	High	Moderate	High	Moderate
245	Greg Page Apartments 3	300 Alumni Dr	Lexington	Fayette	LFUCG	Low	High	High	High	Moderate	High	Moderate
246	Greg Page Apartments 4	300 Alumni Dr	Lexington	Fayette	LFUCG	Low	High	High	High	Moderate	High	Moderate
247	Greg Page Apartments 5	300 Alumni Dr	Lexington	Fayette	LFUCG	Low	High	High	High	Moderate	High	Moderate
248	Greg Page Apartments 6	300 Alumni Dr	Lexington	Fayette	LFUCG	Low	High	High	High	Moderate	High	Moderate
249	Greg Page Apartments 7	300 Alumni Dr	Lexington	Fayette	LFUCG	Low	High	High	High	Moderate	High	Moderate
250	Greg Page Apartments 8	300 Alumni Dr	Lexington	Fayette	LFUCG	Low	High	High	High	Moderate	High	Moderate
252	Greg Page Apartments 10	300 Alumni Dr	Lexington	Fayette	LFUCG	Low	High	High	High	Moderate	High	Moderate
253	Greg Page Apartments 11	300 Alumni Dr	Lexington	Fayette	LFUCG	Low	High	High	High	Moderate	High	Moderate
254	Greg Page Apartments 12	300 Alumni Dr	Lexington	Fayette	LFUCG	Low	High	High	High	Moderate	High	Moderate
255	Greg Page Apartments 13	300 Alumni Dr	Lexington	Fayette	LFUCG	Low	High	High	High	Moderate	High	Moderate
256	Greg Page Apartments 14	300 Alumni Dr	Lexington	Fayette	LFUCG	Low	High	High	High	Moderate	High	Moderate
257	Greg Page Apartments 15	300 Alumni Dr	Lexington	Fayette	LFUCG	Low	High	High	High	Moderate	High	Moderate
258	Greg Page Apartments 16	300 Alumni Dr	Lexington	Fayette	LFUCG	Low	High	High	High	Moderate	High	Moderate
259	Greg Page Apartments 17	300 Alumni Dr	Lexington	Fayette	LFUCG	Low	High	High	High	Moderate	High	Moderate
260	Greg Page Apartments 18	300 Alumni Dr	Lexington	Fayette	LFUCG	Low	High	High	High	Moderate	High	Moderate
261	Greg Page Apartments 19	300 Alumni Dr	Lexington	Fayette	LFUCG	Low	High	High	High	Moderate	High	Moderate
262	Greg Page Apartments 20	300 Alumni Dr	Lexington	Fayette	LFUCG	Low	High	High	High	Moderate	High	Moderate
263	Greg Page Apartments 21	300 Alumni Dr	Lexington	Fayette	LFUCG	Low	High	High	High	Moderate	High	Moderate
264	Greg Page Apartments 22	300 Alumni Dr	Lexington	Fayette	LFUCG	Low	High	High	High	Moderate	High	Moderate
265	Greg Page Apartments 23	300 Alumni Dr	Lexington	Fayette	LFUCG	Low	High	High	High	Moderate	High	Moderate
266	Greg Page Apartments 24	300 Alumni Dr	Lexington	Fayette	LFUCG	Low	High	High	High	Moderate	High	Moderate
267	Greg Page Apartments 25	300 Alumni Dr	Lexington	Fayette	LFUCG	Low	High	High	High	Moderate	High	Moderate
268	Greg Page Food Storage Laundry Suite 213	300 Alumni Dr	Lexington	Fayette	LFUCG	Low	High	High	High	Moderate	High	Moderate
269	Communications Building	430 Stadium View	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Severe	Low	Moderate
272	Information Building (Ticket Booth)	1510 University Dr	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Moderate
274	Moloney Building (BCTC)	450 Cooper Dr	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Severe	Low	High
275	Bruce Poundstone Regulatory Services Bldg	1600 University Ct	Lexington	Fayette	LFUCG	Low	High	High	High	Low	Moderate	High



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276	Barnhart Building (C.E. Barnhart)	1398 Nicholasville Rd	Lexington	Fayette	LFUCG	Low	High	High	High	Low	Moderate	High
277	Nutter Football Training Facility	720 Sports Center Dr	Lexington	Fayette	LFUCG	Low	High	Moderate	Moderate	Severe	Moderate	High
278	PPD Storage Bldg	435 Stadium View	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Severe	Low	High
279	BIRP Building	460 Stadium View	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Severe	Low	Moderate
280	The Football Training Facility	295 Alumni Drive	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Moderate
281	Oliver H. Raymond Civil Engineering	508 Administration Dr	Lexington	Fayette	LFUCG	Low	High	High	High	Low	Moderate	High
282	Gas Storage Bldg. M&M	390 Columbia Ave	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	High	Low	Severe
283	Hagan Baseball Stadium	700 Sports Center Dr	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Severe	Low	High
284	Kentucky Clinic	740 S Limestone	Lexington	Fayette	LFUCG	Low	Severe	Severe	High	Low	High	High
285	Nutter Field House	1401 Sports Center Dr	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Severe	Moderate	High
286	ASTeCC	145 Graham Ave	Lexington	Fayette	LFUCG	Low	High	High	High	High	Moderate	High
287	Electric HVAC Bldg	425 Stadium View	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Severe	Low	High
288	PPD Greenhouse	455 Stadium View	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Severe	Low	Moderate
289	Hazardous Waste Storage	475 Stadium View	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Severe	Low	Moderate
293	UK Hospital-Chandler Medical Center & Hospital	800 Rose St	Lexington	Fayette	LFUCG	Low	Severe	Severe	Severe	Low	Severe	Severe
294	Gill Heart Institute (Pavilion G)	842 Rose St	Lexington	Fayette	LFUCG	Low	High	High	High	Low	Moderate	High
297	Dental Science Bldg	800 Rose St	Lexington	Fayette	LFUCG	Low	High	High	Severe	Low	Moderate	High
298	William R. Willard Medical Education Bldg	800 Rose St	Lexington	Fayette	LFUCG	Low	Severe	Severe	High	Low	High	High
300	Arboretum Tool Shed	510 Alumni Dr	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Severe	Low	Moderate
301	154 Bonnie Brae/Rental	154 Bonnie Brae Dr	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	High
302	Arboretum Visitor Center	500 Alumni Dr	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Severe	Low	Moderate
303	Arboretum Restrooms	500 Alumni Dr	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Severe	Low	Moderate
305	Health Sciences Research Bldg	1095 Veterans Dr	Lexington	Fayette	LFUCG	Low	High	High	Severe	Low	Moderate	High
308	HOSPITAL SMOKING SHL	0	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	High
312	Plant Science Building	1405 Veterans Dr	Lexington	Fayette	LFUCG	Low	High	High	High	Low	Moderate	High
313	455 Woodland Ave	455 Woodland Ave	Lexington	Fayette	LFUCG	Low	High	High	High	High	Moderate	Severe
314	Environmental Health and Safety	252 E Maxwell St	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Low



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315	KY Humanities Council	206 E Maxwell St	Lexington	Fayette	LFUCG	Low	High	Moderate	Moderate	Low	Low	Low
317	408 Pennsylvania Court	408 Pennsylvania Ct	Lexington	Fayette	LFUCG	Low	High	High	High	High	Moderate	Severe
324	315 Scott St	315 Scott St	Lexington	Fayette	LFUCG	Low	High	High	High	Low	Moderate	Moderate
325	317 Scott St	317 Scott St	Lexington	Fayette	LFUCG	Low	High	High	High	Low	Moderate	Moderate
327	321 Scott St	321 Scott St	Lexington	Fayette	LFUCG	Low	High	High	High	Low	Moderate	Moderate
333	Appalachian Center Annex	641 S Limestone	Lexington	Fayette	LFUCG	Low	High	Moderate	Moderate	Low	Low	High
336	Thomas D Clark Bldg	663 S Limestone	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	High
337	Thomas D Clark Bldg Garage	663 S Limestone	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	High
343	Bingham Davis House	218 E Maxwell St	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Low	Low	Low
344	Raymond F. Betts House	232 E Maxwell St	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Low	Low	Low
345	Max Kade German House	212 E Maxwell St	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Low
346	654 Maxwellton Ct	654 Maxwellton Ct	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	High	Low	High
347	Appalachian Center	624 Maxwellton Ct	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	High	Low	High
348	626 Maxwellton Ct	626 Maxwellton Ct	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	High	Low	High
349	School of Psychology Clinic	641 Maxwellton Ct	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	High	Low	High
350	Center on Drug and Alcohol Research	643 Maxwellton Ct	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	High	Low	High
351	J. Harris Psychological Services	644 Maxwellton Ct	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	High	Low	High
353	520 Oldham Ct	520 Oldham Ct	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	High	Low	Severe
355	123 State St	123 State St	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	High
356	119 State St	119 State St	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	High
360	400 Pennsylvania Ct	400 Pennsylvania Ct	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	High	Low	Severe
361	402 Pennsylvania Ct	402 Pennsylvania Ct	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	High	Low	Severe
362	405 Pennsylvania Ct	405 Pennsylvania Ct	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	High	Low	Severe
363	406 Pennsylvania Ct	406 Pennsylvania Ct	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	High	Low	Severe
365	410 Pennsylvania Ct	410 Pennsylvania Ct	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	High	Low	Severe
377	319 Rose Ln	319 Rose Ln	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	High	Low	Severe
378	321 Rose Ln	321 Rose Ln	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	High	Low	Severe
381	162-164 Gazette Avenue	162 Gazette Ave	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	High



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						Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire	Karst/Sinkhole
382	Sky Blue Solar House	1313 Nicholasville Rd	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Moderate
386	150 Gazette Avenue	150 Gazette Ave	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	High
390	Bus Shelter #1- (Alumni Gym)	110 Avenue of Champions	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Low
391	Bus Shelter #2- (Rose & Euclid)	274 Avenue of Champions	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	High	Low	Severe
392	Bus Shelter #3- (Chem-Physics)	503 Rose St	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	High	Low	Severe
393	Bus Shelter #7- (Corner LCC & Red Lot)	440 Cooper Dr	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Severe	Low	High
394	Bus Shelter #6-(Agr Sci & Nicholasville Rd)	317 Cooper Dr	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Moderate
397	Bus Shelter #9-(at exit @ Shawneetown)	1608 University Ct	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	High	Low
398	Bus Shelter #10-(at Taylor Educ.bldg)	599 S Upper St	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Low
399	Bus Shelter #11	639 S Limestone	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	High
400	Ellen H. Richards House	630 Maxwellton Ct	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	High	Low	High
401	Weldon House	635 Maxwellton Ct	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	High	Low	High
409	341-343 Scott Street	341-343 Scott Street	Lexington	Fayette	LFUCG	Low	High	High	High	Low	Moderate	Moderate
412	403 Pennsylvania Ct	403 Pennsylvania Ct	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	High	Low	Severe
413	Softball/Soccer Locker Rooms	556 Wildcat Ct	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Severe	Low	Moderate
416	Bus Shelter #12- (Bldg.#3)	125 Washington Ave	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	High
417	Minority Affaris/Learning Service Center	660 S Limestone	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Low	Low	High
418	Bus Shelter #4-(at Commonwealth)	1580 University Dr	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Moderate
419	Bus Shelter #13-(at Medical Center)	790 Rose St	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	High
420	Child Development Research Facility	424 Euclid Ave	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	High	Low	Severe
432	Commonwealth House	226 E Maxwell St	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Low	Low	Low
433	William E. and Casiana Schmidt Vocal Arts Center	412 Rose St	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	High	Low	Severe
442	Ligon House	658 S Limestone	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	High
446	John Cropp Softball Stadium	570 Wildcat Ct	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Severe	Low	Moderate



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447	Hitting Pavilion	558 Wildcat Ct	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Severe	Low	Moderate
448	Football Storage Shed	710 Sports Center Dr	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Severe	Low	High
449	Shively Grounds Storage Bldg	708 Sports Center Dr	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Severe	Low	High
453	Shively Grounds Bldg	706 Sports Center Dr	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Severe	Moderate	High
456	W.T. Young Library	401 Hilltop Ave	Lexington	Fayette	LFUCG	Low	High	High	High	High	Moderate	Severe
460	149 Transcript Ave	149 Transcript Ave	Lexington	Fayette	LFUCG	Low	High	High	High	Low	Moderate	High
461	153 Transcript Ave	153 Transcript Ave	Lexington	Fayette	LFUCG	Low	High	High	High	Low	Moderate	High
462	Limestone Park I	111 Avenue of Champions	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Low
463	Limestone Park II	329 South MLK Blvd	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Low
467	220 Transcript Ave	220 Transcript Ave	Lexington	Fayette	LFUCG	Low	High	High	High	Low	Moderate	High
473	Biological Safety	505 Oldham Ct	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	High	Low	Severe
481	LCC Academic/Tech	470 Cooper Dr	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Severe	Low	High
482	408 Linden Walk	408 Linden Walk	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	High	Low	Severe
484	Real Properties Garage	518 Oldham Ct	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	High	Low	Severe
485	Boone Tennis Stadium	725 Sports Center Dr	Lexington	Fayette	LFUCG	Low	High	High	High	Severe	Moderate	High
487	Real Properties Office	518 Oldham Ct	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	High	Low	Severe
488	Woodland Early Learning Center	575 Woodland Ave	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	High	Low	Severe
489	Dental and Oral Health Research	1117 S Limestone	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Low	Low	High
490	Environmental Quality Management	355 Cooper Dr	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Low	Low	Moderate
491	Ecological Research	1685 Russell Cave Rd	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Low
494	Career (Stuckert) Center	408 Rose St	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	High	Low	Severe
495	James F. Hardyman Communications Bldg	301 Rose St	Lexington	Fayette	LFUCG	Low	High	High	High	Low	Moderate	Moderate
503	Anderson Mechanical Engineering Building	506 Administration Dr	Lexington	Fayette	LFUCG	Low	High	High	High	Low	Moderate	High
504	Sigma Chi Fraternity House	447 Pennsylvania Ave	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	High	Low	Severe
505	Alpha Tau Omega Fraternity	441 Pennsylvania Ave	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	High	Low	Severe



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						Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire	Karst/Sinkhole
506	Robert Straus Behavioral Research Building	515 Oldham Ct	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Severe	High	Low	Severe
507	Sigma Alpha Epsilon Fraternity	410 Rose Ln	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	High	Low	Severe
509	Biomedical Biological Sciences Research Building (BBSRB)	741 S Limestone	Lexington	Fayette	LFUCG	Low	High	High	Severe	Low	Moderate	High
514	Central Utility Plant #4	751 Press Ave	Lexington	Fayette	LFUCG	Low	Severe	Severe	Severe	Low	High	High
517	College of Medicine Learning Center	807 S Limestone	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	High
518	Biological/Biomedical Research Bldg Generator Bldg	761 Press Ave	Lexington	Fayette	LFUCG	Low	Severe	Severe	High	Low	High	High
564	630 S Broadway	630 S Broadway	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Low
565	Smith Hall	740 Woodland Ave	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	High	Low	Severe
566	Dale E Baldwin Bldg	701 Sports Center Dr	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Severe	Moderate	High
567	Ingels Hall (Margaret)	705 Sports Center Dr	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Severe	Moderate	High
568	David P. Roselle Hall	125 Avenue of Champions	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Low	Low	Low
571	Parking Garage No 6	721 Press Ave	Lexington	Fayette	LFUCG	Low	High	High	High	Low	Moderate	High
572	Parking Garage No 7	721 Sports Center Dr	Lexington	Fayette	LFUCG	Low	High	High	High	Severe	Moderate	High
574	Center for Pharmaceutical Science & Technology	1575 McGrathiana Pkwy	Lexington	Fayette	LFUCG	Low	High	High	High	Moderate	Moderate	High
582	University Health Service (Student Health)	830 S Limestone	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Low	Low	Low	High
585	Baseball Training Pavillion	702 Sports Center Dr	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Severe	Low	High
592	Storage Shed	485 Stadium View	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Severe	Low	Moderate
596	Bio-Pharm (BP)	789 S Limestone	Lexington	Fayette	LFUCG	Low	Severe	Severe	Severe	Low	High	Severe
600	House	413 Pennsylvania Ct	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	High	Low	Severe
601	Parking Garage No 8	110 Transcript Ave	Lexington	Fayette	LFUCG	Low	High	High	High	Low	Moderate	High
602	Patient Care Facility (Pavilion A)	1000 S Limestone	Lexington	Fayette	LFUCG	Low	Severe	Severe	Severe	Low	Severe	Severe
603	WUKY ANTENNA	0		Fayette	LFUCG	Low	High	High	High	High	Moderate	Severe
604	Joe Craft Center (Memorial Coliseum Addition)	338 Lexington Ave	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Low	Low	Low
607	788 Press Ave	788 Press Ave	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	High
608	792 Press Ave	792 Press Ave	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	High



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						Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire	Karst/Sinkhole
609	796 Press Ave	796 Press Ave	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	High
610	800 Press Ave	800 Press Ave	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	High
611	Good Samaritan Medical Office Building	125 E Maxwell St	Lexington	Fayette	LFUCG	Low	High	High	High	Low	Moderate	Moderate
612	Good Samaritan Chiller Building	320 S Limestone	Lexington	Fayette	LFUCG	Low	Severe	Severe	Severe	Low	High	High
613	Good Samaritan Parking Structure	330 S Limestone	Lexington	Fayette	LFUCG	Low	High	High	High	Low	Moderate	Moderate
616	Seaton Center Storage	1214 University Dr	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Moderate
617	118 Conn Terrace	118 Conn Terrace	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Low	Low	High
618	MacAdam Student Observatory	538 Rose St	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	High	Low	Severe
619	102 Conn Terrace	102 Conn Ter	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Low	Low	High
620	Aviary Facility	1689 Russell Cave Rd	Lexington	Fayette	LFUCG	Low	High	High	High	Low	Moderate	Moderate
621	Residence	104 Conn Ter	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Low	Low	High
622	Residence	108 Conn Ter	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	High
623	Residence	110 Conn Ter	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	High
624	Residence	120 Conn Ter	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	High
625	Offices	1105 S Limestone	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	High
626	Residence	1119 S Limestone	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	High
630	Air Medical Crew Quarters	1529 College Way	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Severe	Low	Moderate
633	Davis Marksburg Building	329 Rose St	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Low	Low	Low	Low
634	UK/Lemark Ctr for Innovation in Math & Science Education	1737 Russell Cave Rd	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Low
635	Maintenance Building	1749 Russell Cave Rd	Lexington	Fayette	LFUCG	Low	High	High	High	Low	Moderate	Moderate
636	Apartments	411 Pennsylvania Ct	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	High	Low	Severe
637	Apartments	1041 S Limestone	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Severe	Low	Severe
639	Apartments	1045 S Limestone	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	High
641	Apartments	409 Pennsylvania Ct	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	High	Low	Severe
644	Wildcat Coal Lodge (new construction)	318 College View Ave	Lexington	Fayette	LFUCG	Low	High	High	High	Low	Moderate	Moderate
645	179 Leader Ave	179 Leader Ave	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	High
646	404 Pennsylvania Ct	404 Pennsylvania Ct	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	High	Low	Severe
647	213 Transcript Ave	213 Transcript Ave	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Low	Low	High



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						Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire	Karst/Sinkhole
648	221 Transcript Ave	221 Transcript Ave	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Low	Low	High
649	217 Transcript Ave	217 Transcript Ave	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Low	Low	High
651	Mandrell Hall	635 S Limestone St	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	High
652	Bosworth Hall	631 S. Limestone St	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	High
653	Sanders Hall	629 S Limestone St	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	High
654	Building 100	625 S Limestone St, Bldg 100	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	High
655	Building 200	625 S Limestone St, Bldg 200	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	High
656	Building 300	625 S Limestone St, Bldg 300	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	High
657	Building 400	621 S Limestone St	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	High
658	Maintenance Bldg.	627 Maxwellton Ct	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	High	Low	High
659	Gas Building	623 Maxwellton Ct	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	High	Low	High
660	Maxwelton Ct. Apts #1	633 Maxwellton Ct., Apts #1	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	High	Low	High
661	Maxwelton Ct. Apts #2	633 Maxwellton Ct., Apts #2	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	High	Low	High
662	Maxwelton Ct. Apts #3	633 Maxwellton Ct., Apts #3	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	High	Low	High
663	Maxwelton Ct. Apts #4	633 Maxwellton Ct., Apts #4	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	High	Low	High
664	Maxwelton Ct. Apts #5	633 Maxwellton Ct., Apts #5	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	High	Low	High
665	Maxwelton Ct. Apts #6	633 Maxwellton Ct., Apts #6	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	High	Low	High
666	Maxwelton Ct. Apts #7	633 Maxwellton Ct., Apts #7	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	High	Low	High
667	Maxwelton Ct. Apts #8	633 Maxwellton Ct., Apts #8	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	High	Low	High
668	Maxwelton Ct. Apts #9	633 Maxwellton Ct., Apts #9	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	High	Low	High
669	Maxwelton Ct. Apts #10	633 Maxwellton Ct., Apts #10	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	High	Low	High
670	Maxwelton Ct. Apts #11	633 Maxwellton Ct., Apts #11	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	High	Low	High



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671	Maxwelton Ct. Apts #12	633 Maxwelton Ct., Apts #12	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	High	Low	High
672	Maxwelton Ct. Apts #13	633 Maxwelton Ct., Apts #13	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	High	Low	High
673	Maxwelton Ct. Apts #14	633 Maxwelton Ct., Apts #14	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	High	Low	High
674	Maxwelton Ct. Apts #15	633 Maxwelton Ct., Apts #15	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	High	Low	High
675	Maxwelton Ct. Apts #16	633 Maxwelton Ct., Apts #16	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	High	Low	High
1200	Electric Substation #1	196 Hospital Dr	Lexington	Fayette	LFUCG	Low	Severe	Severe	High	Low	High	High
1201	Electric Substation #3	829 Press Ave	Lexington	Fayette	LFUCG	Low	Severe	Severe	High	Low	High	High
2059	AFBC Coal Prep Bldg-CAER	2540 Research Park Dr	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Moderate	Low	Moderate
2060	Cold Storage Bldg-CAER	2540 Research Park Dr	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Moderate	Low	Moderate
2061	Synthesis and Pitch Laboratory	2540 Research Park Dr	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Moderate	Low	Moderate
2062	Gazebo-CAER	2540 Research Park Dr	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Moderate	Low	Moderate
2063	Maintenance Bldg-CAER	2540 Research Park Dr	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Moderate	Low	Moderate
2064	Industrial Support Facility	2540 Research Park Dr	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Moderate	Low	Moderate
2065	Drying Pad-CAER	2540 Research Park Dr	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Moderate	Low	Moderate
2067	Fiber Development Facility	2540 Research Park Dr	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Moderate	Low	Moderate
2068	Mineral Processing Facility	2524 Research Park Dr	Lexington	Fayette	LFUCG	Low	High	High	High	Moderate	Moderate	High
2069	Algae Greenhouse	3414 Iron Works Pike	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Moderate	Low	Moderate
2070	CAER Laboratory 2	2582 Research Park Dr	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Moderate	Low	Moderate
2072	F-T Process Development Unit	2510 Research Park Dr	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Moderate	Low	Moderate
2142	VA Medical Hospital	1101 Veterans Dr	Lexington	Fayette	LFUCG	Low	High	High	High	Low	Moderate	High
2147	Rupp Arena	430 W Vine St	Lexington	Fayette	LFUCG	Low	High	High	High	Moderate	Moderate	Moderate
2255	ALBERT STEWART HOUSE	Highway 80	Hindman	Fayette	LFUCG	Low	Low	Low	Low	Low	Severe	Low



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						Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire	Karst/Sinkhole
2301	Crisp Bldg/Challenger Learning Center	4810 Alben Barkley Dr	Paducah	Fayette	LFUCG	Low	Severe	Severe	Severe	Low	High	Low
2302	Emerging Technology Center	4810 Alben Barkley Dr	Paducah	Fayette	LFUCG	Low	Severe	Severe	Severe	Low	High	Low
2310	Crisp Building (former Pepsi Bottling Co.)	3000 Irvin Cobb Dr.	Paducah	Fayette	LFUCG	Low	Severe	Severe	Severe	Moderate	High	Moderate
2401	Bailey-Stumbo Building (UK Center for Rural Health)	750 Morton Blvd	Hazard	Fayette	LFUCG	Low	Moderate	High	High	Low	Severe	Moderate
2500	KY Geological Survey (field Henderson)	1401 Corporate Park	Henderson	Fayette	LFUCG	Low	Severe	Severe	Severe	Moderate	High	Moderate
2501	Henderson Garage	1401 Corporate Ct	Henderson	Fayette	LFUCG	Low	Severe	Severe	Severe	Moderate	High	Moderate
3000	Coldstream Farm Floater	0	Lexington	Fayette	LFUCG	Low	High	High	High	Moderate	Moderate	Moderate
3001	Coldstream Kiln	2788 Dairy Rd	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Low
3002	Vet Science Compost	2860 Becky Sue Lane	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Moderate	Low	Moderate
3003	Poultry Research Facility-Coldstream Farm	2630 Dairy Rd	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Moderate	Low	Moderate
3004	Picnic Pavilion @ Camahan House	1701 Newtown Pike	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Low
3005	Horticulture Storage Barn-Coldstream Farm	3110 Becky Sue Ln	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Moderate	Low	Moderate
3006	Vet Science Hoop Shed	2970 Becky Sue Ln	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Moderate	Low	Moderate
3007	Horticulture Storage Barn-Coldstream Farm	3100 Becky Sue Ln	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Moderate	Low	Moderate
3016	Dry Cow Shed-Coldstream Farm	3331 Dairy Rd	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Moderate	Low	Moderate
3017	Round Bale Storage	2980 Becky Sue Ln	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Moderate	Low	Moderate
3031	Aluminum Research Bldg	1505 Bull Lea Rd	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Moderate	Low	Moderate
3100	Coldstream Farm Equipment Floater	1701 Newtown Pike	Lexington	Fayette	LFUCG	Low	High	High	High	Low	Moderate	Moderate
3115	Shop-Coldstream Farm	1701 Newtown Pike	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Low	Low	Low
3116	Apartment Garage-Coldstream Farm	1701 Newtown Pike	Lexington	Fayette	LFUCG	Low	High	Moderate	Moderate	Low	Low	Low
3117	Heifer Barn Dairy-Coldstream Farm	3354 Dairy Rd	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Moderate	Low	Moderate
3118	Camahan House	1550 Aristides Blvd	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Moderate	Low	Moderate
3119	Swimming Pool & Plant	1701 Newtown Pike	Lexington	Fayette	LFUCG	Low	High	High	High	Low	Moderate	Moderate
3148	Swine Metal Storage	1701 Newtown Pike	Lexington	Fayette	LFUCG	Low	High	High	High	Low	Moderate	Moderate
3151	Pond Barn	1701 Newtown Pike	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Low	Low	Low



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3158	Dairy Herdsman House-Coldstream Farm	3450 Dairy Rd	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Low	Low	Low
3163	Lower Jersey Shed-Coldstream Farm	1701 Newtown Pike	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Low	Low	Low
3164	Lower Holstein Shed-Coldstream Farm	3362 Dairy Rd	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Moderate	Low	Moderate
3165	Upper Holstein Shed-Coldstream Farm	3386 Dairy Rd	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Moderate	Low	Moderate
3167	Feed Shed Dairy	3378 Dairy Rd	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Moderate	Low	Moderate
3168	Dairy Maternity Barn-Coldstream Farm	3338 Dairy Rd	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Moderate	Low	Moderate
3169	Dairy Hoop Shed	2810 Georgetown Rd	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Low
3170	Dairy Housing Research & Teaching Facility	3386 Dairy Rd	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Moderate	Low	Moderate
3171	Field 21 Shed-Coldstream Farm	2863 Becky Sue Ln	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Low	Low	Low
3172	Goat Lot Shed-Coldstream Farm	2969 Becky Sue Ln	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Moderate	Low	Moderate
3173	Lot 22 Shed-Coldstream Farm	2970 Becky Sue Ln	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Moderate	Low	Moderate
3174	Animal Path Shed #3-Coldstream Farm	3031 Becky Sue Ln	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Moderate	Low	Moderate
3175	Animal Path Shed #4-Coldstream Farm	3091 Becky Sue Ln	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Moderate	Low	Moderate
3176	Horse Barn A-Coldstream Farm	2610 Spindletop Way	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Moderate	Low	Moderate
3177	Animal Path Barn #10-Coldstream Farm	2880 Jet Pilot Way	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Moderate	Low	Moderate
3178	Sheep House-Coldstream Farm	2830 Jet Pilot Way	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Moderate	Low	Moderate
3179	Sheep House #2-Coldstream Farm	2790 Jet Pilot Way	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Moderate	Low	Moderate
3180	Sheep House #3-Coldstream Farm	2750 Jet Pilot Way	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Low	Low	Low
3181	Sheep House #4-Coldstream Farm	2740 Jet Pilot Way	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Low	Low	Low
3182	Animal Path Barn - Coldstream Farm	2865 Jet Pilot Way	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Moderate	Low	Moderate
3185	Dairy Office Classroom-Coldstream Farm	3394 Dairy Rd	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Moderate	Low	Moderate
3186	Veterinary Diagnostic Laboratory	1490 Bull Lea Rd	Lexington	Fayette	LFUCG	Low	High	Moderate	Moderate	Moderate	Moderate	Moderate
3192	Dairy Round House-Coldstream Farm	1701 Newtown Pike	Lexington	Fayette	LFUCG	Low	High	Moderate	Moderate	Low	Low	Low



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3198	Dairy Calf Barn	3346 Dairy Rd	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Moderate	Low	Moderate
3199	Dairy Managers House	3440 Dairy Rd	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Moderate	Low	Moderate
3200	Maine Chance Farm Floater	0	Lexington	Fayette	LFUCG	Low	High	High	High	Moderate	Moderate	Moderate
3201	House Old Office	1909 Research Farm Rd	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Low	Low	Low
3202	Horse Barn 1 MO-Maine Chance	1925 Research Farm Rd	Lexington	Fayette	LFUCG	Low	High	Moderate	Moderate	Moderate	Low	Low
3203	House MO-Maine Chance	1955 Research Farm Rd	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Low	Low	Low
3204	Climate Change Study Barn 5 - Communications Building	2441 Equine Campus Rd	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Moderate	Low	Moderate
3206		2470 Equine Campus Rd	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Moderate	Low	Moderate
3210	Rain Study Shed	2660 Equine Campus Rd	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Moderate	Low	Moderate
3211	House MO-Maine Chance	2441 Equine Campus Rd	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Moderate	Low	Moderate
3212	Garage MO-Maine Chance	2099 Newtown Pike	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Low	Low	Low
3213	Barn 8 Sheep-Maine Chance	2454 Beaugay Ln	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Low	Low	Low
3214	Rain Simulator Lab	2660 Equine Campus Rd	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Moderate	Low	Moderate
3215	Run In Shed #4	1995 Research Farm Rd	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Moderate	Low	Moderate
3216	House -Maine Chance	2362 Equine Campus Rd	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Moderate	Low	Moderate
3217	Horse Barn 11-Maine Chance	2346 Equine Campus Rd	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Moderate	Low	Moderate
3218	Run In Shed #7	2660 Equine Campus Rd	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Moderate	Low	Moderate
3219	Horse Barn 9-Maine Chance	2585 Jet Pilot Way	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Low
3220	Horse MO-Maine Chance	2150 Jet Pilot Way	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Low
3221	Garage MO-Maine Chance	2140 Jet Pilot Way	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Low
3222	Barn 5 M&O Storage-Maine Chance	2470 Equine Campus Rd	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Moderate	Low	Moderate
3224	Horse Barn 3-Maine Chance	2008 Star Pilot Ln	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Low
3227	Barn 7 MO-Maine Chance	2546 Gorham Ln	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Low	Low	Low
3228	Utility Shed MO-Maine Chance	2099 Newtown Pike	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Low	Low	Low



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3230	House MO-Maine Chance	2528 Gorham Ln	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Low
3233	Horse Run in Shed-Maine Chance	2099 Newtown Pike	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Low	Low	Low
3234	Horse Farm Mgr Res-Maine Chance	2650 Equine Campus Rd	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Low
3236	Horse Run in Shed-Maine Chance	2099 Newtown Pike	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Low	Low	Low
3237	Horse Run in Shed-Maine Chance	2099 Newtown Pike	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Low	Low	Low
3238	Stud Barn-Maine Chance	2660 Equine Campus Rd	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Moderate	Low	Moderate
3239	Receiving Barn-Maine Chance	2642 Equine Campus Rd	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Moderate	Low	Moderate
3240	Shop & Storage Area-Maine Chance	2325 Turner Pl	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Low	Low	Low
3241	Farm Service Center-Maine Chance	2349 Turner Pl	Lexington	Fayette	LFUCG	Low	High	Moderate	Moderate	Moderate	Low	Low
3242	Storage Bldg-Maine Chance	2317 Turner Pl	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Low
3243	Auto Body Shop-Maine Chance	2355 Turner Pl	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Low	Low	Low
3245	Run In Shed #5	2660 Equine Campus Rd	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Moderate	Low	Moderate
3246	Run In Shed #6	1995 Research Farm Rd	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Moderate	Low	Moderate
3249	Pony Shed	2673 Jet Pilot Way	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Low	Low	Low
3250	Garage-Maine Chance	2397 Turner Pl	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Low
3255	Storage Bldg-Maine Chance	1945 Research Farm Rd	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Low
3258	Barn C Shed	2611 Fascinator Lane	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Low
3259	Horse Corral Vet Science-Maine Chance	2354 Equine Campus Rd	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Moderate	Low	Moderate
3260	Equine Nutritional - Maine Chance	2000 Star Pilot Ln	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Low
3261	Pole Shed Bale Storage-Maine Chance	2730 Jet Pilot Way	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Low
3280	Shaving Storage	2099 Newtown Pike	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Low
3283	Storage Building	2099 Newtown Pike	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Low
3285	AG Vet Science	2099 Newtown Pike	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Low
3286	Vet Science Office	2322 Equine Campus Rd	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Moderate	Low	Moderate
3287	Dwelling Mobile Hole	2415 Turner Place	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Low



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3288	Isolation Barn #1	2801 Roxie Lane	Lexington	Fayette	LFUCG	Low	High	High	High	Moderate	Moderate	High
3289	Isolation Barn #2	2808 Roxie Lane	Lexington	Fayette	LFUCG	Low	High	High	High	Moderate	Moderate	High
3290	AG Hoop Shed #4	2099 Newtown Pike	Lexington	Fayette	LFUCG	Low	High	High	High	Moderate	Moderate	Moderate
3291	FEP Storage Bldg.	1995 Research Farm Rd	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Moderate	Low	Moderate
3292	Equine Teaching Pavilion-Main Chance	2011 Star Pilot Ln	Lexington	Fayette	LFUCG	Low	High	High	High	Moderate	Moderate	Moderate
3293	MC/DOT Storage	1965 Research Farm Rd	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Low
3294	Communication Shed	2099 Newtown Pike	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Low
3295	MC Storage #2	1975 Research Farm Rd	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Moderate	Low	Moderate
3300	Spindletop Farm Floater	0	Lexington	Fayette	LFUCG	Low	High	High	High	Moderate	Moderate	High
3301	House Spindletop	3250 Iron Works Pike	Lexington	Fayette	LFUCG	Low	High	High	High	Moderate	Moderate	Moderate
3304	House -Spindletop	3250 Iron Works Pike	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Low	Low	Low
3305	MRLS Shed	3250 Iron Works Pike	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Low
3306	Horse Corral #3	2715 Spindletop Way	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Moderate	Low	Moderate
3307	Agronomy-Greenhouse-Spindletop	3250 Iron Works Pike	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Low
3308	Agronomy-Greenhouse #3-Spindletop	2922 Spindletop Way	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Moderate	Low	Moderate
3309	Storage Bldg-Spindletop	2367 Tim Tam Trl	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Moderate	Low	Moderate
3310	Horse Barn C-Spindletop	2603 Fascinator Ln	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Low
3311	Horse Barn B-Spindletop	2716 Spindletop Way	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Moderate	Low	Moderate
3312	Spindletop Administration Building	2624 Research Park Dr	Lexington	Fayette	LFUCG	Low	High	High	High	Moderate	Moderate	Moderate
3313	Small Animal Hospital	2786 Spindletop Way	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Moderate	Low	Moderate
3315	Tobacco Barn-Spindletop	2785 Spindletop Way	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Moderate	Low	Moderate
3316	Garage-Spindletop	3250 Iron Works Pike	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Low	Low	Low
3317	House -Spindletop	2791 Spindletop Way	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Moderate	Low	Moderate
3319	House -Spindletop	2799 Spindletop Way	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Moderate	Low	Moderate



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						Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire	Karst/Sinkhole
3320	Garage-Spindletop	3250 Iron Works Pike	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Low	Low	Low
3321	House-Spindletop	2819 Spindletop Way	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Moderate	Low	Moderate
3322	House -Spindletop	2829 Spindletop Way	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Moderate	Low	Moderate
3323	Garage -Spindletop	3250 Iron Works Pike	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Low	Low	Low
3324	Garage -Spindletop	3250 Iron Works Pike	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Low	Low	Low
3325	House -Spindletop	2839 Spindletop Way	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Moderate	Low	Moderate
3326	Garage-Spindletop	3250 Iron Works Pike	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Low	Low	Low
3327	House-Spindletop	2849 Spindletop Way	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Moderate	Low	Moderate
3328	Walter W. Zent Mare Reproductive Health Facility	2870 Spindletop Way	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Moderate	Low	Moderate
3329	Stallion Barn	2879 Spindletop Way	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Moderate	Low	Moderate
3330	Old Spindletop Shop	3030 Boswell Ln	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Moderate	Low	Moderate
3337	Isolation #2 Lab	Roxie Lane	Lexington	Fayette	LFUCG	Low	High	High	High	Moderate	Moderate	Moderate
3339	Dwelling-Spindletop	2914 Spindletop Way	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Moderate	Low	Moderate
3343	DLAR Storage Facility	2789 Spindletop Way	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Moderate	Low	Moderate
3346	Isolation #1 Lab - Spindletop	2801 Roxie Lane	Lexington	Fayette	LFUCG	Low	High	High	High	Moderate	Moderate	Moderate
3347	Isolation #1 Storage Bldg	2801 Roxie Lane	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Moderate	Low	Moderate
3348	Forage Research Greenhouse	2922 Spindletop Way	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Moderate	Low	Moderate
3349	Turf Center-Spindletop	3080 Shoshone Ln	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Moderate	Low	Moderate
3350	Goat Barn-Spindletop	3070 Shoshone Ln	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Moderate	Low	Moderate
3351	Vacant Dog Kennel-Spindletop	3250 Iron Works Pike	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Low
3352	Vacant Dog Kennel-Spindletop	3250 Iron Works Pike	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Low
3353	Grounds Office-Spindletop	3414 Iron Works Pike	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Moderate	Low	Moderate
3354	Tennis Pro Shop-Spindletop	3414 Iron Works Pike	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Moderate	Low	Moderate
3355	Tennis Pro Shop-Spindletop	3414 Iron Works Pike	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Moderate	Low	Moderate
3357	Garage Apartments-Spindletop	3250 Iron Works Pike	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Low	Low	Low
3358	Mansion-Spindletop	3414 Iron Works Pike	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Moderate	Low	Moderate



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3359	Dressing Rooms-Spindletop	3414 Iron Works Pike	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Moderate	Low	Moderate
3360	Recreation Bldg.-Spindletop	3414 Iron Works Pike	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Moderate	Low	Moderate
3361	Pleasure Barn-Spindletop	3414 Iron Works Pike	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Moderate	Low	Moderate
3364	Scale House-Spindletop	3250 Iron Works Pike	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Low	Low	Low
3365	Storge Bldg for 3362-Spindletop	3250 Iron Works Pike	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Low
3366	Storage Bldg-Spindletop	3088 Shoshone Ln	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Moderate	Low	Moderate
3367	Equipt. Storage Bldg.-Spindletop	2919 Spindletop Way	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Moderate	Low	Moderate
3368	Wheat Greenhouse Headhouse	2906 Spindletop Way	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Moderate	Low	Moderate
3370	Council of State Governments	2780 Research Park Drive	Lexington	Fayette	LFUCG	Low	High	High	High	Moderate	Moderate	Moderate
3371	Council of State Governments - Sprague Building	2760 Research Park Drive	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Low
3372	Bath House-Spindletop	3414 Iron Works Pike	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Moderate	Low	Moderate
3373	Tobacco Barn - Spindletop	2901 Spindletop Way	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Moderate	Low	Moderate
3374	Crop Dryer Bldg.-Spindletop	2940 Agronomy Rd	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Low	Low	Low
3375	Field Lab-Spindletop	2951 Agronomy Rd	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Moderate	Low	Moderate
3376	Climatological Lab-Spindletop	3250 Iron Works Pike	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Low	Low	Low
3377	Agronomy storage unit	2915 Spindletop Way	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Moderate	Low	Moderate
3378	Animal Care Barn-Spindletop	3250 Iron Works Pike	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Low
3379	Foundation Seed Proc-Spindletop	2920 Agronomy Rd	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Moderate	Low	Moderate
3380	Ag Engineering Barn-Spindletop	2540 Tim Tam Trl	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Moderate	Low	Moderate
3381	KGS Core Library Carport	2500 Research Park Dr	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Moderate	Low	Moderate
3382	CAER Laboratory 1	2540 Research Park Dr	Lexington	Fayette	LFUCG	Low	High	High	Severe	High	Moderate	High
3383	Chemical Storage Building-Spindletop	3250 Iron Works Pike	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Low	Low	Low
3384	Research Tobacco Barn-Spindletop	2530 Tim Tam Trl	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Moderate	Low	Moderate
3385	Vet Science Dwelling	2595 Fascinator Ln	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Low
3386	Agronomy Equipment #4	2979 Agronomy Rd	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Low



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3387	Metal Curing Barn-Spindletop	2520 Tim Tam Trl	Lexington	Fayette	LFUCG	Low	High	High	High	Moderate	Moderate	Moderate
3388	Ag Machine Storage	2975 Agronomy Rd	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Low
3389	Agronomy Greenhouse-Spindletop	2908 Spindletop Way	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Moderate	Low	Moderate
3390	Agronomy Pesticide Storage-Spindletop	2955 Agronomy Rd	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Moderate	Low	Moderate
3391	Agronomy Fuel Storage Shed-Spindletop	2936 Spindletop Way	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Moderate	Low	Moderate
3393	Mobile Home-Spindletop	2659 Fascinator Ln	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Moderate	Low	Moderate
3394	Isolation #1 Generator Building	2801 Roxie Lane	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Moderate	Low	Moderate
3395	Entomology Research Storage	3150 Boswell Ln	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Moderate	Low	Moderate
3396	Pole Shed Bale Storage-Spindletop	2675 Fascinator Ln	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Moderate	Low	Moderate
3399	Entomology Storage	3180 Boswell Ln	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Moderate	Low	Moderate
3400	South Farm Floater	0	Lexington	Fayette	LFUCG	Low	High	High	High	Moderate	Moderate	Moderate
3402	South Farm Equipment Storage Shed	4321 Emmert Farm Ln	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Low
3403	South Farm Shop	4321 Emmert Farm Ln	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Low	Moderate	Low
3404	Hazardous Material Storage	4344 Emmert Farm Ln	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Low
3405	Organic Cooler Building	4344 Emmert Farm Ln	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Low
3406	Vegetable High Tunnel East	4344 Emmerts Farm Rd	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Low
3407	Vegetable High Tunnel West	4344 Emmerts Farm Rd	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Low
3412	High Tunnel Storage	4344 Emmerts Farm Rd	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Low
3413	New Implement Shed-South Farm	4321 Emmert Farm Ln	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Low	Moderate	Low
3422	Field Research Lab-South Farm	4321 Emmert Farm Ln	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Low	Moderate	Low
3423	Vet Science Isolation Bldg.-South Farm	4321 Emmert Farm Ln	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Low	Moderate	Low
3424	Vet Science Isolation Bldg.-South Farm	4321 Emmert Farm Ln	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Low	Moderate	Low
3425	Vet Science Isolation Bldg.-South Farm	4321 Emmert Farm Ln	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Low	Moderate	Low
3426	Vet Science Isolation Bldg.-South Farm	4321 Emmert Farm Ln	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Low	Moderate	Low
3427	Vet Science Isolation Bldg.-South Farm	4321 Emmert Farm Ln	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Low	Moderate	Low



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						Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire	Karst/Sinkhole
3428	Hay & Feed Storage Bldg.-South Farm	4321 Emmert Farm Ln	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Low	Moderate	Low
3429	Autopsy Lab/L Quarters-South Farm	4321 Emmert Farm Ln	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Low	Moderate	Low
3431	Hort Equipt Storage-South Farm	4321 Emmert Farm Ln	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Low	Moderate	Low
3434	Managers House-South Farm	4321 Emmert Farm Ln	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Low
3436	Headhouse	4321 Emmert Farm Ln	Lexington	Fayette	LFUCG	Low	High	High	High	Low	Moderate	Moderate
3437	Equipment Building #3	4321 Emmert Farm Ln	Lexington	Fayette	LFUCG	Low	High	High	High	Low	Moderate	Moderate
3501	Miller's Greenhouse	2910 Agronomy Rd	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Moderate	Low	Moderate
3502	Seed Shed	3250 Iron Works Pike	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Low
3503	Agronomy Storage #2	2965 Agronomy Rd	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Low
3504	Hoop Shed 3	2775 Spindletop Way	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Moderate	Low	Moderate
3506	Vet Science Run-In Shed	2971 Mildred Way	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Moderate	Low	Moderate
3508	wheat Greenhouse	2902 Spindletop Way	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Moderate	Low	Moderate
3510	Barn C Run-In Shed - Spindletop	3250 Iron Works Pike	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Low
3617	Mycology Building (Alexandria @ Leestown Rd)	300 Alexandria Dr	Lexington	Fayette	LFUCG	Low	High	High	High	Low	Moderate	Moderate
3700	Woodford Farm Floater	0	Versailles	Woodford	BGADD	Low	High	High	High	Moderate	Moderate	Moderate
3701	Woodford Co. Pesticide Storage #1	1171 Midway Rd	Versailles	Woodford	BGADD	Low	Moderate	Low	Low	Low	Low	Low
3720	Tenant House 1-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	Low	Moderate	Moderate	Moderate	Low	Low	Low
3721	Vet Science Run-In Shed ARC	1171 Midway Rd	Versailles	Woodford	BGADD	Low	Moderate	Low	Low	Low	Low	Low
3740	Tenant House 2-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	Low	Moderate	Low	Low	Low	Low	Low
3741	Tenant House 3-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	Low	Moderate	Low	Low	Low	Low	Low
3742	Foaling Barn-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	Low	Moderate	Moderate	Moderate	Low	Low	Low
3743	Stone House	1171 Midway Rd	Versailles	Woodford	BGADD	Low	Moderate	Moderate	Moderate	Low	Low	Low
3744	Swine Manure Electric Building	1171 Midway Rd	Versailles	Woodford	BGADD	Low	Moderate	Low	Low	Low	Low	Low
3780	Corn Barn-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	Low	Moderate	Moderate	Moderate	Low	Low	Low
3781	Tobacco Barn #1-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	Low	Moderate	Moderate	Moderate	Low	Low	Low



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3783	Old Utility Shed-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	Low	High	High	High	Low	Moderate	Moderate
3786	Tobacco Barn -C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	Low	Moderate	Moderate	Moderate	Low	Low	Low
3788	Toabcco Barn 3-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	Low	Moderate	Moderate	Moderate	Low	Low	Low
3789	Tenants House 5-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	Low	Moderate	Moderate	Moderate	Low	Low	Low
3790	Tenants House 6-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	Low	Moderate	Moderate	Moderate	Low	Low	Low
3791	Stucco Cattle Barn 2-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	Low	Moderate	Moderate	Moderate	Low	Low	Low
3792	Tobacco Barn #4	1171 Midway Rd	Versailles	Woodford	BGADD	Low	Moderate	Moderate	Moderate	Low	Low	Low
3793	Tobacco Barn #5	1171 Midway Rd	Versailles	Woodford	BGADD	Low	Moderate	Moderate	Moderate	Low	Low	Low
3794	Stucco Duplex 2-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	Low	Moderate	Low	Low	Low	Low	Low
3850	Scale Shed	1141 Midway Rd	Versailles	Woodford	BGADD	Low	Moderate	Low	Low	Low	Low	Low
3852	Manager House-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	Low	Moderate	Low	Low	Low	Low	Low
3860	Yearling Barn 2-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	Low	Moderate	Moderate	Moderate	Low	Low	Low
3861	Beef Herdsman House-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	Low	Moderate	Low	Low	Low	Low	Low
3862	Stripping Room-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	Low	High	High	High	Low	Moderate	Moderate
3864	WFC Office-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	Low	Moderate	Low	Low	Low	Low	Low
3865	Beef Unit/Handling Fac-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	Low	Moderate	Low	Low	Low	Low	Low
3866	Beef Unit/Nutrition Facility-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	Low	Moderate	Low	Low	Low	Low	Low
3867	Beef Unit/Indiv. Pen Fac-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	Low	Moderate	Low	Low	Low	Low	Low
3868	Beef Unit/Calan Fac-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	Low	Moderate	Low	Low	Low	Low	Low
3869	Beef Unit/Intensive Rsch-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	Low	Moderate	Moderate	Moderate	Low	Low	Low
3871	Beef Unit/Composting Shed-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	Low	Moderate	Low	Low	Low	Low	Low



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3872	Beef Unit/Leaf Storage-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	Low	Moderate	Low	Low	Low	Low	Low
3873	Beef Unit/Small Pen C12 FA-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	Low	Moderate	Low	Low	Low	Low	Low
3874	Beef Unit/Heifer Dev-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	Low	Moderate	Low	Low	Low	Low	Low
3875	Animal Handling Facility-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	Low	Moderate	Low	Low	Low	Low	Low
3880	Sheep Pen Facility	1171 Midway Rd	Versailles	Woodford	BGADD	Low	Moderate	Low	Low	Low	Low	Low
3882	Sheep Unit/Ser.Complex-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	Low	Moderate	Low	Low	Low	Low	Low
3883	Sheep Sleeping Quarters	1171 Midway Rd	Versailles	Woodford	BGADD	Low	Moderate	Low	Low	Low	Low	Low
3890	Swine Unit/Ser & Rec.-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	Low	Moderate	Low	Low	Low	Low	Low
3891	Swine Unit/Headquarters-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	Low	Moderate	Low	Low	Low	Low	Low
3892	Swine Unit/Nur. Complex-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	Low	Moderate	Low	Low	Low	Low	Low
3893	Swine Unit/Finish-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	Low	Moderate	Low	Low	Low	Low	Low
3894	Swine Unit/Boar Stud-C. Oran Little Research Center	1171 Midway Rd	Versailles	Woodford	BGADD	Low	Moderate	Low	Low	Low	Low	Low
3901	Hoop Storage #1	1141 Midway Rd	Versailles	Woodford	BGADD	Low	Moderate	Low	Low	Low	Low	Low
3902	Hoop Storage #2	1141 Midway Rd	Versailles	Woodford	BGADD	Low	Moderate	Low	Low	Low	Low	Low
3903	Hoop Storage 2003	1141 Midway Rd	Versailles	Woodford	BGADD	Low	Moderate	Low	Low	Low	Low	Low
4501	Dining Hall	260 Camp Dr	Carlisle	Nicholas	BGADD	Low	Moderate	Moderate	Moderate	Moderate	Severe	Moderate
4502	Cabin 14	260 Camp Dr	Carlisle	Nicholas	BGADD	Low	Moderate	Low	Low	Moderate	Severe	Moderate
4503	Bath House (Boys)	260 Camp Dr	Carlisle	Nicholas	BGADD	Low	Moderate	Moderate	Moderate	Moderate	Severe	Moderate
4504	Bath House (Girls)	260 Camp Dr	Carlisle	Nicholas	BGADD	Low	Moderate	Moderate	Moderate	Moderate	Severe	Moderate
4505	Cabin 5	260 Camp Dr	Carlisle	Nicholas	BGADD	Low	Moderate	Moderate	Moderate	Moderate	Severe	Moderate
4506	Cabin 6	260 Camp Dr	Carlisle	Nicholas	BGADD	Low	Moderate	Moderate	Moderate	Moderate	Severe	Moderate
4507	Cabin 7	260 Camp Dr	Carlisle	Nicholas	BGADD	Low	Moderate	Moderate	Moderate	Moderate	Severe	Moderate
4508	Caretakers House	260 Camp Dr	Carlisle	Nicholas	BGADD	Low	High	Moderate	Moderate	Moderate	Severe	Moderate
4509	Cabin 8	260 Camp Dr	Carlisle	Nicholas	BGADD	Low	Moderate	Moderate	Moderate	Moderate	Severe	Moderate
4510	Cabin 4	260 Camp Dr	Carlisle	Nicholas	BGADD	Low	Moderate	Moderate	Moderate	Moderate	Severe	Moderate



Building ID	Building Name	Address	City	County	Area Development District (ADD)/Local Hazard Mitigation Plan	Vulnerability Scores						
						Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire	Karst/Sinkhole
4511	Cabin 11	260 Camp Dr	Carlisle	Nicholas	BGADD	Low	Moderate	Moderate	Moderate	Moderate	Severe	Moderate
4512	Cabin 12	260 Camp Dr	Carlisle	Nicholas	BGADD	Low	Moderate	Moderate	Moderate	Moderate	Severe	Moderate
4513	Cabin 13	260 Camp Dr	Carlisle	Nicholas	BGADD	Low	Moderate	Moderate	Moderate	Moderate	Severe	Moderate
4518	Cabin 19	260 Camp Dr	Carlisle	Nicholas	BGADD	Low	Moderate	Moderate	Moderate	Moderate	Severe	Moderate
4519	Cabin 20	260 Camp Dr	Carlisle	Nicholas	BGADD	Low	Moderate	Moderate	Moderate	Moderate	Severe	Moderate
4520	Cabin 21	260 Camp Dr	Carlisle	Nicholas	BGADD	Low	Moderate	Moderate	Moderate	Moderate	Severe	Moderate
4521	Cabin 22	260 Camp Dr	Carlisle	Nicholas	BGADD	Low	Moderate	Moderate	Moderate	Moderate	Severe	Moderate
4522	Cabin 1	260 Camp Dr	Carlisle	Nicholas	BGADD	Low	Moderate	Moderate	Moderate	Moderate	Severe	Moderate
4523	Cabin 2	260 Camp Dr	Carlisle	Nicholas	BGADD	Low	Moderate	Moderate	Moderate	Moderate	Severe	Moderate
4524	Cabin 3	260 Camp Dr	Carlisle	Nicholas	BGADD	Low	Moderate	Moderate	Moderate	Moderate	Severe	Moderate
4525	Cabin 10	260 Camp Dr	Carlisle	Nicholas	BGADD	Low	Moderate	Moderate	Moderate	Moderate	Severe	Moderate
4526	Cabin 23	260 Camp Dr	Carlisle	Nicholas	BGADD	Low	Moderate	Moderate	Moderate	Moderate	Severe	Moderate
4527	Cabin 9	260 Camp Dr	Carlisle	Nicholas	BGADD	Low	Moderate	Moderate	Moderate	Moderate	Severe	Moderate
4528	Filter House (and Pool)	260 Camp Dr	Carlisle	Nicholas	BGADD	Low	Moderate	Moderate	Moderate	Moderate	Severe	Moderate
4529	Sewage Pump System	260 Camp Dr	Carlisle	Nicholas	BGADD	Low	Moderate	Moderate	Moderate	Moderate	Severe	Moderate
4530	Cabin 15	260 Camp Dr	Carlisle	Nicholas	BGADD	Low	Moderate	Low	Low	Moderate	Severe	Moderate
4531	Conference Building (Multi-purpose)	260 Camp Dr	Carlisle	Nicholas	BGADD	Low	Moderate	Moderate	Moderate	Moderate	Severe	Moderate
4532	Health & Administration	260 Camp Dr	Carlisle	Nicholas	BGADD	Low	Moderate	Low	Low	Moderate	Severe	Moderate
4533	Bird Blind	260 Camp Dr	Carlisle	Nicholas	BGADD	Low	Moderate	Low	Low	Moderate	Severe	Moderate
4534	Maintenance Building	260 Camp Dr	Carlisle	Nicholas	BGADD	Low	Moderate	Low	Low	Moderate	Severe	Moderate
4535	Fishing Dock	260 Camp Dr	Carlisle	Nicholas	BGADD	Low	Moderate	Low	Low	Moderate	Severe	Moderate
4537	Log Cabin	260 Camp Dr	Carlisle	Nicholas	BGADD	Low	Moderate	Low	Low	Moderate	Severe	Moderate
4538	Outpost 1	260 Camp Dr	Carlisle	Nicholas	BGADD	Low	Moderate	Low	Low	Moderate	Severe	Moderate
4539	Outpost 2	260 Camp Dr	Carlisle	Nicholas	BGADD	Low	Moderate	Low	Low	Moderate	Severe	Moderate
4540	Shelter Bldg	260 Camp Dr	Carlisle	Nicholas	BGADD	Low	Moderate	Low	Low	Moderate	Severe	Moderate
4541	Rifle Range	260 Camp Dr	Carlisle	Nicholas	BGADD	Low	Moderate	Low	Low	Moderate	Severe	Moderate
4542	North Central 4-H Camp Floating Dock	260 Camp Dr	Carlisle	Nicholas	BGADD	Low	Moderate	Low	Low	Moderate	Severe	Moderate
4543	Cabin 16	260 Camp Dr	Carlisle	Nicholas	BGADD	Low	Moderate	Low	Low	Moderate	Severe	Moderate
4544	Cabin 17	260 Camp Dr	Carlisle	Nicholas	BGADD	Low	Moderate	Low	Low	Moderate	Severe	Moderate
4545	Cabin 18	260 Camp Dr	Carlisle	Nicholas	BGADD	Low	Moderate	Low	Low	Moderate	Severe	Moderate
4546	Outpost Shelter, North Central 4-H Camp	260 Camp Dr	Carlisle	Nicholas	BGADD	Low	Moderate	Low	Low	Moderate	Severe	Moderate
4547	Outpost Shelter, North Central 4-H Camp	260 Camp Dr	Carlisle	Nicholas	BGADD	Low	Moderate	Low	Low	Moderate	Severe	Moderate
4549	High Ropes Shelter	260 Camp Dr	Carlisle	Nicholas	BGADD	Low	Moderate	Low	Low	Moderate	Severe	Moderate
4551	Storage #1	260 Camp Dr	Carlisle	Nicholas	BGADD	Low	Moderate	Low	Low	Moderate	Severe	Moderate



Building ID	Building Name	Address	City	County	Area Development District (ADD)/Local Hazard Mitigation Plan	Vulnerability Scores						
						Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire	Karst/Sinkhole
4552	Archery Shelter	260 Camp Dr	Carlisle	Nicholas	BGADD	Low	Moderate	Low	Low	Moderate	Severe	Moderate
4553	Paddle Boat Dock	260 Camp Dr	Carlisle	Nicholas	BGADD	Low	Moderate	Low	Low	Moderate	Severe	Moderate
4602	Mens Cabin #12	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Moderate	High	Low	Severe	Low
4603	Mens Cabin #13	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Moderate	High	Low	Severe	Low
4605	Bath House Boys	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Low	Moderate	Low	Severe	Low
4606	Dining	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Moderate	High	Low	Severe	Low
4607	Womens Cabin #1	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Moderate	High	Low	Severe	Low
4608	Womens Cabin #2	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Moderate	High	Low	Severe	Low
4609	Womens Cabin #3	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Moderate	High	Low	Severe	Low
4610	Womens Cabin #4	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Moderate	High	Low	Severe	Low
4611	Womens Cabin #5	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Moderate	High	Low	Severe	Low
4612	Womens Cabin #7	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Moderate	High	Low	Severe	Low
4613	Womens Cabin #8	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Moderate	High	Low	Severe	Low
4614	Womens Cabin #9	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Moderate	High	Low	Severe	Low
4615	Bath House Girls	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Moderate	High	Low	Severe	Low
4618	Residence	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Moderate	High	Low	Severe	Low
4619	Cabin 14	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Low	Moderate	Low	Severe	Low
4620	Shelter House	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Moderate	High	Low	Severe	Low
4621	Girls Cabin #6	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Moderate	High	Low	Severe	Low
4623	Paddle Boat Dock	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Low	Moderate	Low	Severe	Low
4625	Boys Cabin #16	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Moderate	High	Low	Severe	Low
4626	Girls Cabin #10	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Moderate	High	Low	Severe	Low
4627	Archery Storage	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Low	Moderate	Low	Severe	Low
4628	Amphitheater	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Moderate	High	Low	Severe	Low
4629	Country Store	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Moderate	High	Low	Severe	Low
4630	Staff Cabin	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Moderate	High	Low	Severe	Low
4631	Maintenance Bldg	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Moderate	High	Low	Severe	Low
4632	Bath House Swimming Pool	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Low	Moderate	Low	Severe	Low
4633	Girls Cabin #11	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Moderate	High	Low	Severe	Low
4634	Rifle Range Shelter	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Low	Moderate	Low	Severe	Low



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						Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire	Karst/Sinkhole
4636	Log Cabin 2 Story	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Moderate	High	Low	Severe	Low
4637	Canoe Storage	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Low	Moderate	Low	Severe	Low
4639	Storage Building	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Low	Moderate	Low	Severe	Low
4641	Barbeque Shelter	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Low	Moderate	Low	Severe	Low
4642	Birdhouse	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Low	Moderate	Low	Severe	Low
4643	Boat Dock	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Low	Moderate	Low	Severe	Low
4645	Male Staff Mobile Home	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Low	Moderate	Low	Severe	Low
4646	Fishing Hut	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Low	Moderate	Low	Severe	Low
4647	Multiplex Modular Building	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Low	Moderate	Low	Severe	Low
4648	Cabin 15	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Low	Moderate	Low	Severe	Low
4649	Outpost Screened Shelter	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Low	Moderate	Low	Severe	Low
4650	Staff Trailer	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Low	Moderate	Low	Severe	Low
4651	Cabin of Tomorrow	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	Low	Moderate	Low	Severe	Low
4700	Eden Shale Farm Floater	380 J.M. Feltner Rd	London	Laurel	CVADD	Low	Low	High	High	Low	Severe	Moderate
4702	Tobacco Barn #1	245 Eden Shale Rd	Owenton	Owen	NKADD	Low	Moderate	Moderate	High	Low	High	Low
4703	HOUSE HERDSMAN #2	245 Eden Shale Rd	Owenton	Owen	NKADD	Low	Moderate	Moderate	High	Low	High	Low
4704	Heifer Barn #3	245 Eden Shale Rd	Owenton	Owen	NKADD	Low	Moderate	Moderate	High	Low	High	Low
4705	House Superintendent Dwelling #2	245 Eden Shale Rd	Owenton	Owen	NKADD	Low	Moderate	Moderate	High	Low	High	Low
4706	Dairy Barn #5	245 Eden Shale Rd	Owenton	Owen	NKADD	Low	Moderate	Moderate	High	Low	High	Low
4707	Cottage Dwelling #6	245 Eden Shale Rd	Owenton	Owen	NKADD	Low	Moderate	Moderate	High	Low	High	Low
4708	Tobacco Barn	245 Eden Shale Rd	Owenton	Owen	NKADD	Low	Moderate	Moderate	High	Low	High	Low
4709	Cattle Barn	245 Eden Shale Rd	Owenton	Owen	NKADD	Low	Moderate	Moderate	High	Low	High	Low
4710	Bull Lot Shed	245 Eden Shale Rd	Owenton	Owen	NKADD	Low	Moderate	Low	Moderate	Low	High	Low
4711	Shop	245 Eden Shale Rd	Owenton	Owen	NKADD	Low	Moderate	Moderate	High	Low	High	Low
4712	Sheep Barn	245 Eden Shale Rd	Owenton	Owen	NKADD	Low	Moderate	Moderate	High	Low	High	Low
4713	Barn #12	245 Eden Shale Rd	Owenton	Owen	NKADD	Low	Moderate	Moderate	High	Low	High	Low
4714	Tobacco Barn	245 Eden Shale Rd	Owenton	Owen	NKADD	Low	Moderate	Moderate	High	Low	High	Low
4715	Tobacco Barn	245 Eden Shale Rd	Owenton	Owen	NKADD	Low	Moderate	Moderate	High	Low	High	Low
4716	Tobacco Barn	245 Eden Shale Rd	Owenton	Owen	NKADD	Low	Moderate	Moderate	High	Low	High	Low



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						Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire	Karst/Sinkhole
4717	House	245 Eden Shale Rd	Owenton	Owen	NKADD	Low	Moderate	Moderate	High	Low	High	Low
4718	SHED	245 Eden Shale Rd	Owenton	Owen	NKADD	Low	Moderate	Moderate	High	Low	High	Low
4719	Shed	245 Eden Shale Rd	Owenton	Owen	NKADD	Low	Moderate	Moderate	High	Low	High	Low
4721	Smoke House	245 Eden Shale Rd	Owenton	Owen	NKADD	Low	Moderate	Moderate	High	Low	High	Low
4727	Shed	245 Eden Shale Rd	Owenton	Owen	NKADD	Low	Moderate	Moderate	High	Low	High	Low
4728	Shed	245 Eden Shale Rd	Owenton	Owen	NKADD	Low	Moderate	Moderate	High	Low	High	Low
4729	Stripping Room	245 Eden Shale Rd	Owenton	Owen	NKADD	Low	Moderate	Moderate	High	Low	High	Low
4732	Garage & Office	245 Eden Shale Rd	Owenton	Owen	NKADD	Low	Moderate	Moderate	High	Low	High	Low
4733	Tobacco Barn	245 Eden Shale Rd	Owenton	Owen	NKADD	Low	Moderate	Moderate	High	Low	High	Low
4735	Horticulture Shed	245 Eden Shale Rd	Owenton	Owen	NKADD	Low	Moderate	Moderate	High	Low	High	Low
4737	Corn Crib 2	245 Eden Shale Rd	Owenton	Owen	NKADD	Low	Moderate	Moderate	High	Low	High	Low
4739	Greenhouse Furnace Room	245 Eden Shale Rd	Owenton	Owen	NKADD	Low	Moderate	Moderate	High	Low	High	Low
4740	Holding Scale Pen	245 Eden Shale Rd	Owenton	Owen	NKADD	Low	Moderate	Moderate	High	Low	High	Low
4741	Concrete Stave Silo	245 Eden Shale Rd	Owenton	Owen	NKADD	Low	Moderate	Moderate	High	Low	High	Low
4744	Corn Crib 3	245 Eden Shale Rd	Owenton	Owen	NKADD	Low	Moderate	Moderate	High	Low	High	Low
4745	Tool Room	245 Eden Shale Rd	Owenton	Owen	NKADD	Low	Moderate	Low	Moderate	Low	High	Low
4746	Storage Building	245 Eden Shale Rd	Owenton	Owen	NKADD	Low	Moderate	Low	Moderate	Low	High	Low
4747	HOOP SHED #2	245 Eden Shale Rd	Owenton	Owen	NKADD	Low	High	High	High	Low	High	Moderate
7700	Western KY 4-H Floater	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	NKADD	Low	Severe	Severe	Severe	High	Severe	High
7701	Dining Hall & Office	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	Low	Severe	Severe	Severe	High	Severe	High
7704	Shelter House	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	Low	Severe	Severe	Severe	High	Severe	High
7705	Boys Bath House	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	Low	Severe	Severe	Severe	High	Severe	High
7706	Cabin of Tomorrow	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	Low	Severe	Severe	Severe	High	Severe	High
7709	Maintenance Workshop	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	Low	Severe	Severe	Severe	High	Severe	High
7710	Storage Shed	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	Low	Severe	Severe	Severe	High	Severe	High
7711	Storage Shed	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	Low	Severe	Severe	Severe	High	Severe	High



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						Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire	Karst/Sinkhole
7713	Nature House	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	Low	Severe	Severe	Severe	High	Severe	High
7714	Recreation Metal Storage	600 Camp Rd	Dawson Springs	Caldwell & Hopkins	PeADD	Low	Severe	Severe	Severe	High	Severe	High
7715	Softball Shelter	600 Camp Rd	Dawson Springs	Caldwell & Hopkins	PeADD	Low	Severe	Severe	Severe	High	Severe	High
7718	Girls Bath House	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	Low	Severe	Severe	Severe	High	Severe	High
7723	Boys Cottage	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	Low	Severe	Severe	Severe	High	Severe	High
7724	Boys Cottage	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	Low	Severe	Severe	Severe	High	Severe	High
7725	Boys Cottage	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	Low	Severe	Severe	Severe	High	Severe	High
7726	Boys Cottage	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	Low	Severe	Severe	Severe	High	Severe	High
7727	Boys Cottage	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	Low	Severe	Severe	Severe	High	Severe	High
7728	Boys Cottage	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	Low	Severe	Severe	Severe	High	Severe	High
7729	Boys Cottage	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	Low	Severe	Severe	Severe	High	Severe	High
7730	Boys Cottage	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	Low	Severe	Severe	Severe	High	Severe	High
7731	Boys Cottage	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	Low	Severe	Severe	Severe	High	Severe	High
7732	Boys Cottage	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	Low	Severe	Severe	Severe	High	Severe	High
7733	Boys Cottage	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	Low	Severe	Severe	Severe	High	Severe	High
7742	Girls Cottage	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	Low	Severe	Severe	Severe	High	Severe	High
7745	Gate House	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	Low	Severe	Severe	Severe	High	Severe	High
7746	Pool Bath House	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	Low	Severe	Severe	Severe	High	Severe	High
7748	Boat Dock	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	Low	Severe	Severe	Severe	High	Severe	High
7753	Boat House	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	Low	Severe	Severe	Severe	High	Severe	High
7757	Girls Cottage	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	Low	Severe	Severe	Severe	High	Severe	High



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						Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire	Karst/Sinkhole
7758	Girls Cottage	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	Low	Severe	Severe	Severe	High	Severe	High
7759	Girls Cottage	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	Low	Severe	Severe	Severe	High	Severe	High
7760	Girls Cottage	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	Low	Severe	Severe	Severe	High	Severe	High
7761	Girls Cottage	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	Low	Severe	Severe	Severe	High	Severe	High
7762	Girls Cottage	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	Low	Severe	Severe	Severe	High	Severe	High
7763	Girls Cottage	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	Low	Severe	Severe	Severe	High	Severe	High
7764	Girls Cottage	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	Low	Severe	Severe	Severe	High	Severe	High
7765	Girls Cottage	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	Low	Severe	Severe	Severe	High	Severe	High
7766	Girls Cottage	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	Low	Severe	Severe	Severe	High	Severe	High
7768	Staff Cottage Girls	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	Low	Severe	Severe	Severe	High	Severe	High
7770	Filter House	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	Low	Severe	Severe	Severe	High	Severe	High
7771	Staff Cabin Boys	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	Low	Severe	Severe	Severe	High	Severe	High
7773	Multi-Purpose Building	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	Low	Severe	Severe	Severe	High	Severe	High
7774	Rifle Range Shelter	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	Low	Severe	Severe	Severe	High	Severe	High
7775	Country Store	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	Low	Severe	Severe	Severe	High	Severe	High
7777	Bird Blind	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	Low	Severe	Severe	Severe	High	Severe	High
7779	Recreation Storage	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	Low	Severe	Severe	Severe	High	Severe	High
7781	Stg Bldg Challenge Course	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	Low	Severe	Severe	Severe	High	Severe	High
7783	Archery Range Storage	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	Low	Severe	Severe	Severe	High	Severe	High
7784	Horse Barn	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	Low	Severe	Severe	Severe	High	Severe	High
7785	West KY 4-H Camp Pavilion	600 Camp Dr	Dawson Springs	Caldwell & Hopkins	PeADD	Low	Severe	Severe	Severe	High	Severe	High



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						Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire	Karst/Sinkhole
7800	West Ky Substation Floater	0	Princeton	Caldwell	PeADD	Low	Severe	Severe	Severe	Low	High	Moderate
7801	Dwelling-Super	1205 Hopkinsville St	Princeton	Caldwell	PeADD	Low	Severe	Severe	Severe	Moderate	High	Moderate
7802	Dwelling-Carpenter	1205 Hopkinsville St	Princeton	Caldwell	PeADD	Low	Severe	Severe	Severe	Moderate	High	Moderate
7803	Dwelling-Animal Science	1205 Hopkinsville St	Princeton	Caldwell	PeADD	Low	Severe	Severe	Severe	Moderate	High	Moderate
7804	Dwelling-Foreman	1205 Hopkinsville St	Princeton	Caldwell	PeADD	Low	Severe	Severe	Severe	Moderate	High	Moderate
7805	Dwelling-Asst Foreman	1205 Hopkinsville St	Princeton	Caldwell	PeADD	Low	Severe	Severe	Severe	Moderate	High	Moderate
7806	Dwelling-H. Eq. Operator	1205 Hopkinsville St	Princeton	Caldwell	PeADD	Low	Severe	Severe	Severe	Moderate	High	Moderate
7807	Office & Service Bldg	1205 Hopkinsville St	Princeton	Caldwell	PeADD	Low	Severe	Severe	Severe	Moderate	High	Moderate
7808	Greenhouse - Header House	1205 Hopkinsville St	Princeton	Caldwell	PeADD	Low	Severe	Severe	Severe	Moderate	High	Moderate
7809	Tobacco Barn - Burley	1205 Hopkinsville St	Princeton	Caldwell	PeADD	Low	Severe	Severe	Severe	Moderate	High	Moderate
7810	Dark Air Cure Barn	1205 Hopkinsville St	Princeton	Caldwell	PeADD	Low	Severe	Severe	Severe	Moderate	High	Moderate
7811	Dark Fire Cure Barn	1205 Hopkinsville St	Princeton	Caldwell	PeADD	Low	Severe	Severe	Severe	Moderate	High	Moderate
7812	Grain Crop Greenhouse	1205 Hopkinsville St	Princeton	Caldwell	PeADD	Low	Severe	Severe	Severe	Low	High	Low
7813	Chemical Storage Barn	1205 Hopkinsville St	Princeton	Caldwell	PeADD	Low	Severe	Severe	Severe	Moderate	High	Moderate
7814	Fertilizer Storage Barn	1205 Hopkinsville St	Princeton	Caldwell	PeADD	Low	Severe	Severe	Severe	Moderate	High	Moderate
7815	Heifer Barn	1205 Hopkinsville St	Princeton	Caldwell	PeADD	Low	Severe	Severe	Severe	Moderate	High	Moderate
7816	Feed Processing Center	1205 Hopkinsville St	Princeton	Caldwell	PeADD	Low	Severe	Severe	Severe	Moderate	High	Moderate
7817	Farrowing House #1	1205 Hopkinsville St	Princeton	Caldwell	PeADD	Low	Severe	Severe	Severe	Moderate	High	Moderate
7818	Farrowing House #2	1205 Hopkinsville St	Princeton	Caldwell	PeADD	Low	Severe	Severe	Severe	Moderate	High	Moderate
7819	Litter Test Shed	1205 Hopkinsville St	Princeton	Caldwell	PeADD	Low	Severe	Severe	Severe	Moderate	High	Moderate



Building ID	Building Name	Address	City	County	Area Development District (ADD)/Local Hazard Mitigation Plan	Vulnerability Scores						
						Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire	Karst/Sinkhole
7820	Litter Test Shed	1205 Hopkinsville St	Princeton	Caldwell	PeADD	Low	Severe	Severe	Severe	Moderate	High	Moderate
7821	Horse Barn/Store Shed	1205 Hopkinsville St	Princeton	Caldwell	PeADD	Low	Severe	Severe	Severe	Moderate	High	Moderate
7822	Beef Cattle Barn - Silo	1205 Hopkinsville St	Princeton	Caldwell	PeADD	Low	Severe	Severe	Severe	Moderate	High	Moderate
7823	Steer Feeding Barn	1205 Hopkinsville St	Princeton	Caldwell	PeADD	Low	Severe	Severe	Severe	Moderate	High	Moderate
7824	Dark Fire Curing Barn	1205 Hopkinsville St	Princeton	Caldwell	PeADD	Low	Severe	Severe	Severe	Low	High	Low
7836	Beef Compost Shed	1205 Hopkinsville St	Princeton	Caldwell	PeADD	Low	Severe	Severe	Severe	Low	High	Low
7837	Farm Shop	1205 Hopkinsville St	Princeton	Caldwell	PeADD	Low	Severe	Severe	Severe	Moderate	High	Moderate
7838	Calen Gates Shelter	1205 Hopkinsville St	Princeton	Caldwell	PeADD	Low	Severe	Severe	Severe	Low	High	Low
7839	Storage Barn - Pruitt	1205 Hopkinsville St	Princeton	Caldwell	PeADD	Low	Severe	Severe	Severe	Moderate	High	Moderate
7840	Weed & Soil Science Storage	1205 Hopkinsville St	Princeton	Caldwell	PeADD	Low	Severe	Severe	Severe	Low	High	Low
7847	Long Silo #2	1205 Hopkinsville St	Princeton	Caldwell	PeADD	Low	Severe	Severe	Severe	Moderate	High	Moderate
7848	Madison Silo #1	1205 Hopkinsville St	Princeton	Caldwell	PeADD	Low	Severe	Severe	Severe	Moderate	High	Moderate
7851	Forage & Grain Dryer	1205 Hopkinsville St	Princeton	Caldwell	PeADD	Low	Severe	Severe	Severe	Moderate	High	Moderate
7853	Garage - Heavy Equip Operator	1205 Hopkinsville St	Princeton	Caldwell	PeADD	Low	Severe	Severe	Severe	Moderate	High	Moderate
7854	Garage - Carpenter	1205 Hopkinsville St	Princeton	Caldwell	PeADD	Low	Severe	Severe	Severe	Moderate	High	Moderate
7855	Garage - Animal Science	1205 Hopkinsville St	Princeton	Caldwell	PeADD	Low	Severe	Severe	Severe	Moderate	High	Moderate
7856	Garage - Superintendent	1205 Hopkinsville St	Princeton	Caldwell	PeADD	Low	Severe	Severe	Severe	Moderate	High	Moderate
7858	Research & Ed Center	1205 Hopkinsville St	Princeton	Caldwell	PeADD	Low	Severe	Severe	Severe	Low	High	Low
7860	Grain Bin Dryer North	1205 Hopkinsville St	Princeton	Caldwell	PeADD	Low	Severe	Severe	Severe	Moderate	High	Moderate
7861	Grain Bin Dryer South	1205 Hopkinsville St	Princeton	Caldwell	PeADD	Low	Severe	Severe	Severe	Moderate	High	Moderate



Building ID	Building Name	Address	City	County	Area Development District (ADD)/Local Hazard Mitigation Plan	Vulnerability Scores						
						Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire	Karst/Sinkhole
7863	Stripping & Casing Building	1205 Hopkinsville St	Princeton	Caldwell	PeADD	Low	Severe	Severe	Severe	Low	High	Low
7864	Machinery Shed	1205 Hopkinsville St	Princeton	Caldwell	PeADD	Low	Severe	Severe	Severe	Low	High	Low
7866	Corn Crib Bin Shelter	1205 Hopkinsville St	Princeton	Caldwell	PeADD	Low	Severe	Severe	Severe	Low	High	Low
7867	Machinery Shed	1205 Hopkinsville St	Princeton	Caldwell	PeADD	Low	Severe	Severe	Severe	Low	High	Low
7869	Dark Fired Tobacco Research	1205 Hopkinsville St	Princeton	Caldwell	PeADD	Low	Severe	Severe	Severe	Low	High	Low
7870	Pesticide Storage	1205 Hopkinsville St	Princeton	Caldwell	PeADD	Low	Severe	Severe	Severe	Moderate	High	Moderate
7871	Garage - AsSt Foreman	1205 Hopkinsville St	Princeton	Caldwell	PeADD	Low	Severe	Severe	Severe	Low	High	Low
7872	Machine Shed	1205 Hopkinsville St	Princeton	Caldwell	PeADD	Low	Severe	Severe	Severe	Low	High	Low
7874	Silo Concrete Stave	1205 Hopkinsville St	Princeton	Caldwell	PeADD	Low	Severe	Severe	Severe	Low	High	Low
7876	Excess Property Bldg	1205 Hopkinsville St	Princeton	Caldwell	PeADD	Low	Severe	Severe	Severe	Low	High	Low
7877	Ag Machinery Storage Shed	1205 Hopkinsville St	Princeton	Caldwell	PeADD	Low	Severe	Severe	Severe	Low	High	Low
7878	Pump Station	1205 Hopkinsville St	Princeton	Caldwell	PeADD	Low	Severe	Severe	Severe	Low	High	Low
7879	AS Machinery Storage shed	1205 Hopkinsville St	Princeton	Caldwell	PeADD	Low	Severe	Severe	Severe	Moderate	High	Moderate
7880	Hay Storage	1205 Hopkinsville St	Princeton	Caldwell	PeADD	Low	Severe	Severe	Severe	Low	High	Low
7881	Storage Building #2/Orchard	1205 Hopkinsville St	Princeton	Caldwell	PeADD	Low	Severe	Severe	Severe	Low	High	Low
7882	Greenhouse/Plastic	1205 Hopkinsville St	Princeton	Caldwell	PeADD	Low	Severe	Severe	Severe	Low	High	Low
8002	KU Building	1 Quality St	Lexington	Fayette	LFUCG	Low	High	High	High	Low	Moderate	Moderate
8602	22728 Hwy 421 Ste 107	22728 Hwy 421 Ste 107	Hyden	Leslie	KRADD	Low	Low	High	High	Moderate	Severe	Moderate
8610	Senior Citizens Bldg	Main St	Sandy Hook	Elliott	FIVCO	Low	Low	High	High	Moderate	High	Moderate
8632	UK Research Foundation	2130 P St NW St	Washington	Mason	BTADD	Low	Low	High	High	Low	Moderate	Moderate
8633	Good Samaritan Hospital (UK Healthcare)	310 S Limestone	Lexington	Fayette	LFUCG	Low	Severe	Severe	Severe	Low	High	High
8634	3290 Blazer Pkwy	3290 Blazer Pkwy	Lexington	Fayette	LFUCG	Low	High	High	High	Moderate	Moderate	Moderate



Building ID	Building Name	Address	City	County	Area Development District (ADD)/Local Hazard Mitigation Plan	Vulnerability Scores						
						Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire	Karst/Sinkhole
8648	121 Virginia Ave	121 Virginia Ave	Pineville	Bell	CVADD	Low	Low	High	High	High	Severe	High
8649	478 Town Mountain Rd Pikeville	478 Town Mountain Rd	Pikeville	Pike	BSADD	Low	Low	High	High	Moderate	Severe	Moderate
8650	59 Cowtown Rd	59 Cowtown Rd	Hindman	Knott	KRADD	Low	Low	High	High	Moderate	Severe	Moderate
8654	313 Central St Harlan, Ky	313 Central St	Harlan	Harlan	CVADD	Low	Low	High	High	Moderate	Severe	Moderate
8656	Greenup Co. Hlth Dept	US Hwy 23	Greenup	Greenup	FIVCO	Low	Low	High	Severe	High	High	High
8659	1101 Main St	1101 Main St	Benton	Marshall	PADD	Low	Severe	Severe	Severe	Moderate	High	Moderate
9000	Robinson Station Equip Floater	0	Jackson	Breathitt	KRADD	Low	Low	High	High	Low	Severe	Moderate
9001	House	176 Robinson Rd	Jackson	Breathitt	KRADD	Low	Low	Moderate	Moderate	Moderate	Severe	High
9002	Market Shelter	3215 Quicksand Rd	Jackson	Breathitt	KRADD	Low	Low	Low	Low	Moderate	Severe	Moderate
9003	Barn	176 Robinson Rd	Jackson	Breathitt	KRADD	Low	Low	Moderate	Moderate	Moderate	Severe	High
9004	Warehouse	176 Robinson Rd	Jackson	Breathitt	KRADD	Low	Low	Moderate	Moderate	Moderate	Severe	Moderate
9005	House Residence A #5	176 Robinson Rd	Jackson	Breathitt	KRADD	Low	Low	Moderate	Moderate	Moderate	Severe	Moderate
9006	Plant Mechanical Center	176 Robinson Rd	Jackson	Breathitt	KRADD	Low	Low	Low	Low	Moderate	Severe	Moderate
9007	House Dwelling #7	176 Robinson Rd	Jackson	Breathitt	KRADD	Low	Low	Moderate	Moderate	Moderate	Severe	Moderate
9008	House #8	176 Robinson Rd	Jackson	Breathitt	KRADD	Low	Low	Moderate	Moderate	Moderate	Severe	Moderate
9009	House Dwelling B #9	176 Robinson Rd	Jackson	Breathitt	KRADD	Low	Low	Moderate	Moderate	Moderate	Severe	Moderate
9010	Auditorium	176 Robinson Rd	Jackson	Breathitt	KRADD	Low	Low	Moderate	Moderate	Moderate	Severe	Moderate
9011	Storage Barn	176 Robinson Rd	Jackson	Breathitt	KRADD	Low	Low	Moderate	Moderate	Moderate	Severe	Moderate
9012	House Dwelling D #12	176 Robinson Rd	Jackson	Breathitt	KRADD	Low	Low	Moderate	Moderate	Moderate	Severe	Moderate
9013	Business Office	176 Robinson Rd	Jackson	Breathitt	KRADD	Low	Low	Low	Low	Moderate	Severe	Moderate
9014	Chemical Building	176 Robinson Rd	Jackson	Breathitt	KRADD	Low	Low	Low	Low	Moderate	Severe	Moderate
9015	Conservation Equipment Shed	176 Robinson Rd	Jackson	Breathitt	KRADD	Low	Low	Low	Low	Moderate	Severe	Moderate
9016	House Dwelling C #16	176 Robinson Rd	Jackson	Breathitt	KRADD	Low	Low	Moderate	Moderate	Moderate	Severe	Moderate
9017	Grain Bin & Shed	176 Robinson Rd	Jackson	Breathitt	KRADD	Low	Low	Low	Low	Moderate	Severe	Moderate
9018	Material Storage Cage	176 Robinson Rd	Jackson	Breathitt	KRADD	Low	Low	Low	Low	Moderate	Severe	Moderate
9019	Plant Mechanical Center Bay	176 Robinson Rd	Jackson	Breathitt	KRADD	Low	Low	Low	Low	Moderate	Severe	Moderate
9023	Administration Bldg	176 Robinson Rd	Jackson	Breathitt	KRADD	Low	Low	Moderate	Moderate	Moderate	Severe	Moderate
9033	Tobacco Barn	176 Robinson Rd	Jackson	Breathitt	KRADD	Low	Low	Low	Low	Moderate	Severe	Moderate
9034	Quicksand Agronomy Field Lab	176 Robinson Rd	Jackson	Breathitt	KRADD	Low	Low	Low	Low	Moderate	Severe	Moderate



Building ID	Building Name	Address	City	County	Area Development District (ADD)/Local Hazard Mitigation Plan	Vulnerability Scores						
						Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire	Karst/Sinkhole
9035	Greenhouse	176 Robinson Rd	Jackson	Breathitt	KRADD	Low	Low	Low	Low	Moderate	Severe	Moderate
9111	Kentucky State University Academic Service Bldg	275 E Main St	Frankfort	Franklin	BGADD	Low	High	High	High	High	High	High
9113	Morehead State University Ginger Hall	Winchester Ave	Morehead	Rowan	GWADD	Low	Low	High	High	Low	Severe	Moderate
9114	Morehead State University Reed Hall(2nd Floor)	Winchester Ave	Morehead	Rowan	GWADD	Low	Low	High	High	Low	Severe	Moderate
9116	Carl Perkins Rehabilitation Center	5659 Main St	Paintsville	Johnson	BSADD	Low	Low	High	High	High	Severe	High
9117	Pikeville College Community Technology Center	119 College St	Pikeville	Pike	BSADD	Low	Low	High	High	High	Severe	High
9118	Pikeville Technical College	120 South River Fill Dr	Pikeville	Pike	BSADD	Low	Low	High	High	High	Severe	High
9119	BSADD Community & Tech Coll-Johnson Adm Bldg	1 Bert Combs Dr	Prestonsburg	Floyd	BSADD	Low	Low	High	High	High	Severe	High
9120	Miller Information Technology Ctr, U of Louisville	Miller Information Technology Center	Louisville	Jefferson	Louisville Metro	Low	Moderate	High	High	Moderate	Moderate	Moderate
9121	School of Nursing and Allied Health, U of L	Building # 24 University of Louisville	Louisville	Jefferson	Louisville Metro	Low	Moderate	High	High	Low	Moderate	Moderate
9123	Cherry Hall, Western Kentucky University	0	Bowling Green	Warren	BRADD	Low	Moderate	High	High	Low	Moderate	Moderate
9124	Grise Hall, Western Kentucky University	0	Bowling Green	Warren	BRADD	Low	Moderate	High	High	Low	Moderate	Moderate
9125	Mass Media and Technology Hall	0	Bowling Green	Warren	BRADD	Low	Moderate	High	High	Low	Moderate	Moderate
9127	1101 S Limestone	1101 S Limestone	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	High
9205	Wood Utilization Center	176 Robinson Rd	Jackson	Breathitt	KRADD	Low	Low	Moderate	Moderate	Moderate	Severe	High
9206	Dry Kiln & Boiler	176 Robinson Rd	Jackson	Breathitt	KRADD	Low	Low	Moderate	Moderate	Moderate	Severe	Moderate
9215	Farm Office Trailer	176 Robinson Rd	Jackson	Breathitt	KRADD	Low	Low	High	High	High	Severe	High
9300	Robinson Forest Equip Floater	0	Clayhole	Breathitt	KRADD	Low	Low	High	High	Low	Severe	Moderate
9302	Dorm & Classroom	617 Clemens Fork Rd	Clayhole	Breathitt	KRADD	Low	Low	Moderate	Moderate	Low	Severe	Low
9303	Camp Residence	617 Clemens Fork Rd	Clayhole	Breathitt	KRADD	Low	Low	Moderate	Moderate	Low	Severe	Low
9304	Dorm	617 Clemens Fork Rd	Clayhole	Breathitt	KRADD	Low	Low	Moderate	Moderate	Low	Severe	Low
9305	Faculty Dorm	617 Clemens Fork Rd	Clayhole	Breathitt	KRADD	Low	Low	Moderate	Moderate	Low	Severe	Low
9306	Kitchen & Dining Hall	617 Clemens Fork Rd	Clayhole	Breathitt	KRADD	Low	Low	Low	Low	Low	Severe	Low
9309	Equipment Shed	617 Clemens Fork Rd	Clayhole	Breathitt	KRADD	Low	Low	Moderate	Moderate	Low	Severe	Low
9311	Pole Equipment Shed	617 Clemens Fork Rd	Clayhole	Breathitt	KRADD	Low	Low	Low	Low	Low	Severe	Low



Building ID	Building Name	Address	City	County	Area Development District (ADD)/Local Hazard Mitigation Plan	Vulnerability Scores						
						Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire	Karst/Sinkhole
9312	Large Sawmill	617 Clemens Fork Rd	Clayhole	Breathitt	KRADD	Low	Low	Low	Low	Low	Severe	Low
9314	Pump House	617 Clemens Fork Rd	Clayhole	Breathitt	KRADD	Low	Low	Low	Low	Low	Severe	Low
9315	Fire Tower	617 Clemens Fork Rd	Clayhole	Breathitt	KRADD	Low	Low	Low	Low	Low	Severe	Low
9316	Research Lab	617 Clemens Fork Rd	Clayhole	Breathitt	KRADD	Low	Low	Low	Low	Severe	Severe	Severe
9318	Caretakers Residence	617 Clemens Fork Rd	Clayhole	Breathitt	KRADD	Low	Low	Low	Low	Low	Severe	Low
9321	Bath House	617 Clemens Fork Rd	Clayhole	Breathitt	KRADD	Low	Low	Low	Low	Low	Severe	Low
9322	Gas Tank Shelter	617 Clemens Fork Rd	Clayhole	Breathitt	KRADD	Low	Low	Moderate	Moderate	Low	Severe	Low
9323	Bird Blind	619 Clemens Fork Rd	Clayhole	Breathitt	KRADD	Low	Low	Low	Low	Low	Severe	Low
9351	Kentucky Homeplace-Livingston Co.	502 Mill St	Smithland	Livingston	PeADD	Low	Severe	Severe	Severe	Moderate	Severe	Moderate
9352	Kentucky Homeplace-Graves Co.	620 South 6th St	Mayfield	Graves	PADD	Low	Severe	Severe	Severe	Low	Moderate	Low
9354	Kentucky Homeplace-Morgan Co.	151 University Dr Rm 312	West Liberty	Morgan	GWADD	Low	Low	Low	Moderate	Moderate	High	Moderate
9356	Kentucky Homeplace-Calloway Co.	602 Memory Ln	Murray	Calloway	PADD	Low	Severe	Severe	Severe	Moderate	Moderate	Moderate
9400	AGR Ext Muhlenberg County	3690 State Route 1380	Central City	Muhlenberg	PeADD	Low	Severe	Severe	Severe	Moderate	Severe	Moderate
9401	AGR Ext Nelson County	317 S. Third Street	Bardstown	Nelson	LTADD	Low	Moderate	High	High	Low	High	Moderate
9402	AGR Ext Nicholas County	368 East Main Street	Carlisle	Nicholas	BGADD	Low	High	High	High	High	High	High
9403	AGR Ext Ohio County	1337 Clay Street	Hartford	Ohio	GRADD	Low	Severe	Severe	High	High	Moderate	High
9404	AGR Ext Oldham County	1815 North Highway 393	LaGrange	Oldham	KIPDA	Low	High	High	High	Moderate	High	Moderate
9405	AGR Ext Owen County	265 Ellis Highway	Owenton	Owen	NKADD	Low	High	High	High	Low	Moderate	Moderate
9406	AGR Ext Owsley County	02 Industrial Park Road	Booneville	Owsley	KRADD	Low	Low	High	High	Moderate	High	Moderate
9407	AGR Ext Pendleton County	45 David Pribble Drive	Falmouth	Pendleton	NKADD	Low	High	High	High	Low	High	Moderate
9408	AGR Ext Perry County	933 Perry Park Road	Hazard	Perry	KRADD	Low	Low	High	High	High	Severe	High
9409	AGR Ext Pike County	148 Trivette Drive	Pikeville	Pike	BSADD	Low	Low	High	High	High	Moderate	High
9410	AGR Ext Powell County	169 Maple Street	Stanton	Powell	BGADD	Low	Low	High	High	High	Moderate	High
9411	AGR Ext Pulaski County	28 Parkway Drive	Somerset	Pulaski	LCADD	Low	Low	High	High	Low	High	Moderate
9412	AGR Ext Robertson County	Walnut Street	Mt. Olivet	Robertson	BTADD	Low	High	High	High	Low	Severe	Moderate
9413	AGR Ext Rockcastle County	1050 W. Main Street	Mt. Vernon	Rockcastle	CVADD	Low	Low	High	High	Low	High	Moderate
9414	AGR Ext Rowan County	627 East Main Street	Morehead	Rowan	GWADD	Low	Low	High	High	High	Severe	High



Building ID	Building Name	Address	City	County	Area Development District (ADD)/Local Hazard Mitigation Plan	Vulnerability Scores						
						Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire	Karst/Sinkhole
9415	AGR Ext Russell County	2688 S. Hwy. 127	Russell Springs	Russell	LCADD	Low	Moderate	High	High	Moderate	High	Moderate
9416	AGR Ext Scott County	1130 Cincinnati Road	Georgetown	Scott	BGADD	Low	High	High	High	Moderate	Moderate	Moderate
9417	AGR Ext Shelby County	1117 Frankfort Road	Shelbyville	Shelby	KIPDA	Low	High	High	High	Moderate	High	Moderate
9418	AGR Ext Simpson County	300 North Main Street	Franklin	Simpson	BRADD	Low	Severe	High	High	Low	Moderate	Moderate
9419	AGR Ext Spencer County	66 Spears Drive	Taylorsville	Spencer	KIPDA	Low	High	High	High	High	High	High
9420	AGR Ext Taylor County	1143 South Columbia Ave.	Campbellsville	Taylor	LCADD	Low	Moderate	High	High	Low	High	Moderate
9421	AGR Ext Todd County	Courthouse	Elkton	Todd	PeADD	Low	Severe	Severe	Severe	Low	High	Moderate
9422	AGR Ext Trigg County	Farm Bureau Building	Cadiz	Trigg	PeADD	Low	Severe	Severe	Severe	Moderate	High	Moderate
9423	AGR Ext Trimble County	43 High Country Lane	Bedford	Trimble	KIPDA	Low	High	High	High	Low	Severe	Moderate
9424	AGR Ext Union County	1938 US Hwy. 60 West	Morganfield	Union	GRADD	Low	Severe	Severe	Severe	Low	High	Moderate
9425	AGR Ext Warren County	3132 Nashville Road	Bowling Green	Warren	BRADD	Low	Moderate	High	High	Moderate	Moderate	Moderate
9427	AGR EXT Washington County	211 Progress Avenue	Springfield	Washington	LTADD	Low	High	High	High	Moderate	Moderate	Moderate
9429	AGR Ext Wayne County	255 Rolling Hills Blvd.	Monticello	Wayne	LCADD	Low	Low	High	High	Low	High	Moderate
9430	AGR Ext Webster County	1118 US Highway 41A South	Dixon	Webster	GRADD	Low	Severe	Severe	Severe	Low	Severe	Moderate
9431	AGR Ext Whitley County	4275 N. Highway 25 W.	Williamsburg	Whitley	CVADD	Low	Low	Severe	High	High	Severe	High
9432	AGR Ext Wolfe County	North Washington Street	Campton	Wolfe	KRADD	Low	Low	High	High	Moderate	Severe	Moderate
9433	AGR Ext Woodford County	184 Beasley Road	Versailles	Woodford	BGADD	Low	High	High	High	Low	Moderate	Moderate
9486	Polk Dalton Family Care Clinic	1135 Red Mile Place	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Low
9487	Coldstream Center	1500 Bull Lea Rd Suite 100	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Moderate	Low	Moderate
9489	342 Waller Ave	342 Waller Ave	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Low
9492	Hazard Medical Arts Building	243 Roy Campbell Dr	Hazard	Perry	KRADD	Low	Low	Low	Moderate	Low	High	Low
9493	Kentucky Homeplace-Clay Co.	105 Main St	Manchester	Clay	CVADD	Low	Low	Low	Low	Low	Severe	Low
9494	Powell County Clinic	68 East Elkins St	Stanton	Powell	BGADD	Low	Low	High	High	Moderate	Severe	Moderate
9501	Boat Dock	17575 Hwy. 196	Nancy	Pulaski	LCADD	Low	Low	Low	Moderate	Low	Severe	Low
9502	Dining Hall & Kitchen	17575 Hwy. 196	Nancy	Pulaski	LCADD	Low	Low	Moderate	Moderate	Low	Severe	Low
9503	Cabin #1	17575 Hwy. 196	Nancy	Pulaski	LCADD	Low	Low	Low	Moderate	Low	Severe	Low

Risk Assessment



Building ID	Building Name	Address	City	County	Area Development District (ADD)/Local Hazard Mitigation Plan	Vulnerability Scores						
						Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire	Karst/Sinkhole
9504	Cabin #2	17575 Hwy. 196	Nancy	Pulaski	LCADD	Low	Low	Low	Moderate	Low	Severe	Low
9505	Cabin #3	17575 Hwy. 196	Nancy	Pulaski	LCADD	Low	Low	Low	Moderate	Low	Severe	Low
9506	Cabin #4	17575 Hwy. 196	Nancy	Pulaski	LCADD	Low	Low	Low	Moderate	Low	Severe	Low
9507	Cabin #5	17575 Hwy. 196	Nancy	Pulaski	LCADD	Low	Low	Low	Moderate	Low	Severe	Low
9508	Cabin #6	17575 Hwy. 196	Nancy	Pulaski	LCADD	Low	Low	Low	Moderate	Low	Severe	Low
9509	Cabin #7	17575 Hwy. 196	Nancy	Pulaski	LCADD	Low	Low	Low	Moderate	Low	Severe	Low
9510	Cabin #8	17575 Hwy. 196	Nancy	Pulaski	LCADD	Low	Low	Low	Moderate	Low	Severe	Low
9511	Cabin #9	17575 Hwy. 196	Nancy	Pulaski	LCADD	Low	Low	Low	Moderate	Low	Severe	Low
9512	Cabin #10	17575 Hwy. 196	Nancy	Pulaski	LCADD	Low	Low	Moderate	Moderate	Low	Severe	Low
9513	Cabin #11	17575 Hwy. 196	Nancy	Pulaski	LCADD	Low	Low	Moderate	Moderate	Low	Severe	Low
9514	Cabin #12	17575 Hwy. 196	Nancy	Pulaski	LCADD	Low	Low	Moderate	Moderate	Low	Severe	Low
9515	Cabin #13	17575 Hwy. 196	Nancy	Pulaski	LCADD	Low	Low	Moderate	Moderate	Low	Severe	Low
9516	Health Center	17575 Hwy. 196	Nancy	Pulaski	LCADD	Low	Low	Low	Moderate	Low	Severe	Low
9517	Maintenance Storage Trailer	17500 Hwy. 196	Nancy	Pulaski	LCADD	Low	Low	Low	Moderate	Low	Severe	Low
9518	Sewage Treatment Plant	17500 Hwy. 196	Nancy	Pulaski	LCADD	Low	Low	Low	Moderate	Low	Severe	Low
9519	Shotgun Shelter	17500 Hwy. 196	Nancy	Pulaski	LCADD	Low	Low	Low	Moderate	Low	Severe	Low
9520	Bath House	17575 Hwy. 196	Nancy	Pulaski	LCADD	Low	Low	Moderate	Moderate	Low	Severe	Low
9521	Swimming Pool	17575 Hwy. 196	Nancy	Pulaski	LCADD	Low	Low	Low	Moderate	Low	Severe	Low
9522	Staff Trailer #1	17500 Hwy. 196	Nancy	Pulaski	LCADD	Low	Low	Low	Moderate	Low	Severe	Low
9523	Archery Shelter	17500 Hwy. 196	Nancy	Pulaski	LCADD	Low	Low	Low	Moderate	Low	Severe	Low
9524	Bird Blind	17500 Hwy. 196	Nancy	Pulaski	LCADD	Low	Low	Low	Moderate	Low	Severe	Low
9525	Modular Bldg/Nature & Crafts	17575 Hwy. 196	Nancy	Pulaski	LCADD	Low	Low	Moderate	Moderate	Low	Severe	Low
9526	Black Powder Shelter	17500 Hwy. 196	Nancy	Pulaski	LCADD	Low	Low	Low	Moderate	Low	Severe	Low
9527	Shop	17575 Hwy. 196	Nancy	Pulaski	LCADD	Low	Low	Moderate	High	Low	Severe	Low
9528	Shelter House	17575 Hwy. 196	Nancy	Pulaski	LCADD	Low	Low	Moderate	Moderate	Low	Severe	Low
9529	Sewer Plant Storage	17500 Hwy. 196	Nancy	Pulaski	LCADD	Low	Low	Low	Moderate	Low	Severe	Low
9530	Cabin #14	17575 Hwy. 196	Nancy	Pulaski	LCADD	Low	Low	Moderate	Moderate	Low	Severe	Low
9531	Cabin #15	17575 Hwy. 196	Nancy	Pulaski	LCADD	Low	Low	Moderate	Moderate	Low	Severe	Low
9532	Country Store	17575 Hwy. 196	Nancy	Pulaski	LCADD	Low	Low	Moderate	Moderate	Low	Severe	Low
9533	Emergency Storm Shelter #1	17575 Hwy. 196	Nancy	Pulaski	LCADD	Low	Low	Moderate	Moderate	Low	Severe	Low



Building ID	Building Name	Address	City	County	Area Development District (ADD)/Local Hazard Mitigation Plan	Vulnerability Scores						
						Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire	Karst/Sinkhole
9534	Emergency Storm Shelter #2	17575 Hwy. 196	Nancy	Pulaski	LCADD	Low	Low	Moderate	Moderate	Low	Severe	Low
9535	Archery Storage	17500 Hwy. 196	Nancy	Pulaski	LCADD	Low	Low	Low	Moderate	Low	Severe	Low
9537	Pistol Shelter	17500 Hwy. 196	Nancy	Pulaski	LCADD	Low	Low	Low	Moderate	Low	Severe	Low
9538	Ky Leadership Center	17575 Hwy. 196	Nancy	Pulaski	LCADD	Low	Low	High	High	Low	Severe	Moderate
9541	Outpost #1	17575 Hwy. 196	Nancy	Pulaski	LCADD	Low	Low	Low	Moderate	Low	Severe	Low
9542	Outpost #2	17575 Hwy. 196	Nancy	Pulaski	LCADD	Low	Low	Low	Moderate	Low	Severe	Low
9545	Amphitheatre Stage	17575 Hwy. 196	Nancy	Pulaski	LCADD	Low	Low	High	High	Low	Severe	Moderate
9548	Riflery	17575 Hwy. 196	Nancy	Pulaski	LCADD	Low	Low	Low	Moderate	Low	Severe	Low
9549	KY Leadership MGR House	17575 Hwy. 196	Nancy	Pulaski	LCADD	Low	Low	Low	Moderate	Low	Severe	Low
9551	Greenhouse	17575 Hwy. 196	Nancy	Pulaski	LCADD	Low	Low	Low	Moderate	Low	Severe	Low
9552	Outside Storage	17575 Hwy. 196	Nancy	Pulaski	LCADD	Low	Low	Low	Moderate	Low	Severe	Low
9612	AGR Ext Adair County	409 Fairground Street	Columbia	Adair	LCADD	Low	Moderate	High	High	Moderate	High	High
9613	AGR Ext Allen County	200 East Main Street	Scottsville	Allen	BRADD	Low	Moderate	High	High	Low	High	Moderate
9614	AGR Ext Anderson County	1026 County Park Road	Lawrenceburg	Anderson	BGADD	Low	High	High	High	Moderate	Moderate	Moderate
9615	AGR Ext Ballard County	110 Broadway	La Center	Ballard	PADD	Low	Severe	Severe	Severe	Low	Moderate	Moderate
9616	AGR Ext Barren County	1463 West Main Street	Glasgow	Barren	BRADD	Low	Moderate	High	High	Low	High	Moderate
9617	AGR Ext Bath County	2914 East Highway 60	Owingsville	Bath	GWADD	Low	High	High	High	Low	Severe	Moderate
9618	AGR Ext Bell County	101 Courthouse Square	Pineville	Bell	CVADD	Low	Low	High	High	High	Severe	High
9619	AGR Ext Boone County	6028 Camp Ernst Road	Burlington	Boone	NKADD	Low	High	High	High	Low	Moderate	Moderate
9620	AGR Ext Bourbon County	603 Millersburg Road	Paris	Bourbon	BGADD	Low	High	High	High	Moderate	Moderate	Moderate
9621	AGR Ext Boyd County	2420 Center Street	Cattlettsburg	Boyd	FIVCO	Low	Low	High	Severe	High	Moderate	High
9622	AGR Ext Boyle County	99 Corporate Drive	Danville	Boyle	BGADD	Low	High	High	High	Moderate	Moderate	Moderate
9623	AGR Ext Bracken County	1120 Brooksville-Germantown Road	Brooksville	Bracken	BTADD	Low	High	High	High	Low	High	Moderate
9624	AGR Ext Breathitt County	1155 Main Street	Jackson	Breathitt	KRADD	Low	Low	High	High	High	Severe	High
9625	AGR Ext Breckinridge County	1377 Highway 261 South	Hardinsburg	Breckinridge	LTADD	Low	Moderate	High	High	Moderate	Moderate	Moderate
9626	AGR Ext Bullitt County	384 Halls Lane	Shepherdsville	Bullitt	KIPDA	Low	Moderate	High	High	High	Severe	High



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						Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire	Karst/Sinkhole
9627	AGR Ext Butler County	112 E GL Smith Street	Morgantown	Union	GRADD	Low	Moderate	Severe	High	High	High	High
9628	AGR Ext Caldwell County	1025 US Hwy. 62W	Princeton	Caldwell	PeADD	Low	Severe	Severe	Severe	Moderate	High	Moderate
9629	AGR Ext Calloway County	310 S. Fourth Street	Murray	Calloway	PADD	Low	Severe	Severe	Severe	Moderate	High	Moderate
9630	AGR Ext Campbell County	3500 Alexandria Pike	Highland Heights	Campbell	NKADD	Low	High	High	High	Low	Moderate	Moderate
9631	AGR Ext Carlisle County	Kelley Building (US Hwy 51 S. & KY 123 W.)	Bardwell	Carlisle	PADD	Low	Severe	Severe	Severe	Moderate	High	Moderate
9632	AGR Ext Carroll County	500 Floyd Drive	Carrollton	Carroll	NKADD	Low	High	High	High	Moderate	Moderate	Moderate
9633	AGR Ext Carter County	94 Fairground Drive	Grayson	Carter	FIVCO	Low	Low	High	Severe	High	High	High
9634	AGR Ext Casey County	1517 S. Wallace Wilkinson Blvd.	Liberty	Casey	LCADD	Low	Moderate	High	High	High	High	High
9635	AGR Ext Christian County	2850 Pembroke Road	Hopkinsville	Christian	PeADD	Low	Severe	Severe	Severe	Low	Moderate	Moderate
9636	AGR Ext Clark County	1400 Fortune Drive	Winchester	Clark	KIPDA	Low	High	High	High	Moderate	Moderate	Moderate
9637	AGR Ext Clay County	69 Jameson Road	Manchester	Clay	CVADD	Low	Low	High	High	Moderate	Severe	Moderate
9638	AGR Ext Clinton County	2601 North Highway 127	Albany	Clinton	LCADD	Low	Moderate	High	High	Moderate	Severe	Moderate
9639	AGR Ext Crittenden County	1534 US Highway 60 East	Marion	Crittenden	PeADD	Low	Severe	Severe	Severe	Moderate	High	Moderate
9640	AGR Ext Cumberland County	90 Smith Grove Road, Burkesville	Burksville	Cumberland	LCADD	Low	Moderate	High	High	Moderate	High	Moderate
9641	AGR Ext Daviess County	4800A New Hartford Road	Owensboro	Daviess	GRADD	Low	Severe	Severe	Severe	Moderate	Moderate	Moderate
9642	AGR Ext Edmonson County	116 Mohawk Street	Brownsville	Edmonson	BRADD	Low	Moderate	High	High	Moderate	Severe	Moderate
9643	AGR Ext Elliott County	HC 81, Box 483	Sandy Hook	Elliott	FIVCO	Low	Low	High	High	Moderate	High	Moderate
9644	AGR Ext Estill County	76 Golden Court	Irvine	Estill	BGADD	Low	Low	High	High	Moderate	Severe	Moderate
9645	AGR Ext Fayette County	1140 Red Mile Place	Lexington	Fayette	LFUCG	Low	High	High	High	Moderate	Moderate	Moderate
9646	AGR Ext Fleming County	1384 Elizaville Road	Flemingsburg	Fleming	BTADD	Low	High	High	High	Low	Moderate	Moderate
9647	AGR Ext Floyd County	921 South Lake Drive	Prestonsburg	Floyd	BSADD	Low	Low	High	High	High	Severe	High
9648	AGR Ext Franklin County	101 Lakeview Court	Frankfort	Franklin	BGADD	Low	High	High	High	Low	Moderate	Moderate
9649	AGR Ext Fulton County	2114 South Seventh Street	Hickman	Fulton	PADD	Low	Severe	Severe	Severe	Low	Severe	Moderate
9650	AGR Ext Gallatin County	US 42 West	Warsaw	Gallatin	NKADD	Low	High	High	High	High	Moderate	High



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9651	AGR Ext Garrard County	1302 Stanford Road	Lancaster	Garrard	BGADD	Low	High	High	High	Low	Moderate	Moderate
9652	AGR Ext Grant County	105 Baton Rouge Road	Williamstown	Grant & Pendleton	NKADD	Low	High	High	High	Low	High	Moderate
9653	AGR Ext Graves County	251 Housman Street	Mayfield	Graves	PADD	Low	Severe	Severe	Severe	Moderate	High	Moderate
9654	AGR Ext Grayson County	123 Commerce Drive	Leitchfield	Grayson	LTADD	Low	Moderate	High	High	Moderate	High	Moderate
9655	AGR Ext Green County	298 Happyville Road	Greensburg	Green	LCADD	Low	Moderate	High	Severe	Low	High	Moderate
9656	AGR Ext Greenup County	35 Wurtland Avenue	Wurtland	Greenup	FIVCO	Low	Low	High	Severe	Severe	High	Severe
9657	AGR Ext Hancock County	1605 US Highway 60 West	Hawesville	Hancock	GRADD	Low	Severe	High	High	Low	Severe	Moderate
9658	AGR Ext Hardin County	201 Peterson Drive	Elizabethtown	Hardin	LTADD	Low	Moderate	High	High	High	High	High
9659	AGR Ext Harlan County	519 S. Main Street	Harlan	Harlan	CVADD	Low	Low	High	High	High	Severe	High
9660	AGR Ext Harrison County	668 New Lair Road	Cynthiana	Harrison	BGADD	Low	High	High	High	Moderate	Moderate	Moderate
9661	AGR Ext Hart County	505 A.A. Whitman Lane	Munfordville	Hart	BRADD	Low	Moderate	High	High	Low	High	Moderate
9662	AGR Ext Henderson County	3341 Zion Road	Henderson	Henderson	GRADD	Low	Severe	Severe	Severe	Moderate	Moderate	Moderate
9663	AGR Ext Henry County	Highway 421	New Castle	Henry	KIPDA	Low	High	High	High	Moderate	Moderate	Moderate
9664	AGR Ext Hickman County	116 S. Jefferson, Courthouse Square	Clinton	Hickman	PADD	Low	Severe	Severe	Severe	Moderate	High	Moderate
9665	AGR Ext Hopkins County	75 Cornwall Drive	Madisonville	Hopkins	PeADD	Low	Severe	Severe	Severe	Moderate	High	Moderate
9666	AGR Ext Jackson County	263 US Highway 421 South	McKee	Jackson	CVADD	Low	Low	High	High	Moderate	Severe	Moderate
9667	AGR Ext Jefferson County	810 Barret Avenue	Louisville	Jefferson	Louisville Metro	Low	Moderate	High	High	High	Moderate	High
9668	AGR Ext Jessamine County	95 Park Drive	Nicholasville	Jessamine	BGADD	Low	High	High	High	Low	Moderate	Moderate
9669	AGR Ext Johnson County	826 F.M. Stafford Avenue	Paintsville	Johnson	BSADD	Low	Low	High	High	High	Severe	High
9670	AGR Ext Kenton County	10990 Marshall Road	Covington	Kenton	NKADD	Low	High	High	High	Low	High	Moderate
9671	AGR Ext Knott County	149 Parks Branch Road	Hindman	Knott	KRADD	Low	Low	High	High	Low	Severe	Moderate
9672	AGR Ext Knox County	215 Truehaft Blvd., Suite 7	Barbourville	Knox	CVADD	Low	Low	Severe	High	High	Severe	High
9673	AGR Ext Larue County	807 Old Elizabethtown Road	Hodgenville	LaRue	LTADD	Low	Moderate	High	High	Moderate	Moderate	Moderate
9674	AGR Ext Laurel County	200 County Extension Road	London	Laurel	CVADD	Low	Low	High	High	Moderate	Moderate	Moderate



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9675	AGR Ext Lawrence County	249 Industrial Park Road	Louisa	Lawrence	FIVCO	Low	Low	High	Severe	Moderate	High	Moderate
9676	AGR Ext Lee County	500 Happy Top Road	Beattyville	Lee	KRADD	Low	Low	High	High	Moderate	Severe	Moderate
9677	AGR Ext Leslie County	22045 Main Street (514)	Hyden	Leslie	KRADD	Low	Low	High	High	High	Severe	High
9678	AGR Ext Letcher County	478 Extension Drive	Whitesburg	Letcher	KRADD	Low	Low	High	High	High	High	High
9679	AGR Ext Lewis County	284 Second Street	Vanceburg	Lewis	BTADD	Low	Low	High	High	High	Severe	High
9680	AGR Ext Lincoln County	104 Metker Trail	Stanford	Lincoln	BGADD	Low	High	High	High	Moderate	Moderate	Moderate
9681	AGR Ext Livingston County	Wilson Avenue	Smithland	Livingston	PeADD	Low	Severe	Severe	Severe	High	Severe	High
9682	AGR Ext Logan County	255 John Paul Road	Russellville	Logan	BRADD	Low	Severe	High	High	High	Moderate	High
9683	AGR Ext Logan County	231 West Main Street	Eddyville	Lyon	PeADD	Low	Severe	Severe	Severe	High	Severe	High
9684	AGR Ext Madison County	230 Duncannon Lane	Richmond	Madison	BGADD	Low	High	High	High	Low	High	Moderate
9685	AGR Ext Magoffin County	15 Rockhouse Fork Road	Salersville	Magoffin	BSADD	Low	Low	High	High	Moderate	Severe	Moderate
9686	AGR Ext Marion County	416 Fairgrounds Road	Lebanon	Marion	LTADD	Low	Moderate	High	High	Moderate	High	Moderate
9687	AGR Ext Marshall County	1933 Mayfield Highway	Benton	Marshall	PADD	Low	Severe	Severe	Severe	Moderate	High	Moderate
9688	AGR Ext Martin County	9 Holy Street	Inez	Martin	BSADD	Low	Low	High	High	Moderate	Severe	Moderate
9689	AGR Ext Mason County	800 US 68	Maysville	Mason	BTADD	Low	High	High	High	Moderate	Severe	Moderate
9690	AGR Ext McCracken County	2705 Olivet Church Road	Paducah	McCracken	PADD	Low	Severe	Severe	Severe	Low	High	Moderate
9691	AGR Ext McCreary County	McCreary Campus, Somerset Com College	Whitley City	McCreary	LCADD	Low	Low	High	High	Low	Severe	Moderate
9692	AGR Ext McLean County	335 W. 7th Street	Calhoun	McLean	GRADD	Low	Severe	Severe	Severe	Moderate	High	Moderate
9693	AGR Ext Meade County	1041 Old Ekron Road	Brandenburg	Meade	LTADD	Low	Moderate	High	High	Low	High	Moderate
9694	AGR Ext Menefee County	140 Main Street	Frenchburg	Menifee	GWADD	Low	Low	High	High	Moderate	Severe	Moderate
9695	AGR Ext Mercer County	1007 Lexington Road	Harrodsburg	Mercer	BGADD	Low	High	High	High	Low	Moderate	Moderate
9696	AGR Ext Metcalfe County	422 East Street	Edmonton	Metcalfe	BRADD	Low	Moderate	High	High	Moderate	High	Moderate
9697	AGR Ext Monroe County	1194 Columbia Avenue	Tompkinsville	Monroe	BRADD	Low	Moderate	High	High	Moderate	Severe	Moderate
9698	AGR Ext Montgomery County	106 East Locust Street	Mt. Sterling	Montgomery	GWADD	Low	High	High	High	Moderate	Moderate	Moderate
9699	AGR Ext Morgan County	1009 Highway 172	West Liberty	Morgan	GWADD	Low	Low	High	High	Low	Severe	Moderate



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9733	Professional Arts Center (Samaritan)	135 E Maxwell St	Lexington	Fayette	LFUCG	Low	High	High	High	Low	Moderate	Moderate
9762	Ashley Place	811 Main St	Morgantown	Union	GRADD	Low	Moderate	Severe	High	Severe	High	Severe
9776	Wolf County Courthouse	Main St	Campton	Wolfe	KRADD	Low	Low	High	High	Moderate	High	Moderate
9801	Windstream Bldg.	0				Low	Moderate	Low	Low	Low	Low	Low
9803	1830 Destiny Ln #107	1830 Destiny Ln #107	Bowling Green	Warren	BRADD	Low	Moderate	High	High	Moderate	Moderate	Moderate
9804	Literacy Center (College of Ed)	120 Quinton Ct	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Low
9805	UK Healthcare - Georgetown	202 Bevins Lane	Georgetown	Scott	BGADD	Low	Moderate	Low	Low	Moderate	Low	Moderate
9806	Center for Health Education and Research	316 W Sun St.	Morehead	Rowan	GWADD	Low	Low	High	High	High	Moderate	High
9807	ARH Medical Mall	210 Black Gold Blvd.	Hazard	Perry	KRADD	Low	Low	Low	Moderate	Low	Severe	Low
9808	1152 Lexington Rd	1152 Lexington Rd	Georgetown	Scott	BGADD	Low	Moderate	Low	Low	Low	Low	Low
9810	Doctor's Office Park	1517 Nicholasville Rd	Lexington	Fayette	LFUCG	Low	High	High	High	Low	Moderate	High
9812	UK Federal Credit Union	1080 Export St	Lexington	Fayette	LFUCG	Low	High	High	High	Moderate	Moderate	Moderate
9813	Child Development Center of the BGADD, Inc.	290 Alumni Dr	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	High	Low
9814	UK Morehead OB/GYN	555 W. Sun St	Morehead	Rowan	GWADD	Low	Low	Moderate	Moderate	Moderate	Moderate	High
9815	Dan A. Martin Dental Clinic	412 N. Kentucky Ave	Madisonville	Hopkins	PeADD	Low	Severe	High	Severe	Low	Low	Low
9816	Royal Lexington (Lease)	695 Winnie St	Lexington	Fayette	LFUCG	Low	Moderate	Moderate	Moderate	Low	Low	High
9817	Western KY Dental	0				Low	Moderate	Low	Low	Low	Low	Low
9820	Jessamine Eye Center	100 John Sutherland Dr	Nicholasville	Jessamine	BGADD	Low	Moderate	Low	Low	Low	Low	Low
9822	245 Fountain Court	245 Fountain Court	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Low
9823	UKHealthCare EYE Center Richmond	920 Barnes Mill Rd, Ste D	Richmond	Madison	BGADD	Low	Moderate	Low	Low	Low	Low	Low
9825	Coldstream CIE	1648 McGrathiana STE #50	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Moderate	Low	Moderate
9829	UK KY Clinic, Morehead	228 W. 2nd Street	Morehead	Rowan	GWADD	Low	Low	Moderate	Moderate	Moderate	Moderate	High
9831	845 Red Mile Rd (University Trails)	845 Red Mile Rd	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Low
9833	Audubon Medical Plaza East	3 Audubon Plaza, Ste 150	Louisville	Jefferson	Louisville Metro	Low	Moderate	Low	Moderate	Low	Moderate	Low
9835	Appalachian Heart Center	200 Medical Center Dr.	Hazard	Perry	KRADD	Low	Low	Moderate	High	Low	High	Low
9836	Maysville Cancer Treatment Center	1115 Progress Way	Maysville	Mason	BTADD	Low	Moderate	Low	Moderate	Low	Low	Low
9837	Appalachian Heart Center	90 Ball Park Rd	Harlan	Harlan	CVADD	Low	Low	High	High	High	Severe	High



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9838	Residential Medical Research	1401 Nicholasville Rd	Lexington	Fayette	LFUCG	Low	High	High	High	Low	Moderate	High
9839	Turfland Clinic	2195 Harrodsburg Rd	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Low
9840	615 N Mulberry	615 N Mulberry	Elizabethtown	Hardin	LTADD	Low	Moderate	High	High	Moderate	High	Moderate
9841	151 University Dr, Morehead, KY	151 University Dr	Morehead	Rowan	GWADD	Low	Low	Moderate	Moderate	Moderate	High	Moderate
9844	KY Clinic South	2400 Greatstone Pt	Lexington	Fayette	LFUCG	Low	High	High	High	Low	Moderate	Moderate
9845	Interdisciplinary Human Development Institute	1525 Bull Lea Rd	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Moderate	Low	Moderate
9847	Polk Dalton Clinic	217 Elm Tree Ln	Lexington	Fayette	LFUCG	Low	High	High	High	Low	Moderate	Moderate
9852	Sanders Brown Center on Aging	1030 S Broadway, Suites 5-6	Lexington	Fayette	LFUCG	Low	High	High	High	Moderate	Moderate	Moderate
9853	Shriners Hospitals for Children Medical Center - Lexington	110 Conn Ter	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	High
9854	Anthropology Research Building	1020 Export St	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	High
9855	Offices (Dental Public Health)	333 Waller Ave	Lexington	Fayette	LFUCG	Low	High	High	High	Moderate	Moderate	Moderate
9857	Commerce Lexington	330 E Main St	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Low
9860	601 Chamberlain Ave	601 Chamberlain Ave	Frankfort	Franklin	BGADD	Low	High	High	High	High	High	High
9861	845 Angliana Ave	845 Angliana Ave	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Low
9862	2317 Alumni Park Plaza	2317 Alumni Park Plaza	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Moderate	Low	Moderate
9880	BGADD Station	5751 Briar Hill Rd	Lexington	Fayette	LFUCG	Low	High	High	High	Moderate	Moderate	Moderate
9892	OCSS at Simpson Center	1080 S Broadway STE 106	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Low
9894	465 E. High St. Lexington	465 E High St	Lexington	Fayette	LFUCG	Low	High	High	High	Low	Moderate	Moderate
9897	2347 Sterlington Rd	2347 Sterlington Rd	Lexington	Fayette	LFUCG	Low	High	High	High	Moderate	Moderate	Moderate
9898	2850 Penbroke Rd	2850 Penbroke Rd	Hopkinsville	Christian	PeADD	Low	Severe	Severe	Severe	Low	Moderate	Moderate
9900	KSP Crime Lab	100 Sower Blvd	Frankfort	Franklin	BGADD	Low	High	High	High	Moderate	High	Moderate
9902	Fulton Health Department	350 Browder St	Fulton	Fulton	PADD	Low	Severe	Severe	Severe	Moderate	Moderate	Moderate
9903	Trover Clinic	605 S. Jefferson St	Princeton	Caldwell	PeADD	Low	Severe	Severe	Severe	Low	Low	Low
9904	Breathitt County Homeplace	1154 Main St	Jackson	Breathitt	KRADD	Low	Low	Low	Low	Moderate	Severe	High
9906	Lee County Homeplace	120 Main St	Beattyville	Lee	KRADD	Low	Low	Low	Low	High	Severe	High



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						Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire	Karst/Sinkhole
9907	Heuser Hearing Institute	111-117 E Kentucky St	Louisville	Jefferson	Louisville Metro	Low	Moderate	Low	Moderate	Low	Low	Low
9909	Johnson Co. Rec/Comm Center Paintsville, KY	232 Preston St	Paintsville	Johnson	BSADD	Low	Low	High	High	Severe	High	Severe
9910	Salvation Army	736 W Main St	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Moderate	Low	Moderate
9911	Edythe Hayes Middle School	264 Richardson Place	Lexington	Fayette	LFUCG	Low	High	High	High	Low	Moderate	Moderate
9912	108 Bulldog Ln, Rm 16	108 Bulldog Ln, Rm 16	Louisa	Lawrence	FIVCO	Low	Low	High	Severe	Moderate	Moderate	Moderate
9913	UK Healthcare Sports Medicine	601 Perimeter Drive	Lexington	Fayette	LFUCG	Low	High	High	High	Moderate	Moderate	Moderate
9914	Magoffin Co. Health Dept.	132 East Mountain Pkwy	Salersville	Magoffin	BSADD	Low	Low	Low	Low	Moderate	Severe	Moderate
9916	Lotts Creek Community School	5837 Lotts Creek Rd.	Hazard	Perry	KRADD	Low	Low	Low	Low	Low	Severe	Low
9919	Commonwealth Office of Technology	101 Cold Harbor Dr	Frankfort	Franklin	BGADD	Low	Moderate	Low	Low	Moderate	High	Moderate
9921	(new) Eastern State Hospital	1350 Bull Lea Rd	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Low
9922	343 Waller Ave	343 Waller Ave	Lexington	Fayette	LFUCG	Low	High	High	High	Moderate	Moderate	Moderate
9923	Eastern State Hospital Central Plant	1342 Bull Lea Rd.	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Low
9924	Best Practice Family Health	1358 Watergap Rd	Prestonsburg	Floyd	BSADD	Low	Low	Low	Low	Moderate	Severe	Moderate
9925	Alpha Phi Sorority	417 Columbia Ave	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	High	Low	Severe
9926	UK Golf Practice Facility	4850 Leestown Rd	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Low
9930	KY Homeplace-Carter Co.	101 Fraley-Miller Plaza Ste B	Grayson	Carter	FIVCO	Low	Low	Moderate	Severe	Low	High	Low
9931	1105 Julianna Ct	1105 Julianna Ct	Elizabethtown	Hardin	LTADD	Low	Moderate	High	High	Moderate	Moderate	Moderate
9932	Knox County Homeplace	320 Hight St	Barbourville	Knox	CVADD	Low	Low	High	Moderate	High	Low	High
9933	233-299 E Main St	233-299 E Main St	Morehead	Rowan	GWADD	Low	Low	High	High	High	Severe	High
9936	Eastern State Hospital Central KY Recovery Center #1	1358 Bull Lea Rd	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Moderate	Low	Moderate
9937	Eastern State Hospital Central KY Recovery Center #2	1366 Bull Lea Rd.	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Moderate	Low	Moderate
9938	Eastern State Hospital Central KY Recovery Center #3	1374 Bull Lea Rd.	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Moderate	Low	Moderate
9939	Eastern State Hospital Central KY Recovery Center #4	1382 Bull Lea Rd.	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Moderate	Low	Moderate
9941	3470 Blazer Parkway	3470 Blazer Parkway	Lexington	Fayette	LFUCG	Low	High	High	High	Moderate	Moderate	Moderate
9947	2355 Huguenard Dr	2355 Huguenard Dr	Lexington	Fayette	LFUCG	Low	High	High	High	Moderate	Moderate	Moderate



Building ID	Building Name	Address	City	County	Area Development District (ADD)/Local Hazard Mitigation Plan	Vulnerability Scores						
						Dam Failure	Drought	Earthquake	Extreme Temperature	Flood	Forest Fire	Karst/Sinkhole
9949	Cardinal Hill Hospital	2050 Versailles Rd	Lexington	Fayette	LFUCG	Low	High	High	High	Moderate	High	Moderate
9953	2365 Harrodsburg Rd	2365 Harrodsburg Rd	Lexington	Fayette	LFUCG	Low	High	High	High	Low	Moderate	Moderate
9954	Crounse Building	4810 Alben Barkley Dr	Paducah	McCracken	PADD	Low	Severe	Severe	Severe	Moderate	High	Moderate
9957	Centralized Laboratory	100 Sower Blvd	Frankfort	Franklin	BGADD	Low	High	High	High	Moderate	High	Moderate
9958	Family Ties Resource	0	0			Low	High	High	High	Moderate	Moderate	Moderate
9961	Old Sullivan College,LCC-S	2659 Regency Rd	Lexington	Fayette	LFUCG	Low	High	High	High	Low	Moderate	Moderate
9962	Bourbon Medical Center	0	0			Low	High	High	High	Moderate	Moderate	Moderate
9970	Henderson CC Admin Bldg	0	0			Low	High	High	High	Moderate	Moderate	Moderate
9977	Ashland Technical College	0	0			Low	High	High	High	Moderate	Moderate	Moderate
9978	206 1st St	206 1st St	Morehead	Rowan	GWADD	Low	Low	High	High	High	Moderate	High
9979	LCC Winchester-Clark County Campus	36 Wheeler Ave	Winchester	Clark	KIPDA	Low	High	High	High	Low	Moderate	Moderate
9980	2900 Cofer Rd	2900 Cofer Rd	Richmond	Madison	BGADD	Low	Low	High	High	Low	Moderate	Moderate
9982	176 Pasadena Dr	176 Pasadena Dr	Lexington	Fayette	LFUCG	Low	High	High	High	Moderate	Moderate	Moderate
9983	College of Medicine Building	138 Leader Ave	Lexington	Fayette	LFUCG	Low	High	High	High	Low	Moderate	High
9984	KMSF	2333 Alumni Park Plaza	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Moderate	Low	Low
9987	Stor All Man O&E™ War	2750 Palumbo Dr, Unit# 948	Lexington	Fayette	LFUCG	Low	Moderate	Low	Low	Low	Low	Low
9992	Central Baptist, Building C	1760 Nicholasville Rd	Lexington	Fayette	LFUCG	Low	High	High	High	Moderate	High	Moderate
9997	Rock of Ages	771 W Main St	Lexington	Fayette	LFUCG	Low	High	High	High	Moderate	Moderate	High
9998	413 Main St Hazard, KY	413 Main St	Hazard	Perry	KRADD	Low	Low	High	High	High	High	High



Appendix 12 Prioritization and Benefit-Cost of Mitigation Actions

Mitigation action prioritization emphasizes the extent to which benefits are maximized, according to a review of the proposed projects and their associated costs. Through the Benefit-Cost Prioritization Matrix, the higher the action's benefit, and the lower the cost, the more cost beneficial and higher priority the action was determined to be for the community.

First, the benefit scale is as follows:

- Very High, permanently eliminate
- High, reduce the probability
- Medium, warn the public
- Low, educate the public

Once the benefit of the project was determined, the planning team convened to determine the priority of each action item based on the following Prioritization Matrix. This simplified decision-making chart, uses rough cost estimations and the mitigation benefit scale to assign a prioritization ranking for each action item. Those action items that receive a higher ranking signal projects that should receive special attention. Inversely, projects that are estimated to be higher in cost with a lower benefit receive a lower ranking.

Mitigation Benefit Scale	
Ranking	Description
A Very High	Projects or activities which permanently eliminate damages or deaths and injuries across the university from any hazard.
B High	Projects or activities which reduce the probability of damages, deaths, and injuries across the university from any hazard.
C Medium	Projects or activities which warn the public to the approach of a natural hazard threat across the university.
D Low	Public outreach projects or activities meant to educate the public on the subject of hazard mitigation including studies and research on best practices for disaster preparedness, or improve data acquisition and compilation for analysis.

Benefit-Cost (B-C) Prioritization Matrix					
		Benefit			
		D (Low)	C (Medium)	B (High)	A (Very High)
Cost	Very High	Low	Low	Medium	Medium
	High	Low	Medium	High	High
	Medium	Medium	High	High	Very High
	Low	Medium	High	Very High	Very High



Appendix 13 Mitigation Planning Workgroup Member Organizations

Mitigation Planning Workgroup (MPWG) Member Organizations

Internal Members

- | | | | |
|----------------------------------|--------------------------|--|--|
| ▪ Athletics | ▪ Auxiliary Services | ▪ Campus Physical Plant Division | ▪ Campus Services |
| ▪ Capital Project Management | ▪ College of Agriculture | ▪ Executive Vice President for Finance and | ▪ Facilities Information Services |
| ▪ Facilities Management | ▪ General Accounting | ▪ Good Samaritan Hospital | ▪ Hazardous Materials and Waste |
| ▪ Human Resources Administration | ▪ Information Technology | ▪ Institutional Research | ▪ Martin School for Public Policy & Administration |
| ▪ Occupational Health & Safety | ▪ Office of Development | ▪ Office of Legal Counsel | ▪ Physical Plant |
| ▪ Plant Assets | ▪ Provost | ▪ Student Affairs | ▪ Vice President for Research |

▪ External Members

- | | | | |
|---|--|---------------------------|----------------------|
| ▪ Columbia Gas | ▪ Kentucky Division of Emergency | ▪ Kentucky American Water | ▪ Kentucky Utilities |
| ▪ Lexington Fayette Urban County Government | ▪ Lexington Fayette Urban County Government Fire | | |



Appendix 14 Mine Subsidence Identification, Profile, and Vulnerability Assessment

Description

Land subsidence is a gradual settling or sudden sinking of the Earth's surface owing to subsurface movement of earth materials. Subsidence is a global problem and, in the United States, more than 17,000 square miles in 45 States, an area roughly the size of New Hampshire and Vermont combined, have been directly affected by subsidence. The principal causes are aquifer-system compaction, drainage of organic soils, underground mining, hydrocompaction, natural compaction, sinkholes, and thawing permafrost. Three distinct processes account for most of the water-related subsidence--compaction of aquifer systems, drainage and subsequent oxidation of organic soils, and dissolution and collapse of susceptible rocks.

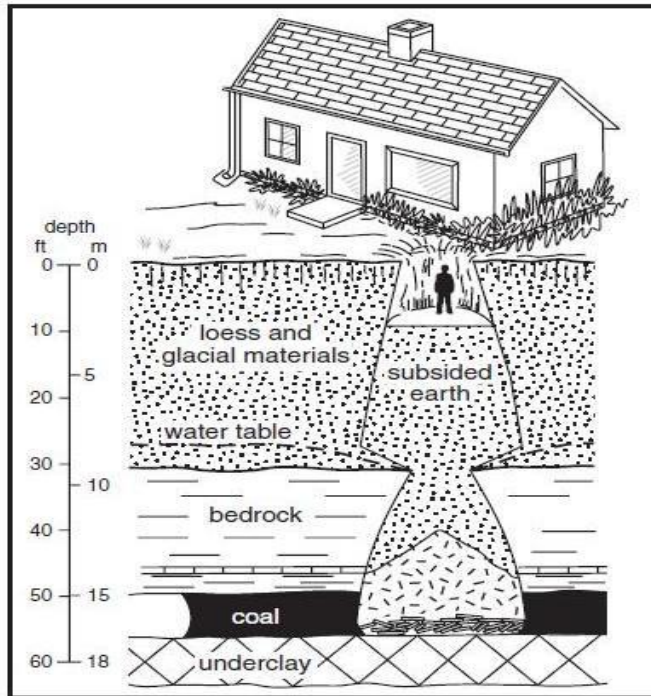
General forms of land subsidence most often occur when large amounts of ground water have been withdrawn from certain types of rocks, such as fine-grained sediments. The rock compacts as voids form in place of the water. As more water is withdrawn, the rock falls in on itself. The occurrence of land subsidence may easily go unnoticed because it generally covers large areas and develops gradually.

Mine subsidence, a more specific type of land subsidence, can be defined as *movement of the ground surface as a result of readjustments of the overburden due to collapse or failure of underground mine workings*. Surface subsidence features usually take the form of either very large sinkholes referred to as pits or troughs.

Mine subsidence is most often associated with coal mines, but can also be attributed to the mining of other minerals such as lead and zinc. Subsidence caused by these prior operations can wreak havoc on structures, causing large cracks in foundations, walls, and ceilings, separation of chimneys, porches, and steps from the structure, and the breakage of water, sewer, and gas lines. Popping and cracking can be heard as the structure settles and often, windows will break as well while settlement occurs. Many of the problems may occur simultaneously.

Types

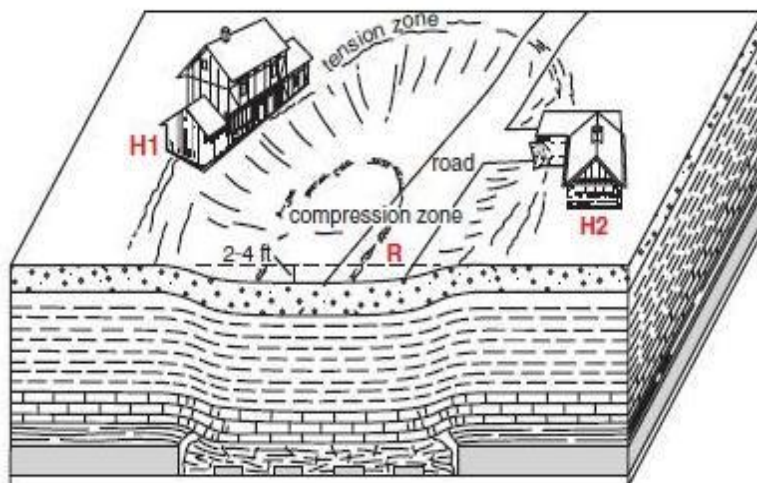
As depicted in the following drawing, pit subsidence occurs most commonly over mines that are considered fairly shallow, at less than 100 feet deep. Collapse of a mine roof causes a pit on the surface that generally ranges in depth from six (6) to eight (8) feet and in diameter from two (2) to 40 feet, although on average, a pit will reach less than 16 feet across. Just as with new sinkholes, new pits have steep sidewalls that present an added danger to humans and wildlife in the area. Pit subsidence usually occurs more rapidly than trough subsidence.



PIT SUBSIDENCE

Source: Wildanger et al, 1980

As shown below, trough subsidence forms gentle, more linear depressions over a broad area and most often is caused by the disintegration or collapse of coal pillars, resulting in depressions that sometime span the entire length of a whole mine panel which may be up to several hundred feet long and a few hundred feet wide.



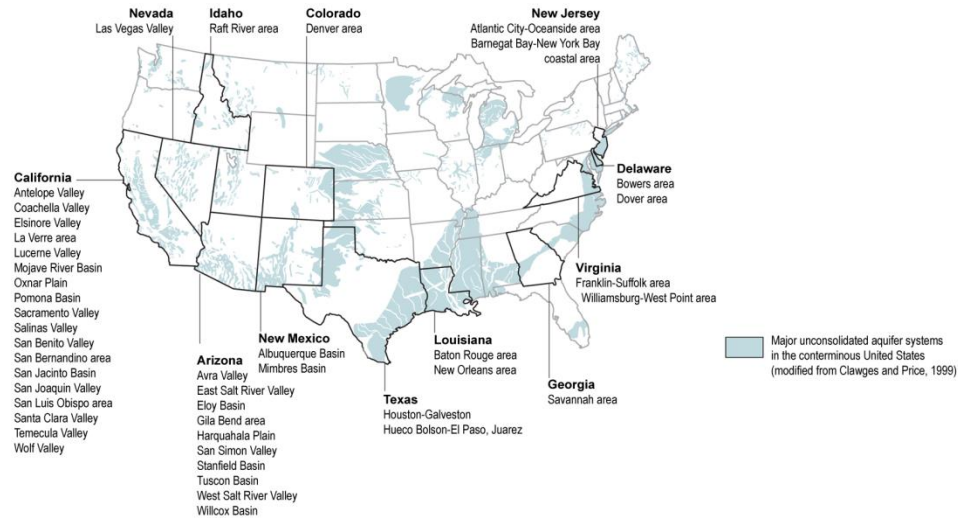
TROUGH SUBSIDENCE

Source: Illinois State Geological Survey (ISGS), 2006.



Facts

- Nationwide, the most common cause of land subsidence (over 80%) is the extraction of water from underground aquifers.



Areas where subsidence has been attributed to the compaction of aquifer systems caused by ground-water pumpage.

Source: USGS, <http://water.usgs.gov/ogw/pubs/fs00165/>

- Mine subsidence is controlled by a number of factors, including:
 - Height of mined-out area
 - Width of unsupported mine roof
 - Thickness of overburden
 - Competency of bedrock
 - Pillar dimensions
 - Hydrology
 - Fractures and joints
 - Time
- Between 1995 and 2001, the Ohio Department of Transportation spent \$26.6 million to repair mine subsidence damage on eight (8) highway projects.
- An estimated 320,000 housing units in the state of Illinois are built over or adjacent to underground mines.
- In the state of Kentucky, the room-and-pillar mining technique responsible for most trough subsidence is still the most commonly used practice for underground mining.



Impacts

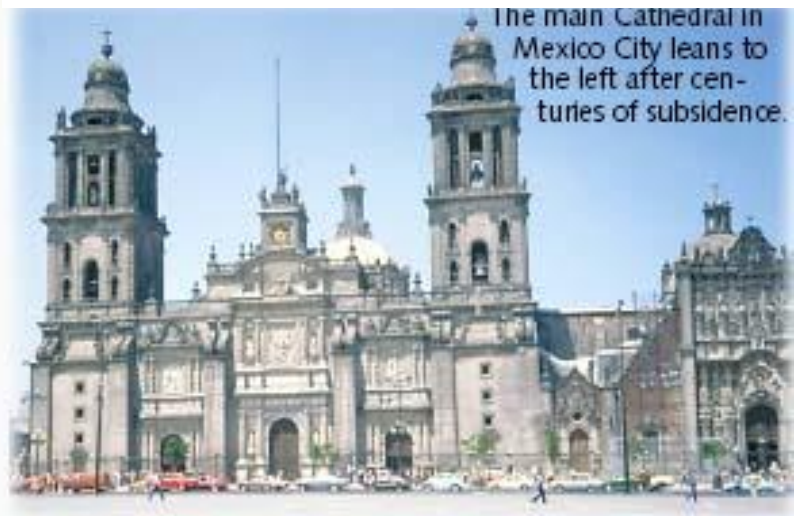
In areas where mining occurs, it is strongly suggested that homeowners acquire insurance coverage which specifically addresses mine subsidence. In some states property owners are required by law to possess such policies. It is for these reasons, annual out-of-pocket expenses for private landowners is much lower than that of other natural disasters, such as landslides.

Land subsidence, in general, is experienced throughout the country and the world each year, even in areas where mining isn't prevalent. The Jefferson Memorial in Washington, DC has been a sight of significant subsidence, as has the main Cathedral in Mexico City and the 15th century Inca settlement of Machu Picchu, in the Peruvian Andes.

In terms of loss of human life, the potential risk associated with Mine/Land Subsidence is substantially lower than it is for other disasters such as tornadoes, earthquakes, and landslides, but it is important to keep in mind that the ground at the bottom of a pit or trough is often times not as stable as it appears. It is also important to ensure that the public is aware of the risks associated with inappropriate accessing of mine shafts, particularly those that have been abandoned for a number of years.



Early longwall mine. Source: ISGS, 2006



Source: USGS, 2009



HAZ/MAT: Profile Risk Table	
Period of occurrence:	At any time. Chance of occurrence increases after heavy rainfall, snow melt, or construction and mining activity.
Kentucky Number of events: (1981-2013)	133*
Kentucky Probability of events:	4.16*
Kentucky Past Damages	\$5,550,000*
Fayette County Number of events:	0**
Fayette County Probability of events:	0**
Fayette County Past Damages	Unknown**
UK Incidents:	0
UK Damages Claimed:	0
Warning time:	Warning times vary greatly and are often dependent upon inspection for weaknesses in rock and soil. Most subsidence problems move slowly and cause damage gradually; however some events can move very quickly.
Potential impact:	Economic losses such as decreased land values, agribusiness losses, disruption of utility and transportation systems, and costs for any litigation. May cause geological movement, causing infrastructure damages ranging from minimal to severe. May cause injury or death and shut down critical facilities for days or weeks.
Potential of injury or death:	Injury and multiple deaths each year
Potential duration of facility shutdown:	Days to Weeks
Extent:	See "Mine Subsidence" discussion on pages 129 - 131

Mine Subsidence Vulnerability Score = Exposure Score + Hazard Score

Assessing the university's vulnerability by building for Mine Subsidence was determined through first calculating the Mine Subsidence Hazard Score. The Mine Subsidence Hazard Score variable used to calculate the overall score was the Geographic Extent Score.

The Geographic Extent Score variable used for this hazard was captured using the Commonwealth of Kentucky Enhanced Hazard Mitigation Plan, Mine Subsidence Hazard Score. The grid score was used to help generalize the area score as many UK facilities outside of Fayette County are not mapped to a precise location and are instead geocoded to their



approximate area. By using the Kentucky State Hazard Mitigation Plan Grid Score we were able to provide an area score to the building based on a generalized hazard score provided by the grid data.

The 2013 Kentucky State Hazard Mitigation Plan: The Mine/Land Subsidence Hazard Score was calculated by studying two (2) sources of data. The first layer used to create the Mine/Land Subsidence Hazard Score was derived from a GIS mined out layer from KGS. The mined out layer displays a geo-referenced data layer that depicts where mining operations have been. To analyze Kentucky's risk to Mine/Land Subsidence, the mined out layer was overlaid onto a map of 1 KM MGRS grids in Kentucky. Next, a calculation was computed based on the percent of the area the mined out layer covered within each grid. This percentage of area affected by the mapped mined out areas was then calculated and scored 0-1 to develop 50% of the Mine/Land Subsidence Hazard Score.

The next step was determined by calculating the number of areas AML has mitigated. This data displayed where concentrations of mine subsidence have occurred, thus producing areas of risk. The AML mitigation layer displays a geo-referenced data layer that depicts where mine subsidence has been mitigated. To analyze Kentucky's risk to Mine/Land Subsidence, the mine subsidence layer was overlaid onto a map of 1 KM MGRS grids in Kentucky. Next, a calculation was computed based the total number of projects that have occurred within each grid. The total number was then calculated for each grid and scored 0-1 to develop 50% of the Mine/Land Subsidence Hazard Score.

The Mine/Land Subsidence Hazard Score was then calculated by adding the two (2) scores together and scored 0-1.

To complete the UK Mine Subsidence Hazard Score each buildings Hazard Score was based on which Kentucky Hazard Mitigation Plan, Mine Subsidence Hazard Score 1KM grid they fell within and were assigned that score. In order to display the extent and potential magnitude of the hazard on each structure, see the hazard score maps for the Main Campus in [Appendix 10](#). The next step was to add the UK Hazard Score and the Exposure Score together to compile the Mine Subsidence Vulnerability Score (0-1) for each building. . It is important to note if the Mine/Land Subsidence Hazard Score inputs equaled 0, then the Mine/Land Subsidence Hazard Vulnerability Score equaled 0. Once the final Mine Subsidence Vulnerability Scores were calculated the composite scores were displayed on the maps and broken into four categories, using the Natural Breaks classification system (Low, Moderate, High, and Severe) which demonstrates different levels of vulnerability displayed on the map.

The next two pages will display the Mine Subsidence Vulnerability Score maps for the Main Campus. See [Appendix 11](#) for the Mine Subsidence Vulnerability Score for each building in a tabular format



University of Kentucky North Campus Mine Vulnerability Score



Legend

— Street

○ UK Campus Boundary

Mine Vulnerability Score

- Low
- Moderate
- High
- Severe

0 0.05 0.1 0.2 Miles

0 0.05 0.1 0.2 Miles

This map contains information from the following sources: University of Kentucky, Kentucky State Hazard Mitigation Plan, Kentucky Division of Water, Kentucky Geologic Survey, Kentucky Geographic Information Services, LFUCG, The Center for Hazards Research and Policy Development, and The National Weather Service.

UK
UNIVERSITY OF
KENTUCKY

CENTER FOR HAZARDS RESEARCH
AND POLICY DEVELOPMENT
UNIVERSITY OF LOUISVILLE



University of Kentucky South Campus Mine Vulnerability Score



Legend

— Street

○ UK Campus Boundary

Mine Vulnerability Score

- Low
- Moderate
- High
- Severe

0 0.05 0.1 0.2 Miles

North Arrow

This map contains information from the following sources: University of Kentucky, Kentucky State Hazard Mitigation Plan, Kentucky Division of Water, Kentucky Geologic Survey, Kentucky Geographic Information Services, LFUCG, The Center for Hazards Research and Policy Development, and The National Weather Service.

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