

Dear Colleague:

Thanks to your notable contributions to the university community in the past, as well as the efforts of your colleagues, the University of Kentucky Hazard Mitigation Plan was approved in February 2010 and again on March 10, 2016.

The Plan 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. As a result, UK is eligible to apply for state and federal funds for mitigation and disaster assistance grant programs administered by the Federal Emergency Management Agency (FEMA).

This plan is a critical part of how we take care of our people — a core principle in UK's strategic plan. In this spirit, I ask for your commitment to the 2023 University of Kentucky Hazard Mitigation Plan Update. Steering Committee members will include university stakeholders throughout campus and the greater Lexington community. Your contributions and expertise will guide hazard mitigation activities over the coming years.

Your commitment is imperative to the success of the Plan's 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 2023 update to the University of Kentucky Hazard Mitigation Plan will be a collaborative effort between the UK Police Department's (UKPD) Division of Crisis Management and Preparedness; the UK Hazard Mitigation Plan Steering Committee; state and local agencies; and Stantec Consulting Services, Inc.

In the coming months, you will begin receiving invitations to participate in five Steering Committee meetings that will be held on campus and will take place between September 2022 and May 2023.

I deeply appreciate your willingness to serve our community in such an important way and look forward to your involvement and input. For more information, please do not hesitate to contact Laurel Wood, Director of Business Continuity for UKPD, at [cmp@uky.edu](mailto:cmp@uky.edu) or 859-257-6655. You also can find more information [here](#).

Thank you for all you do to advance Kentucky.

Eric Monday  
Executive Vice President for Finance and Administration

## University of Kentucky

The 90, Suite 228, Emergency Operations Center

September 29, 2022

- Safety Moment
- Welcome and Introductions
- Mitigation Successes
- What is Hazard Mitigation?
- Review of Planning Process
  - Schedule
  - Steering Committee Roles
  - University Involvement
  - Risk Assessment/Data Collection
  - Capability Assessment
  - Mitigation Strategy
  - Adoption and Plan Maintenance
- Funding Opportunities
- Next Steps

**Notes:**





# Hazard Mitigation Plan Update

## Steering Committee Meeting

September 29, 2022  
10 a.m. – 12 p.m.

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 Division of Crisis  
Management & Preparedness



# Agenda



- Safety Moment
- Welcome and Introductions
- Mitigation Successes
- What is Hazard Mitigation?
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- Next Steps





# Invasive Species

- Report sightings to your local authority
- Plant native plants in your yard
- Regularly clean your outdoor equipment



# Welcome and Introductions

# Welcome and Introductions



## University of Kentucky Team – Planning Team

- Laurel Wood
- Joe Monroe
- Nathan Brown
- Mandi Banahan
- Veronda Holcombe Lewis
- Jay Overman
- Cory Pelarski
- Robert Turner
- Sally Woodson

## Stantec Team

- Kristen Hewes
- Christina Hurley
- Rebecca Leitschuh
- John Bucher
- Mike Greene
- Matthew Moy
- Sam Lee



# Welcome and Introductions



Steering Committee

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1. Name
2. Department or Agency
3. Do you have experience with hazard mitigation planning?
4. How can you help?



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 University of  
Kentucky

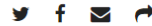
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BY JANET PATTON

UPDATED AUGUST 03, 2022 3:35 PM



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BY UNIVERSITY OF KENTUCKY

## Historic July 26th-July 30th, 2022 Eastern Kentucky Flooding

Weather.gov > Jackson, KY > Historic July 26th-July 30th, 2022 Eastern Kentucky Flooding

Jackson, KY  
Weather Forecast Office

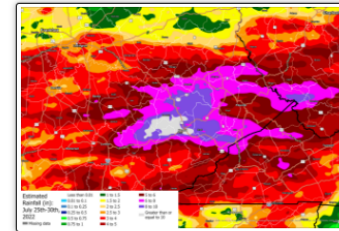
[Current Hazards](#) [Current Conditions](#) [Radar](#) [Forecasts](#) [Rivers and Lakes](#) [Climate and Past Weather](#) [Local Programs](#)

### Overview

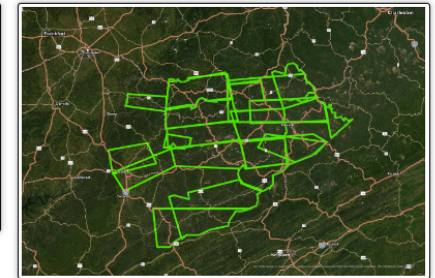
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Estimated rainfall totals from July 25th through July 30th, 2022 via NCEP Stage IV precipitation data.



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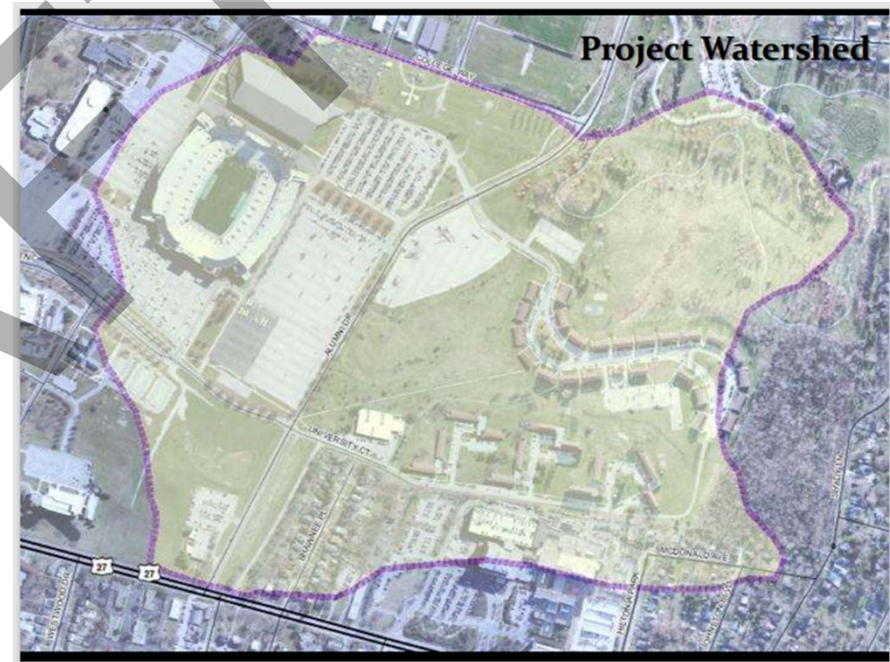




# UK Mitigation Successes



- Blue Emergency Notification Towers
- WUKY Main Transmission Site
- Robinson Forest
- Tornado Safe Rooms
- Nicholasville Road, Culvert Upgrade and Alumni Drive Mitigation Project
  - 1,300 Linear Feet Stream Restoration
  - Detention Basins
  - Permeable Pavement



# Why are we updating the plan?



- Meet FEMA requirements for funding
- Build on previous successes
- Integrate with other plans and efforts
- Continued improvement - More actionable plan with improved coordination
- New FEMA guidelines
  - Climate Integration
  - Equity Considerations

Campus News

## UK specialists offer flood clean-up strategies

By Aimee Nielson Aug. 3, 2022



Flooding in Whitesburg, Letcher County. Photo by Shad Baker, UK extension agent for agriculture and natural resources.

Media Resources

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# Planning Process

# Hazard Mitigation Plan Sections



**Element A.** Planning Process

**Element B.** Hazard Identification & Risk Assessment

**Element C.** Mitigation Strategy

**Element D.** Plan Maintenance

**Element E.** Plan Adoption



## Local Mitigation Planning Handbook

March 2013



## Steering Committee Workshops



1. **Kick-off** - Today
2. **Hazard Identification** – Thursday, 10/27
3. **Risk Assessment** – Tuesday, 12/6
4. **Mitigation Strategy** – Late January
5. **Draft Plan** – April



2015 Plan Update Steering  
Committee Meeting



## Steering Committee Roles



### University Outreach

- Participate in workshops
- Share information regarding the planning process

### Share knowledge

- University hazards
- Data
- Capability Assessment
- Mitigation Strategy

### Review Draft Plan



2015 Plan Update Steering Committee Meeting



# Risk Assessment

# Risk Assessment



## General process:

- Data collection
- Hazard identification
- Profiles (current and future considerations)
- Structure-based results

### FEMA profile requirements:

- Description
- Location
- Previous Occurrences
- Probability
- Severity
- Vulnerability

### Hazards:

- Dam Failure
- Drought
- Earthquake
- Extreme Temperature
- Flood
- Forest Fire
- Hailstorm
- Karst/Sinkhole
- Landslide
- Severe Storm
- Severe Winter Storm
- Tornado
- \*Hazardous Materials
- \*Emerging Infectious Diseases



## Risk Assessment Data Collection



## University-provided data:

- GIS building footprints
- Hazard loss data for all recorded hazard occurrences (e.g., claims data)
- Building replacement values
- Building content values (included research and research equipment)
- Building condition codes
- Building hazardous contents
- Building occupancy
- Critical facilities

### Additional sources:

- UK's open data portal
- LFUCG
- Kentucky Area Development Districts
- Kentucky Geological Survey





# Capability Assessment Data Collection



- UK Planning Documents
- Local Planning Documents that impact UK
- Stakeholder Interviews (Internal and external as determined by UK)

## 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.



Map of all UK athletics facilities

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

# Mitigation Strategy

# Mitigation Strategy



- Review Goals
- Review Existing Actions
- Develop New Actions
  - Risk assessment results
  - Capability assessment results
  - Interviews
  - University planning documents
  - Steering Committee
  - University input
- Outcomes
  - More actionable plan, with improved coordination and documentation

Professional News

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By Jeff Franklin and Katie Pratt March 15, 2022



Watch on  YouTube

Video Produced by the UK College of Agriculture, Food and Environment.

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## 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.

### 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.

## Mitigation Strategy



| 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<br>Internal<br>External | Projects<br>Manage Projects |
| 1.2   | High         | 3-5 years   | Applicable to All Identified Hazards  | Install Generators at identified university facilities.   | CMP<br>Physical Plant Division<br>College of Agriculture  | Internal<br>External           | Projects<br>Apply for Funds |
| 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<br>Tornado               | Identify NWS approved shelters/FEMA safe rooms within new and existing buildings.   | CMP<br>EHS  | Internal                       | Projects<br>Apply for funds |
| 1.5   | High         | 2-4 years   | Earthquake<br>Severe Storm<br>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<br>College of Agriculture<br>CPM  | Internal<br>External           | Projects<br>Apply for funds |
| 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<br>Div. of Student Affairs<br>Housing<br>IT  | Internal<br>External           | Projects<br>Apply for funds |
| 1.7   | High         | When Needed | Severe Storm<br>Tornado               | Identify areas and pursue safe room construction.   | CMP<br>College of Agriculture   | Internal<br>External           | Projects<br>Apply for funds |
| 1.8<br>(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<br>CPM<br>Facilities Information Service<br>Facilities Management GIS<br>Kentucky Geological Survey | Internal                       | -                           |



# Adoption and Plan Maintenance

## Adoption and Plan Maintenance



- Regularly scheduled check in meetings
- Document progress and needs
- Coordinating funding and grant opportunities



### Western Kentucky Tornadoes Spur Engineering Undergrad Research

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# Funding Opportunities

# Funding Opportunities



- Hazard Mitigation Grant Program (HMGP)
- Flood Mitigation Assistance (FMA)
- Building Resilient Infrastructure and Communities (BRIC)



Entrance of the Robinson Center for Appalachian Resource Sustainability (RCARS). Photo by Daniel Wilson.

## Next Steps

## Next Steps



- University Hazard Identification Meeting on October 27, 2022
- Data Collection for Risk and Capability Assessments
- Interviews
- Review Mitigation Strategy



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# Questions and Contact Information



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**502-595-8238**

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**828-242-4384**

**Christina Hurley**

[christina.hurley@stantec.com](mailto:christina.hurley@stantec.com)

**910-540-9215**



**Thank you!**



**University of Kentucky  
Hazard Mitigation Plan Update**

Gatton Student Center, Worsham Theater

Thursday, October 27, 2022

9.30 a.m. – 10:30 a.m.

- Safety Moment
- Welcome and Introductions
- Mitigation Successes
- Mitigation Projects and Research
- Planning Process
- Data Collection and Hazard Identification
- Next Steps

**Notes:**



# Hazard Mitigation Plan Update

## Hazard Identification Meeting

October 27, 2022  
9:30-10:30 am

---



Division of Crisis  
Management & Preparedness



# Agenda



- Safety Moment
- Welcome and Introductions
- Mitigation Successes
- Mitigation Projects and Research
- Planning Process
- Data Collection and Hazard Identification
- Next Steps

Hazard Mitigation  
Plan





# Safety Moment



**Using VoIP to Call  
Emergency Services (ES)**

**Voice over Internet Protocol (VoIP) - transmission of voice and multimedia over internet connection**

**VoIP allows you to make calls from your computer (Teams)**

**ES Operators cannot geolocate if working remote (home/travel/field)**

**You must provide ES Operator with your physical address**

**If possible, use a landline to call ES**

# Welcome and Introductions



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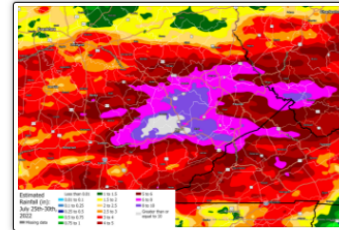
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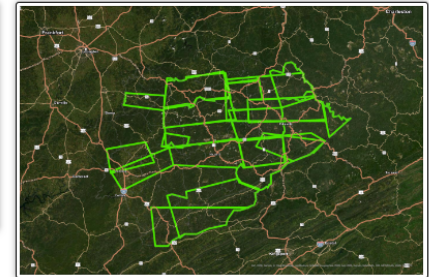
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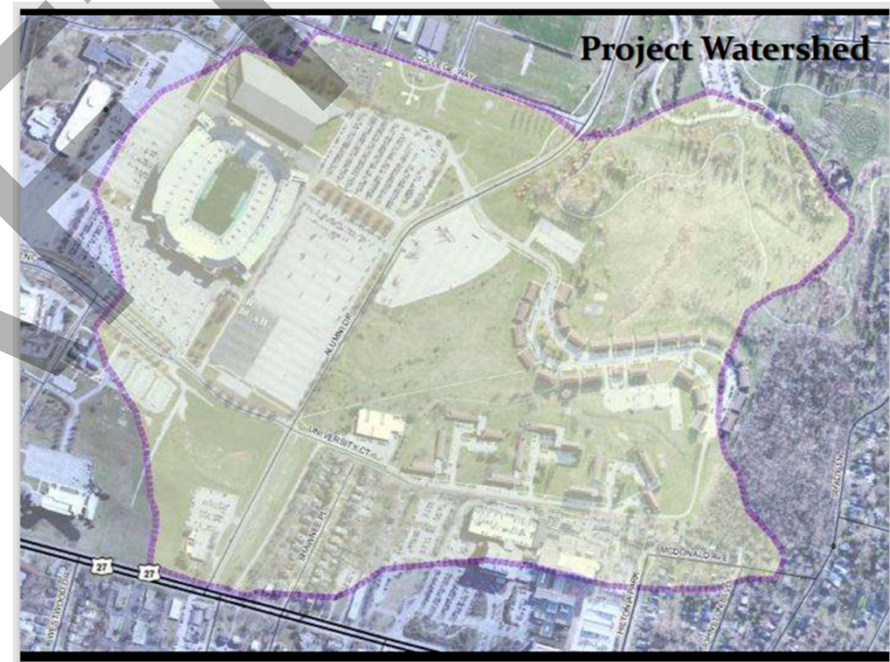
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# UK Projects and Research



- Disaster Preparedness Toolkit for Older Adults
- UK Professor Designing More Sustainable Future for Appalachia
- Federal Grant Will Help KGS Researchers Develop Landslide Models, Risk Assessments in Eastern Kentucky
- UK Project Aims to Reduce Sinkhole-related Damage
- UK Animal Resource Exercise Will Help Prepare for Emergencies



# Why are we updating the plan?



- Meet FEMA requirements for funding
- Build on previous successes
- Integrate with other plans and efforts
- Continued improvement - More actionable plan with improved coordination
- New FEMA guidelines
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Flooding in Whitesburg, Letcher County. Photo by Shad Baker, UK extension agent for agriculture and natural resources.

[Media Resources](#)

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# Risk Assessment

# Risk Assessment



## General process:

- Data collection
- Hazard identification
- Profiles (current and future considerations)
- Structure-based results

### FEMA profile requirements:

- Description
- Location
- Previous Occurrences
- Probability
- Severity
- Vulnerability

### Hazards:

- Dam Failure
- Drought
- Earthquake
- Extreme Temperature
- Flood
- Wildfire
- Hailstorm
- Karst/Sinkhole
- Landslide
- Severe Storm
- Severe Winter Storm
- Tornado
- \*Hazardous Materials
- \*Emerging Infectious Diseases
- \*Cybersecurity Threats



# Risk Assessment Data Collection



## University-provided data:

- GIS building footprints
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Map of all UK athletics facilities

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# Mitigation Strategy

# Mitigation Strategy



- Review Goals
- Review Existing Actions
- Develop New Actions
  - Risk assessment results
  - Capability assessment results
  - Interviews
  - University planning documents
  - Steering Committee
  - University input
- Outcomes
  - More actionable plan, with improved coordination and documentation

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By Jeff Franklin and Katie Pratt March 15, 2022



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# Adoption and Plan Maintenance

## Adoption and Plan Maintenance



- Regularly scheduled check in meetings
- Document progress and needs
- Coordinating funding and grant opportunities



### Western Kentucky Tornadoes Spur Engineering Undergrad Research



# Data Collection

# Hazard Identification



## Hazard Ranking Poll

<https://www.menti.com/>

Code = 8307 6972



## Hazard Identification

<https://www.menti.com/>

Code = 8307 6972



**Please select the three hazards you are most concerned about.**

- Dam Failure
- Drought
- Earthquake
- Extreme Temperature
- Flood
- Wildfire
- Hailstorm
- Karst/Sinkhole
- Landslide
- Severe Storm
- Severe Winter Storm
- Tornado
- \*Hazardous Materials
- \*Emerging Infectious Diseases
- \*Cybersecurity Threats



## Hazard Identification

<https://www.menti.com/>

Code = 8307 6972



**Please select the three climate change impacts you are most concerned about.**

- Loss and change of vegetation (including trees)
- Habitat disruption
- Reduced air quality
- Increased heat wave intensity and frequency
- More extreme and more frequent rainfall events (more frequent flooding)
- More extreme and more frequent winter storm events (including ice storms)
- More extreme and more frequent thunderstorm events (including tornadoes)
- In-migration of people to the area from areas more severely impacted by climate change





# Online Hazard Identification – Complete the Survey



Public survey for input into the University of Kentucky Hazard Mitigation Plan

0%

[Exit Survey](#)

We need your help!

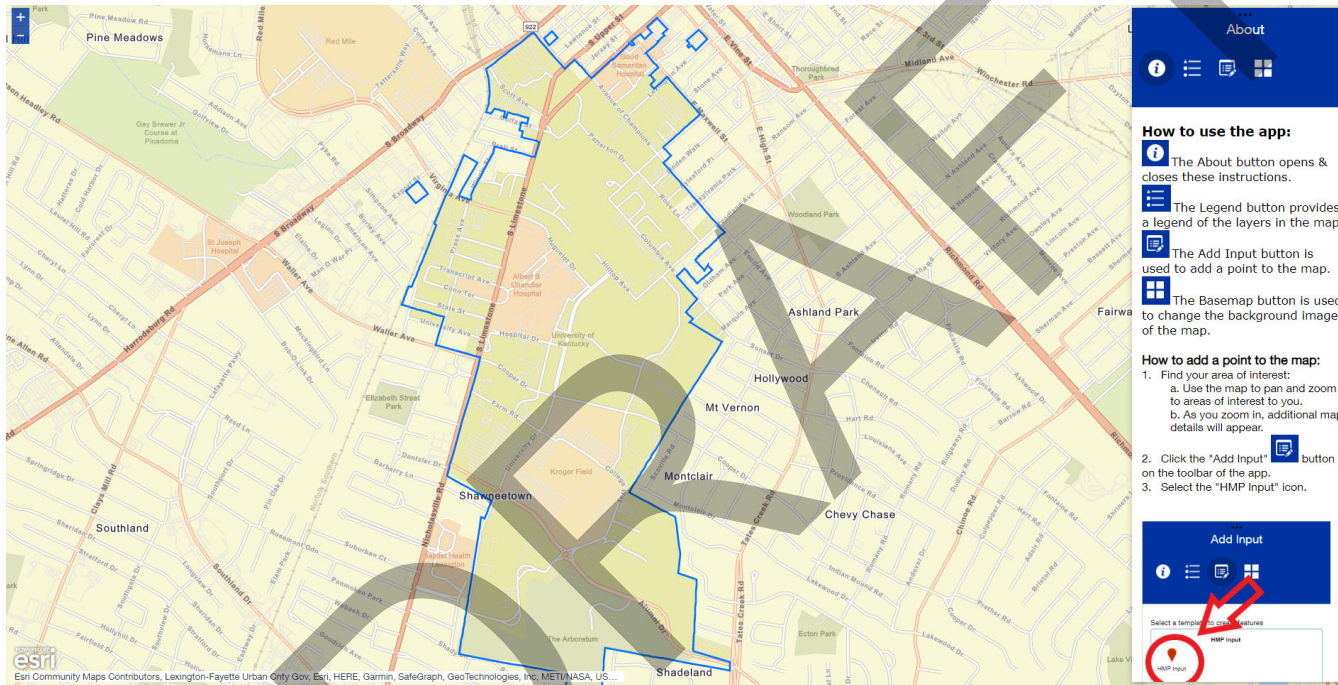
The University of Kentucky is currently engaged in a planning process to become less vulnerable to natural, manmade and technological disasters, and your participation is important to us! The University, along with partners, is working to update UK's *Hazard Mitigation Plan*. The purpose of this Plan is to identify and assess the University community's hazard risks and determine how to best minimize or manage those risks. Upon completion, the Plan will represent a comprehensive approach to managing hazards on campus. This survey provides an opportunity for you to share your opinions and participate in the mitigation planning process. The information you provide will help us better understand your hazard concerns and help us identify mitigation activities that should help lessen the impact of future hazard events, including the impacts of climate change and variability. Please help us by completing this survey by October 31, 2022. You may start the survey now by clicking on the Next button below. All responses will be kept confidential and will only be used to inform UK's Hazard Mitigation Plan and the associated planning process. If you have any questions regarding this survey or would like to learn about more ways you can participate in the development of the UK *Hazard Mitigation Plan*, please contact Laurel Wood, Director of Business Continuity, University of Kentucky Police Department, [laurel.wood@uky.edu](mailto:laurel.wood@uky.edu).

[Start](#)

[Hazard Mitigation Plan | University of Kentucky Police Department \(uky.edu\)](#)



# Online Hazard Identification



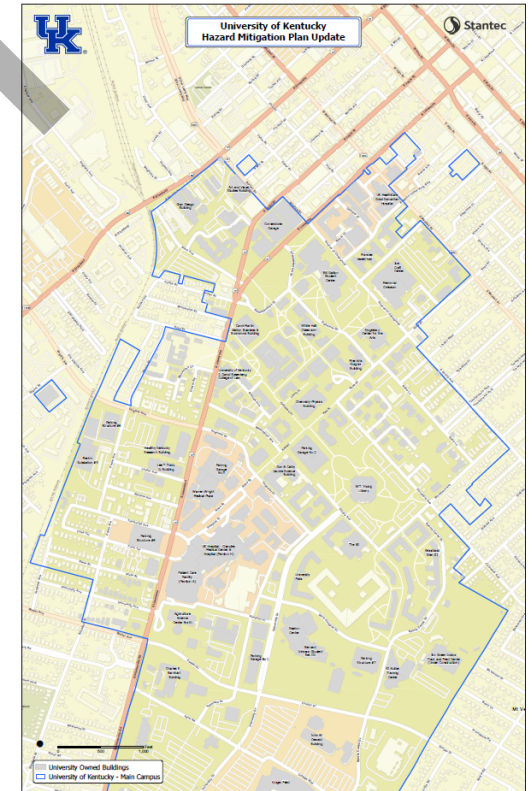
[Hazard Mitigation Plan | University of Kentucky Police Department \(uky.edu\)](#)



# In-Person Hazard Identification



- North and South Lexington Campus Map
  - Capture main campus hazards
- Fayette County Map
  - Capture hazards at UK facilities off-campus
- Statewide Map
  - Capture hazards at UK facilities outside of Fayette County



# Hazard Identification Locations



## University of Kentucky Campuses

- University of Kentucky - Main Campus
- Little Research Center/Woodford Farm Campus
- North Farm Campus (includes North Farm Agricultural Center and Eastern State Hospital)
- South Farm Campus
- Robinson Forest Campus
- West Kentucky Substation (Research and Education Center at Princeton) Campus
- Paducah Campus (located on the West Kentucky Community and Technical College Campus)
- Hazard Campus
- College of Medicine at Bowling Green Campus
- College of Medicine at Northern Kentucky, Highland Heights Campus
- College of Medicine at Northern Kentucky, Edgewood Campus

## Other Locations

- UK Medical Facilities
- 4-H Camps
- Cooperative Extension Offices



## Next Steps



## Next Steps



- Complete the Survey
- Provide information on the maps
- Visit the website for project updates

[Hazard Mitigation Plan | University of Kentucky Police Department \(uky.edu\)](#)



Aerial view of the UK Research and Education Center after it took a direct hit from a weekend tornado. Photo by Matt Barton, UK agricultural communications.





# Questions and Contact Information



**Laurel Wood**

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**859-257-6655**

**Kristen Hewes**

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**502-595-8238**

**John Bucher**

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**828-242-4384**

**Christina Hurley**

[christina.hurley@stantec.com](mailto:christina.hurley@stantec.com)

**910-540-9215**



**Thank you!**



## University of Kentucky

Steering Committee Meeting

Tuesday, March 21, 2023, 1:30-3:00 PM

## The 90 – Suite – 228 – Emergency Operations Center

## Microsoft Teams

- Safety Moment
- Project Update
- Data collection
- Data from UK Departments
- Interviews
- Risk Assessment
- Survey
- Mitigation Strategy
  - Goals
  - Mitigation Actions

## Notes

DRY



# Hazard Mitigation Plan Update

## Steering Committee Meeting

March 21, 2023  
1:30-3:00 pm

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 Division of Crisis  
Management & Preparedness





# Agenda



- Safety Moment
- Project Update
- Data collection
  - Data from UK Departments
  - Interviews
- Risk Assessment
- Survey
- Mitigation Strategy
  - Goals
  - Mitigation Actions



Aerial view of the UK Research and Education Center after it took a direct hit from a weekend tornado. Photo by Matt Barton, UK agricultural communications.



# Safety Moment



## Stop & Talk: How to Safely Use Public Wi-Fi Networks

Health, Safety, Security, & Environment

SaferTogether

Wi-Fi hotspots in coffee shops, libraries, airports, hotels, universities, and other public places are convenient, but often they are not secure. If you connect to a public Wi-Fi network and send information through websites or mobile apps, someone else might be able to see it. Here are some ways to safely use public Wi-Fi when you're out and about.

### Public Wi-Fi Isn't Secure

- If the network isn't secure, and you log into an unencrypted site — or a site that uses encryption only on the sign-in page — other users on the network can see what you see and send.
- A scammer could use your account to impersonate you and scam people on your contact lists or test your usernames and passwords on other websites — including sites that store your financial information.
- If a scammer gets your personal or financial information, they could steal your identity.
- When you sign on to public Wi-Fi, you may also be sharing your data with the companies providing the Wi-Fi.



### Ways to Encrypt Your Information

- **Connect to websites securely.** If you see https in the web address, you have a secure connection to the website. But using https **does not** mean a website is legit.
- **Consider using a VPN app.** Some virtual private networks, known as VPNs, offer encryption.
- **Use your mobile data, as it is usually encrypted.** If you're on the go, don't have the option of using a secure website and have no VPN encryption, consider using your mobile data instead of Wi-Fi.

### Protect Your Information When You Use Public Wi-Fi

- Don't access your personal or financial information.
- Log in or send personal information only to websites you know are fully encrypted.
- Don't stay permanently signed into accounts.
- Don't use the same password on different websites.
- Pay attention to warnings.
- Change your device's settings so it doesn't automatically connect to nearby Wi-Fi.
- Install browser add-ons or plug-ins that can help.

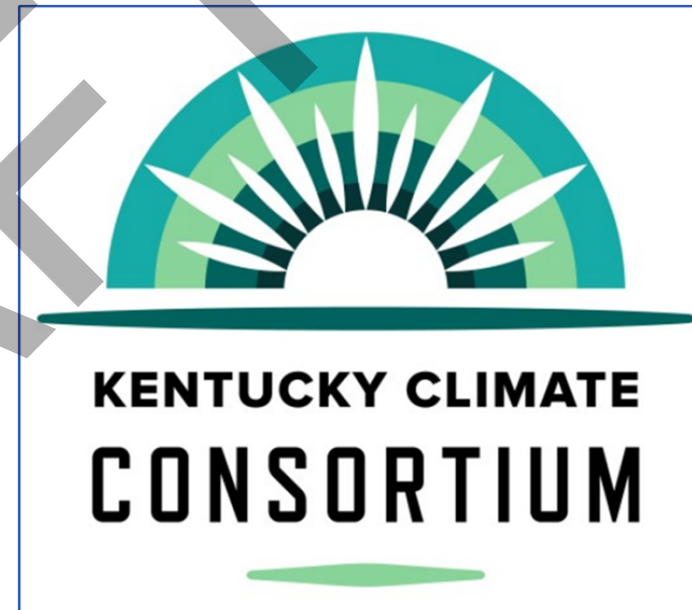
Information provided by [How To Safely Use Public Wi-Fi Networks](#) | [FTC Consumer Information](#)



# Project Update



- Plan Components:
  - Critical Facilities Defined
  - Risk Assessment
  - Capability Assessment
  - 2016 Mitigation Action Workbook
    - 2016 Actions Updated
- Upcoming Meetings
  - Draft Plan Meeting (April 27 or 28, 2023)
  - Mitigation Strategy Steering Committee Meeting (TBD)





# Project Update



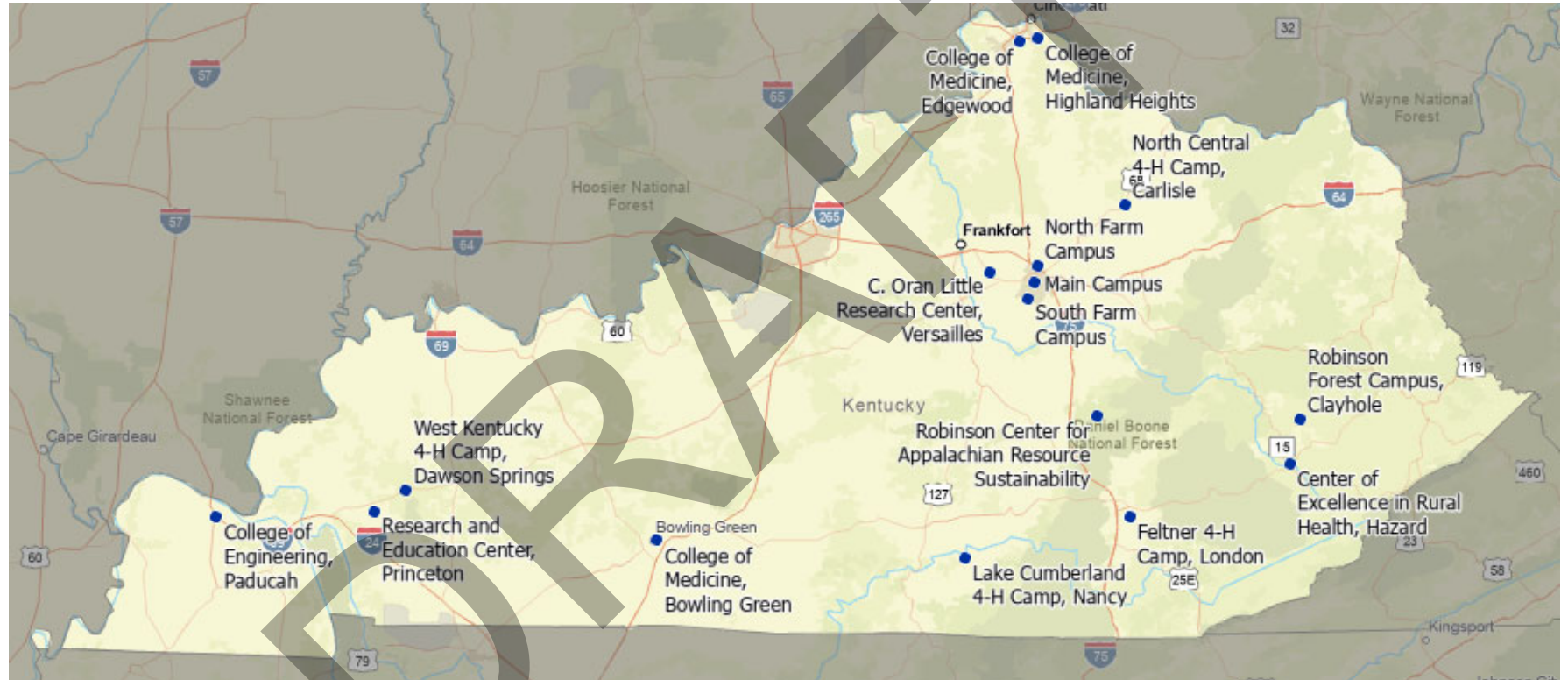
- Completed Data Collection
- Interviews Performed:
  - Risk Management
  - Research
  - GIS
  - Facilities
  - Hazardous Materials
  - IT
  - Agriculture
  - Health Care
  - Equity – Office for Institutional Diversity
  - Kentucky Climate Consortium



The Grain and Forage Center of Excellence at the University of Kentucky Research and Education Center in Princeton was damaged by a powerful tornado last weekend.. *Matt Barton | UK College of Agriculture*



# Campus Locations



# Risk Assessment – Hazards Reviewed



## Weather Hazards

- Extreme Heat
- Extreme Cold
- Wildfire
- Hail
- Severe Storm
- Severe Winter Storm
- Tornado



## Hydrological Hazards

- Flood
- Drought
- Dam/Levee Failure



## Geological Hazards

- Earthquake
- Landslide
- Karst



## Industrial Hazards

- Hazardous Materials Release



## Human-Caused Hazards

- Cyber Attack
- Emerging Infectious Disease

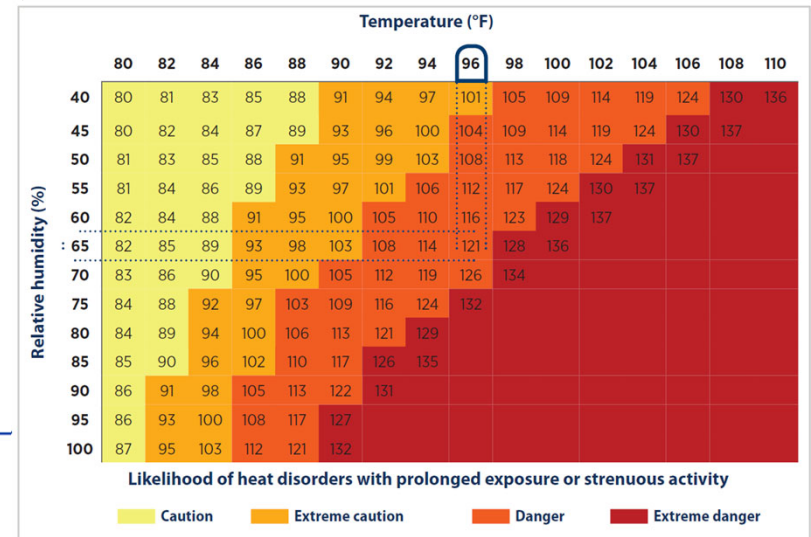


# Extreme Heat



- All buildings, infrastructure and populations are considered at risk to extreme heat on UK's main campus and outlying facilities.
- Building Risks
  - Power outages
  - Stress to HVAC systems
  - Buckling/collapse in extreme cases
- Infrastructure Risks
  - Power outages
  - Pavement buckling

- Population Risks
  - Heat-related illness (heat stroke, heat exhaustion, dehydration)
  - Air quality impacts
  - Populations at higher risk: socially vulnerable, athletic teams, outdoor workers, populations in dorms without AC, outdoor sporting events



# Extreme Cold



- All buildings, infrastructure and populations are considered at risk to extreme cold on UK's main campus and outlying facilities.
- 35 extreme cold-related claims between 2012 and 2022 totaling \$1.4M
- Building Risks
  - Burst pipes
  - Stress on HVAC systems
  - Power outages
  - Increased risk of fire from alternative heating sources
- Infrastructure Risks
  - Disrupted utility services
  - Broken water mains
  - Stress to asphalt and pavement
- Population Risks
  - Hypothermia and frostbite
  - Carbon monoxide
  - Socially vulnerable populations at higher risk





## Severe Storm



- All buildings, infrastructure and populations are considered at risk to severe storm on UK's main campus and outlying facilities.
- Building Risks
  - Building features being blown off
  - Falling objects and debris
  - Buildings being blown off their foundation
  - Mobile and modular units are at more severe risk
  - Lightning strikes can start fires
  - Roof leaks
- Infrastructure Risks
  - Severe winds and debris can damage utilities, communications, and above ground power
  - Electrical systems, telecommunications equipment, and infrastructure in open areas are more vulnerable to lightning
- Population Risks
  - Falling objects and debris
  - People outside are at risk of being struck by lightning
  - Agricultural researchers face higher exposure





## Severe Winter Storm



- All buildings, infrastructure, and populations are considered at risk to severe winter weather
- Building Risks
  - Power outages can result in limited food, supplies, and heat
  - Extreme cold leading to freezing or bursting pipes
  - Roof collapse from snow accumulation
- Infrastructure Risks
  - Road conditions
  - Limited transit operations
  - Critical staff may be unable to reach campus
- Population Risks
  - Falling while walking or removing snow
  - Heart attacks from shoveling snow
  - Falling ice, trees, or branches
  - Agricultural researchers may have more exposure
  - International students may remain on campus with only essential staff during winter breaks



# Tornado Profile



- All current and future buildings, infrastructure, and populations are considered at-risk to tornadoes, including critical facilities
- Eastern, northeastern, and southeastern parts of Kentucky are far less likely to experience tornadoes than the western end of Kentucky.
- Central Kentucky has moderate tornadic and severe wind activity.
- Building Vulnerabilities
  - Buildings can be destroyed
  - Debris hurled by the wind can cause extensive damage
  - Structures most likely to suffer damage:
    - Mobile homes or units
    - Structures with crawlspaces
    - Buildings with large spans (ex. gymnasiums)
- Infrastructure Vulnerabilities
  - Damage to exposed utilities can result in hazardous material spills and leaks
- Population Vulnerabilities
  - Universities have large numbers of people present and others may seek shelter
  - People outside or driving may be struck by flying debris or picked up by tornado winds
  - Agricultural researchers may be unable to reach shelter quickly



# Drought

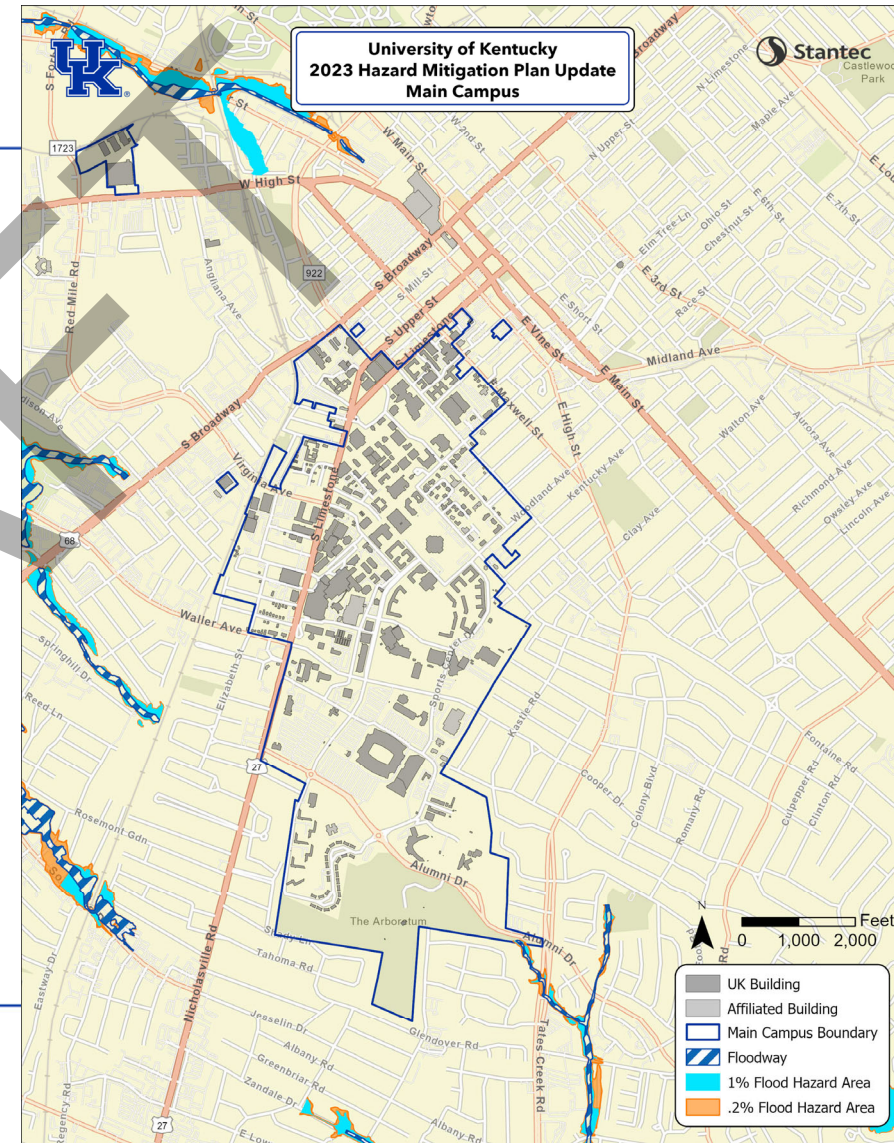


- All buildings, infrastructure and populations are considered at risk to drought on UK's main campus and outlying facilities.
- Building / Facility Risks
  - Water shortages
  - Impacts to livestock
- Infrastructure Risks
  - Impacts to green infrastructure
  - Impacts to greenspace and outdoor facilities
  - Impacts to agricultural facilities and research
- Population Risks
  - Water use restrictions or higher pricing
  - Insufficient water supply for firefighting (extreme cases)
- Secondary Risks
  - Increased susceptibility to wildfire during drought periods



# Flood Profile

- All buildings, infrastructure, and populations at risk, those in FEMA Flood Hazard Areas are considered at highest risk
- No main campus facilities within FEMA Flood Hazard Areas
- 11 facilities within the 1.0% Annual Chance Flood Hazard Area (100-yr)
  - 3 at the North Farm
  - 5 at RCARS
  - 3 at the West Kentucky 4-H Camp
- 5 facilities within the 0.2% Annual Chance Flood Hazard Area (500-yr)
  - 1 at the North Farm
  - 4 at RCARS

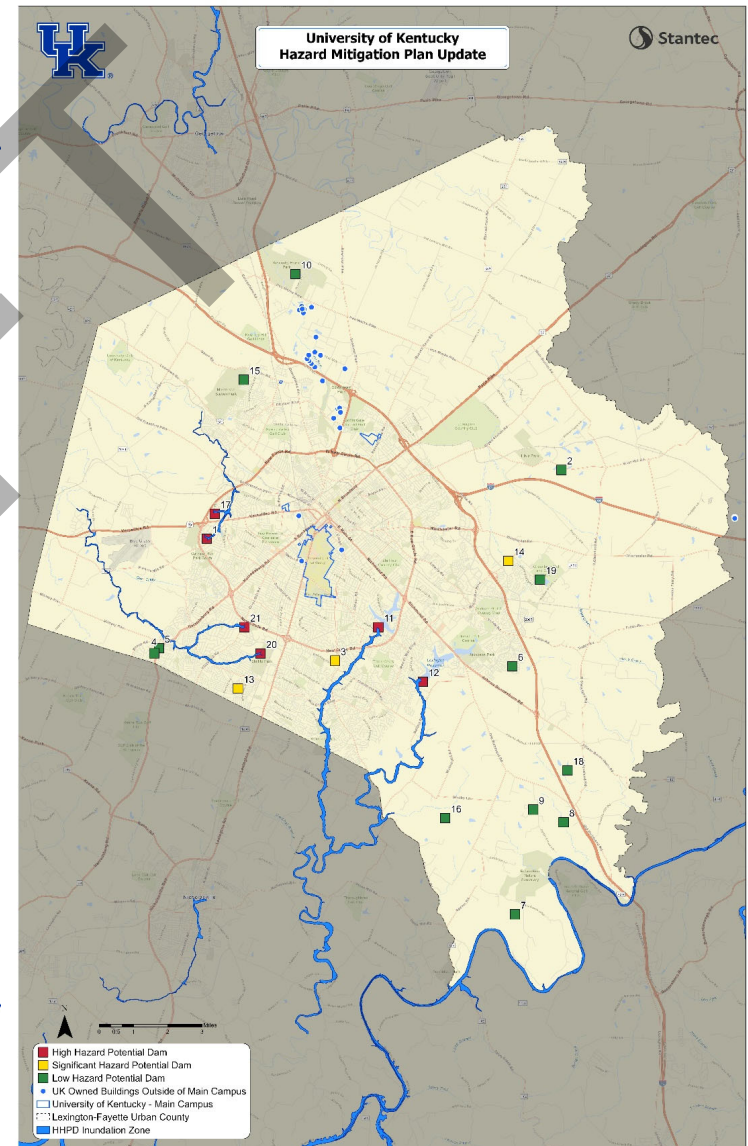




## Dam / Levee Failure

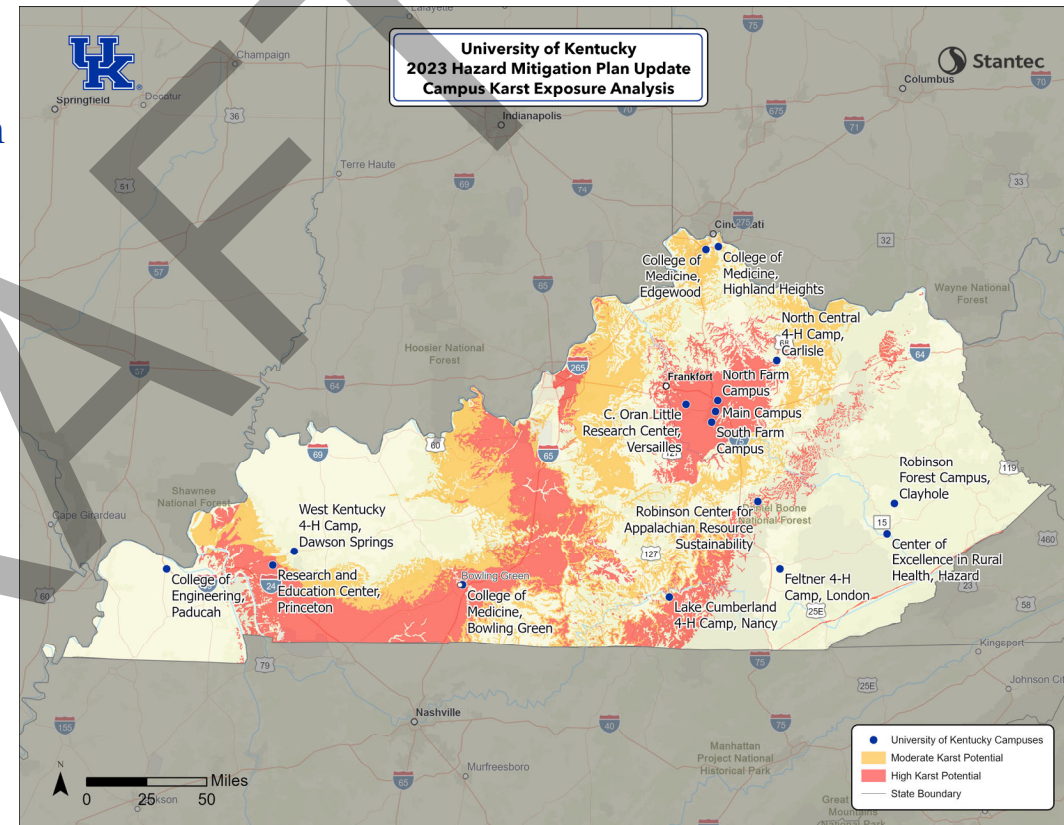


- Buildings, infrastructure, and populations in dam inundation areas or reduced flood risk levee areas are considered at risk to dam failure/ levee failure.
- No UK facilities were identified to be in or within 500 feet of a HHPD inundation area or reduced flood risk area
- Due to the topography, inundation areas in Fayette County show water flowing away from main campus

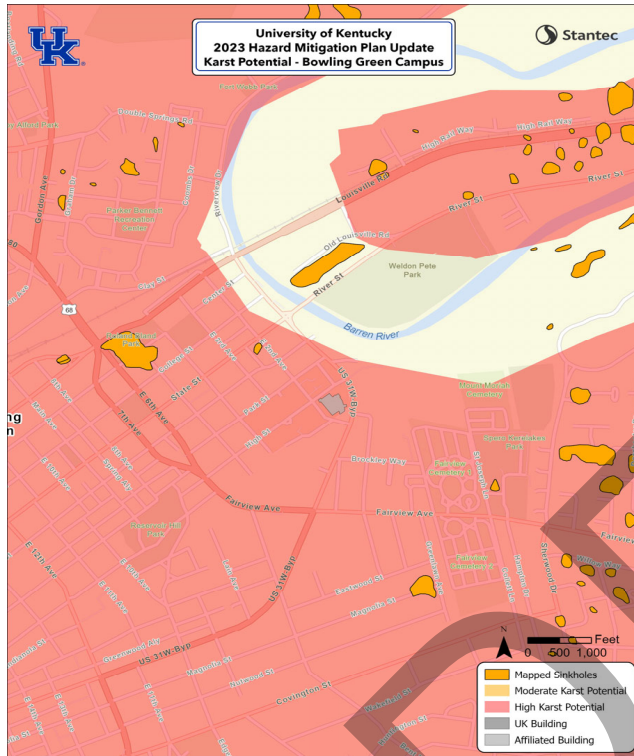


# Karst Profile

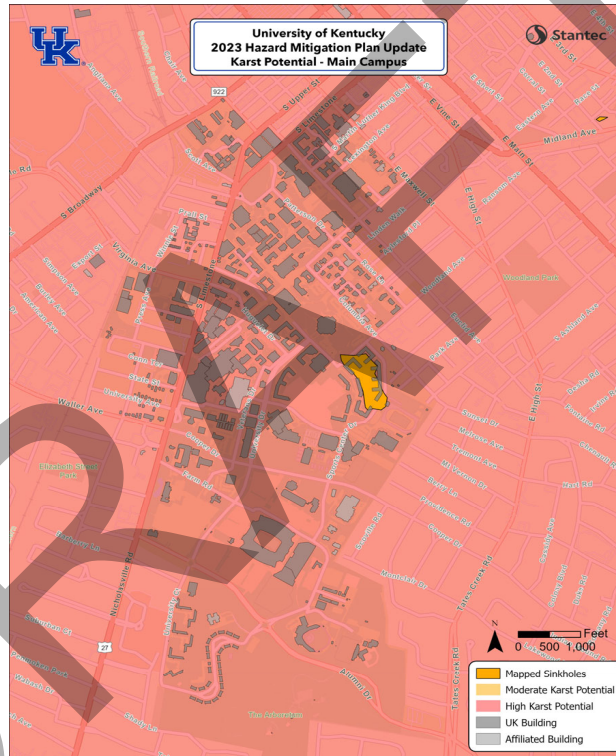
- University buildings, populations, and infrastructure located in moderate or high karst potential are considered at risk.
- Includes all the buildings on the Main Campus, North Farm Campus, South Farm Campus, the Little Research Center, and others.
- 27 critical facilities within the high karst potential area.
  - 26 are on Main Campus
  - 1 is an affiliated building (UK Specialty Pharmacy - Wellington Patient Support Services)



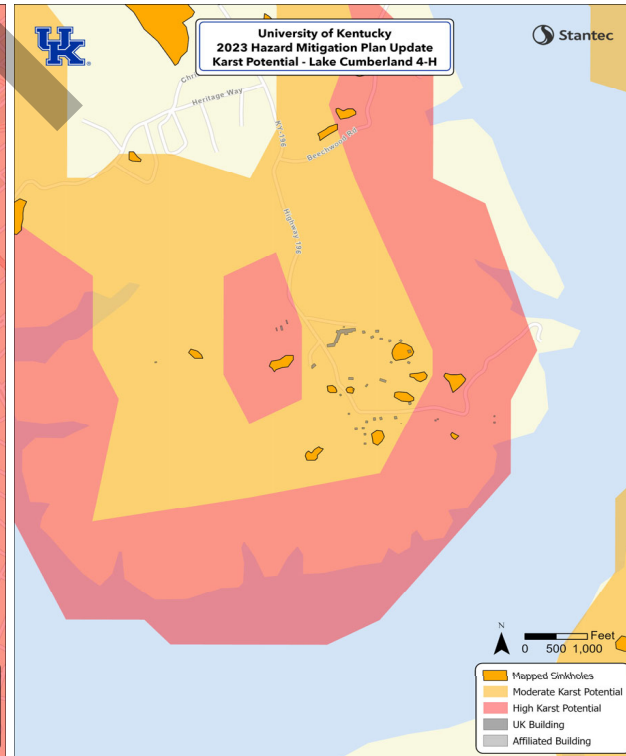
# Karst Profile



➤ Bowling Green



➤ Main Campus



➤ Lake Cumberland 4-H Camp





# Emerging Infectious Diseases



- All current and future populations on the UK campus are considered at risk to infectious illnesses
- Universities are especially vulnerable to infectious diseases due to:
  - Close living quarters and communal dining halls
  - Large number of people working in close proximity
  - Visitors from all over the world and personnel traveling all over the world
  - UK Healthcare may treat uncommon diseases
- Building / Infrastructure Risks
  - May need sterilization or decontamination
  - Use and operations of facilities may change
- Population Risks
  - Healthcare personnel face more exposure
  - Students in close living quarters face more exposure
  - Personnel traveling may be exposed to uncommon infectious diseases
- Other University Risks
  - Classes may move online
  - Operations reductions
  - The University may have to run testing facilities, quarantine facilities, and vaccine clinics.



# Survey Summary



Viewed: 858  
 Started: 220  
 Completed: 115

Students 2.82%  
 Faculty 9.60%  
 Staff 83.62%  
 Community Member 2.26%  
 Other 1.36%



## \* What is your affiliation with the University?

- ☐ Student
- ☐ Faculty
- ☐ Staff
- ☐ Community Member
- ☐ Other

## \* On which campus do you typically attend class, work, or attend events?

- ☐ University of Kentucky – Main Campus
- ☐ Little Research Center/Woodford Farm Campus
- ☐ North Farm Campus (includes North Farm Agricultural Center and Eastern State Hospital)
- ☐ South Farm Campus
- ☐ Robinson Forest Campus
- ☐ West Kentucky Substation (Research and Education Center at Princeton) Campus
- ☐ Paducah Campus (located on the West Kentucky Community and Technical College Campus)
- ☐ Hazard Campus
- ☐ College of Medicine at Bowling Green Campus
- ☐ College of Medicine at Northern Kentucky, Highland Heights Campus
- ☐ College of Medicine at Northern Kentucky, Edgewood Campus
- ☐ Feltner 4-H Camp (London, KY)
- ☐ Lake Cumberland 4-H Camp (Nancy, KY)
- ☐ North Central 4-H Camps (Carlisle, KY)
- ☐ West Kentucky 4-H Camp (Dawson Springs)
- ☐ Other

## Survey: Hazards that are the biggest threat



1. Severe Winter Storm
2. Severe Storm
3. Cyber Threats
4. Tornado
5. Hazardous Materials

1. Tornado
2. Severe Storm
3. Severe Winter Storm
4. Cyber Threats
5. Emergent Infectious Diseases



## Mitigation Successes – College of Agriculture and UK Health Care



- College of Agriculture
  - Western Kentucky housed 246 relief workers representing 26 organizations
  - 1,245 youth and families visited to pick-up necessities that were donated (canned food, personal hygiene items, baby formula, tools, clothes, and cleaning supplies)
  - Successfully applied for grant funding for tornado shelters.
  - Extension has emergency action plans for offices. (Action item is to streamline the process.)
  - UK Wellness Department provided mental health sessions to support staff at REC and RCARS.
- UK Health Care
  - Childcare for staff during pandemic
  - Regional vaccine distribution
  - Drive thru testing



# Offices for Institutional Diversity



- First generation and international students are vulnerable populations.
  - First generation students often do not have a road map for college
  - International students may have language barriers. Remain on campus during holidays/breaks, therefore they are on campus with essential staff
- Elderly staff members struggle with technology as a vulnerability.
- On-campus food pantry and couch-surfing
- Students and staff with disabilities struggle with mobility as a result of ongoing construction detours.
- Main campus near under resourced zip codes.
  - Bluegrass Community Foundation
  - Jewish Federation of Lexington
  - Fayette County Public Schools
- UK Healthcare
  - Health equity
  - Transform health
  - Polk-Dalton Clinic
  - Clinica Amiga

## Aligning the DEI Implementation Plan with UK's Strategic Plan



The DEI Implementation Plan initiatives aligned with the university's strategic plan.

### DEI and UK-PURPOSE

As Kentucky's flagship institution, the university plays a critical leadership role by promoting diversity, inclusion, economic development and human well-being. We have aligned the DEI Implementation Plan with the UK-PURPOSE Strategic Plan to accelerate inclusive excellence in all we do as we work to advance Kentucky.

LEARN MORE ABOUT  
UK'S STRATEGIC PLAN

['Behind the Blue': Katrice Albert discusses UK's DEI Implementation Plan | UKNow \(uky.edu\)](#)



## 2015 Mitigation Goals



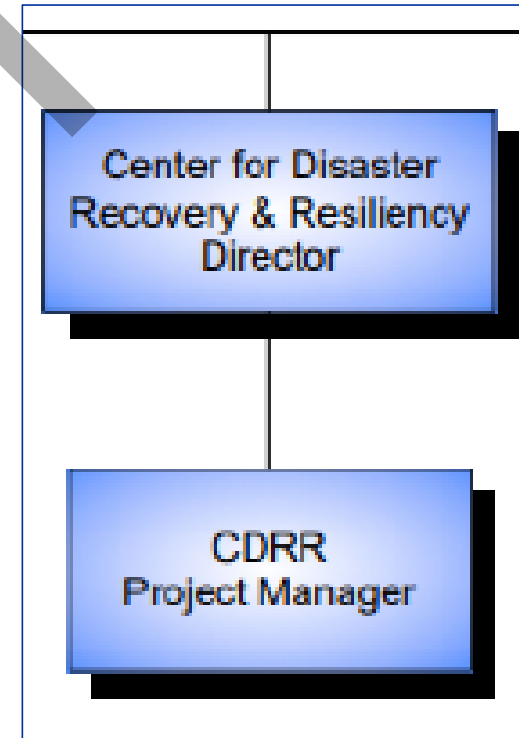
GOAL 1 Protect lives and reduce injuries from hazards and threats.

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 and response through mitigation education and outreach.





# 2023 Mitigation Actions



| <b>Name:</b>          |                                     | Disaster Recovery Manager | <b>Description:</b>   |  | Hire Disaster Recovery Manager for the Center for Disaster Recovery and Resilience | <b>Responsible Department</b> |       | Center for Disaster Recovery and Resilience |
|-----------------------|-------------------------------------|---------------------------|---|--|--|-------------------------------|-------|---|
| Prioritization Metric |                                     | Weighting Factor          | Scoring Criteria  |  | Score  | Points                        | Notes |   |
| 1                     | Feasibility                         | 20%                       | 5 – Funding identified, easily implemented within five years<br>3 – Funding identified, implemented with only moderate complexity or delays<br>1 – Funding identified, implementation is complex and faces certain delays for implementation<br>0 – Not feasible, no funding identified and/or not able to be implemented   |  | 5  | 100                           |       |   |
| 2                     | Climate Resilience                  | 20%                       | 5 – Very High (Action provides multiple benefits for climate resilience or adaptive measures)<br>3 – High (Action provides at least one benefit for climate resilience)<br>1 – Moderate (Action provides limited benefits for climate resilience)<br>0 – Low (Action does not provide benefits for climate resilience)  |  | 5  | 100                           |       |   |
| 3                     | Public (Project Type)               | 10%                       | 5 – Structural Projects<br>5 – Public Education and Awareness<br>3 – Natural Resources Protection<br>3 – Property Protection<br>3 – Emergency Services<br>1 – Prevention  |  | 5  | 50                            |       |   |
| 4                     | Public (Hazard of greatest concern) | 10%                       | 5 – Action addresses one or more hazards identified by the university community as being a high threat to the University<br>3 – Action addresses one or more hazards identified by the university community as being a moderate threat to the University<br>1 – Action addresses one or more hazards identified by the university community as being a minimal threat to the University   |  | 5  | 50                            |       |   |
| 5                     | Risk Reduction/Benefits             | 20%                       | 5 – Very High (Significant losses avoided and/or significant benefits with consideration to economic, social, and environmental factors)<br>3 – High (Numerous losses avoided and/or numerous benefits with consideration to economic, social, and environmental factors)<br>1 – Moderate (Some losses avoided, some benefits with consideration to economic, social, and environmental factors)<br>0 – Low (No losses avoided, no public benefits with consideration to economic, social, and environmental factors) |  | 3  | 60                            |       |   |
| 6                     | Costs                               | 20%                       | 5 – Project Costs are predominantly staff time<br>3 – Project Costs are estimated between \$0-\$100,000<br>1 – Project Costs are estimated between \$100,001-\$500,000<br>0 – Project Costs are estimated above \$500,000   |  | 5  | 100                           |       |   |
| Total                 |                                     | 100%                      | sum of parameter scores (max = 500)   |  |  | 460                           |       |   |



# 2023 Mitigation Actions



## Prevention

- University codes and design standards
- Building codes
- Open space preservation
- Stormwater management
- Capital improvements programming
- Security measures

## Property Protection

- Acquisition
- Relocation
- Building elevation
- Critical facilities protection
- Retrofitting (e.g., windproofing, floodproofing, seismic design techniques, etc.)
- Safe rooms, shutters, shatter-resistant glass
- Insurance



# 2023 Mitigation Actions



## Natural Resource Protection

- Floodplain protection
- Watershed management
- Riparian buffers
- Habitat preservation
- Erosion and sediment control
- Wetland preservation and restoration
- Slope stabilization
- Forest and vegetation management (e.g., fire resistant landscaping, fuel breaks, etc.)

## Emergency Services

- Warning systems
- Evacuation planning and management
- Emergency response training and exercises
- Sandbagging for flood protection
- Installing temporary shutters for wind protection



# 2023 Mitigation Actions



## Structural Projects

- Reservoirs
- Dams / levees / dikes / floodwalls
- Diversions / detention / retention
- Channel modifications
- Storm sewers

## Public Education and Awareness

- Outreach projects
- Library materials
- Student educational programs
- Hazard expositions
- Social media campaigns
- Speaker series / demonstration events
- Hazard map information
- Real estate disclosures



# Questions and Contact Information



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**910-540-9215**



**Thank you!**



University of  
Kentucky

| Last      | First   | Oranization | Department                         | Title                                | SCM1<br>9/27/22 | SCM2<br>10/27/22 | SCM3<br>3/21/23 | SCM4<br>5/23/2023 | Work Group<br>Meeting 1<br>11/18/2022 | Work Group<br>Meeting 2<br>1/13/23 | Work Group<br>Meeting 3<br>3/09/23 |
|-----------|---------|-------------|------------------------------------|--------------------------------------|-----------------|------------------|-----------------|-------------------|---------------------------------------|------------------------------------|------------------------------------|
| Adkins    | Todd    | UK          | Risk Management                    | Director                             | ✓               | ✓                |                 |                   | ✓                                     |                                    |                                    |
| Banahan   | Amanda  | UK          | UKPD                               | Marketing                            | ✓               | ✓                |                 | ✓                 |                                       |                                    |                                    |
| Berry     | Sharon  | UK          | UK Healthcare                      | Director                             | ✓               |                  |                 | ✓                 |                                       |                                    |                                    |
| Blevins   | Justin  | UK          | Residence Life                     | Director                             | ✓               |                  |                 |                   |                                       |                                    |                                    |
| Brandewie | Tim     | Fayette     | Lexington Dem                      | EMA OPS                              |                 | ✓                |                 |                   |                                       |                                    |                                    |
| Broeking  | Lance   | UK          | Transportation Services            | Director                             | ✓               | ✓                | ✓               |                   |                                       |                                    |                                    |
| Brown     | Nathan  | UK          | UKPD                               | Deputy Chief                         | ✓               | ✓                | ✓               |                   | ✓                                     | ✓                                  | ✓                                  |
| Bryan     | Josh    | UK          | UK Healthcare                      | Emergency Services                   | ✓               |                  | ✓               |                   |                                       |                                    |                                    |
| Bucher    | John    | Stantec     | Stantec                            | Planner                              |                 |                  | ✓               |                   |                                       | ✓                                  |                                    |
| Burkett   | Ian     | Red Cross   | Red Cross                          | Disaster Program Manager             |                 | ✓                |                 |                   |                                       |                                    |                                    |
| Burr      | Stephen | Fayette     | CISO - ITS                         | Associate                            |                 |                  |                 |                   |                                       |                                    | ✓                                  |
| Casteel   | Sarah   | UK          | UK Healthcare                      | ED CMC APCM                          |                 | ✓                |                 |                   |                                       |                                    |                                    |
| Chambers  | Orlando | UK          | College of Agriculture             | Associate Dean                       | ✓               |                  |                 |                   |                                       |                                    |                                    |
| Chaney    | Ashley  | UK          | UK Healthcare                      | EM Specialist                        |                 |                  | ✓               | ✓                 |                                       | ✓                                  | ✓                                  |
| Chris     | White   | UK          | Residence Life                     | Associate                            | ✓               |                  |                 |                   |                                       |                                    |                                    |
| Cooper    | James   | Fayette     | Colombia Gas of Ky                 |                                      |                 |                  | ✓               |                   |                                       |                                    |                                    |
| Dillon    | Curtis  | Fayette     | Kentucky American Water            |                                      | ✓               |                  | ✓               | ✓                 |                                       |                                    |                                    |
| Ferguson  | Travis  | UK          | College of Dentistry               | Dentist                              |                 | ✓                |                 | ✓                 |                                       |                                    |                                    |
| Geisinger | Scott   | UK          | Athletics                          | Assistant PD                         | ✓               | ✓                |                 | ✓                 | ✓                                     |                                    | ✓                                  |
| Givens    | Jonn    | Fayette     | Lextran                            | Director                             |                 | ✓                |                 | ✓                 |                                       |                                    |                                    |
| Gray      | Graham  | UK          | Utilities                          | Manger                               | ✓               | ✓                |                 | ✓                 |                                       | ✓                                  | ✓                                  |
| Greene    | Mike    | Stantec     | Stantec                            | Manager                              |                 | ✓                | ✓               | ✓                 | ✓                                     | ✓                                  |                                    |
| Handshoe  | Justin  | Fayette     | Red Cross                          | Disaster Program Manager             |                 |                  | ✓               | ✓                 |                                       |                                    |                                    |
| Haneberg  | Bill    | UK          | Ky Geol Survey                     | Director                             | ✓               | ✓                | ✓               | ✓                 | ✓                                     | ✓                                  | ✓                                  |
| Harris    | Tom     | UK          | University Relations               | Vice President                       | ✓               | ✓                | ✓               |                   |                                       |                                    |                                    |
| Hewes     | Kristen | Stantec     | Stantec                            | Project Manager                      |                 |                  | ✓               | ✓                 | ✓                                     | ✓                                  |                                    |
| Hibbard   | David   | UK          | Exec Din EHS                       | Executive Director                   | ✓               | ✓                |                 | ✓                 | ✓                                     |                                    | ✓                                  |
| Higdon    | Andrea  | UK          | College of Agriculture             | EnMgt Sys Director                   |                 | ✓                | ✓               | ✓                 |                                       | ✓                                  |                                    |
| Idstein   | Peter   | UK          | Earth & Environmental Science      | A&S Space and Facilities Coordiantor |                 | ✓                |                 |                   |                                       |                                    |                                    |
| Ketcham   | Jaxon   | UK          | UK Healthcare                      | Patient Services Coordinator         | ✓               |                  |                 |                   |                                       |                                    |                                    |
| Kielland  | Bob     | UK          | UK Environment Quality Management  | Director                             |                 |                  | ✓               |                   |                                       |                                    |                                    |
| Kilgore   | Ellen   | UK          | Office of Student Conduct          | Student Responsibility Coordinator   | ✓               | ✓                |                 |                   |                                       |                                    |                                    |
| Larkins   | Robert  | Fayette     | Lexington Fire Department          | Planning Chief                       | ✓               | ✓                | ✓               |                   |                                       |                                    |                                    |
| Lee       | Samuel  | Stantec     | Stantec                            | Senior Water Resources Engineer      | ✓               |                  |                 |                   |                                       |                                    |                                    |
| Lesley    | Catie   | UK          | Human Resources                    | AVP HR Operations                    | ✓               |                  | ✓               | ✓                 |                                       |                                    |                                    |
| Lewis     | Veronda | UK          | Crisis Management and Preparedness | Compliance Officer                   | ✓               | ✓                | ✓               |                   | ✓                                     | ✓                                  | ✓                                  |
| Marleha   | Vince   | Windstream  | Kinetic                            | Account Director                     | ✓               |                  |                 |                   |                                       |                                    |                                    |
| McKinley  | Ashley  | UK          | Auxiliary Services                 | Associate Durector Acting            |                 |                  | ✓               |                   |                                       |                                    |                                    |
| McKure    | Michael | Fayette     | Colombia Gas                       |                                      | ✓               |                  |                 |                   |                                       |                                    |                                    |
| Merriam   | Paul    | UK          | Facilities Planning and Management | Facilities Compliance Manager        |                 |                  |                 |                   |                                       | ✓                                  |                                    |
| Miller    | John    | UK          | Risk Management                    | Assistant Director                   |                 | ✓                |                 |                   |                                       |                                    |                                    |
| Miller    | Bart    | UK          | Risk Management                    | Assistant Director                   |                 |                  |                 |                   | ✓                                     |                                    |                                    |
| Monroe    | Joe     | UK          | UKPD                               | Chief                                | ✓               |                  |                 |                   |                                       |                                    |                                    |
| Moore     | Cory    | UK          | UK Healthcare                      | Ambulptory Director                  | ✓               | ✓                |                 |                   |                                       |                                    |                                    |
| Nelson    | Brandy  | UK          | Biological Safety                  | Director                             | ✓               | ✓                |                 | ✓                 |                                       |                                    |                                    |
| Nikirk    | Sarah   | UK          | Auxiliary Services                 | Executive Director                   | ✓               |                  | ✓               | ✓                 |                                       |                                    |                                    |
| Nokes     | Sue     | UK          | Act Associate Prvost Faculty       | Provost                              | ✓               |                  |                 |                   |                                       |                                    |                                    |
| Overmon   | Jay     | UK          | UKPD                               | Emergency Management Educator        | ✓               |                  |                 |                   |                                       |                                    |                                    |
| Pelarski  | Cory    | UK          | UKPD                               | Captain                              | ✓               |                  | ✓               |                   |                                       |                                    |                                    |
| Poore     | Lee     | UK          | Occupational Health & Safety       | Director                             | ✓               | ✓                |                 |                   |                                       |                                    |                                    |
| Rohde     | Steve   | Lextran     | Safety Training                    | Training Manger                      | ✓               |                  |                 |                   |                                       |                                    |                                    |
| Saylor    | Alan    | UK          | UKPD                               | Senior Police Officer                |                 | ✓                |                 |                   |                                       |                                    |                                    |



|            |             |         |                                    |                                    |   |   |   |   |   |   |   |
|------------|-------------|---------|------------------------------------|------------------------------------|---|---|---|---|---|---|---|
| Sheron     | Michael     | UK      | IT Security & Policy               | Director Privacy                   | ✓ | ✓ |   | ✓ | ✓ |   |   |
| Smith      | Andrew      | UK      | Auxiliary Services                 | Auxiliary Services                 | ✓ |   |   |   |   |   |   |
| Sooth      | Robert      | UK      | UK Healthcare                      | Business Continuity                | ✓ |   |   |   |   |   |   |
| Stamper    | Shannan     | UK      | Office of Legal Counsel            | Deputy General Council             | ✓ | ✓ |   | ✓ |   |   |   |
| Stauffer   | Steve       | UK      | UK Student Services                | Director                           | ✓ | ✓ |   | ✓ |   | ✓ |   |
| Swanson    | Barry       | UK      | UK Healthcare                      | Chief                              | ✓ | ✓ | ✓ | ✓ |   |   |   |
| Swartz     | Tammy       | UK      | UK Healthcare                      | Executive Director                 | ✓ |   |   |   |   |   |   |
| Taylor     | Nathan      | UK      | UKPD                               | Event Management Lieutenant        |   | ✓ |   |   |   |   |   |
| Thomas     | Wayne       | UK      | UKCMD                              | Director Capital Construction      |   | ✓ |   |   |   |   |   |
| Thuringer  | Chris       | UK      | IT Security & Policy               | Director Of Institutional Research |   | ✓ | ✓ |   |   |   |   |
| Tucker     | Gretchen    | UK      | Facilities Information Services    | Adminstrator Senio and Team Lead   | ✓ | ✓ |   | ✓ |   | ✓ | ✓ |
| Turner     | Rob         | UK      | UKPD                               | Major                              | ✓ |   |   | ✓ |   | ✓ | ✓ |
| Vanderpool | Ryan        | Fayette | Colombia Gas of Ky                 |                                    |   |   | ✓ |   |   |   |   |
| Vosevich   | Mary        | UK      | UK Facilities Management           | Vice President                     | ✓ | ✓ |   |   | ✓ | ✓ |   |
| Williamson | Greg        | UK      | UKFD                               | Fire Marshall                      | ✓ | ✓ |   | ✓ |   |   |   |
| Wolf       | Baron       | UK      | UK OVPR                            | Associate Vice President           |   |   | ✓ | ✓ |   |   |   |
| Wood       | Laurel      | UK      | UK Healthcare                      | Director Business Continuity       |   | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Woodson    | Sally       | UK      | Public Relations                   | Executive Communication Specialist | ✓ | ✓ |   |   |   |   |   |
| Yearly     | Cecelia     | UK      | UK Healthcare                      | Vice President                     | ✓ |   |   |   |   |   |   |
| Young      | Jay         | UK      | Facilities Planning and Management | Assitant Dean Facilities           | ✓ | ✓ |   |   |   |   |   |
| Sutherland | Kristen     | UK      | UKPD                               | CDRR PM                            |   |   |   | ✓ |   |   |   |
| Adams      | Chuck       | UK      |                                    |                                    |   |   |   | ✓ |   |   |   |
| Buford     | Christopher | UK      |                                    |                                    |   |   |   | ✓ |   |   |   |
| Emmerson   | Ann         | UK      | College of Medicine                | Planning Operations Director/COM   |   |   |   | ✓ |   |   |   |
| Howard     | Patricia    | UK      | UK Hospital                        | Adjunct Assistant Professor        |   |   |   | ✓ |   |   |   |
| Hughes     | Mark        | UK      | Information Technology Services    | Manager                            |   |   |   | ✓ |   |   |   |
| Hurley     | Christina   | UK      |                                    |                                    |   |   |   | ✓ |   |   |   |
| McKinley   | Kathy       | UK      | Campus Housing                     | Acting House                       |   |   |   | ✓ |   |   |   |
| Tedder     | Shane       | UK      | UK                                 | Sustainabiliti Officer             |   |   |   | ✓ |   |   |   |

Instructors/Facilitators MUST sign each page of the Event Roster

Kentucky Division of Emergency Management  
Event Roster

Name of Event: University of Kentucky Hazard Mitigation Plan Update  
Location: The 90, Suite 228, EOC, University of Kentucky  
Address: The 90, Suite 228  
City/Community: Lexington KY  
EDBS#/NEXS#:

Is This An Exercise? ☐ Yes ☒ No

If so, what type:

☐ Seminar ☐ Workshop ☐ TTX ☐ Game  
☐ Drill ☐ Functional ☐ Full-Scale

Event Start Date: 29-Sep-22 10:00-11:30  
Event End Date: 29-Sep-22  
Instructor/Facilitator (1): Stantec/UK Planning Team  
Instructor/Facilitator (2):  
Total Event Hours:  
Event Hours: Day 1: Day 2: Day 3: Day 4: Day 5:

If registering day-of, please print your name and email address legibly. The name on your certificate will appear as written.

Initials Only, Each Day

|    |           |    |           |                                 |                    |     |       |                           |                | Are you being Paid to attend? | Day   |              |   |   |   |   | Total |      |
|----|-----------|----|-----------|---------------------------------|--------------------|-----|-------|---------------------------|----------------|-------------------------------|-------|--------------|---|---|---|---|-------|------|
|    |           |    |           |                                 |                    |     |       |                           |                | If Yes, By Whom?              | Email | Job Category | 1 | 2 | 3 | 4 | 5     | Hrs. |
| 0  | FirstName | MI | Last Name | Title                           | Agency             |     |       | Email                     | Job Category   |                               |       |              |   |   |   |   |       |      |
| 0  | John      | Q  | Doe       | SAR Coordinator                 | XYZ County         | Yes | Local | JQD@xyzcorporation.bus    | SAR Supervisor |                               |       |              |   |   |   |   | 0     |      |
| 1  | Justin    | A  | Blewins   | Director Public Life            | U.K.               | ✓   | UK    | Sfu@uky.edu               |                |                               |       |              |   |   |   |   |       |      |
| 2  | Grady     | F  | Nikirk    | Auxiliary Services              | UK                 | ✓   | UK    | S.nikirk@uky.edu          |                |                               |       |              |   |   |   |   |       |      |
| 3  | Michael   | K  | McKune    | Columbia Gas                    | Fayette            |     |       |                           |                |                               |       |              |   |   |   |   |       |      |
| 4  | Sharon    | E  | Berry     | UK HealthCare Safety            | Fayette UK         | ✓   | UKHC  | sebern@uky.edu            |                |                               |       |              |   |   |   |   |       |      |
| 5  | Jaxon     | D  | Ketchum   |                                 | Fayette UK         | ✓   | UKHC  | jke241@uky.edu            |                |                               |       |              |   |   |   |   |       |      |
| 6  | Gretchen  |    | Tucker    | Facilities Information Services |                    | ✓   | UK    | g.tucker@uky.edu          |                |                               |       |              |   |   |   |   |       |      |
| 7  | Bill      |    | Heneberg  |                                 | KY Geol Survey /UK | ✓   | UK    | bill.heneberg@uky.edu     | hrel           |                               |       |              |   |   |   |   |       |      |
| 8  | DAVID     | W  | HIBBARD   | EXEC DIR EHS                    | UK                 | ✓   | UK    | dahibb@uky.edu            |                |                               |       |              |   |   |   |   |       |      |
| 9  | Lee       | U  | Poore     | Dir. OHS                        | UK                 | ✓   | UK    | Lee.Poore@uky.edu         |                |                               |       |              |   |   |   |   |       |      |
| 10 | Barry     | K  | Swanson   | Chief Procurement Officer       | UK                 | ✓   | UK    | barry.Swanson@uky.edu     |                |                               |       |              |   |   |   |   |       |      |
| 11 | Chris     | J  | White     | Associate Director Public Life  | U.K.               | ✓   |       | Chris.White@uky.edu       |                |                               |       |              |   |   |   |   |       |      |
| 12 | SCOTT     | K  | GRISINGER | Assistant AD (Athletics)        | U.K.               | ✓   | UK    | sgrisinger@uky.edu        |                |                               |       |              |   |   |   |   |       |      |
| 13 | Tom       | W  | HARRIS    | VP UNIVERSITY RELATIONS         | UK                 | ✓   | UK    | tom.harris@uky.edu        |                |                               |       |              |   |   |   |   |       |      |
| 14 | Curtis    | L  | Dillon    | KY American Water               | Fayette            | ✓   | KAW   | Curtis.Dillon@amwater.com |                |                               |       |              |   |   |   |   |       |      |
| 15 | Laurel    | C  | Wood      | UK Police - Business Continuity | UK                 | ✓   | UK    | laurel.wood@uky.edu       |                |                               |       |              |   |   |   |   |       |      |
| 16 | Cecelia   | B  | Yeany     | UK Healthcare                   | UK                 | ✓   | UKHC  | cecilia.yeany@uk.edu      |                |                               |       |              |   |   |   |   |       |      |
| 17 | Jay       | K  | Overman   | EM Educator                     | UK                 | ✓   | UK    | jay.Overman@uky.edu       |                |                               |       |              |   |   |   |   |       |      |
| 18 | Nathan    |    | Brown     | Deputy Chief                    | UK                 | ✓   | UK    | nathan.brown@uky.edu      |                |                               |       |              |   |   |   |   |       |      |
| 19 | Veronda   |    | Lewis     | Clery Comp. Coord.              | UK                 | ✓   | UK    | veronda.lewis@uky.edu     |                |                               |       |              |   |   |   |   |       |      |
| 20 | Amanda    |    | Banahan   | UKPD Marketing                  | UK                 | ✓   | UK    | mandi.banahan@uky.edu     |                |                               |       |              |   |   |   |   |       |      |
| 21 | Bob       | K  | Turner    | UKPD Major                      | UK                 | ✓   | UK    | rob.turner@uky.edu        |                |                               |       |              |   |   |   |   |       |      |
| 22 | Cory      |    | Pelarski  | UKPD Captain                    | UK                 | ✓   | UK    | cory.pelarski@uky.edu     |                |                               |       |              |   |   |   |   |       |      |
| 23 | Shannon   |    | Stampfer  | Dep. Gen. Counsel               | UK                 | ✓   | UK    | Shannon.Stampfer@uky.edu  |                |                               |       |              |   |   |   |   |       |      |
| 24 |           |    |           |                                 |                    |     |       |                           |                |                               |       |              |   |   |   |   |       |      |
| 25 |           |    |           |                                 |                    |     |       |                           |                |                               |       |              |   |   |   |   |       |      |



Instructors/Facilitators MUST sign each page of the Event Roster

# Kentucky Division of Emergency Management

## Event Roster

Name of Event: University of Kentucky Hazard Mitigation Plan Update  
 Location: The 90, Suite 228, EOC, University of Kentucky  
 Address: The 90, Suite 228  
 City/Community: Lexington KY  
 EDBS#/NEXS#:

Is This An Exercise? ☐ Yes ☒ No

If so, what type:

☐ Seminar ☐ Workshop ☐ TTX ☐ Game  
☐ Drill ☐ Functional ☐ Full-Scale

Event Start Date: 29-Sep-22  
 Event End Date: 29-Sep-22  
 Instructor/Facilitator (1): Stantec/UK Planning Team  
 Instructor/Facilitator (2):  
 Total Event Hours:

Event Hours: Day 1: Day 2: Day 3: Day 4: Day 5:

If registering day-of, please print your name and email address legibly. The name on your certificate will appear as written.

Initials Only, Each Day

|    | FirstName | MI | Last Name | Title                    | Agency                | Are you being Paid to attend? |            | Email                         | Job Category   | Day |   |   |   |   | Total Hrs. |
|----|-----------|----|-----------|--------------------------|-----------------------|-------------------------------|------------|-------------------------------|----------------|-----|---|---|---|---|------------|
|    |           |    |           |                          |                       | If Yes, By Whom?              |            |                               |                | 1   | 2 | 3 | 4 | 5 |            |
| 0  | John      | Q  | Doe       | SAR Coordinator          | XYZ County            | Yes                           | Local      | JQD@xyzcorporation.bus        | SAR Supervisor |     |   |   |   |   | 0          |
| 1  | Steve     |    | Rohde     | Safety Training          | Lextran               |                               |            | Srohde@lextran.com            | Manager        |     |   |   |   |   |            |
| 2  | M. Arnold | P  | Arnold    | DIRECTOR PRIVACY         | UK                    |                               | UK         | MARNOLD.SHzar@uky.edu         | SPRINT         |     |   |   |   |   |            |
| 3  | Tammy     | R  | Swartz    | EM Director              | UKHC                  |                               | UK         | tammy.swartz@uky.edu          |                |     |   |   |   |   |            |
| 4  | Ellen     | C  | Kilgore   | Student Responsibility   | OSC-UK                |                               | UK         | ellen.kilgore@uky.edu         |                |     |   |   |   |   |            |
| 5  | Brandy    | J  | Nelson    | BS/RS Director           | UK                    |                               | UK         | bnels3@uky.edu                |                |     |   |   |   |   |            |
| 6  | Robert    | J  | Larkin    | Planning Chief           | Lexington Fire Dept   |                               | Lex Fire   | rlarkin@lexingtonky.gov       |                |     |   |   |   |   |            |
| 7  | Sally     |    | Woodson   | Public relations         | UK                    |                               | UK         | Sally@uky.edu                 |                |     |   |   |   |   |            |
| 8  | Jay       |    | Young     | Asst. Dean Facilities    | UK: A&S               |                               | UK         | jay.young@uky.edu             |                |     |   |   |   |   |            |
| 9  | Cathy     | H  | Wolby     | AVP HR Operations        | UK- HR                |                               | UK         | cathy.wolby@uky.edu           |                |     |   |   |   |   |            |
| 10 | MARY      |    | VOSEVICH  | Facilities               | UK Facilities Mgmt    |                               | UK         | mary.vosevich@uky.edu         | Eric Monday    |     |   |   |   |   |            |
| 11 | Corey     | T  | Moore     | Ambulance Director       | UKHC                  |                               | UK         | Corey.moore@uky.edu           |                |     |   |   |   |   |            |
| 12 | Graham    | M  | Gray      | WEM Mgr                  | Utilities             |                               | UK         | ggray2@uky.edu                | Vosevich       |     |   |   |   |   |            |
| 13 | Lance     | E  | Broeking  | Director Transp. Svcs    | UK Transp. Services   |                               | UK         | Lance@uky.edu                 |                |     |   |   |   |   |            |
| 14 | Orlando   | D  | Chambers  | CAFE                     | UK                    |                               | UK         | o chambers@uky.edu            | N. Cox         |     |   |   |   |   |            |
| 15 | Vince     |    | Marlette  |                          | Kinetic by Windstream |                               | Windstream | vince.marlette@windstream.com |                |     |   |   |   |   |            |
| 16 | STEVE     |    | STAUFFER  | DIRECTOR FACILITIES      | UK STUDENT SERVICES   |                               | UK         | S.Stauffer@uky.edu            |                |     |   |   |   |   |            |
| 17 | GREG      |    | Williams  | FIRE MARSHAL             | UK                    |                               | UK         | ggwill2@uky.edu               |                |     |   |   |   |   |            |
| 18 | SAM       |    | LEE       | CIVIL ENGINEER           | STANTEC               |                               |            | Samuel.Lee2@stantec.com       |                |     |   |   |   |   |            |
| 19 | Josh      |    | Bryan     | Emergency Services UK    | UKHC                  |                               | UK         | ja.bryan@uky.edu              |                |     |   |   |   |   |            |
| 20 | Rob       |    | Turner    | UK POLICE                | UK POLICE             |                               | UK         | rob.turner@uky.edu            | duplicate      |     |   |   |   |   |            |
| 21 | Todd      |    | Adkins    | Dir. Risk Mgt            | Risk Mgt              |                               | UK         | todd.adkins@uky.edu           |                |     |   |   |   |   |            |
| 22 | Joe       |    | Monroe    | Chief of Police          | UKPD                  |                               | UK         | joe.monroe@uky.edu            |                |     |   |   |   |   |            |
| 23 | Sue       |    | Nokes     | Asst Assoc. Prov Faculty | Provost               |                               | UK         | snokes@uky.edu                |                |     |   |   |   |   |            |
| 24 | Andrew    | M  | Smith     | AVP Bus Service          | Bus Serv.             |                               | UK         | Andrew.Drew.smith@uky.edu     | Fraser         |     |   |   |   |   |            |
| 25 | Robert    | M  | Booth     | UKHC Business Continuity | UKHC                  |                               | UK         | Mikebooth@uky.edu             |                |     |   |   |   |   |            |



Instructors/Facilitators MUST sign each page of the Event Roster

# Kentucky Division of Emergency Management Event Roster

Name of Event: UK Hazard Mitigation Plan Update  
Location: UK Gatton Student Center, Worshema Cinema  
Address: 160 Avenue of Champions  
City/Community: Lexington, Kentucky  
EDBS#/NEXS#:

Is This An Exercise? ☐ Yes ☒ No  
If so, what type:  
☐ Seminar ☐ Workshop ☐ TTX ☐ Game  
☐ Drill ☐ Functional ☐ Full-Scale

Event Start Date: October 27, 2022  
Event End Date: October 27, 2022  
Instructor/Facilitator (1): 9:30-10:30  
Instructor/Facilitator (2):  
Total Event Hours:  
Event Hours: Day 1: Day 2: Day 3: Day 4: Day 5:

If registering day-of, please print your name and email address legibly. The name on your certificate will appear as written.

Initials Only, Each Day

|           |         |           |            |                                |                  | Are you being Paid to attend? |              |                           |                | Day Day Day Day Day Total |   |   |      |
|-----------|---------|-----------|------------|--------------------------------|------------------|-------------------------------|--------------|---------------------------|----------------|---------------------------|---|---|------|
| FirstName | MI      | Last Name | Title      | Agency                         | If Yes, By Whom? | Email                         | Job Category | 1                         | 2              | 3                         | 4 | 5 | Hrs. |
| 0         | John    | Q         | Doe        | SAR Coordinator                | XYZ County       | Yes                           | Local        | JQD@xyzcorporation.bus    | SAR Supervisor |                           |   |   | 0    |
| 1         | Laurel  |           | Wood       | Director, Business Continuity  | UK               | Yes                           | UK           | laurel.wood@uky.edu       |                |                           |   |   |      |
| 2         | Sally   |           | WOODSON    | SPECIALIST, PR                 | UK               |                               | UK           | sally@uky.edu             |                |                           |   |   |      |
| 3         | MIKE    |           | GREEN      | MANPOWER                       | STANTEC          | YES                           |              | MIKE.L.PGREEN@STANTEC.COM |                |                           |   |   |      |
| 4         | Veronda |           | LEWIS      | Clery Coord                    | UK               | YES                           | UK           | Veronda.lewis@uky.edu     |                |                           |   |   |      |
| 5         | Scott   |           | Geisinger  | Assistant AD                   | UK               | YES                           | UK           | sgeisinger@uky.edu        |                |                           |   |   |      |
| 6         | CHRIS   |           | BUFOX      | FMHC MGR                       | FMHC             | YES                           | UK           | chris.bufox@uky.edu       |                |                           |   |   |      |
| 7         | Nathan  |           | BROWN      | UK Dist. Chief                 | UK PD            | YES                           | UK           | nathan.brown@uky.edu      |                |                           |   |   |      |
| 8         | Tom     |           | HARRIS     | VP Univer. Relations           | UK               | Yes                           | UK           | Tom.harris@uky.edu        |                |                           |   |   |      |
| 9         | Ian     |           | Burkett    | Disaster Program Mgr           | Red Cross        | Yes                           | Red Cross    | ian.burkett@redcross.org  |                |                           |   |   |      |
| 10        | Jay     |           | Young      | UK A/S Asst Dean               | UK A/S           | Yes                           | Yes          | jay.young@uky.edu         |                |                           |   |   |      |
| 11        | Gutchen |           | Trucker    |                                |                  | Yes                           | UK           | g.trucker@uky.edu         |                |                           |   |   |      |
| 12        | Cory    |           | Moore      | UK Health Care                 |                  | Yes                           | UK           | Cory.Moore@uky.edu        |                |                           |   |   |      |
| 13        | Andrea  |           | Higdon     | EnMgmt Sys Dir                 | UK CAFE          | Yes                           | UK           | andrea.higdon@uky.edu     |                |                           |   |   |      |
| 14        | Wayne   |           | THOMAS     | DIRECTOR, CAPITAL CONSTRUCTION | UK CPMD          | Yes                           | UK           | wayne.thomas@uky.edu      |                |                           |   |   |      |
| 15        | MARY    |           | ROSEVICH   | VP FM                          | UK               | Yes                           | UK           |                           |                |                           |   |   |      |
| 16        | TRAVIS  | A         | Ferguson   | Deputystry                     | UK               | Yes                           | UK           | tferg@uky.edu             |                |                           |   |   |      |
| 17        | Greg    |           | Williamson | UKFM                           | UK               | Yes                           | UK           | gawill2@uky.edu           |                |                           |   |   |      |
| 18        | DAVID   | W         | HIBBARD    | EXEC DIR E&S                   | UK               | Yes                           | UK           | dwhibb@uky.edu            |                |                           |   |   |      |
| 19        | Lee     |           | Poore      | Dir. of OHS                    | UK               | Yes                           | UK           | Lee.Poore@uky.edu         |                |                           |   |   |      |
| 20        | Bill    |           | Honeberg   | KGS Director                   | UK/KGS           | Yes                           | UK           | bill.honeberg@uky.edu     |                |                           |   |   |      |
| 21        | Sarah   |           | CASTELL    | ED CMC KRCM                    | UK HealthCare    | Yes                           | UK           | sarah.castell@uky.edu     |                |                           |   |   |      |
| 22        | Shannon |           | Stanger    | Deputy General Counsel         | UK Legal         | Yes                           | UK           | shannon.stanger@uky.edu   |                |                           |   |   |      |
| 23        | Peter   |           | Idstein    | AS Spec Facilities             | UK               | Yes                           | UK           | peter.idstein@uky.edu     |                |                           |   |   |      |
| 24        |         |           |            |                                |                  |                               |              |                           |                |                           |   |   |      |
| 25        |         |           |            |                                |                  |                               |              |                           |                |                           |   |   |      |

Page: of

Ver 8 Rev 12/2013

Instructor/Facilitator Signature: \_\_\_\_\_

Co-Instructor/Facilitator Signature: \_\_\_\_\_

Instructors/Facilitators MUST sign each page of the Event Roster

# Kentucky Division of Emergency Management Event Roster

Name of Event: UK Hazard Mitigation Plan Update  
 Location: UK Gatton Student Center, Worshema Cinema  
 Address: 160 Avenue of Champions  
 City/Community: Lexington, Kentucky  
 EDBS#/NEXS#: \_\_\_\_\_

Is This An Exercise? ☐ Yes ☒ No  
 If so, what type:  
☐ Seminar ☐ Workshop ☐ TTX ☐ Game  
☐ Drill ☐ Functional ☐ Full-Scale

Event Start Date: October 27, 2022  
 Event End Date: October 27, 2022  
 Instructor/Facilitator (1): 9:30-10:30  
 Instructor/Facilitator (2): \_\_\_\_\_  
 Total Event Hours: \_\_\_\_\_

Event Hours: Day 1: \_\_\_\_\_ Day 2: \_\_\_\_\_ Day 3: \_\_\_\_\_ Day 4: \_\_\_\_\_ Day 5: \_\_\_\_\_

If registering day-of, please print your name and email address legibly. The name on your certificate will appear as written.

Initials Only, Each Day

Are you being Paid to  
attend?  
If Yes, By Whom?

| FirstName | MI      | Last Name | Title   | Agency                | Email                 | Job Category           | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Total Hrs. |
|-----------|---------|-----------|---------|-----------------------|-----------------------|------------------------|-------|-------|-------|-------|-------|------------|
| 26        | Michael | P         | Sheron  | Director of Privacy   | UK- ITS               | Michael.Sheron@uky.edu |       |       |       |       |       |            |
| 27        | Ellen   |           | Kilgore | UK-DCS Student Center | ellen.kilgore@uky.edu |                        |       |       |       |       |       |            |
| 28        |         |           |         |                       |                       |                        |       |       |       |       |       |            |
| 29        |         |           |         |                       |                       |                        |       |       |       |       |       |            |
| 30        |         |           |         |                       |                       |                        |       |       |       |       |       |            |
| 31        |         |           |         |                       |                       |                        |       |       |       |       |       |            |
| 32        |         |           |         |                       |                       |                        |       |       |       |       |       |            |
| 33        |         |           |         |                       |                       |                        |       |       |       |       |       |            |
| 34        |         |           |         |                       |                       |                        |       |       |       |       |       |            |
| 35        |         |           |         |                       |                       |                        |       |       |       |       |       |            |
| 36        |         |           |         |                       |                       |                        |       |       |       |       |       |            |
| 37        |         |           |         |                       |                       |                        |       |       |       |       |       |            |
| 38        |         |           |         |                       |                       |                        |       |       |       |       |       |            |
| 39        |         |           |         |                       |                       |                        |       |       |       |       |       |            |
| 40        |         |           |         |                       |                       |                        |       |       |       |       |       |            |
| 41        |         |           |         |                       |                       |                        |       |       |       |       |       |            |
| 42        |         |           |         |                       |                       |                        |       |       |       |       |       |            |
| 43        |         |           |         |                       |                       |                        |       |       |       |       |       |            |
| 44        |         |           |         |                       |                       |                        |       |       |       |       |       |            |
| 45        |         |           |         |                       |                       |                        |       |       |       |       |       |            |
| 46        |         |           |         |                       |                       |                        |       |       |       |       |       |            |
| 47        |         |           |         |                       |                       |                        |       |       |       |       |       |            |
| 48        |         |           |         |                       |                       |                        |       |       |       |       |       |            |
| 49        |         |           |         |                       |                       |                        |       |       |       |       |       |            |
| 50        |         |           |         |                       |                       |                        |       |       |       |       |       |            |
| 51        |         |           |         |                       |                       |                        |       |       |       |       |       |            |

Page: \_\_\_\_\_ of \_\_\_\_\_

Ver 8 Rev 12/2013

Instructor/Facilitator Signature: \_\_\_\_\_

Co-Instructor/Facilitator Signature: \_\_\_\_\_

Instructors/Facilitators MUST sign each page of the Event Roster

# Kentucky Division of Emergency Management Event Roster

Name of Event: UK Hazard Mitigation Plan Update  
Location: UK Gatton Student Center, Worshema Cinema  
Address: 160 Avenue of Champions  
City/Community: Lexington, Kentucky  
EDBS#/NEXS#:

Is This An Exercise? ☐ Yes ☒ No  
If so, what type:  
☐ Seminar ☐ Workshop ☐ TTX ☐ Game  
☐ Drill ☐ Functional ☐ Full-Scale

Event Start Date: October 27, 2022  
Event End Date: October 27, 2022  
Instructor/Facilitator (1): 7:30 - 10:30  
Instructor/Facilitator (2):  
Total Event Hours:

Event Hours: Day 1: Day 2: Day 3: Day 4: Day 5:

If registering day-of, please print your name and email address legibly. The name on your certificate will appear as written.

Initials Only, Each Day

|    | FirstName | MI | Last Name | Title           | Agency     | Are you being Paid to attend? |       | Email                  | Job Category   | Day |   |   |   |   | Total Hrs. |
|----|-----------|----|-----------|-----------------|------------|-------------------------------|-------|------------------------|----------------|-----|---|---|---|---|------------|
|    |           |    |           |                 |            | Yes                           | Local |                        |                | 1   | 2 | 3 | 4 | 5 |            |
| 0  | John      | Q  | Doe       | SAR Coordinator | XYZ County | Yes                           | Local | JQD@xyzcorporation.bus | SAR Supervisor |     |   |   |   |   | 0          |
| 1  | Graham    | M  | Gray      | Utilities       | UK         | N                             |       | gmgray2@uky.edu        |                |     |   |   |   |   |            |
| 2  | Brandy    | J  | Nelson    | EHS             | UK         | N                             |       | brandy3@uky.edu        | Safety         |     |   |   |   |   |            |
| 3  | Todd      | W  | Adkins    | Risk Mgt.       | UK         | N                             |       | Todd.Adkins@uky.edu    |                |     |   |   |   |   |            |
| 4  | Barb      | B  | Miller    | Risk Mgt.       | UK         | N                             |       | Barb.miller@uky.edu    |                |     |   |   |   |   |            |
| 5  | Mandi     | L  | Baranuk   | UKPD            | UK         | N                             |       | Mandi.baranuk@uky.edu  |                |     |   |   |   |   |            |
| 6  | Nathan    | S  | Taylor    | UKPD            | UK         | N                             |       | Nathan.Taylor@uky.edu  |                |     |   |   |   |   |            |
| 7  | Alan      | L  | Smyles    | UKPD            | UK         | N                             |       | alan.smyles@uky.edu    |                |     |   |   |   |   |            |
| 8  |           |    |           |                 |            |                               |       |                        |                |     |   |   |   |   |            |
| 9  |           |    |           |                 |            |                               |       |                        |                |     |   |   |   |   |            |
| 10 |           |    |           |                 |            |                               |       |                        |                |     |   |   |   |   |            |
| 11 |           |    |           |                 |            |                               |       |                        |                |     |   |   |   |   |            |
| 12 |           |    |           |                 |            |                               |       |                        |                |     |   |   |   |   |            |
| 13 |           |    |           |                 |            |                               |       |                        |                |     |   |   |   |   |            |
| 14 |           |    |           |                 |            |                               |       |                        |                |     |   |   |   |   |            |
| 15 |           |    |           |                 |            |                               |       |                        |                |     |   |   |   |   |            |
| 16 |           |    |           |                 |            |                               |       |                        |                |     |   |   |   |   |            |
| 17 |           |    |           |                 |            |                               |       |                        |                |     |   |   |   |   |            |
| 18 |           |    |           |                 |            |                               |       |                        |                |     |   |   |   |   |            |
| 19 |           |    |           |                 |            |                               |       |                        |                |     |   |   |   |   |            |
| 20 |           |    |           |                 |            |                               |       |                        |                |     |   |   |   |   |            |
| 21 |           |    |           |                 |            |                               |       |                        |                |     |   |   |   |   |            |
| 22 |           |    |           |                 |            |                               |       |                        |                |     |   |   |   |   |            |
| 23 |           |    |           |                 |            |                               |       |                        |                |     |   |   |   |   |            |
| 24 |           |    |           |                 |            |                               |       |                        |                |     |   |   |   |   |            |
| 25 |           |    |           |                 |            |                               |       |                        |                |     |   |   |   |   |            |

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Ver 8 Rev 12/2013

Instructor/Facilitator Signature: \_\_\_\_\_

Co-Instructor/Facilitator Signature: \_\_\_\_\_



Kentucky Division of Emergency Management  
Event Roster

Name of Event: University of Kentucky Hazard Mitigation Plan Workgroup  
Location: The 90, Suite 228, EOC, University of Kentucky  
Address: The 90, Suite 228  
City/Community: Lexington KY  
EDBS#/NEXS#:

Is This An Exercise? ☐ Yes ☒ No  
If so, what type:  
☐ Seminar ☐ Workshop ☐ TTX ☐ Game  
☐ Drill ☐ Functional ☐ Full-Scale

Event Start Date: 13-Jan-23  
Event End Date: 13-Jan-23  
Instructor/Facilitator (1): Stantec/UK Team  
Instructor/Facilitator (2):  
Total Event Hours:

Event Hours: Day 1: Day 2: Day 3: Day 4: Day 5:

If registering day-of, please print your name and email address legibly. The name on your certificate will appear as written.

Initials Only, Each Day

Are you being Paid to attend?

1

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15

| FirstName | MI | Last Name          | Title                        | Agency          | If Yes, By Whom? | Email                     | Job Category | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Total Hrs. |
|-----------|----|--------------------|------------------------------|-----------------|------------------|---------------------------|--------------|-------|-------|-------|-------|-------|------------|
| 26        |    | Andrea Higdon      | Em Mgmt Syst Dir             | UK CAFE         | ✓                | andrea.higdon@uky.edu     |              |       |       |       |       |       |            |
| 27        |    | Paul Merriam       | Facilities Mgr               | UK OFPD         | ✓                | Paul.Merriam@uky.edu      |              |       |       |       |       |       |            |
| 28        |    | Arthur Brown       | Deputy Chief                 | UKPD            | ✓                | Nathan.Brown@uky.edu      |              |       |       |       |       |       |            |
| 29        |    | G. Tuck            | ITS Geospatial               | UK              | ✓                | g.tuck@uky.edu            |              |       |       |       |       |       |            |
| 30        |    | MARY VOSEVICH      | VP FM                        | Pacific Mgmt    | ✓                |                           |              |       |       |       |       |       |            |
| 31        |    | STEVE STAUFFER     | DIRECTOR EAC PL              | STUDENT SUCCESS | ✓                | S.STAUFFER@uky.edu        |              |       |       |       |       |       |            |
| 32        |    | Laurel Wood        | Director Business Continuity | UKPD            | ✓                | laurel.wood@uky.edu       |              |       |       |       |       |       |            |
| 33        |    | Graham Gray        | Utilities Mgr                | UK Utilities    | ✓                | gmgray2@uky.edu           |              |       |       |       |       |       |            |
| 34        |    | Rob Turner         | UKPD MAT.                    | UKPD            | ✓                | rob.turner@uky.edu        |              |       |       |       |       |       |            |
| 35        | C  | William HONERBERG  | KGS DIRECTOR                 | KGS             | YES              | BILL.HONERBERG@uky.edu    |              |       |       |       |       |       |            |
| 36        |    | VERONDA LEWIS      | CLERY COMP COORD             | UK CMP          | YES              | VERONDA.LEWIS@uky.edu     |              |       |       |       |       |       |            |
| 37        |    | ASHLEY CHANEY      | EMERGENCY MANAGEMENT         | UK CMP          | YES              | ASHLEY.CHANEY@uky.edu     |              |       |       |       |       |       |            |
| 38        |    | KRISTEN HEWES      | PROJECT MANAGER              | STANTEC         | YES              | KRISTEN.HEWES@stantec.com |              |       |       |       |       |       |            |
| 39        |    | JOHN BUCHER        | ASST PROJECT MGR             | STANTEC         | YES              | JOHN.BUCHER@stantec.com   |              |       |       |       |       |       |            |
| 40        |    | MIKE GREENE        | PROGRAM MGR                  | STANTEC         | YES              | MIKE.GREENE@stantec.com   |              |       |       |       |       |       |            |
| 41        |    | CHRISTOPHER BUFORD |                              |                 |                  |                           |              |       |       |       |       |       |            |
| 42        |    | STEPHEN BURR       |                              |                 |                  |                           |              |       |       |       |       |       |            |
| 43        |    | ANDY EMERSON       |                              |                 |                  |                           |              |       |       |       |       |       |            |
| 44        |    | DAVID HIBBARD      |                              |                 |                  |                           |              |       |       |       |       |       |            |
| 45        |    | MATTHEW MOY        |                              |                 |                  |                           |              |       |       |       |       |       |            |
| 46        |    | JAY OVERMAN        |                              |                 |                  |                           |              |       |       |       |       |       |            |
| 47        |    | MICHAEL SHERON     |                              |                 |                  |                           |              |       |       |       |       |       |            |
| 48        |    |                    |                              |                 |                  |                           |              |       |       |       |       |       |            |
| 49        |    |                    |                              |                 |                  |                           |              |       |       |       |       |       |            |
| 50        |    |                    |                              |                 |                  |                           |              |       |       |       |       |       |            |
| 51        |    |                    |                              |                 |                  |                           |              |       |       |       |       |       |            |

Instructor/Facilitator Signature: \_\_\_\_\_

Co-Instructor/Facilitator Signature: \_\_\_\_\_

Kentucky Division of Emergency Management  
Event Roster

Name of Event: University of Kentucky Hazard Mitigation Plan Workgroup  
Location: The 90, Suite 228, EOC, University of Kentucky  
Address: The 90, Suite 228  
City/Community: Lexington KY  
EDBS#/NEXS#:

Is This An Exercise? ☐ Yes ☒ No  
If so, what type:  
☐ Seminar ☐ Workshop ☐ TTX ☐ Game  
☐ Drill ☐ Functional ☐ Full-Scale

Event Start Date: 13-Jan-23  
Event End Date: 13-Jan-23  
Instructor/Facilitator (1): Stantec/UK Team  
Instructor/Facilitator (2):  
Total Event Hours:

Event Hours: Day 1: Day 2: Day 3: Day 4: Day 5:

If registering day-of, please print your name and email address legibly. The name on your certificate will appear as written.

Initials Only, Each Day

COPIED LIST OVER TO ONE PAGE

Are you being Paid to attend?

|    | FirstName | MI | Last Name | Title                | Agency | If Yes, By Whom? | Email                 | Job Category | Day |   |   |   |   | Total Hrs. |
|----|-----------|----|-----------|----------------------|--------|------------------|-----------------------|--------------|-----|---|---|---|---|------------|
|    |           |    |           |                      |        |                  |                       |              | 1   | 2 | 3 | 4 | 5 |            |
| 26 | William   | C  | Haneberg  | KGS Director         | KGS    | yes UK           | bill.haneberg@uky.edu |              |     |   |   |   |   |            |
| 27 | Veronda   |    | Lewis     | Clery Comp. Coord.   | UK CMP | yes UK           | Veronda.lewis@uky.edu |              |     |   |   |   |   |            |
| 28 | Ashley    |    | Chaney    | Emergency Management | UK CMP | yes UK           | Chaney.Ashley@uky.edu |              |     |   |   |   |   |            |
| 29 |           |    |           |                      |        |                  |                       |              |     |   |   |   |   |            |
| 30 |           |    |           |                      |        |                  |                       |              |     |   |   |   |   |            |
| 31 |           |    |           |                      |        |                  |                       |              |     |   |   |   |   |            |
| 32 |           |    |           |                      |        |                  |                       |              |     |   |   |   |   |            |
| 33 |           |    |           |                      |        |                  |                       |              |     |   |   |   |   |            |
| 34 |           |    |           |                      |        |                  |                       |              |     |   |   |   |   |            |
| 35 |           |    |           |                      |        |                  |                       |              |     |   |   |   |   |            |
| 36 |           |    |           |                      |        |                  |                       |              |     |   |   |   |   |            |
| 37 |           |    |           |                      |        |                  |                       |              |     |   |   |   |   |            |
| 38 |           |    |           |                      |        |                  |                       |              |     |   |   |   |   |            |
| 39 |           |    |           |                      |        |                  |                       |              |     |   |   |   |   |            |
| 40 |           |    |           |                      |        |                  |                       |              |     |   |   |   |   |            |
| 41 |           |    |           |                      |        |                  |                       |              |     |   |   |   |   |            |
| 42 |           |    |           |                      |        |                  |                       |              |     |   |   |   |   |            |
| 43 |           |    |           |                      |        |                  |                       |              |     |   |   |   |   |            |
| 44 |           |    |           |                      |        |                  |                       |              |     |   |   |   |   |            |
| 45 |           |    |           |                      |        |                  |                       |              |     |   |   |   |   |            |
| 46 |           |    |           |                      |        |                  |                       |              |     |   |   |   |   |            |
| 47 |           |    |           |                      |        |                  |                       |              |     |   |   |   |   |            |
| 48 |           |    |           |                      |        |                  |                       |              |     |   |   |   |   |            |
| 49 |           |    |           |                      |        |                  |                       |              |     |   |   |   |   |            |
| 50 |           |    |           |                      |        |                  |                       |              |     |   |   |   |   |            |
| 51 |           |    |           |                      |        |                  |                       |              |     |   |   |   |   |            |

Instructor/Facilitator Signature: \_\_\_\_\_

Co-Instructor/Facilitator Signature: \_\_\_\_\_

Kentucky Division of Emergency Management  
Event Roster

Name of Event: University of Kentucky Hazard Mitigation Plan Workgroup  
Location: The 90 - Suite 228 - Emergency Operations Center  
Address: University of Kentucky  
City/Community: Lexington KY  
EDBS#/NEXS#:

Is This An Exercise? ☐ Yes ☒ No

If so, what type:

☐ Seminar ☐ Workshop ☐ TTX ☐ Game

☐ Drill ☐ Functional ☐ Full-Scale

Event Start Date: 3/21/2023 1.30 pm  
Event End Date: 3/21/2023 3.00 pm  
Instructor/Facilitator (1): Stantec/UK Team  
Instructor/Facilitator (2):  
Total Event Hours:  
Event Hours: Day 1: Day 2: Day 3: Day 4: Day 5:

If registering day-of, please print your name and email address legibly. The name on your certificate will appear as written.

Initials Only, Each Day

| Are you being Paid to attend? |         |           |          |                          |  |     |       |                              | Day Day Day Day Day Total |  |  |  |  |   |
|-------------------------------|---------|-----------|----------|--------------------------|--|-----|-------|------------------------------|---------------------------|--|--|--|--|---|
| If Yes, By Whom?              |         |           |          |                          |  |     |       |                              | 1 2 3 4 5 Hrs.            |  |  |  |  |   |
| First Name                    | MI      | Last Name | Title    | Agency                   | If Yes, By Whom?                       |     | Email | Job Category                 |                           |  |  |  |  |   |
| 0                             | John    | Q         | Doe      | SAR Coordinator          | XYZ County                             | Yes | Local | JQD@xyzcorporation.bus       | SAR Supervisor            |  |  |  |  | 0 |
| 1                             | Cette   | H         | Ludley   | AVP HR Ops.              | UK                                     | ✓   | UK    | Cette.Ludley@uky.edu         |                           |  |  |  |  |   |
| 2                             | Bob     | D         | Kjelland | Director                 | UK Env. Quality Mgt.                   |     |       | robert.kjelland@uky.edu      |                           |  |  |  |  |   |
| 3                             | Lance   | B         | Irving   | Director                 | UK Transp. Svcs.                       | ✓   |       | Lance@uky.edu                |                           |  |  |  |  |   |
| 4                             | Justin  | L         | Handshoe | Disaster Program Manager | Bluegrass Chapter - American Red Cross | ✓   |       | justin.handshoe@redcross.org |                           |  |  |  |  |   |
| 5                             | Barry   | K         | Swanson  | CPB                      | Purchasing                             | UK  |       | barry.swanson@uky.edu        |                           |  |  |  |  |   |
| 6                             |         |           |          |                          |  |     |       |                              |                           |  |  |  |  |   |
| 7                             |         |           |          |                          |  |     |       |                              |                           |  |  |  |  |   |
| 8                             |         |           |          |                          |  |     |       |                              |                           |  |  |  |  |   |
| 9                             |         |           |          |                          |  |     |       |                              |                           |  |  |  |  |   |
| 10                            |         |           |          |                          |  |     |       |                              |                           |  |  |  |  |   |
| 11                            |         |           |          |                          |  |     |       |                              |                           |  |  |  |  |   |
| 12                            |         |           |          |                          |  |     |       |                              |                           |  |  |  |  |   |
| 13                            |         |           |          |                          |  |     |       |                              |                           |  |  |  |  |   |
| 14                            |         |           |          |                          |  |     |       |                              |                           |  |  |  |  |   |
| 15                            | Nathan  |           | Brown    | Deputy Chiff             | UK Police                              | ✓   |       | nathan.brown@uky.edu         |                           |  |  |  |  |   |
| 16                            | Corey   |           | Pelarski | Captain                  | UK Police                              | ✓   |       | corey.pelarski@uky.edu       |                           |  |  |  |  |   |
| 17                            |         |           |          |                          |  |     |       |                              |                           |  |  |  |  |   |
| 18                            |         |           |          |                          |  |     |       |                              |                           |  |  |  |  |   |
| 19                            | Kristen |           | Hawes    | Project Manager          | Stantec                                | ✓   | UK    | kristen.hawes@stantec.com    |                           |  |  |  |  |   |
| 20                            | John    |           | Bucher   | Planner                  | Stantec                                | ✓   | UK    | john.bucher@stantec.com      |                           |  |  |  |  |   |
| 21                            | Mike    |           | Green    | Principal                | Stantec                                | ✓   | UK    | mike.green@stantec.com       |                           |  |  |  |  |   |
| 22                            |         |           |          |                          |  |     |       |                              |                           |  |  |  |  |   |
| 23                            |         |           |          |                          |  |     |       |                              |                           |  |  |  |  |   |
| 24                            |         |           |          |                          |  |     |       |                              |                           |  |  |  |  |   |
| 25                            |         |           |          |                          |  |     |       |                              |                           |  |  |  |  |   |

Instructor/Facilitator Signature: \_\_\_\_\_

Co-Instructor/Facilitator Signature: \_\_\_\_\_



Kentucky Division of Emergency Management  
Event Roster

Name of Event: University of Kentucky Hazard Mitigation Plan Workgro  
Location: The 90 - Suite 228 - Emergency Operations Cente  
Address: University of Kentucky  
City/Community: Lexington KY  
EDBS#/NEXS#:

Is This An Exercise? ☐ Yes ☒ No  
If so, what type:  
☐ Seminar ☐ Workshop ☐ TTX ☐ Game  
☐ Drill ☐ Functional ☐ Full-Scale

Event Start Date: 3/21/2023 1.30 pm  
Event End Date: 3/21/2023 3.00 pm  
Instructor/Facilitator (1) Stantec/UK Team  
Instructor/Facilitator (2)  
Total Event Hours:

Event Hours: Day 1: Day 2: Day 3: Day 4: Day 5:

If registering day-of, please print your name and email address legibly. The name on your certificate will appear as written.

Initials Only, Each Day

Are you being Paid to  
attend?

|    |  | First Name | MI | Last Name  | Title                           | Agency             | If Yes, By Whom? | Email                     | Job Category   | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Total Hrs. |
|----|--|------------|----|------------|---------------------------------|--------------------|------------------|---------------------------|----------------|-------|-------|-------|-------|-------|------------|
| 0  |  | John       | Q  | Doe        | SAR Coordinator                 | XYZ County         | Yes              | JQD@xyzcorporation.bus    | SAR Supervisor |       |       |       |       |       | 0          |
| 1  |  | Andrea     |    | Higdon     | Emergency Mgmt System Dir       | College of Ag UK   | yes              | andrea.higdon@uky.edu     |                |       |       |       |       |       |            |
| 2  |  | Tom        |    | HARRIS     | Univ. RE P.                     | UK                 | ✓                |                           |                |       |       |       |       |       |            |
| 3  |  | Veronda    |    | Lewis      | Clery Comp. Coord               | UK                 | ✓                | Veronda.Lewis@uky.edu     |                |       |       |       |       |       |            |
| 4  |  | Coretchen  |    | Tom        | Geo Spatial                     | UK                 | ✓                |                           |                |       |       |       |       |       |            |
| 5  |  | Robert     |    | Larkin     | Planning Chief                  | Ken Fire           | ✓                | larkinr@kentucky.gov      |                |       |       |       |       |       |            |
| 6  |  | Bill       |    | Haneberg   | KGS Director                    | KGS/UK             | UK               | bill.haneberg@uky.edu     |                |       |       |       |       |       |            |
| 7  |  | Laurel     |    | Wood       | Director, Disaster Recovery     | UK                 | UK               | laurel.wood@uky.edu       |                |       |       |       |       |       |            |
| 8  |  | Ashley     |    | Cheney     | EM Specialist                   | UK                 | UK               | cheney.ashley@uky.edu     |                |       |       |       |       |       |            |
| 9  |  | JAMES      | D  | COOPER     |                                 | COLUMBIA GAS OF KY | UK               | JCOOPER@NLSOURCE.COM      |                |       |       |       |       |       |            |
| 10 |  | Ryan       |    | Vanderpool | <del>Emergency Management</del> | Columbia Gas of KY | UK               | rvanderpool@nlsources.com |                |       |       |       |       |       |            |
| 11 |  | Spahn      | F  | Nikirk     | Aux Services Director           | Auxiliary Services | yes              | Sfix@uky.edu              |                |       |       |       |       |       |            |
| 12 |  | Kathy      |    | McKinley   | Aux Serv Assoc Dir Admin        | UK - Aux Serv      | yes              | kmckin2@uky.edu           |                |       |       |       |       |       |            |
| 13 |  | Baron      | G  | Wolf       | Asst. Vice Pres - Res           | UK CVPR            | yes              | Baron.Wolf@uky.edu        |                |       |       |       |       |       |            |
| 14 |  | Chris      |    | THURINGER  | Dir. of Institutional Research  | IRADS              | yes              | chris.thuringer@uky.edu   |                |       |       |       |       |       |            |
| 15 |  | Joshua     | A  | Bryan      | Emergency Mgt Mgr               | UK                 | yes              | ja.bryan@uky.edu          |                |       |       |       |       |       |            |
| 16 |  | Curtis     | L. | Dillon     | Kentucky American               | KY                 | yes              | curtis.dillon@amwater.com |                |       |       |       |       |       |            |
| 17 |  |            |    |            |                                 |                    |                  |                           |                |       |       |       |       |       |            |
| 18 |  |            |    |            |                                 |                    |                  |                           |                |       |       |       |       |       |            |
| 19 |  |            |    |            |                                 |                    |                  |                           |                |       |       |       |       |       |            |
| 20 |  |            |    |            |                                 |                    |                  |                           |                |       |       |       |       |       |            |
| 21 |  |            |    |            |                                 |                    |                  |                           |                |       |       |       |       |       |            |
| 22 |  |            |    |            |                                 |                    |                  |                           |                |       |       |       |       |       |            |
| 23 |  |            |    |            |                                 |                    |                  |                           |                |       |       |       |       |       |            |
| 24 |  |            |    |            |                                 |                    |                  |                           |                |       |       |       |       |       |            |
| 25 |  |            |    |            |                                 |                    |                  |                           |                |       |       |       |       |       |            |

Instructor/Facilitator Signature: \_\_\_\_\_

Co-Instructor/Facilitator Signature: \_\_\_\_\_

Kentucky Division of Emergency Management  
Event Roster

Name of Event: University of Kentucky Hazard Mitigation Plan Workgro  
Location: The 90 - Suite 228 - Emergency Operations Cente  
Address: University of Kentucky  
City/Community: Lexington KY  
EDBS#/NEXS#:

Is This An Exercise? ☐ Yes ☒ No

If so, what type:

☐ Seminar ☐ Workshop ☐ TTX ☐ Game

☐ Drill ☐ Functional ☐ Full-Scale

Event Start Date: 5/23/2023 10.00 am  
Event End Date: 5/23/2023 11.30 am  
Instructor/Facilitator (1) Stantec/UK Team  
Instructor/Facilitator (2)  
Total Event Hours:  
Event Hours: Day 1: Day 2: Day 3: Day 4: Day 5:

If registering day-of, please print your name and email address legibly. The name on your certificate will appear as written.

Are you being Paid to  
attend?

Day Day Day Day Day Total

| FirstName | MI      | Last Name | Title      | Agency                   | If Yes, By Whom?                       | Email  | Job Category | 1                            | 2              | 3 | 4 | 5 | Hrs. |
|-----------|---------|-----------|------------|--------------------------|--|--------|--------------|------------------------------|----------------|---|---|---|------|
| 0         | John    | Q         | Doe        | SAR Coordinator          | XYZ County                             | Yes    | Local        | JQD@xyzcorporation.bus       | SAR Supervisor |   |   |   | 0    |
| 1         | Rob     |           | Turner     | MAJOR                    | UKPD                                   |        |              | rob.turner@uky.edu           |                |   |   |   |      |
| 2         | Ashley  |           | Chaney     | Em Specialist            | UK/DO                                  |        |              | chaney.ashley@uky.edu        |                |   |   |   |      |
| 3         | Kristen |           | Sutherland | CDR PM                   | UKPD                                   |        |              | ktsu222@uky.edu              |                |   |   |   |      |
| 4         | Justin  | L         | Handshoe   | Disaster Program Manager | American Red Cross - Bluegrass Chapter | ✓      | Red Cross    | justin.handshoe@redcross.org |                |   |   |   |      |
| 5         | STEVE   |           | STAUFFER   | FACILITIES PLANNING      | STUDENT SUCCESS                        |        |              | S.STAUFFER@UKY.EDU           |                |   |   |   |      |
| 6         | Bill    |           | Haneberg   | KAS Director             | KY Geol Survey                         | UK/KAS |              | bill.haneberg@uky.edu        |                |   |   |   |      |
| 7         | Laurel  |           | Wood       | Disaster Recovery UK     | UKPD                                   | ✓      |              | laurel.wood@uky.edu          |                |   |   |   |      |
| 8         | Scott   |           | Geisinger  | Athletic Director Assoc  | UK Athletics                           | ✓      |              | sgeisinger@uky.edu           |                |   |   |   |      |
| 9         | Kristen |           | Heuer      | Stantec PM               | Stantec                                | ✓      |              | kristen.heuer@stantec.com    |                |   |   |   |      |
| 10        | Mike    |           | Greene     | Stantec PIC              | Stantec                                |        |              | mike.greene@stantec.com      |                |   |   |   |      |
| 11        |         |           |            |                          |  |        |              |                              |                |   |   |   |      |
| 12        |         |           |            |                          |  |        |              |                              |                |   |   |   |      |
| 13        |         |           |            |                          |  |        |              |                              |                |   |   |   |      |
| 14        |         |           |            |                          |  |        |              |                              |                |   |   |   |      |
| 15        |         |           |            |                          |  |        |              |                              |                |   |   |   |      |
| 16        |         |           |            |                          |  |        |              |                              |                |   |   |   |      |
| 17        |         |           |            |                          |  |        |              |                              |                |   |   |   |      |
| 18        |         |           |            |                          |  |        |              |                              |                |   |   |   |      |
| 19        |         |           |            |                          |  |        |              |                              |                |   |   |   |      |
| 20        |         |           |            |                          |  |        |              |                              |                |   |   |   |      |
| 21        |         |           |            |                          |  |        |              |                              |                |   |   |   |      |
| 22        |         |           |            |                          |  |        |              |                              |                |   |   |   |      |
| 23        |         |           |            |                          |  |        |              |                              |                |   |   |   |      |
| 24        |         |           |            |                          |  |        |              |                              |                |   |   |   |      |
| 25        |         |           |            |                          |  |        |              |                              |                |   |   |   |      |

Kentucky Division of Emergency Management  
Event Roster

Name of Event: University of Kentucky Hazard Mitigation Plan Workgro  
Location: The 90 - Suite 228 - Emergency Operations Cente  
Address: University of Kentucky  
City/Community: Lexington KY  
EDBS#/NEXS#:

Is This An Exercise? ☐ Yes ☒ No  
If so, what type:  
☐ Seminar ☐ Workshop ☐ TTX ☐ Game  
☐ Drill ☐ Functional ☐ Full-Scale

Event Start Date: 5/23/2023 10.00 am  
Event End Date: 5/23/2023 11.30 am  
Instructor/Facilitator (1) Stantec/UK Team  
Instructor/Facilitator (2)  
Total Event Hours:  
Event Hours: Day 1: Day 2: Day 3: Day 4: Day 5:

If registering day-of, please print your name and email address legibly. The name on your certificate will appear as written.

Are you being Paid to attend?

|    | FirstName | MI | Last Name | Title             | Agency             | If Yes, By Whom? |       | Email                  | Job Category   | Day |   |   |   |   | Total Hrs. |
|----|-----------|----|-----------|-------------------|--------------------|------------------|-------|------------------------|----------------|-----|---|---|---|---|------------|
|    |           |    |           |                   |                    | Yes              | Local |                        |                | 1   | 2 | 3 | 4 | 5 |            |
| 0  | John      | Q  | Doe       | SAR Coordinator   | XYZ County         | Yes              | Local | JQD@xyzcorporation.bus | SAR Supervisor |     |   |   |   |   | 0          |
| 1  | Andrea    |    | Higdon    | Emergency Sys Dir | UK CAFE            | ✓                |       | andrea.higdon@uky.edu  |                |     |   |   |   |   |            |
| 2  | Gretchen  |    | Tucker    | UK Geospatial     | →                  | ✓                |       | g.tucker@uky.edu       |                |     |   |   |   |   |            |
| 3  | Amanda    |    | Barahan   | UK police         |                    | ✓                |       | mandi.barahan@uky.edu  |                |     |   |   |   |   |            |
| 4  | Barry     |    | Swanson   | CPO               | Purchasing UK      |                  |       | barry.swanson@uky.edu  |                |     |   |   |   |   |            |
| 5  | Graham    |    | Gray      | UEM               | Utilities          |                  |       | ggray2@uky.edu         |                |     |   |   |   |   |            |
| 6  | Cate      |    | Ladley    | AVP HR Operations | UK Human Resources | ✓                | UK    | Cate.Ladley@uky.edu    |                |     |   |   |   |   |            |
| 7  |           |    |           |                   |                    |                  |       |                        |                |     |   |   |   |   |            |
| 8  |           |    |           |                   |                    |                  |       |                        |                |     |   |   |   |   |            |
| 9  |           |    |           |                   |                    |                  |       |                        |                |     |   |   |   |   |            |
| 10 |           |    |           |                   |                    |                  |       |                        |                |     |   |   |   |   |            |
| 11 |           |    |           |                   |                    |                  |       |                        |                |     |   |   |   |   |            |
| 12 |           |    |           |                   |                    |                  |       |                        |                |     |   |   |   |   |            |
| 13 |           |    |           |                   |                    |                  |       |                        |                |     |   |   |   |   |            |
| 14 |           |    |           |                   |                    |                  |       |                        |                |     |   |   |   |   |            |
| 15 |           |    |           |                   |                    |                  |       |                        |                |     |   |   |   |   |            |
| 16 |           |    |           |                   |                    |                  |       |                        |                |     |   |   |   |   |            |
| 17 |           |    |           |                   |                    |                  |       |                        |                |     |   |   |   |   |            |
| 18 |           |    |           |                   |                    |                  |       |                        |                |     |   |   |   |   |            |
| 19 |           |    |           |                   |                    |                  |       |                        |                |     |   |   |   |   |            |
| 20 |           |    |           |                   |                    |                  |       |                        |                |     |   |   |   |   |            |
| 21 |           |    |           |                   |                    |                  |       |                        |                |     |   |   |   |   |            |
| 22 |           |    |           |                   |                    |                  |       |                        |                |     |   |   |   |   |            |
| 23 |           |    |           |                   |                    |                  |       |                        |                |     |   |   |   |   |            |
| 24 |           |    |           |                   |                    |                  |       |                        |                |     |   |   |   |   |            |
| 25 |           |    |           |                   |                    |                  |       |                        |                |     |   |   |   |   |            |



Campus News (/campus-news)

# Provide input on natural hazards that affect UK community

By Sally Woodson (/authors/sally-woodson) Jan. 19, 2023



Entrance of the Robinson Center for Appalachian Resource Sustainability (RCARS). Photo by Daniel Wilson.

**LEXINGTON, Ky. (Jan. 19, 2023)** — The University of Kentucky is updating its Hazard Mitigation Plan, which will identify and mitigate the risks of natural and human-caused hazards that may impact people, buildings, infrastructure and research at the university. Input from students, faculty and staff is important for plan development. There are two ways to participate and provide information:

- Complete the survey (<https://questionpro.com/t/AJ8IIZuWeK>). The university developed a survey for input from the community and the results will be included in the plan. The deadline to complete the survey is Feb. 8, 2023.
- Visit the website (<https://police.uky.edu/hazard-mitigation-plan>) to learn about upcoming meeting dates and the project.

UK's Hazard Mitigation Plan is a collaborative effort on the part of UK Police Division of Crisis Management and Preparedness (<http://www.uky.edu/EM/index.html>), the UK Hazard Mitigation Steering Committee, state and local agencies, the UK community and UK stakeholders.

The Hazard Mitigation Plan will be developed through the completion of four planning phases:

- planning process;
- risk assessment;
- mitigation strategy; and
- plan maintenance.

UK's Hazard Mitigation Plan has kept the university in compliance with federal hazard mitigation planning standards resulting from the Regulations and Guidance | FEMA.gov (<https://www.fema.gov/emergency-managers/risk-management/hazard-mitigation-planning/regulations-guidance#:~:text=The%20Disaster%20Mitigation%20Act%20of%202000%20amended%20the,to%20emergency%20disaster%20assistance.>) as contained in 44 CFR 201.6.

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). These grants support the university in implementing projects that reduce risks, such as structural projects like the stormwater project on Alumni Drive and nonstructural projects, like university policies that protect lives and property.

*As the state's flagship, land-grant institution, the University of Kentucky exists to advance the Commonwealth. We do that by preparing the next generation of leaders — placing students at the heart of everything we do — and transforming the lives of Kentuckians through education, research and creative work, service and health care. We pride ourselves on being a catalyst for breakthroughs and a force for healing, a place where ingenuity unfolds. It's all made possible by our people — visionaries, disruptors and pioneers — who make up 200 academic programs, a \$501 million research and development enterprise and a world-class medical center, all on one campus.*

*In 2022, UK was ranked by Forbes as one of the “Best Employers for New Grads” and named a “Diversity Champion” by INSIGHT into Diversity, a testament to our commitment to advance Kentucky and create a community of belonging for everyone. While our mission looks different in many ways than it did in 1865, the vision of service to our Commonwealth and the world remains the same. We are the University **for** Kentucky.*

the same. We are the University **for** Kentucky.

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Campus News (/campus-news)

# University community invited to help update UK Hazard Mitigation Plan

By Sally Woodson (/authors/sally-woodson) Oct. 20, 2022



Entrance of the Robinson Center for Appalachian Resource Sustainability (RCARS). Photo by Daniel Wilson.

**LEXINGTON, Ky. (Oct. 20, 2022)** — Following two separate natural hazard events, including the flooding in Eastern Kentucky and tornadoes in Western Kentucky, the University of Kentucky is working to reduce the risk to human life and property from natural hazards through its updated FEMA-approved Hazard Mitigation Plan.

This year, the university is updating this plan and is looking for input from the university community.



UK students, faculty and staff are invited to join UK Police and its Division of Crisis Management and Preparedness from 9:30-10:30 a.m. Thursday, Oct. 27, at Gatton Student Center Worsham Cinema, for the Hazard Identification Meeting to provide input and learn more about the planning process. If you cannot attend the meeting in-person, a Zoom link will be posted on this page (<https://police.uky.edu/hazard-mitigation-plan>).

Immediately following the meeting, an open house will be held from 10.30 a.m.-noon at the same location. Individuals who cannot come to the meeting are encouraged to drop by the open house to learn more. Staff will be in the hallway near the theater so students, faculty and staff can provide input and learn more about the update.

Additional ways UK community members can help:

- Complete the survey. (<https://questionpro.com/t/AJ8IIZuWeK>)
- Visit the website. (<https://police.uky.edu/hazard-mitigation-plan>)

UK's Hazard Mitigation Plan has kept the university in compliance with federal hazard mitigation planning standards resulting from the Regulations and Guidance | FEMA.gov (<https://www.fema.gov/emergency-managers/risk-management/hazard-mitigation-planning/regulations-guidance#:~:text=The%20Disaster%20Mitigation%20Act%20of%202000%20amended%20the,to%20emergency%20disaster%20assistance.>) as contained in 44 CFR 201.6. 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). These grants support the university in implementing projects that reduce risks. These projects can include structural projects like the stormwater project on Alumni Drive and nonstructural projects, like university policies that protect lives and property.

UK's Hazard Mitigation Plan is a collaborative effort on the part of UK Police - Division of Crisis Management and Preparedness (<http://www.uky.edu/EM/index.html>), the UK Hazard Mitigation Steering Committee, state and local agencies, the UK community and UK stakeholders.

*As the state's flagship, land-grant institution, the University of Kentucky exists to advance the Commonwealth. We do that by preparing the next generation of leaders — placing students at the heart of everything we do — and transforming the lives of Kentuckians through education, research and creative work, service and health care. We pride ourselves on being a catalyst for breakthroughs and a force for healing, a place where ingenuity unfolds. It's all made possible by our people — visionaries, disruptors and pioneers — who make up 200 academic programs, a \$501 million research and development enterprise and a world-class medical center, all on one campus.*



*In 2022, UK was ranked by Forbes as one of the “Best Employers for New Grads” and named a “Diversity Champion” by INSIGHT into Diversity, a testament to our commitment to advance Kentucky and create a community of belonging for everyone. While our mission looks different in many ways than it did in 1865, the vision of service to our Commonwealth and the world remains the same. We are the University **for** Kentucky.*

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## Hazard Mitigation Plan

The University of Kentucky is currently updating its Hazard Mitigation Plan which will identify natural and human-caused hazards that may impact people, buildings, infrastructure, and research at the University and identify a set of actions that will reduce the likelihood those hazards will impact the University. Actions may include education programs, policy changes, emergency equipment, and structural projects. The Hazard Mitigation Plan will be developed through the completion of four planning phases:

- 1. Planning Process** - The process guides how the plan is developed and who is involved. A steering committee implements the planning process with participation from stakeholders that have relevant information, and includes students, faculty, and staff.
- 2. Risk Assessment** - Identify the characteristics and potential consequences of hazards. This includes understanding where the hazard may occur and what people, property or community assets may be in harm's way.
- 3. Mitigation Strategy** - The mitigation strategy sets priorities and develops long-term strategies for avoiding or minimizing the undesired effects of disasters. The strategy and mitigation actions are informed by the planning process, the risk assessment and the University's capability to implement the strategy.
- 4. Plan Maintenance** - The method and process for monitoring, evaluating, and updating the plan.



*Example of a building level risk assessment depicting flood risk*



### Hazards addressed in UK's plan

- |                     |                              |
|---------------------|------------------------------|
| Dam failure         | Landslide                    |
| Drought             | Severe storm                 |
| Earthquake          | Severe winter storm          |
| Extreme temperature | Tornado                      |
| Flood               | Hazardous materials          |
| Forest fire         | Emerging infectious diseases |
| Hailstorm           | Cybersecurity                |
| Karst/sinkhole      |                              |



### Benefits of mitigation planning

- Identifying actions for risk reduction that are agreed upon by stakeholders and the university community.
- Focusing resources on the greatest risks and vulnerabilities.
- Building partnerships by involving students, faculty and staff.
- Increasing education and awareness of threats and hazards, as well as their risks.
- Communicating priorities to State and Federal officials.
- Aligning risk reduction with other university objectives.
- Maintaining eligibility for FEMA hazard mitigation grants.

## Hewes, Kristen

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**From:** Wood, Laurel C. <laurel.wood@uky.edu>  
**Sent:** Thursday, February 2, 2023 1:27 PM  
**To:** Hewes, Kristen  
**Subject:** FW: Important Hazard (disaster) Mitigation Plan Survey/FW: Provide input for UK's Hazard Mitigation Plan  
**Attachments:** What is a Hazard Mitigation Plan.pdf

---

**From:** Ramey, Covetta H. <covetta.ramey@uky.edu>  
**Sent:** Thursday, February 2, 2023 1:21 PM  
**To:** coa-pstation-l@lsv.uky.edu  
**Cc:** Wood, Laurel C. <laurel.wood@uky.edu>  
**Subject:** Important Hazard (disaster) Mitigation Plan Survey/FW: Provide input for UK's Hazard Mitigation Plan

Good afternoon,

Please see the email below from Laurel Wood, who not only plays an integral part in our recovery process but she is also a Staff Senator. Laurel has reached out to the Staff Senate body asking that we share the survey she has created to solicit input for the UK Hazard Mitigation Plan.

I believe staff and faculty at Princeton would be able to contribute valuable information to this survey. If you would, please click on the survey link below and share your thoughts with Laurel.

Thank you in advance,

### *Covetta*

Covetta Ramey, Administrative Services Assistant (Business Officer)  
Staff Senator-Provost Sector/Benefits & Compensation Committee  
University of Kentucky  
Research and Education Center/Grain and Forage Center of Excellence  
348 University Drive (42445-6831)  
PO Box 469 (42445-0469)  
Princeton KY  
PHONE # 859-562-1302  
CELL # 270-625-5700

**You can support the Research and Education Center Fund on this page:**  
<https://bit.ly/3oTV95D>

Damage from the catastrophic EF4 tornado on December 10, 2021



**From:** For communicating day to day operations <[SENATORS-STAFFSENATE@LSV.UKY.EDU](mailto:SENATORS-STAFFSENATE@LSV.UKY.EDU)> **On Behalf Of** Wood, Laurel C.

**Sent:** Thursday, February 2, 2023 11:50 AM

**To:** [SENATORS-STAFFSENATE@LSV.UKY.EDU](mailto:SENATORS-STAFFSENATE@LSV.UKY.EDU)

**Subject:** Provide input for UK's Hazard Mitigation Plan

Good Afternoon Staff Senators,

As many of you know, my role includes assisting the University plan, prepare, mitigate, and recover from disasters and operational interruptions that impact UK's campuses. I'm reaching out to the Staff Senate to share information and encourage participation in UK's Hazard Mitigation Plan. I've attached a one-page summary that outlines UK's Hazard Mitigation Plan, including the link to complete a survey: [Complete the survey](#). I invite you to share this information and survey with your constituents.

UK was recently impacted by two major presidentially declared natural disasters; the tornados in Western Kentucky in December 2021, and flooding in eastern Kentucky in July 2022. The UK Research and Education Center in Princeton took a direct hit from the tornado. [University of Kentucky rises above tornado aftermath | College News \(uky.edu\)](#). UK HealthCare clinics, UK's Robinson Forest and the Robinson Center for Appalachian Resource Sustainability (RCARS) were impacted by severe flooding [University of Kentucky providing support to Eastern Kentucky after severe flooding | UKNow \(uky.edu\)](#). The purpose of the plan is to identify activities to mitigate the risks to people, buildings, infrastructure, and research from human-caused and natural hazard events like these.

There are two ways to participate and provide information:

- [Complete the survey](#). The University developed a survey for input from the University community and the results will be included in the plan: The deadline to complete the survey is February 8, 2023.
- [Visit the website](#) to learn about upcoming meeting dates and the project.

We are encouraging participation from the university community, including completing the survey, and participating in the plan review meeting that will be advertised on the website and held later this semester.

Please let me know if you have any questions. I look forward to your participation!

Thank you,



**Laurel Wood, MPA, PMP**

Director, Business Continuity | Staff Senator

University of Kentucky Police Department

Lexington, KY 40506

Office: 859.257.6655

Mobile: 859.537.0387

[laurel.wood@uky.edu](mailto:laurel.wood@uky.edu)

**Caution:** This email originated from outside of Stantec. Please take extra precaution.

**Attention:** Ce courriel provient de l'extérieur de Stantec. Veuillez prendre des précautions supplémentaires.

**Atención:** Este correo electrónico proviene de fuera de Stantec. Por favor, tome precauciones adicionales.

DRAFT



## Hewes, Kristen

---

**From:** Wood, Laurel C. <laurel.wood@uky.edu>  
**Sent:** Thursday, February 2, 2023 12:36 PM  
**To:** CCERT@LSV.UKY.EDU  
**Cc:** Hewes, Kristen; Bucher, John; Brown, Nathan; Turner, Robert K.; Chaney, Ashley; Overman, Jay K.; Banahan, Amanda L.; Woodson, Sally; Holcombe Lewis, Veronda B.; Hurley, Christina  
**Subject:** Provide input for UK's Hazard Mitigation Plan  
**Attachments:** What is a Hazard Mitigation Plan.pdf

Good Afternoon Campus CERT,

As you know, my role includes assisting the University plan, prepare, mitigate, and recover from disasters and operational interruptions that impact UK's campuses. I'm reaching out to the Campus Community Emergency Response Team to share information and encourage participation in UK's Hazard Mitigation Plan. I've attached a one-page summary that outlines UK's Hazard Mitigation Plan, including the link to complete a survey: [Complete the survey](#). I invite you to share this information and survey with students, peers, and colleagues.

UK was recently impacted by two major presidentially declared natural disasters; the tornados in Western Kentucky in December 2021, and flooding in eastern Kentucky in July 2022. The UK Research and Education Center in Princeton took a direct hit from the tornado. [University of Kentucky rises above tornado aftermath | College News \(uky.edu\)](#). UK HealthCare clinics, UK's Robinson Forest and the Robinson Center for Appalachian Resource Sustainability (RCARS) were impacted by severe flooding [University of Kentucky providing support to Eastern Kentucky after severe flooding | UKNow \(uky.edu\)](#). The purpose of the plan is to identify activities to mitigate the risks to people, buildings, infrastructure, and research from human-caused and natural hazard events like these.

There are two ways to participate and provide information:

- [Complete the survey](#). The University developed a survey for input from the University community and the results will be included in the plan: The deadline to complete the survey is February 8, 2023.
- [Visit the website](#) to learn about upcoming meeting dates and the project.

We are encouraging participation from the university community, including completing the survey and participating in the plan review meeting that will be advertised on the website and held later this semester.

Please let me know if you have any questions. I look forward to your participation!

Thank you,



**Laurel Wood, MPA, PMP**  
Director, Business Continuity | Staff Senator  
University of Kentucky Police Department  
Lexington, KY 40506  
Office: 859.257.6655  
Mobile: 859.537.0387  
[laurel.wood@uky.edu](mailto:laurel.wood@uky.edu)

## Hewes, Kristen

---

**From:** Wood, Laurel C. <laurel.wood@uky.edu>  
**Sent:** Thursday, February 2, 2023 12:43 PM  
**To:** Staff Senate  
**Cc:** Hewes, Kristen; Bucher, John; Brown, Nathan; Turner, Robert K.; Chaney, Ashley; Overman, Jay K.; Banahan, Amanda L.; Woodson, Sally; Holcombe Lewis, Veronda B.; Hurley, Christina  
**Subject:** Provide input for UK's Hazard Mitigation Plan  
**Attachments:** What is a Hazard Mitigation Plan.pdf

Good Afternoon Staff Senators,

As many of you know, my role includes assisting the University plan, prepare, mitigate, and recover from disasters and operational interruptions that impact UK's campuses. I'm reaching out to the Staff Senate to share information and encourage participation in UK's Hazard Mitigation Plan. I've attached a one-page summary that outlines UK's Hazard Mitigation Plan, including the link to complete a survey: [Complete the survey](#). I invite you to share this information and survey with your constituents.

UK was recently impacted by two major presidentially declared natural disasters; the tornados in Western Kentucky in December 2021, and flooding in eastern Kentucky in July 2022. The UK Research and Education Center in Princeton took a direct hit from the tornado. [University of Kentucky rises above tornado aftermath | College News \(uky.edu\)](#). UK HealthCare clinics, UK's Robinson Forest and the Robinson Center for Appalachian Resource Sustainability (RCARS) were impacted by severe flooding [University of Kentucky providing support to Eastern Kentucky after severe flooding | UKNow \(uky.edu\)](#). The purpose of the plan is to identify activities to mitigate the risks to people, buildings, infrastructure, and research from human-caused and natural hazard events like these.

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[laurel.wood@uky.edu](mailto:laurel.wood@uky.edu)

## Hewes, Kristen

---

**From:** Wood, Laurel C. <laurel.wood@uky.edu>  
**Sent:** Thursday, February 2, 2023 12:27 PM  
**To:** Messer, Tiffany; Escobar, Isabel C.; Fox, James F.; Brion, Gail; Yost, Scott; Talbert, Jeffery C.; Barzee, Tyler J.; Bray, Zachary A.; Tedder, Shane; Pennell, Kelly G.; Blevins, Justin; Agouridis, Carmen; Laws, Andrew E.; Turner, Helen; Jewell, Bob; Childress, Michael T.; Darolia, Rajeev; Agrawal, David R.; Annis, Catherine L.; Benitez, Joseph A.; Blumenschein, Karen M.; Bollinger, Christopher R.; Curl, Cory; Hameduddin, Taha; Harvey, Hope M.; Kim, Doo Oak; Lee, Jeongyoon; Peffley, M A.; Shybalkina, Iuliia; Trautman, Rhonda R.; Voss, D S.; Waddington, Richard J.; Yelowitz, Aaron S.  
**Cc:** Hewes, Kristen; Bucher, John; Brown, Nathan; Turner, Robert K.; Chaney, Ashley; Overman, Jay K.; Banahan, Amanda L.; Woodson, Sally; Holcombe Lewis, Veronda B.; Hurley, Christina  
**Subject:** Provide input for UK's Hazard Mitigation Plan  
**Attachments:** What is a Hazard Mitigation Plan.pdf

Good Afternoon,

In my role at UK, I help the University plan, prepare, mitigate, and recover from disasters and operational interruptions that impact UK's campuses. I'm reaching out to UK Faculty with subject matter expertise overlapping with components included in UK's Hazard Mitigation Plan, to share information and encourage participation in the planning process. I've attached a one-page summary that outlines UK's Hazard Mitigation Plan, including the link to complete a survey: [Complete the survey](#). I invite you to share this information and survey with your students, peers, and colleagues.

UK was recently impacted by two major presidentially declared natural disasters; the tornados in Western Kentucky in December 2021, and flooding in eastern Kentucky in July 2022. The UK Research and Education Center in Princeton took a direct hit from the tornado. [University of Kentucky rises above tornado aftermath | College News \(uky.edu\)](#). UK HealthCare clinics, UK's Robinson Forest and the Robinson Center for Appalachian Resource Sustainability (RCARS) were impacted by severe flooding [University of Kentucky providing support to Eastern Kentucky after severe flooding | UKNow \(uky.edu\)](#). The purpose of the plan is to identify activities to mitigate the risks to people, buildings, infrastructure, and research from human-caused and natural hazard events like these.

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- [Visit the website](#) to learn about upcoming meeting dates and the project.

We are encouraging participation from the university community, including completing the survey and participating in the plan review meeting that will be advertised on the website and held later this semester. More information can also be found in these UKNow articles: [University community invited to help update UK Hazard Mitigation Plan | UKNow \(uky.edu\)](#) and [Provide input on natural hazards that affect UK community | UKNow \(uky.edu\)](#)

Please let me know if you have any questions. I look forward to your participation!

Thank you,



**Laurel Wood, MPA, PMP**

Director, Business Continuity | Staff Senator

University of Kentucky Police Department

Lexington, KY 40506

Office: 859.257.6655

Mobile: 859.537.0387

[laurel.wood@uky.edu](mailto:laurel.wood@uky.edu)

**Caution:** This email originated from outside of Stantec. Please take extra precaution.

**Attention:** Ce courriel provient de l'extérieur de Stantec. Veuillez prendre des précautions supplémentaires.

**Atención:** Este correo electrónico proviene de fuera de Stantec. Por favor, tome precauciones adicionales.

DRAFT

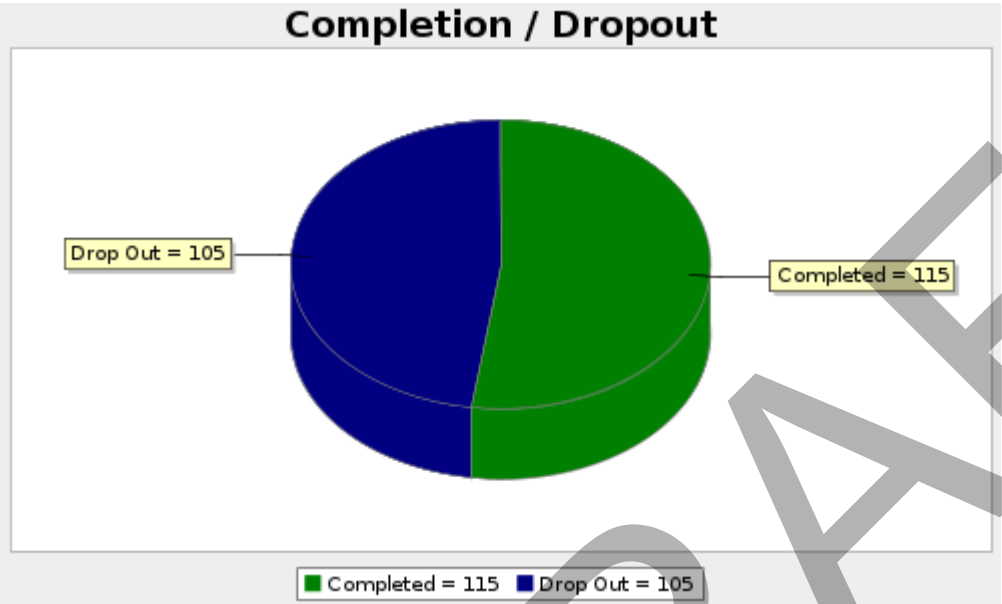
# **University of Kentucky - Hazard Mitigation Plan**

**My Dashboard**

DRAFT

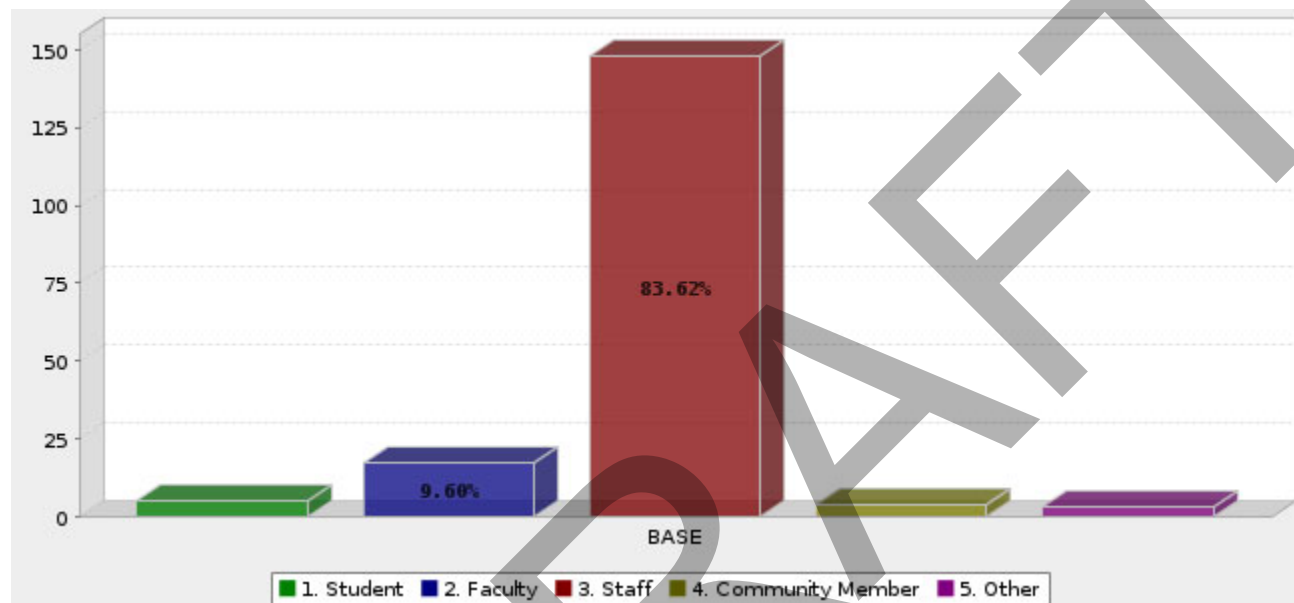


# Survey Overview



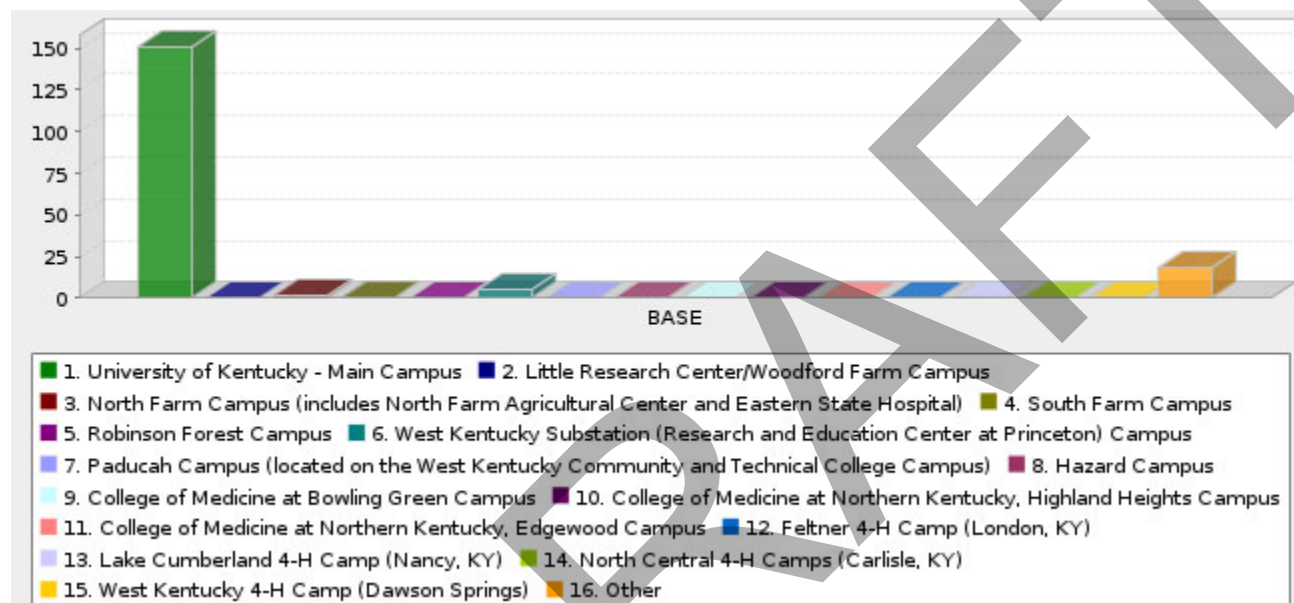
| Viewed | Started | Completed | Completion Rate | Drop Outs (After Starting) | Average Time to Complete Survey |
|--------|---------|-----------|-----------------|----------------------------|---------------------------------|
| 858    | 220     | 115       | 52.27%          | 105                        | 9 minutes                       |

## Q2. What is your affiliation with the University?



|                     | Answer              | Count  | Percent                           |
|---------------------|---------------------|--|-----------------------------------|
|                     | 1. Student          | 5  | 2.82%                             |
|                     | 2. Faculty          | 17   | 9.60%                             |
|                     | 3. Staff            | 148  | 83.62%                            |
|                     | 4. Community Member | 4  | 2.26%                             |
|                     | 5. Other            | 3  | 1.69%                             |
|                     | Total               | 177  | 100%                              |
| Mean : <b>2.904</b> |                     | Confidence Interval @ 95% : <b>[2.824 - 2.984]</b> | Standard Deviation : <b>0.540</b> |
|                     |                     | Standard Error : <b>0.041</b>                      |                                   |

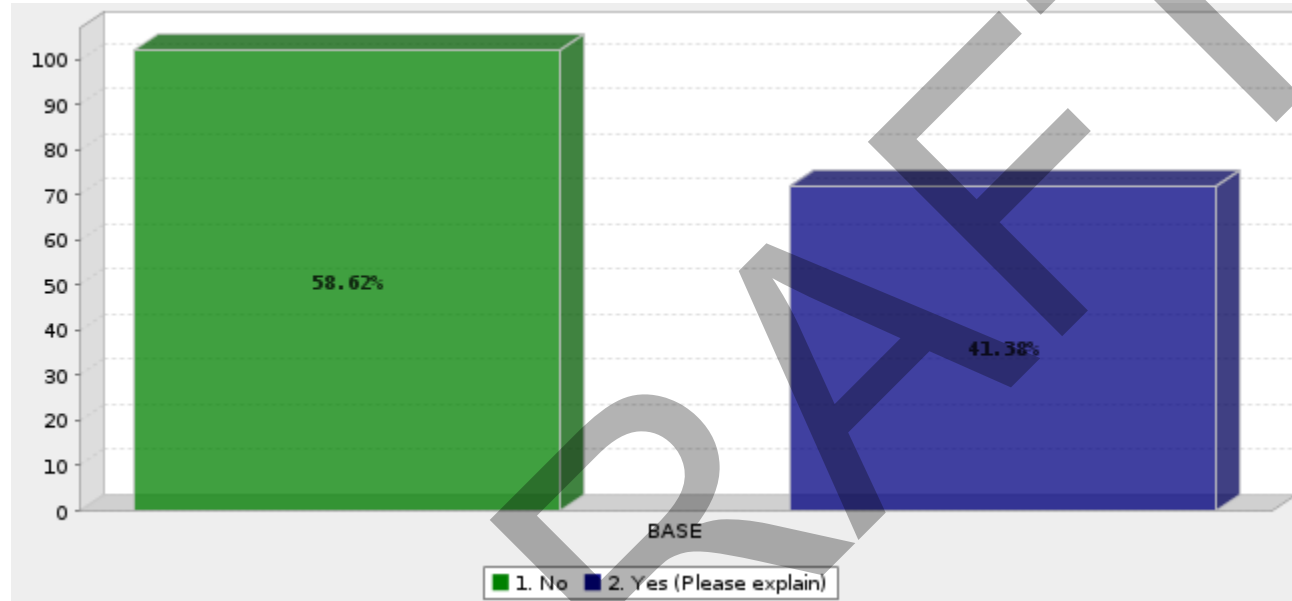
### Q3. On which campus do you typically attend class, work, or attend events?



|    | Answer   | Count | Percent |
|----|--|-------|---------|
| 1. | University of Kentucky - Main Campus   | 151   | 85.31%  |
| 2. | Little Research Center/Woodford Farm Campus  | 0     | 0.00%   |
| 3. | North Farm Campus (includes North Farm Agricultural Center and Eastern State Hospital) | 2     | 1.13%   |
| 4. | South Farm Campus  | 1     | 0.56%   |
| 5. | Robinson Forest Campus   | 0     | 0.00%   |
| 6. | West Kentucky Substation (Research and Education Center at Princeton) Campus           | 5     | 2.82%   |

|              |  |   |                            |                        |
|--------------|--|---|----------------------------|------------------------|
| 7.           | Paducah Campus (located on the West Kentucky Community and Technical College Campus) | 0   | 0.00%                      |                        |
| 8.           | Hazard Campus  | 0   | 0.00%                      |                        |
| 9.           | College of Medicine at Bowling Green Campus  | 0   | 0.00%                      |                        |
| 10.          | College of Medicine at Northern Kentucky, Highland Heights Campus                    | 0   | 0.00%                      |                        |
| 11.          | College of Medicine at Northern Kentucky, Edgewood Campus                            | 0   | 0.00%                      |                        |
| 12.          | Feltner 4-H Camp (London, KY)  | 0   | 0.00%                      |                        |
| 13.          | Lake Cumberland 4-H Camp (Nancy, KY)   | 0   | 0.00%                      |                        |
| 14.          | North Central 4-H Camps (Carlisle, KY)   | 0   | 0.00%                      |                        |
| 15.          | West Kentucky 4-H Camp (Dawson Springs)  | 0   | 0.00%                      |                        |
| 16.          | Other  | 18  | 10.17%                     |                        |
|              | Total  | 177   | 100%                       |                        |
| Mean : 2.706 |  | Confidence Interval @ 95% : [2.033 - 3.380] | Standard Deviation : 4.571 | Standard Error : 0.344 |

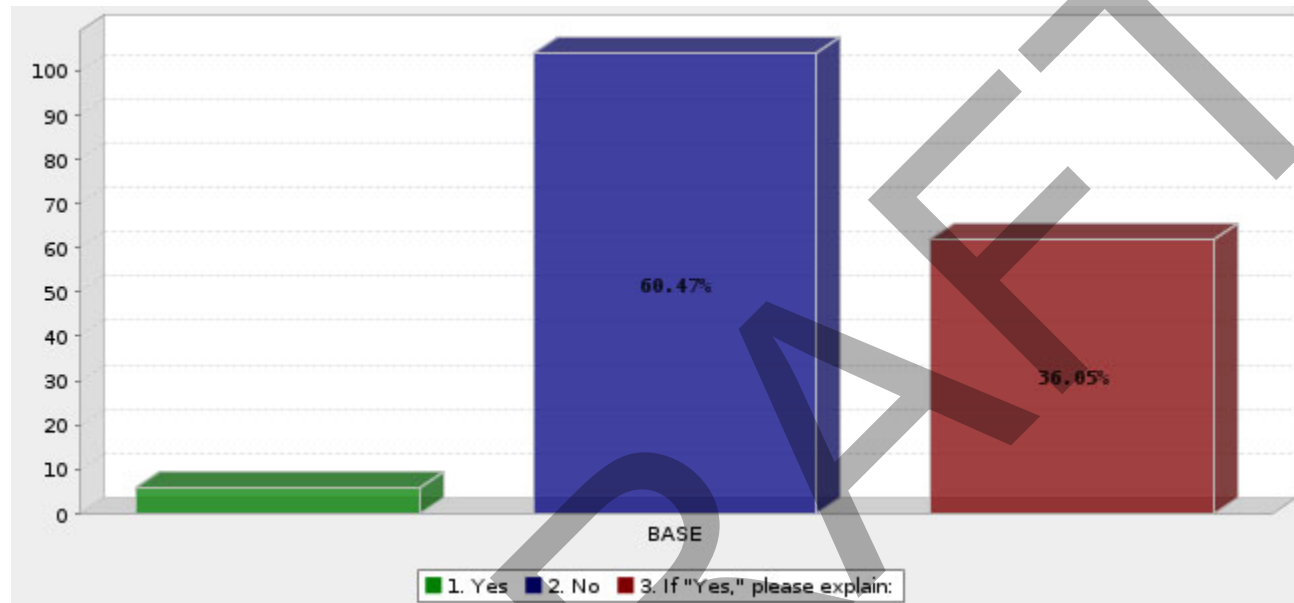
#### Q4. Have you ever experienced or been impacted by a hazard on campus?



|                     | Answer                  | Count  | Percent                           |
|---------------------|-------------------------|--|-----------------------------------|
|                     | 1. No                   | 102  | 58.62%                            |
|                     | 2. Yes (Please explain) | 72   | 41.38%                            |
|                     | Total                   | 174  | 100%                              |
| Mean : <b>1.414</b> |                         | Confidence Interval @ 95% : <b>[1.340 - 1.487]</b> | Standard Deviation : <b>0.494</b> |
|                     |                         | Standard Error : <b>0.037</b>                      |                                   |

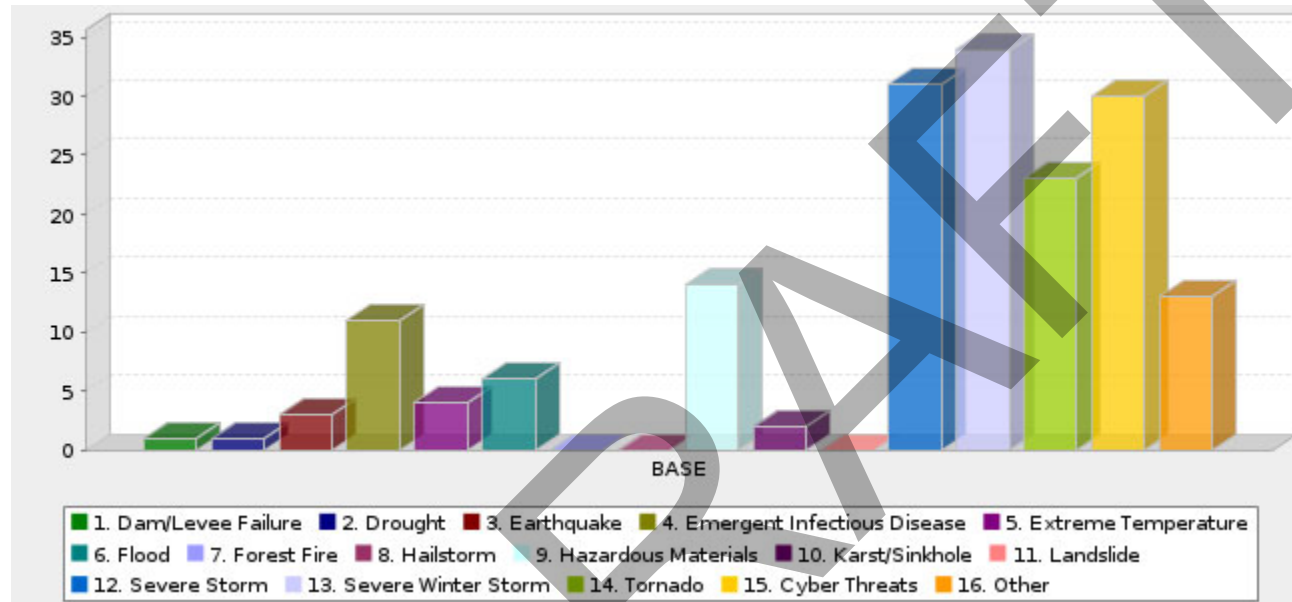


## Q5. Have you ever experienced or been impacted by a disaster?



|                     | Answer                       | Count  | Percent |
|---------------------|------------------------------|--|---------|
|                     | 1. Yes                       | 6  | 3.49%   |
|                     | 2. No                        | 104  | 60.47%  |
|                     | 3. If 'Yes,' please explain: | 62   | 36.05%  |
|                     | Total                        | 172  | 100%    |
| Mean : <b>2.326</b> |                              | Confidence Interval @ 95% : <b>[2.245 - 2.406]</b> |         |
|                     |                              | Standard Deviation : <b>0.539</b>                  |         |
|                     |                              | Standard Error : <b>0.041</b>                      |         |

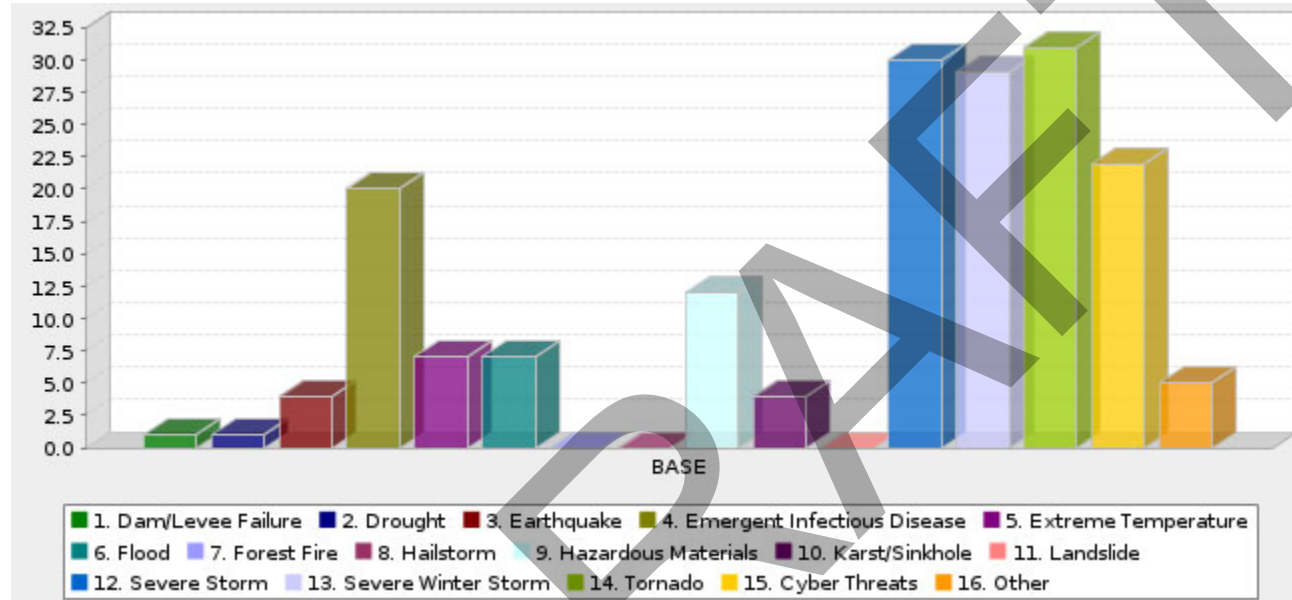
**Q6. Please select the one hazard you think is the highest threat to the University:**



|    | Answer                      | Count | Percent |
|----|-----------------------------|-------|---------|
| 1. | Dam/Levee Failure           | 1     | 0.58%   |
| 2. | Drought                     | 1     | 0.58%   |
| 3. | Earthquake                  | 3     | 1.73%   |
| 4. | Emergent Infectious Disease | 11    | 6.36%   |
| 5. | Extreme Temperature         | 4     | 2.31%   |
| 6. | Flood                       | 6     | 3.47%   |

|                      |                     |  |                                   |
|----------------------|---------------------|--|-----------------------------------|
| 7.                   | Forest Fire         | 0  | 0.00%                             |
| 8.                   | Hailstorm           | 0  | 0.00%                             |
| 9.                   | Hazardous Materials | 14   | 8.09%                             |
| 10.                  | Karst/Sinkhole      | 2  | 1.16%                             |
| 11.                  | Landslide           | 0  | 0.00%                             |
| 12.                  | Severe Storm        | 31   | 17.92%                            |
| 13.                  | Severe Winter Storm | 34   | 19.65%                            |
| 14.                  | Tornado             | 23   | 13.29%                            |
| 15.                  | Cyber Threats       | 30   | 17.34%                            |
| 16.                  | Other               | 13   | 7.51%                             |
|                      | Total               | 173  | 100%                              |
| Mean : <b>11.861</b> |                     | Confidence Interval @ 95% : <b>[11.315 - 12.408]</b> | Standard Deviation : <b>3.668</b> |
|                      |                     |  | Standard Error : <b>0.279</b>     |

**Q7. Please select the one hazard you think is the second highest threat to the University:**

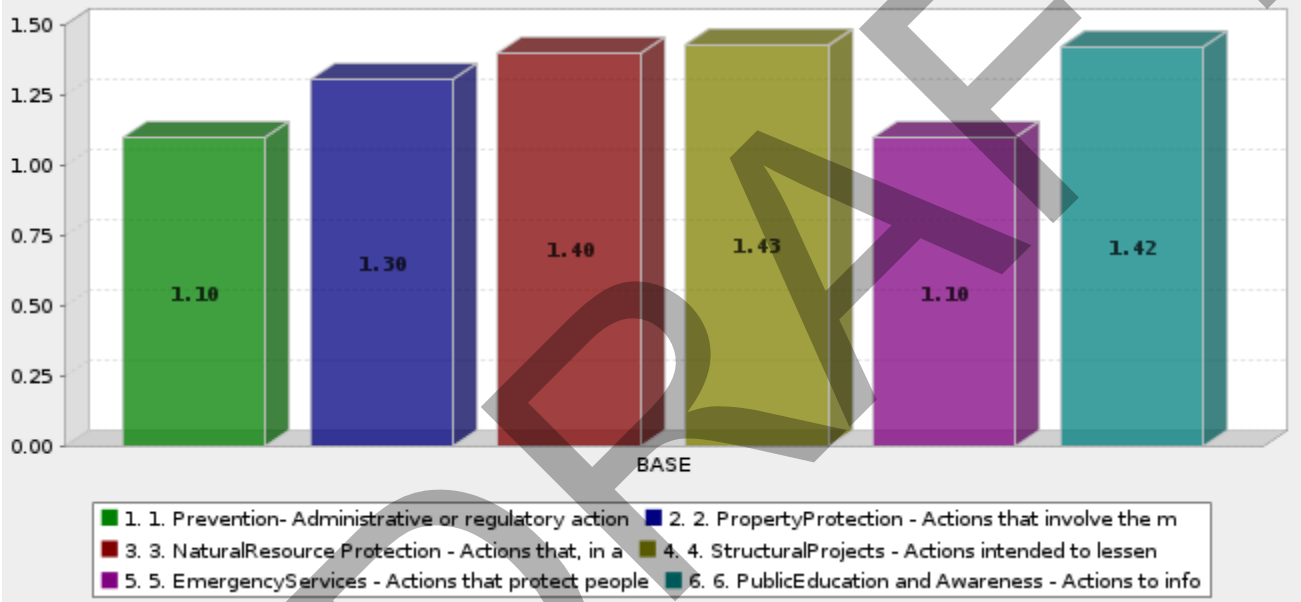


|  | Answer                         | Count | Percent |
|--|--------------------------------|-------|---------|
|  | 1. Dam/Levee Failure           | 1     | 0.58%   |
|  | 2. Drought                     | 1     | 0.58%   |
|  | 3. Earthquake                  | 4     | 2.31%   |
|  | 4. Emergent Infectious Disease | 20    | 11.56%  |
|  | 5. Extreme Temperature         | 7     | 4.05%   |
|  | 6. Flood                       | 7     | 4.05%   |

|                      |                     |  |                                   |
|----------------------|---------------------|--|-----------------------------------|
| 7.                   | Forest Fire         | 0  | 0.00%                             |
| 8.                   | Hailstorm           | 0  | 0.00%                             |
| 9.                   | Hazardous Materials | 12   | 6.94%                             |
| 10.                  | Karst/Sinkhole      | 4  | 2.31%                             |
| 11.                  | Landslide           | 0  | 0.00%                             |
| 12.                  | Severe Storm        | 30   | 17.34%                            |
| 13.                  | Severe Winter Storm | 29   | 16.76%                            |
| 14.                  | Tornado             | 31   | 17.92%                            |
| 15.                  | Cyber Threats       | 22   | 12.72%                            |
| 16.                  | Other               | 5  | 2.89%                             |
|                      | Total               | 173  | 100%                              |
| Mean : <b>10.988</b> |                     | Confidence Interval @ 95% : <b>[10.387 - 11.589]</b> | Standard Deviation : <b>4.033</b> |
|                      |                     | Standard Error : <b>0.307</b>                        |                                   |



**Q10. A number of campus-wide activities can reduce our risk from hazards. In general, these activities fall into one of the following six broad categories. Please tell us how important you think each one is for the University to pursue.**



Q10. Overall Matrix Scorecard : A number of campus-wide activities can reduce our risk from hazards. In general, these activities fall into one of the following six broad categories. Please tell us how important you think each one is for the University to pursue.

|    | Question   | Count | Score |  |
|----|--|-------|-------|--|
| 1. | 1. <b>Prevention</b> - Administrative or regulatory actions that influence the | 126   | 1.095 |  |

|    |  |     |       |  |
|----|--|-----|-------|--|
|    | way land is developed and buildings are built. Examples include planning and zoning, building codes, open space preservation, and floodplain regulations.  |     |       |  |
| 2. | <b>2. Property Protection</b> - Actions that involve the modification of existing buildings to protect them from a hazard or removal from the hazard area. Examples include acquisition, relocation, elevation, structural retrofits, and storm shutters.                              | 126 | 1.302 |  |
| 3. | <b>3. Natural Resource Protection</b> - Actions that, in addition to minimizing hazard losses, also preserve or restore the functions of natural systems. Examples include: floodplain protection, habitat preservation, slope stabilization, riparian buffers, and forest management. | 126 | 1.397 |  |
| 4. | <b>4. Structural Projects</b> - Actions intended to lessen the impact of a hazard by modifying the natural progression of the hazard. Examples include dams, levees, detention/retention basins, channel modification, retaining walls, and storm sewers.                              | 126 | 1.429 |  |
| 5. | <b>5. Emergency Services</b> - Actions that protect people and property  | 126 | 1.095 |  |

|         |   |     |              |  |
|---------|---|-----|--------------|--|
|         | during and immediately after a hazard event. Examples include warning systems, evacuation planning, emergency response training, and protection of critical emergency facilities or systems.  |     |              |  |
| 6.      | <b>6. Public Education and Awareness</b> - Actions to inform citizens about hazards and the techniques they can use to protect themselves and their property. Examples include outreach projects, school education programs, library materials, and demonstration events. | 126 | 1.421        |  |
| Average |   |     | <b>1.290</b> |  |
|         |   |     |              |  |

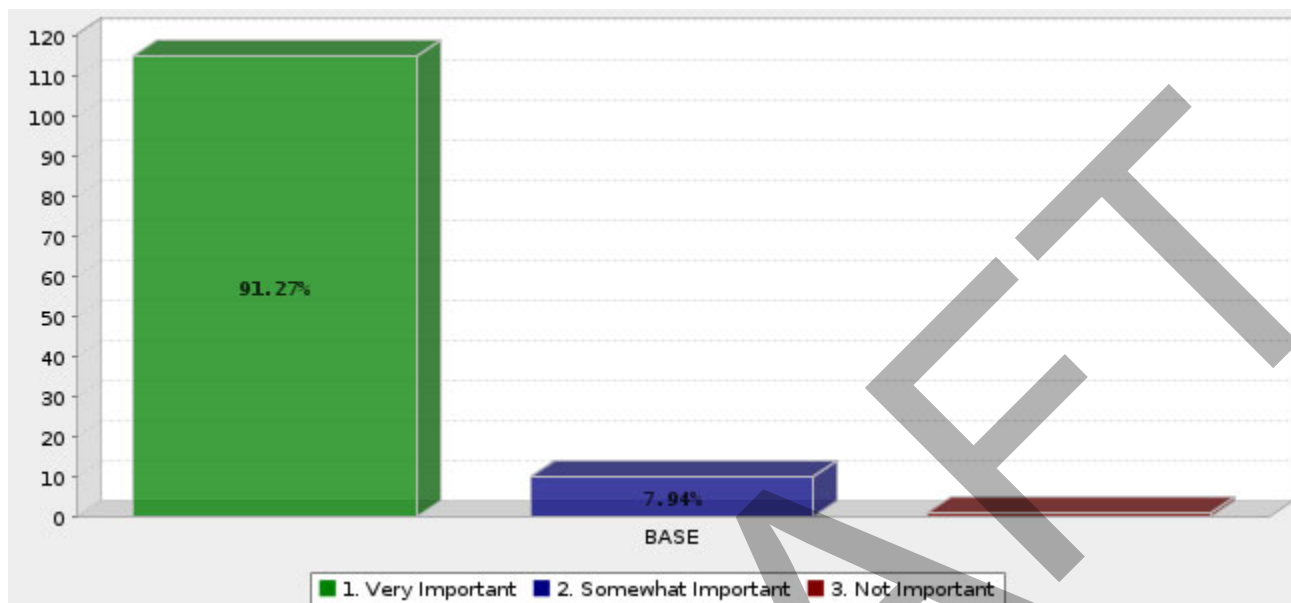
## **Q10. 1. Prevention**

**- Administrative or regulatory actions that influence the way land is developed**

**and buildings are built. Examples**

**include planning and zoning, building codes, open space preservation, and**

**floodplain regulations.**



|                     | Answer                | Count  | Percent                           |
|---------------------|-----------------------|--|-----------------------------------|
|                     | 1. Very Important     | 115  | 91.27%                            |
|                     | 2. Somewhat Important | 10   | 7.94%                             |
|                     | 3. Not Important      | 1  | 0.79%                             |
|                     | Total                 | 126  | 100%                              |
| Mean : <b>1.095</b> |                       | Confidence Interval @ 95% : <b>[1.039 - 1.151]</b> | Standard Deviation : <b>0.321</b> |
|                     |                       | Standard Error : <b>0.029</b>                      |                                   |

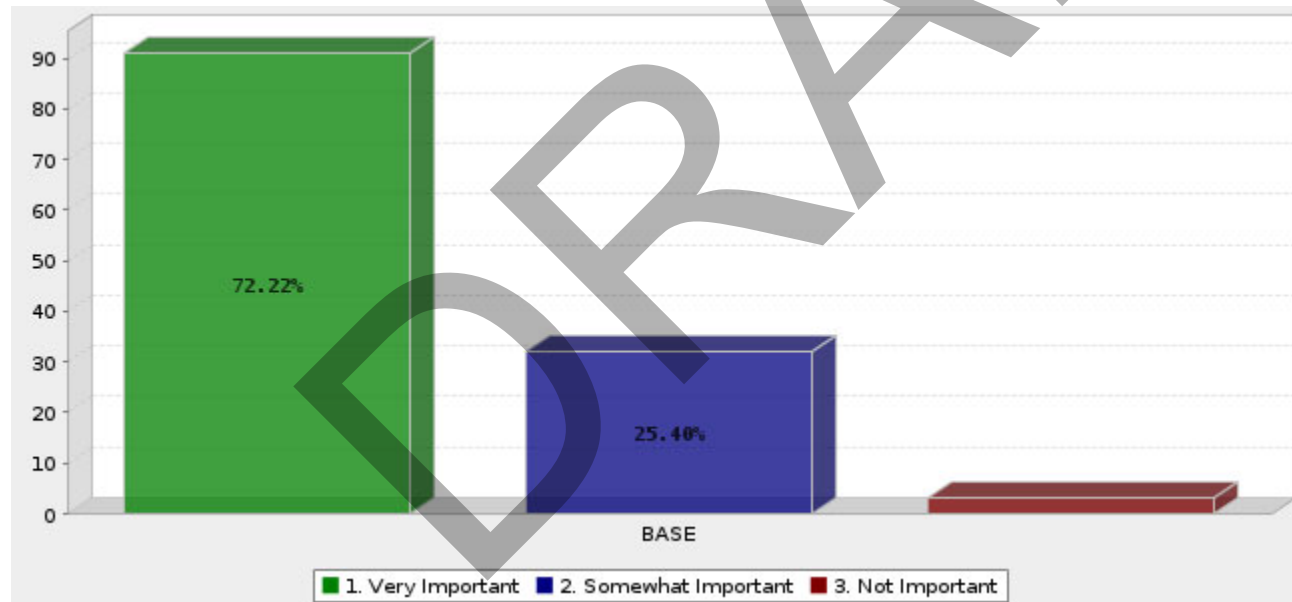


## Q10. 2. Property

**Protection - Actions that involve the modification of existing buildings to**

**protect them from a hazard or removal from the hazard area. Examples include acquisition, relocation,**

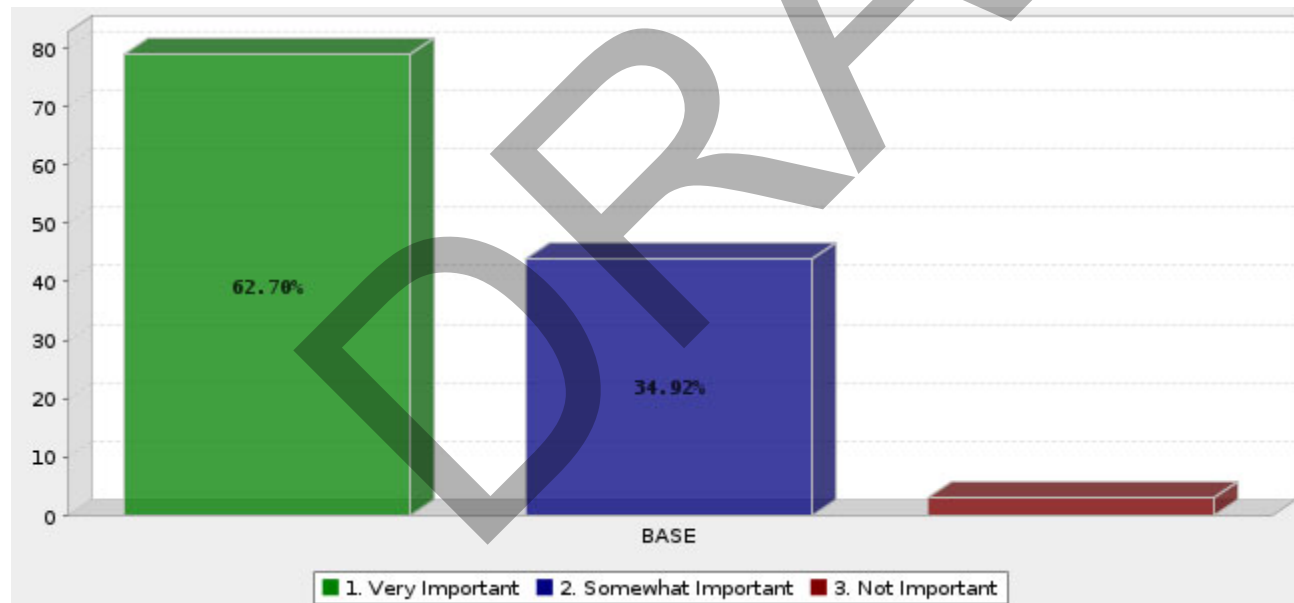
**elevation, structural retrofits, and storm shutters.**



|  | Answer             | Count | Percent |
|--|--------------------|-------|---------|
| 1.   | Very Important     | 91    | 72.22%  |
| 2.   | Somewhat Important | 32    | 25.40%  |
| 3.   | Not Important      | 3     | 2.38%   |
|  | Total              | 126   | 100%    |
| Mean : <b>1.302</b> Confidence Interval @ 95% : <b>[1.212 - 1.391]</b> Standard Deviation : <b>0.510</b> Standard Error : <b>0.045</b> |                    |       |         |

### Q10. 3. Natural

**Resource Protection - Actions that, in addition to minimizing hazard losses, also preserve or restore the functions of natural systems. Examples include: floodplain protection, habitat preservation, slope stabilization, riparian buffers, and forest management.**



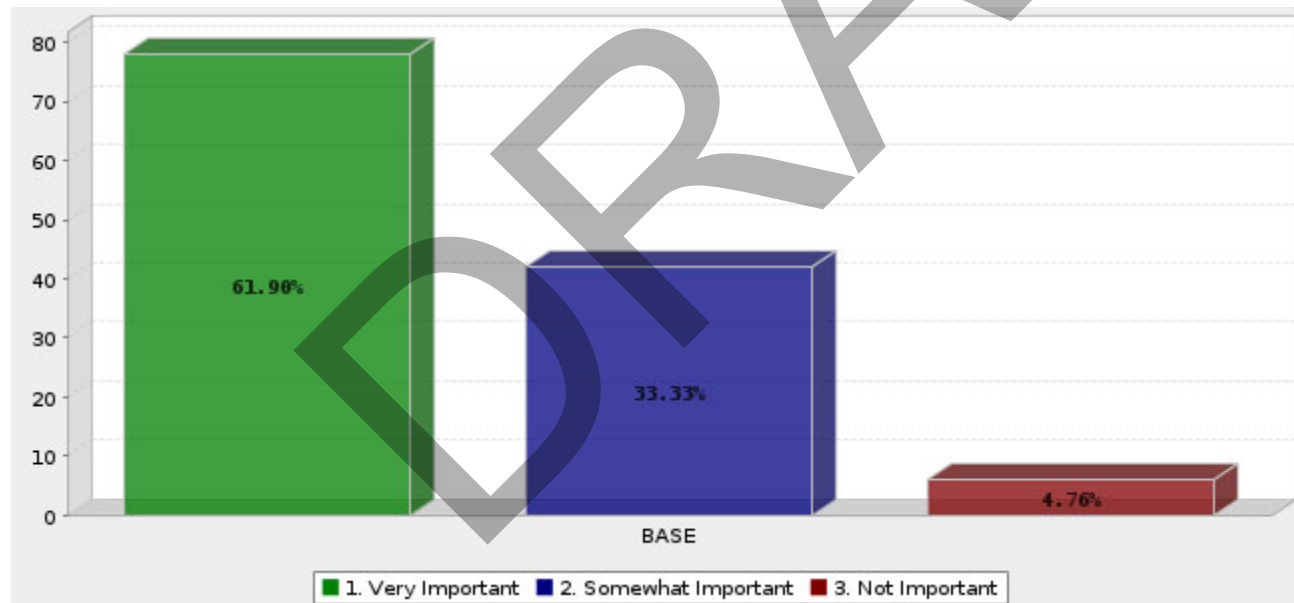
|  | <b>Answer</b>      | <b>Count</b> | <b>Percent</b> |
|--|--------------------|--------------|----------------|
| 1.   | Very Important     | 79           | 62.70%         |
| 2.   | Somewhat Important | 44           | 34.92%         |
| 3.   | Not Important      | 3            | 2.38%          |
|  | Total              | 126          | 100%           |
| <b>Mean : 1.397</b> <b>Confidence Interval @ 95% : [1.303 - 1.491]</b> <b>Standard Deviation : 0.538</b> <b>Standard Error : 0.048</b> |                    |              |                |

## Q10. 4. Structural

**Projects - Actions intended to lessen the impact of a hazard by modifying**

**the natural progression of the hazard.**

**Examples include dams, levees, detention/retention basins, channel modification, retaining walls, and storm sewers.**



|  | Answer             | Count | Percent |
|--|--------------------|-------|---------|
| 1.   | Very Important     | 78    | 61.90%  |
| 2.   | Somewhat Important | 42    | 33.33%  |
| 3.   | Not Important      | 6     | 4.76%   |
|  | Total              | 126   | 100%    |
| Mean : <b>1.429</b> Confidence Interval @ 95% : <b>[1.326 - 1.531]</b> Standard Deviation : <b>0.586</b> Standard Error : <b>0.052</b> |                    |       |         |



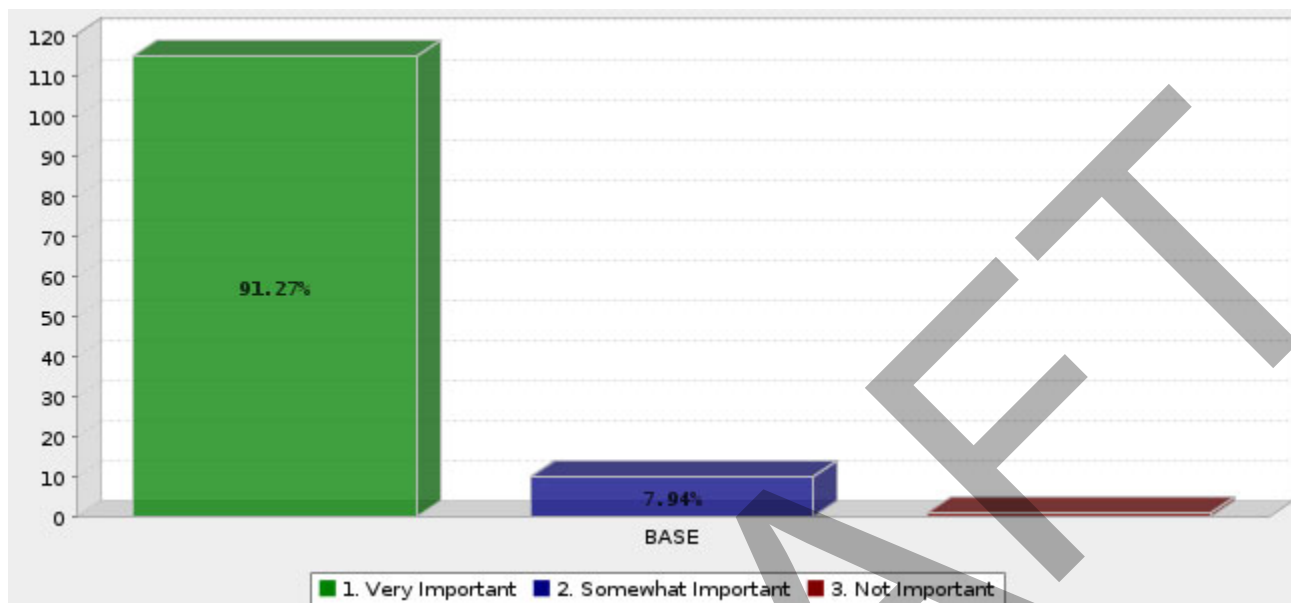
## **Q10. 5. Emergency**

**Services - Actions that protect people and property during and immediately**

**after a hazard event. Examples include**

**warning systems, evacuation planning, emergency response training, and**

**protection of critical emergency facilities or systems.**

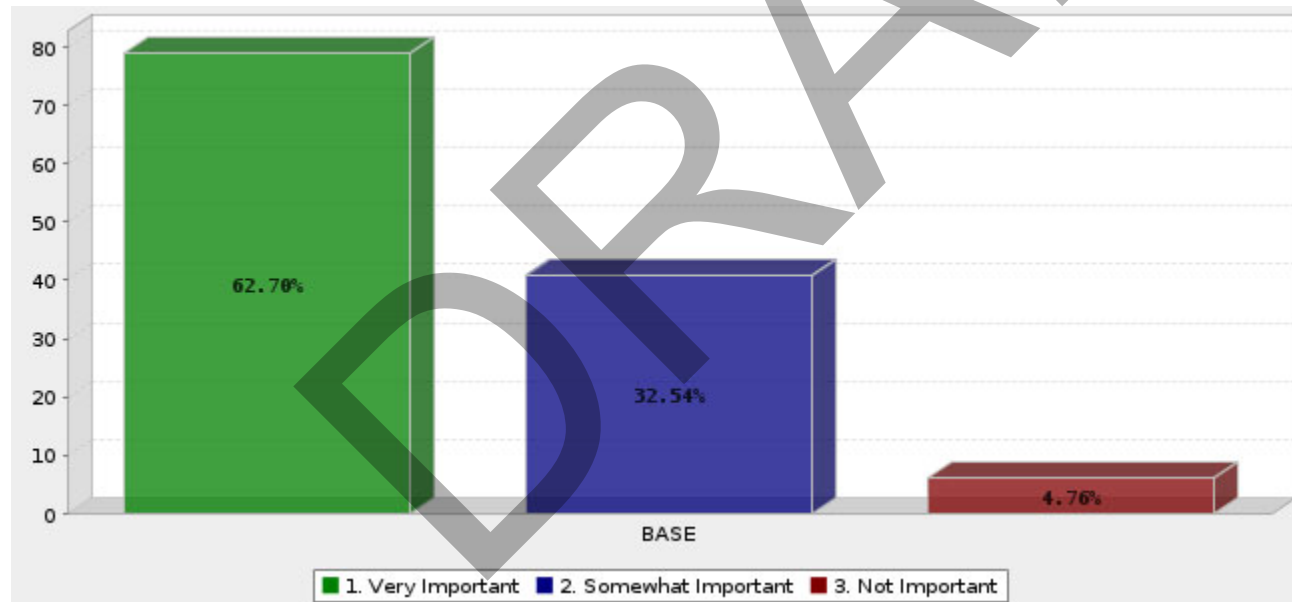


|                     | Answer                | Count  | Percent |
|---------------------|-----------------------|--|---------|
|                     | 1. Very Important     | 115  | 91.27%  |
|                     | 2. Somewhat Important | 10   | 7.94%   |
|                     | 3. Not Important      | 1  | 0.79%   |
|                     | Total                 | 126  | 100%    |
| Mean : <b>1.095</b> |                       | Confidence Interval @ 95% : <b>[1.039 - 1.151]</b> |         |
|                     |                       | Standard Deviation : <b>0.321</b>                  |         |
|                     |                       | Standard Error : <b>0.029</b>                      |         |

## Q10. 6. Public

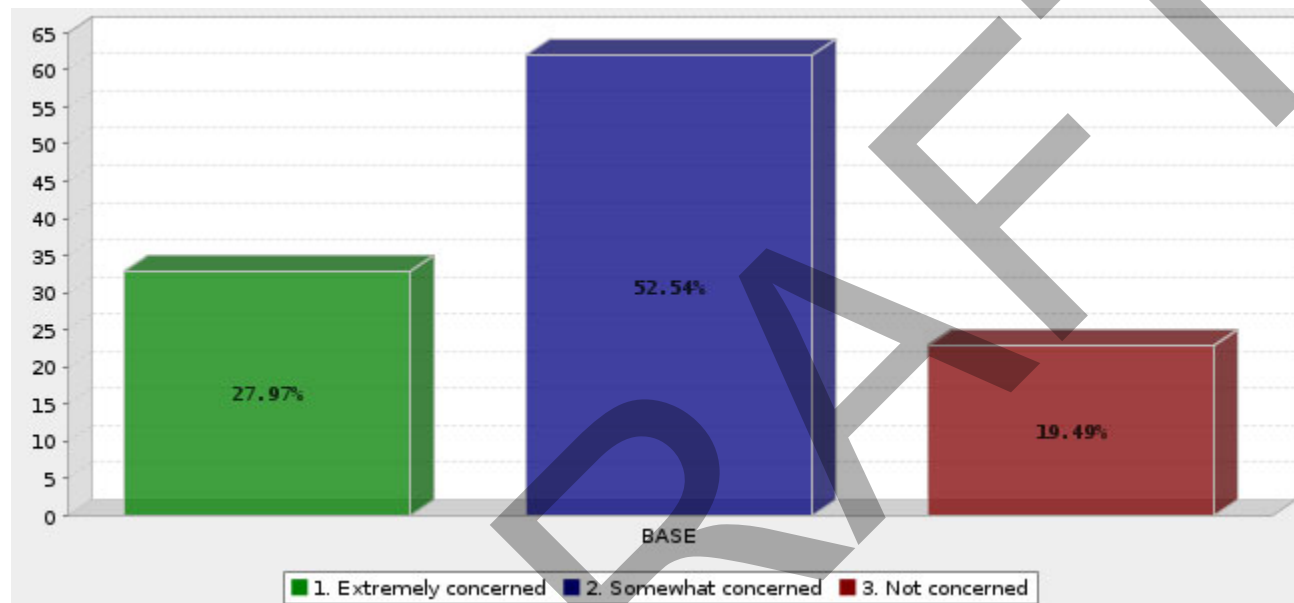
**Education and Awareness - Actions to inform citizens about hazards and the**

**techniques they can use to protect themselves and their property. Examples include outreach projects, school education programs, library materials, and demonstration events.**



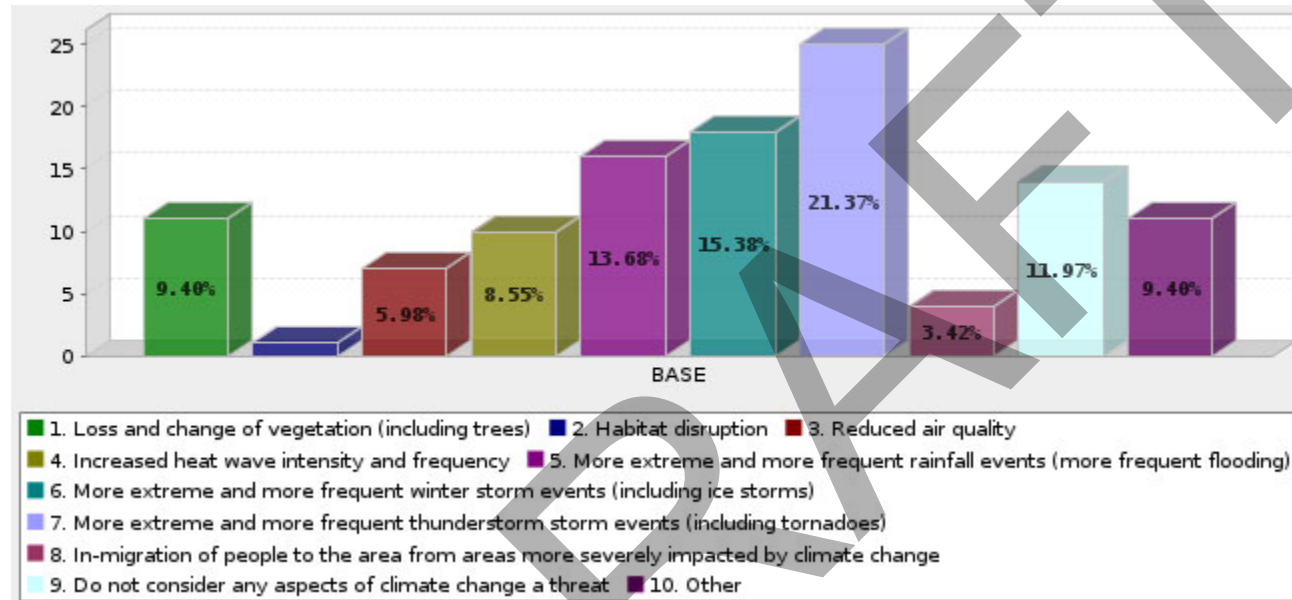
|  | Answer             | Count | Percent |
|--|--------------------|-------|---------|
| 1.   | Very Important     | 79    | 62.70%  |
| 2.   | Somewhat Important | 41    | 32.54%  |
| 3.   | Not Important      | 6     | 4.76%   |
|  | Total              | 126   | 100%    |
| Mean : <b>1.421</b> Confidence Interval @ 95% : <b>[1.319 - 1.523]</b> Standard Deviation : <b>0.585</b> Standard Error : <b>0.052</b> |                    |       |         |

# **Q11. How concerned are you about the possibility of the University being impacted by climate change?**



|                     | Answer                 | Count  | Percent                           |
|---------------------|------------------------|--|-----------------------------------|
|                     | 1. Extremely concerned | 33   | 27.97%                            |
|                     | 2. Somewhat concerned  | 62   | 52.54%                            |
|                     | 3. Not concerned       | 23   | 19.49%                            |
|                     | Total                  | 118  | 100%                              |
| Mean : <b>1.915</b> |                        | Confidence Interval @ 95% : <b>[1.791 - 2.039]</b> | Standard Deviation : <b>0.687</b> |
|                     |                        | Standard Error : <b>0.063</b>                      |                                   |

## Q12. Which aspect of climate change is the highest threat to the University in your opinion?

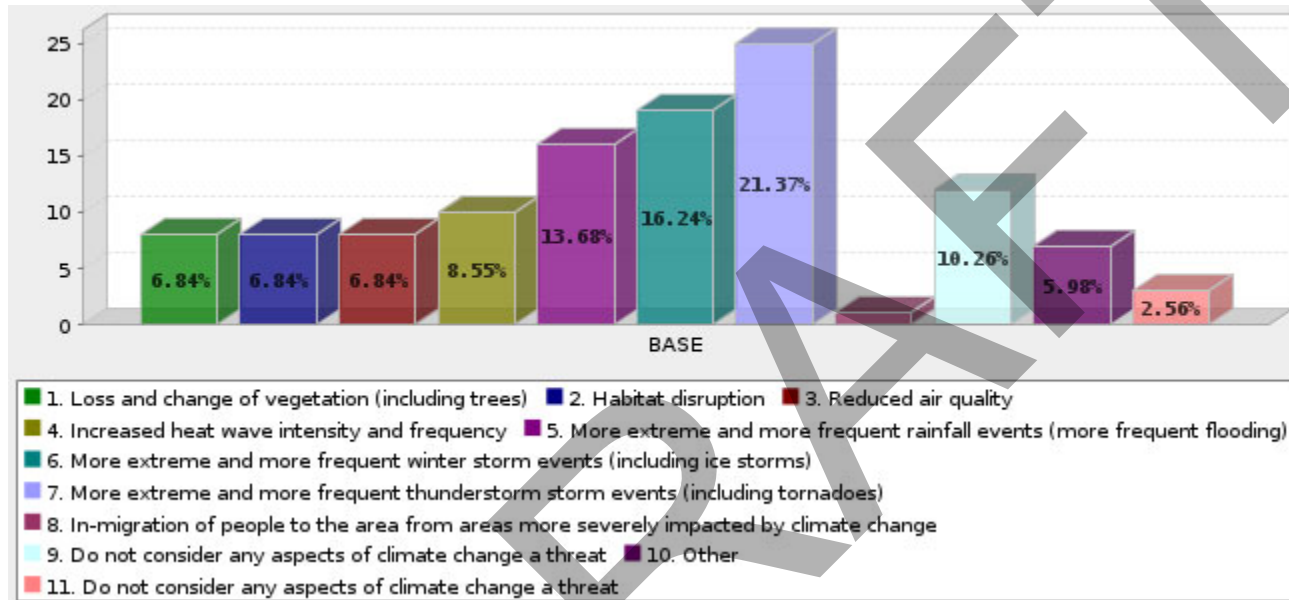


|  | Answer   | Count | Percent |
|--|--|-------|---------|
|  | 1. Loss and change of vegetation (including trees)                           | 11    | 9.40%   |
|  | 2. Habitat disruption  | 1     | 0.85%   |
|  | 3. Reduced air quality   | 7     | 5.98%   |
|  | 4. Increased heat wave intensity and frequency                               | 10    | 8.55%   |
|  | 5. More extreme and more frequent rainfall events (more frequent flooding)   | 16    | 13.68%  |
|  | 6. More extreme and more frequent winter storm events (including ice storms) | 18    | 15.38%  |



|  |  |     |        |
|--|--|-----|--------|
| 7.   | More extreme and more frequent thunderstorm storm events (including tornadoes)         | 25  | 21.37% |
| 8.   | In-migration of people to the area from areas more severely impacted by climate change | 4   | 3.42%  |
| 9.   | Do not consider any aspects of climate change a threat                                 | 14  | 11.97% |
| 10.  | Other  | 11  | 9.40%  |
|  | Total  | 117 | 100%   |
| Mean : <b>6.026</b> Confidence Interval @ 95% : <b>[5.564 - 6.487]</b> Standard Deviation : <b>2.548</b> Standard Error : <b>0.236</b> |  |     |        |

**Q13. Which aspect of climate change is the second highest threat to the University in your opinion?**



|  | Answer   | Count | Percent |
|--|--|-------|---------|
|  | 1. Loss and change of vegetation (including trees)                           | 8     | 6.84%   |
|  | 2. Habitat disruption  | 8     | 6.84%   |
|  | 3. Reduced air quality   | 8     | 6.84%   |
|  | 4. Increased heat wave intensity and frequency                               | 10    | 8.55%   |
|  | 5. More extreme and more frequent rainfall events (more frequent flooding)   | 16    | 13.68%  |
|  | 6. More extreme and more frequent winter storm events (including ice storms) | 19    | 16.24%  |

|  |  |     |        |
|--|--|-----|--------|
| 7.   | More extreme and more frequent thunderstorm storm events (including tornadoes)         | 25  | 21.37% |
| 8.   | In-migration of people to the area from areas more severely impacted by climate change | 1   | 0.85%  |
| 9.   | Do not consider any aspects of climate change a threat                                 | 12  | 10.26% |
| 10.  | Other  | 7   | 5.98%  |
| 11.  | Do not consider any aspects of climate change a threat                                 | 3   | 2.56%  |
|  | Total  | 117 | 100%   |
| Mean : <b>5.778</b> Confidence Interval @ 95% : <b>[5.310 - 6.246]</b> Standard Deviation : <b>2.583</b> Standard Error : <b>0.239</b> |  |     |        |

**Q24. In your opinion, what are some of the things the University is currently doing that should be continued in order to reduce or eliminate the climate change impacts on campus?**

|          |  |
|----------|--|
| 33198528 | Not familiar with what the University is doing in this area.   |
| 33196582 | plant more trees   |
| 33195737 | Having increased "green" spaces where there is natural biodiversity.   |
| 33189329 | Sustainability. It is nice when we can do things ourselves.  |
| 33189232 | I do not worry about those things. I think the efforts we are currently making to reduce our carbon footprint is important and should continue.                    |
| 33189213 | Recycling everything possible! This keeps us from mining for resources -- which keeps habitats/landscapes undisturbed.   |
| 33189175 | Don't know what you are currently doing  |
| 33188974 | greener energy & habitat restoration   |
| 33188973 | Research to discover more and better ways to adapt to weather changes including drought tolerant crops.  |
| 33188961 | The use of LED lights  |
| 33188904 | n/a  |
| 33188903 | Purchase more equipment to clear the snow and ice  |
| 33188901 | Keeping all of the buildings, especially the older structures, updated. Especially with extreme weather, strong structural buildings will help keep everyone safe. |
| 33188861 | Not sure they are doing much other than allowing remote work for some offices.   |

|          |  |
|----------|--|
| 33188259 | unknown  |
| 33188197 | Continual expansion of drainage systems, education about climate change  |
| 33188184 | unknown  |
| 33187949 | Teach  |
| 33187942 | We are a coal run campus but that shouldn't be our main focus. Solar panels or similar Alternative to supplement and possibly take over in the event of lack of coal or coal cooling plants breaking down.             |
| 33187923 | Not educated to what all they do- Education  |
| 33187823 | There's not a lot the University can do, since it's mainly massive corporations who are causing climate change. I appreciate how the university has places to recycle, and the water bottle filling stations are nice. |
| 33187820 | preserving our green spaces  |
| 33187811 | Not sure.  |
| 33187705 | I don't think they are doing anything to address threats. At least if they are, they failed miserably to execute it.   |
| 33187603 | I don't know what the University is currently doing. This would be interesting to learn.   |
| 33187587 | "Green" initiatives and sustainability resources; tree protection standards; advanced recycling programs.  |
| 33187549 | unsure   |
| 33187543 | Upgrading buildings to be more energy efficient.   |
| 33184517 | sustainability planning and implementation   |
| 33181372 | recent storm water projects not just esthetically pleasing but will help to reduce flooding  |
| 33181343 | The climate has been changing since the beginning of time . Activists need to get a clue . A non factor .  |
| 33181335 | n/a  |
| 33181328 | Further Training awareness on Hazards around campus.   |

|          |  |
|----------|--|
| 33181327 | I do not believe that is an immediate threat   |
| 33181006 | Keep up with Campus manholes, tunnels, buildings, trees, inspections.  |
| 33174620 | Reduce energy consumption. Reduce waste where ever possible, continue recycling, reduce paper waste, encourage use of mass transportation.   |
| 33174538 | Improve recycling, move to a culture of green energy and transportation, reduce waste, update buildings, communicate the university community about disasters and weather events, closures, etc  |
| 33174497 | emissions reductions should be continued; increased transportation options   |
| 33163448 | Investing in programs that support sustainable business and agriculture . . .  |
| 33163309 | Review the use of reliance on fossil fuels, incorporate more energy saving features in buildings (even the older ones).  |
| 33163235 | Upgrading storm drainage.  |
| 33163189 | i do not know what the University is doing to eliminate climate change impacts on campus.  |
| 33163117 | Keep landscaping and water conservation.   |
| 33163034 | I saw battery powered shuttles being utilized around campus for larger groups. Bicycle Programs for students. Some green spaces on roof tops. Water bottles water fountains saving plastics from being used. Utilizing Robots in & around the hospital for delivery of products.                     |
| 33162977 | Planting trees and beautiful gardens.  |
| 33162953 | Improve the erosion control practices around trees to minimize bare ground. Decrease impervious surfaces. Increase the use of nature based solutions and green infrastructure. Establish or maintain riparian buffers along streams on farms. Utilize two-stage ditch designs on agricultural areas. |
| 33162892 | Keeping high standards of energy efficiency.   |
| 33162859 | Substantially increase the tree canopy on campus. Convert to 100% renewable energy.  |
| 33162837 | Plant more trees. More vegetation on campus.   |



|          |   |
|----------|---|
| 33162801 | The recycling program is good. There should be more composting.   |
| 33162776 | Continued development and implementation of the Sustainability Strategic Plan (I.e. decarbonization, efficiency, creative water reuse), although it seems the plan is shifting a little too far into the social justice realm lately.   |
| 33162754 | Continue to have green spaces with more natural features that reduce runoff, etc.   |
| 33162717 | I'm not really sure what steps they are taking.   |
| 33158139 | Recycling, air/water quality monitoring, reusing surplus furniture and equipment, energy efficiency.  |
| 32670998 | The scooters on campus, the busses  |
| 32669995 | Dividing trash and recycling.   |
| 32669820 | The study of Climate Change impacts must be done across all academic disciplines. Knowledge of climate change needs to be better communicated to the greater Kentucky community. This should be one of UK's biggest priorities just behind the major Health Care mission provided to the state. |
| 32669613 | N/A   |
| 32669509 | Energy conservation. Continuing to seek methods to reduce the carbon footprint of the university.   |
| 32669383 | Continue tree protection and planting more trees (increasing the overall tree canopy) to manage stormwater and reduce the urban heat island effect.   |
| 32645266 | Preserve green spaces; increase LEED-certified new buildings; reduce # of on-campus students w cars; better plan for storm evac (relax the policies for Plan A/B staff too).  |
| 32643962 | Plant more trees to reduce urban heat island impacts  |
| 32643835 | Warning systems for evacuation.   |
| 32643704 | Encouraging the use of public transport and bike usage  |
| 32643651 | Annual BEAP updates. Storm water drainage upgrades.   |
| 32643603 | Improving drainage to mitigate flooding   |
| 32587706 | Plant more trees to improve air quality. Reinforce new buildings against tornados and ground shifts   |

# **Q14. In your opinion, what are some additional steps the University could take to reduce the impact of climate change on campus?**

|          |   |
|----------|---|
| 33198699 | Be in tune to the earth and its reaction to what is going on in the natural environment and how Man made constructs may impact it.  |
| 33198528 | Collaborate with the city of Lexington and all utility providers to UK, as well as University IT - to ensure all plans are in sync. Personally, I'd also love to see newer buildings incorporate solar technology.  |
| 33196582 | change over to EV's   |
| 33195737 | Having increased forested areas of strong native trees that can withstand an ice storm and provide cooler air temps in the summer. Having forested areas would also reduce wind damage, and provide an outlet for increased rain fall. Tall native grasses around water ways will help with clogged drains and reduce flooding/erosion.                     |
| 33189329 | Climate is going to change. Just knowing is half the battle.  |
| 33189232 | none.   |
| 33189213 | Increased research and reliance on solar and wind energy in a way that supports the parts of the state that will be impacted by the loss of coal jobs. Coal needs to go, as does natural gas, but politicians won't get behind such measures until they (or their constituents) know that they can have new jobs/careers in the clean industry marketplace. |
| 33189175 | Replace windows in my old building  |
| 33188973 | Control non-recyclable waste and make recycling as easy as it is to currently throw away trash.   |
| 33188961 | Contuse allowing staff to work remotely, it cuts down on electric costs   |
| 33188904 | n/a   |
| 33188903 | none  |

|          |   |
|----------|---|
| 33188901 | Always look for improvements (i.e. building structures or alert systems).   |
| 33188861 | Take employee's safety into consideration when making decisions regarding safe working conditions related to climate change issues.   |
| 33188259 | unknown   |
| 33188197 | Encouraging expansion of mitigation efforts in the Bluegrass area Hardening buildings and considering severe weather survivability in new building construction.  |
| 33188184 | lower their carbon footprint  |
| 33188162 | We need to maintain or increase the amount of green space on and around campus.   |
| 33187949 | Teach   |
| 33187942 | Update old buildings with engery efficiency windows roofs, solar panel, solar batteries. Have campus vehicle become hybrids or electric.  |
| 33187923 | Listen to those that know   |
| 33187902 | I don't know if the University is currently doing this, but future buildings could be LEEDs certified.  |
| 33187889 | vertical parking busses with fewer steps  |
| 33187884 | Build new building with climate change in mind. This would include considerations of utilizing sustainable energy sources, reducing water usage, and reducing heating/cooling losses.   |
| 33187827 | Updates to facilities- there are many older buildings on campus which are not equipped to withstand brutal temperatures or bad storm events. For example: The building I work in has numerous leaks, poor air quality, poor climate control, and numerous other issues. These will only get worse as climate change leads to more unstable weather patterns, unless the university commits to updating this and other buildings that desperately need it. |
| 33187823 | A huge percentage of staff/students/faculty commute to campus, and that is certainly not helping the climate change issue. Working with the city for more efficient bus routes/ a trolley would be ideal, but it seems unlikely to happen.  |

|          |   |
|----------|---|
| 33187811 | Promote more work from home. This would consume significantly fewer nonrenewable resources.   |
| 33187705 | Anything would be an improvement, but response time and execution of requests through the university system needs a major overhaul.   |
| 33187603 | Utilize solar energy where applicable.  |
| 33187587 | ???   |
| 33187549 | unsure  |
| 33187543 | Encourage people to ride the LexTran bus.   |
| 33187536 | Increase the number of solar panels on campus   |
| 33184517 | incorporate climate change into extension programming.  |
| 33181343 | No steps need to be taken .   |
| 33181335 | n/a   |
| 33181328 | Continue to keep employees informed about upcoming forecast   |
| 33181327 | I'm not sure.   |
| 33181006 | Adapt to it: i.e; If a tree is dead or condemned then it should be chopped down instead of remain as a potential threat.  |
| 33174620 | Energy audits of buildings, student groups for sustainability and climate action.   |
| 33174538 | Improve HVAC and filtration of air, renovate White Hall and POT   |
| 33174497 | we need more outdoor seating and shelters, particularly at bus stops; improved climate control and air circulation in buildings (especially older build); greywater systems to take advantage of increased rainfall |
| 33163448 | Invest more in programs that support sustainable business and agriculture . . .   |
| 33163309 | Encourage more public transportation. Not allow freshmen cars on campus.  |

|          |   |
|----------|---|
| 33163265 | Have more storm shelters, campus wide sirens, better communication to remote, non-campus offices and employees  |
| 33163235 | Better windows. Better protection for windows. The broken windows that occurred in Healthy Kentucky building is unacceptable. Better insulation for water lines to protect during ultra-low temperatures.   |
| 33163189 | use renewable sources of energy, public education, stop burning coal, plant more trees,   |
| 33163117 | More landscaping and less traffic impact near campus.   |
| 33163034 | Utilizing more Solar and Wind turbine to generate Power for University. If not going to update actual structures then update materials i.e. blinds, flooring, insulation to mitigate temperature control. Irradigate the mold and mildew out of most the old hospital buildings and automatically improve the health and wellbeing of you employees and the climate as well. This also includes all the old dorms or any old buildings that continue to have formaldehyde and biohazardous materials that we know for a fact make people ill. |
| 33162977 | Letting people work from home to reduce commuting.  |
| 33162953 | Improve the erosion control practices around trees to minimize bare ground. Decrease impervious surfaces. Increase the use of nature based solutions and green infrastructure. Establish or maintain riparian buffers along streams on farms. Utilize two-stage ditch designs on agricultural areas. Examine retrofitting detention basins to minimize the amount of time flows exceed erosion thresholds.  |
| 33162859 | Design campus systems that are sustainable and resilient.   |
| 33162837 | Instead of just parking lots, build multistory parking garages and put vegetation around them. Make the campus a "walking campus" by removing interior streets and putting in vegetation areas.   |
| 33162801 | Stop using coal as a fuel source on campus!   |
| 33162776 | Continued support for Cenergistic energy conservation program and investment into more sophisticated technologies (I.e. Combined Heat & Power CHP power/steam plant, automated plant controls and distribution instrumentation).  |
| 33162754 | Reduce the frequency and duration of construction projects, because they create a real problem with things like runoff, air and noise pollution; discourage the grounds people from using multiple gasoline powered leaf blowers on a daily basis.  |

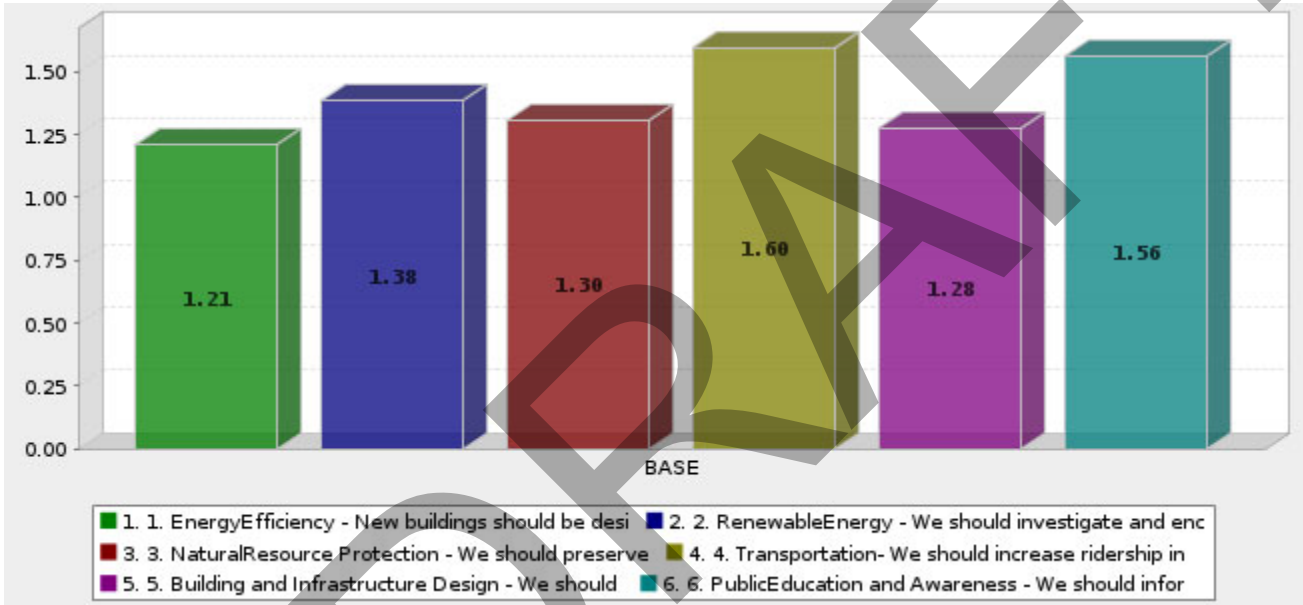
|          |   |
|----------|---|
| 33162722 | Eliminate the use of coal Plant trees and other plants to improve biodiversity and lessen the effects of extreme heat on campus   |
| 33158139 | transportation improvements   |
| 32669995 | Participate in more environmentally-friendly activities and offer more services.  |
| 32669820 | More solar capacity should be built into new construction. Geothermal systems for HVAC should be incorporated when possible. these and other techniques should then be incorporated in academic instruction by involving faculty and staff along with students.   |
| 32669613 | N/A   |
| 32669509 | Planning for severe weather related emergencies. Frequency of rare events seems to be slowly increasing. It should be expected that now a once in generation type of event may happen more often now due to climate change. Planning for the future of these events instead of reacting after they occur.   |
| 32669383 | Improve campus landscaped areas, including planting more trees and shrubs - increase the amount of greenspace and green infrastructure and improve how it is managed.   |
| 32645266 | Mandate recycling by students; change materials in the cafeterias to biodegradable; select vendors who recycle & use recycled materials   |
| 32643962 | Plant more trees, better insulation on/in buildings. Build our own carbon offset programs on university owned land where possible. Push the choice of recycled product purchasing. Purchasing is a huge part of impacting climate change. Do not purchase power from non-renewable sources. Allow more folks to work remotely there by reducing commute energy, parking on campus demands, and less need for additional real estate/building on campus. |
| 32643835 | Change how building temperature and humidity is managed (perhaps so that it is more building-specific); invest in better climate control and mitigation of water hazards in buildings.  |
| 32643704 | "Green" designs for new constructions. Address alternate transportation modes. Increase recycling and look for ways to decrease water usage.  |
| 32643651 | More vegetation. Less concrete.   |



|          |   |
|----------|---|
| 32643603 | Ensure all facilities (on and off campus) have a place for building occupants to go during severe weather (e.g., tornado shelter) |
| 32641067 | Ensure we are building structurally sound buildings.  |
| 32587706 | Reduce carbon footprint, move utilities underground   |

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**Q15. A number of campus-wide activities can help reduce the impacts of climate change. In general, these activities fall into one of the following categories. Please tell us how important you think each one is for the University to pursue.**



Q15. Overall Matrix Scorecard : A number of campus-wide activities can help reduce the impacts of climate change. In general, these activities fall into one of the following categories. Please tell us how important you think each one is for the University to pursue.

|    | Question   | Count | Score |  |
|----|--|-------|-------|--|
| 1. | 1. Energy Efficiency - New buildings should be designed to a | 116   | 1.207 |  |

|    |  |     |       |  |
|----|--|-----|-------|--|
|    | high standard of energy efficiency. Existing buildings should be upgraded so that they are more energy efficient.  |     |       |  |
| 2. | <b>2. Renewable Energy</b> - We should investigate and encourage small-scale, renewable energy systems that reduce our dependency on fossil fuels.   | 115 | 1.383 |  |
| 3. | <b>3. Natural Resource Protection</b> - We should preserve or restore the functions of natural systems. Examples include: tree canopy enhancements, protecting wetlands and natural areas.   | 115 | 1.304 |  |
| 4. | <b>4. Transportation</b> - We should increase ridership in mass transit and ensure transit vehicles use renewable energy sources. We should also support more walking and biking infrastructure, as well as vehicle sharing.   | 114 | 1.596 |  |
| 5. | <b>5. Building and Infrastructure Design</b> - We should design and build to better adjust to projected changes in the climate. Examples include green roofs, white or reflective roofs, on-site stormwater retention, and elevating or upgrading storm sewer lines. | 116 | 1.276 |  |
| 6. | <b>6. Public Education and Awareness</b> - We should inform citizens about climate change and the actions we can take to reduce its  | 116 | 1.560 |  |

|         |   |  |       |  |
|---------|---|--|-------|--|
|         | impact. Examples include outreach projects, school education programs, library materials, and demonstration events. |  |       |  |
| Average |   |  | 1.388 |  |
|         |   |  |       |  |

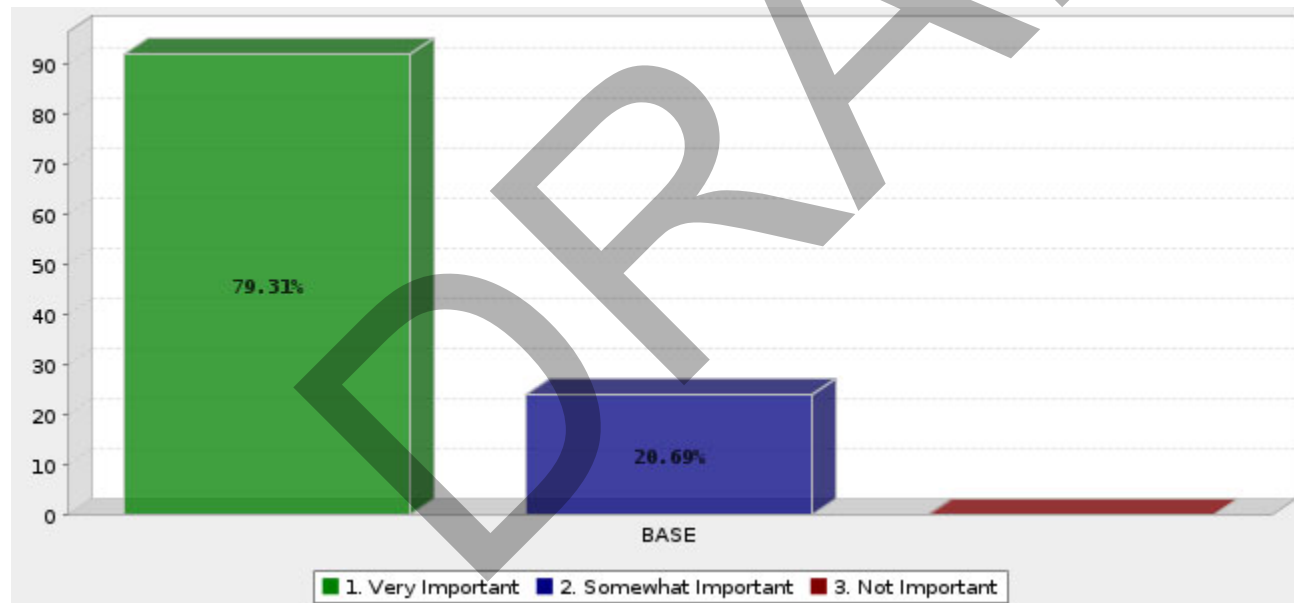
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## Q15. 1. Energy

**Efficiency - New buildings should be designed to a high standard of energy**

**efficiency. Existing buildings should be upgraded so that they are more energy**

**efficient.**



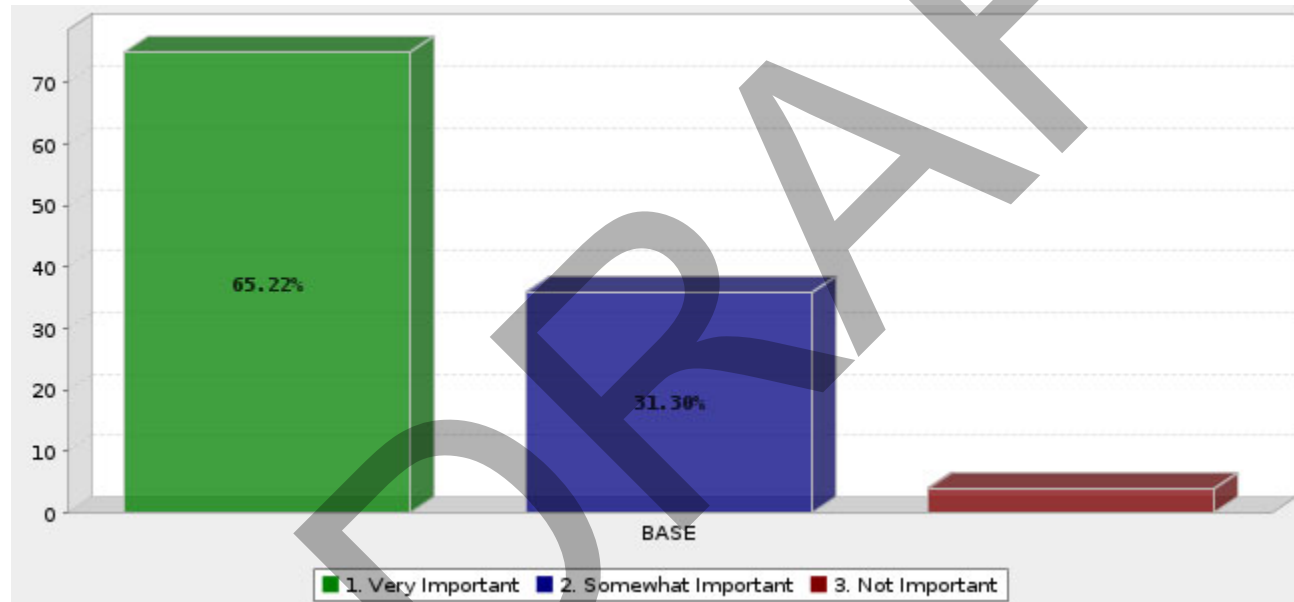
|  | Answer             | Count | Percent |
|--|--------------------|-------|---------|
| 1.   | Very Important     | 92    | 79.31%  |
| 2.   | Somewhat Important | 24    | 20.69%  |
| 3.   | Not Important      | 0     | 0.00%   |
|  | Total              | 116   | 100%    |
| Mean : <b>1.207</b> Confidence Interval @ 95% : <b>[1.133 - 1.281]</b> Standard Deviation : <b>0.407</b> Standard Error : <b>0.038</b> |                    |       |         |



## Q15. 2. Renewable

**Energy - We should investigate and encourage small-scale, renewable energy**

**systems that reduce our dependency on fossil fuels.**

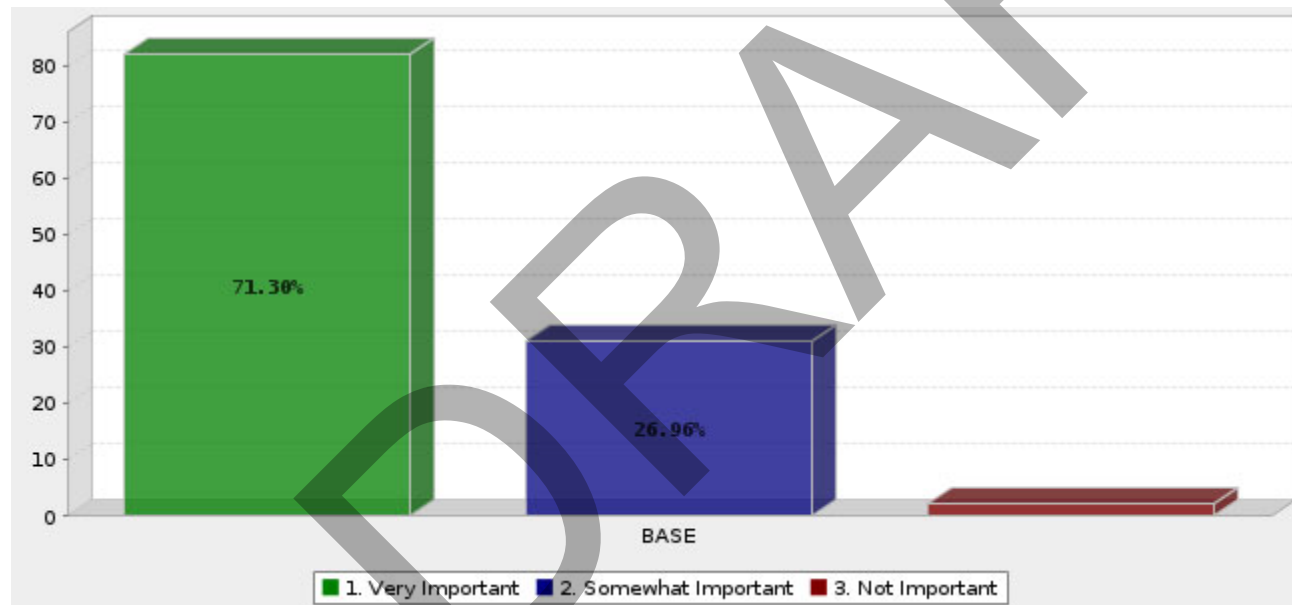


|    | Answer             | Count | Percent |
|----|--------------------|-------|---------|
| 1. | Very Important     | 75    | 65.22%  |
| 2. | Somewhat Important | 36    | 31.30%  |

|  |     |       |
|--|-----|-------|
| 3. Not Important   | 4   | 3.48% |
| Total  | 115 | 100%  |
| Mean : <b>1.383</b> Confidence Interval @ 95% : <b>[1.281 - 1.484]</b> Standard Deviation : <b>0.555</b> Standard Error : <b>0.052</b> |     |       |

### Q15. 3. Natural

**Resource Protection - We should preserve or restore the functions of natural systems. Examples include: tree canopy enhancements, protecting wetlands and natural areas.**



|    | Answer             | Count | Percent |
|----|--------------------|-------|---------|
| 1. | Very Important     | 82    | 71.30%  |
| 2. | Somewhat Important | 31    | 26.96%  |

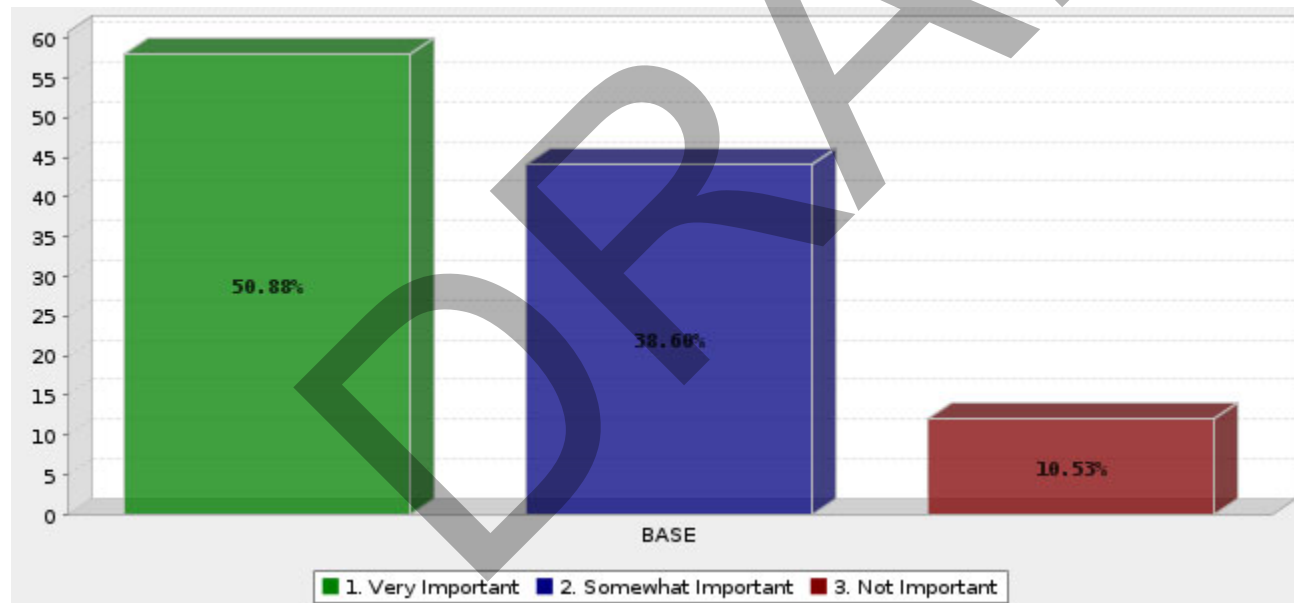
|  |     |       |
|--|-----|-------|
| 3. Not Important   | 2   | 1.74% |
| Total  | 115 | 100%  |
| Mean : <b>1.304</b> Confidence Interval @ 95% : <b>[1.213 - 1.395]</b> Standard Deviation : <b>0.499</b> Standard Error : <b>0.047</b> |     |       |

## Q15. 4. Transportation

- We should increase ridership in mass transit and ensure transit vehicles use

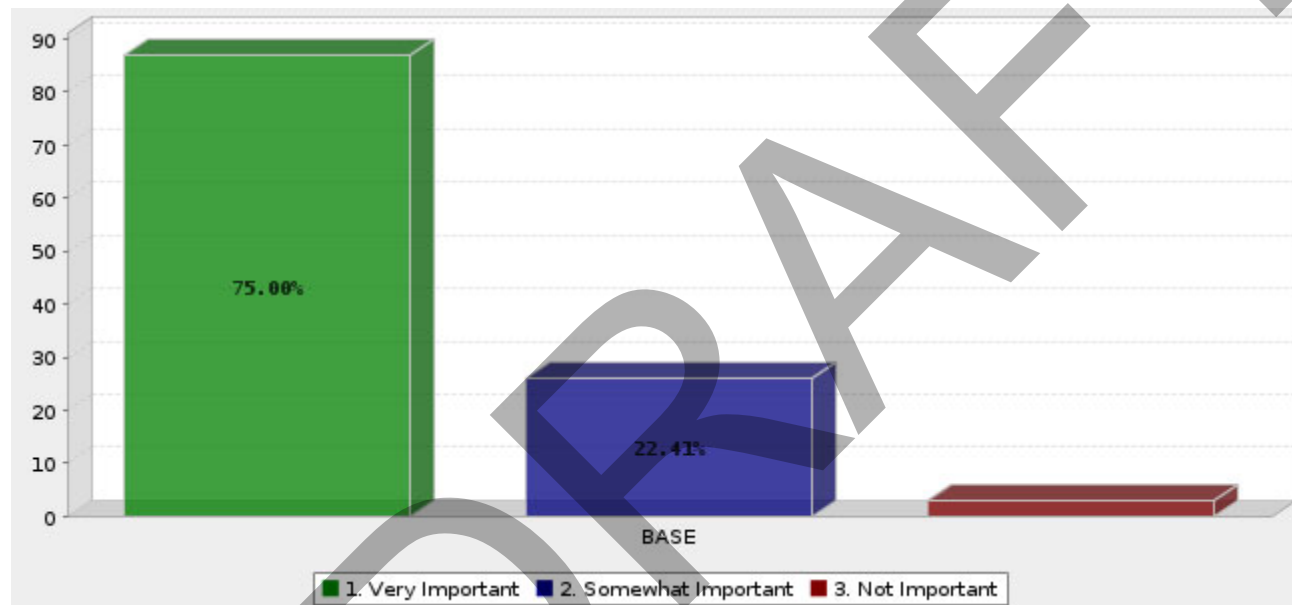
renewable energy sources. We should also support more walking and biking

infrastructure, as well as vehicle sharing.



|  | Answer             | Count | Percent |
|--|--------------------|-------|---------|
| 1.   | Very Important     | 58    | 50.88%  |
| 2.   | Somewhat Important | 44    | 38.60%  |
| 3.   | Not Important      | 12    | 10.53%  |
|  | Total              | 114   | 100%    |
| Mean : <b>1.596</b> Confidence Interval @ 95% : <b>[1.473 - 1.720]</b> Standard Deviation : <b>0.675</b> Standard Error : <b>0.063</b> |                    |       |         |

**Q15. 5. Building and Infrastructure Design - We should design and build to better adjust to projected changes in the climate. Examples include green roofs, white or reflective roofs, on-site stormwater retention, and elevating or upgrading storm sewer lines.**



|    | Answer             | Count | Percent |
|----|--------------------|-------|---------|
| 1. | Very Important     | 87    | 75.00%  |
| 2. | Somewhat Important | 26    | 22.41%  |
| 3. | Not Important      | 3     | 2.59%   |
|    | Total              | 116   | 100%    |



|                     |  |                                   |                               |
|---------------------|--|-----------------------------------|-------------------------------|
| Mean : <b>1.276</b> | Confidence Interval @ 95% : <b>[1.184 - 1.368]</b> | Standard Deviation : <b>0.504</b> | Standard Error : <b>0.047</b> |
|---------------------|--|-----------------------------------|-------------------------------|

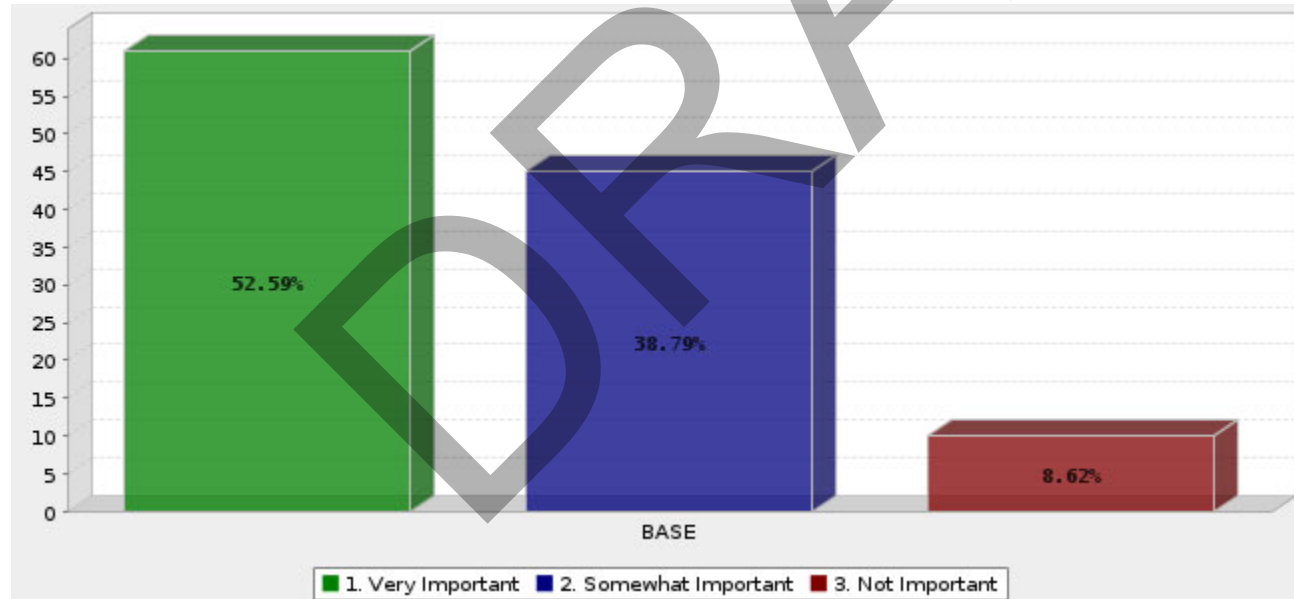
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## Q15. 6. Public

**Education and Awareness - We should inform citizens about climate change**

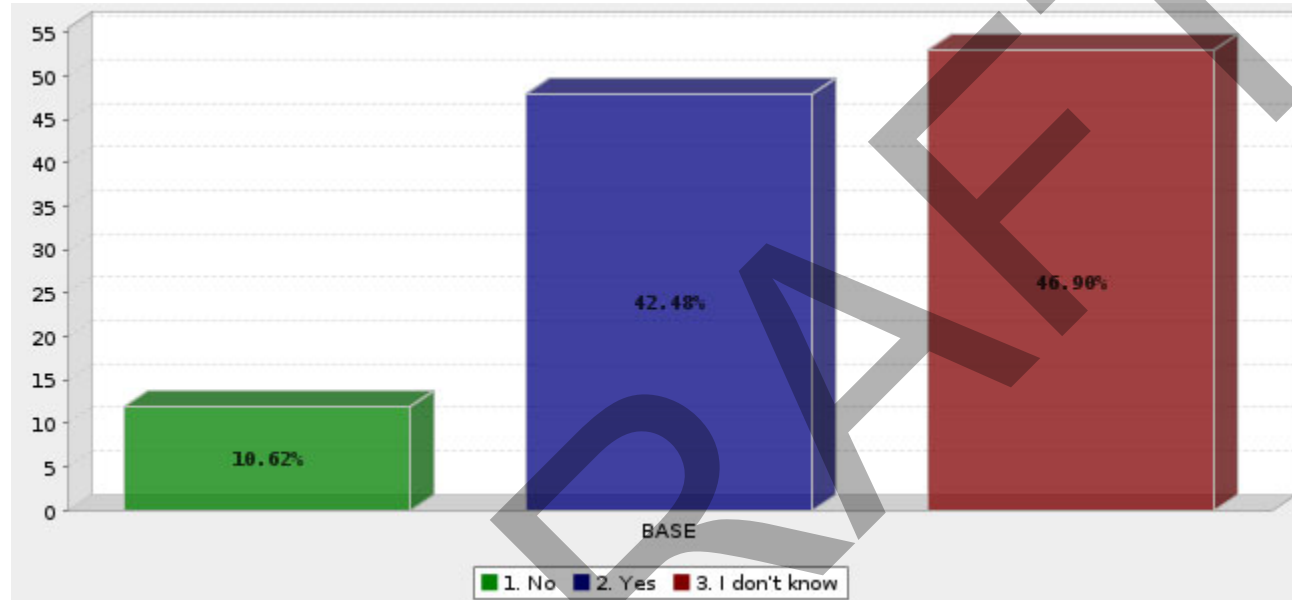
**and the actions we can take to reduce its impact. Examples include outreach projects,**

**school education programs, library materials, and demonstration events.**



|  | Answer             | Count | Percent |
|--|--------------------|-------|---------|
| 1.   | Very Important     | 61    | 52.59%  |
| 2.   | Somewhat Important | 45    | 38.79%  |
| 3.   | Not Important      | 10    | 8.62%   |
|  | Total              | 116   | 100%    |
| Mean : <b>1.560</b> Confidence Interval @ 95% : <b>[1.442 - 1.679]</b> Standard Deviation : <b>0.650</b> Standard Error : <b>0.060</b> |                    |       |         |

**Q16. Are some parts of the campus particularly vulnerable to hazards, or is the entire campus equally vulnerable?**



|                     | Answer          | Count  | Percent                           |
|---------------------|-----------------|--|-----------------------------------|
|                     | 1. No           | 12   | 10.62%                            |
|                     | 2. Yes          | 48   | 42.48%                            |
|                     | 3. I don't know | 53   | 46.90%                            |
|                     | Total           | 113  | 100%                              |
| Mean : <b>2.363</b> |                 | Confidence Interval @ 95% : <b>[2.239 - 2.486]</b> | Standard Deviation : <b>0.669</b> |
|                     |                 | Standard Error : <b>0.063</b>                      |                                   |

## Q17. If “Yes,” what areas are most vulnerable, and what are their uses?

|          |   |
|----------|---|
| 33198839 | handicapper enter 0r exit   |
| 33198699 | All   |
| 33198528 | This isn't really a yes/no question :-( But I agree that some parts of campus are more vulnerable to hazards than others.   |
| 33196582 | those built directly on sink holes  |
| 33195737 | Parking lots and roof tops, these areas have a large continuous surface area that exposes them to more temp changes that cause damage and they have no way to reduce flooding to the surrounding area.  |
| 33193076 | Can't open windows. In-building air quality is not good.  |
| 33190795 | Older facilities used to store/use hazardous materials  |
| 33190477 | The hospitals.  |
| 33189329 | Greenspaces with older trees need to be constantly monitored - which I am sure PPD folks are doing.   |
| 33189232 | Areas that are prone to becoming hazards first, for instance, overpasses like by AG, or areas with high wind, water freezes faster. Storm grates and drains, etc.   |
| 33189213 | Just a note that this question does not have an answer that corresponds. Is it "yes" to some parts or equal parts? Anyway, the medical center is vulnerable to cyber threats and infectious disease outbreaks, more so than some other areas of campus. This, of course, doesn't include any threats from climate change. Wonky question. |
| 33188973 | I think the tornado and flood in 2021-2022 made us all aware that disaster can strike any location, however the mass of people on main campus could prove to be particularly dangerous.   |
| 33188901 | Older buildings would be more at risk.  |

|          |  |
|----------|--|
| 33188162 | residence halls---we saw it this winter with the pipes bursting in Haggin hall with the severe cold weather. More buildings could be impacted in the future.   |
| 33187934 | The outlying properties are more vulnerable but the core campus is most important due to human capacity  |
| 33187884 | The off-campus locations are particularly vulnerable, as those buildings are not built as sturdy. It often feels like these off-campus locations are "after thoughts" relative to on-campus facilities.  |
| 33187832 | older buildings that were built in a previous climate status   |
| 33187811 | The older buildings where there is no ventilation and I think there is still asbestos. I know there is radon because they installed a mitigation system years after I started working there. Air quality in the older buildings is unacceptable. |
| 33187784 | Depends on your work location.   |
| 33187766 | For infectious disease- the hospital and ambulatory clinics as well as dormitories. For weather events the sidewalks on campus that are used but not cleared and are on an incline, as well as those that are shaded from natural sunlight.      |
| 33187705 | Entire campus as well as off-campus locations that get forgotten.  |
| 33187587 | Western Kentucky is the new "tornado alley"  |
| 33184517 | Robinson center and forest, farms with livestock   |
| 33181372 | lower areas vulnerable to flooding include the Upper St/Scott St areas. These areas are home to several utility plants that are critical to campus   |
| 33181328 | Hospitals on Campus. Serve the state of Kentucky with all of their medical resources   |
| 33181006 | Old trees, and old construction buildings.   |
| 33174620 | Areas where fuel is stored or electricity generated (there is an electrical yard by the VA Hospital, and the coal power plant should be removed and replaced with renewable energy.  |
| 33174538 | Labs and research facilities in neighboring counties   |

|          |  |
|----------|--|
| 33174497 | healthcare is particularly vulnerable, given the need for reliable and continuous power supplies -- that also applies to research labs on campus, though, especially those with refrigeration needs and those holding animals  |
| 33163448 | The south side our main campus is most vulnerable . . . I think.   |
| 33163309 | The healthcare facilities.   |
| 33163117 | Healthcare and main campus   |
| 33163034 | The whole campus is vulnerable however the sections of campus which remain untouched since origination remain the most vulnerable. Building codes change, moisture seeps in and creates "mold" and other very dangerous toxins that are not only bad for the population and environment but weaken the integrity of the structure. It is vital, if we want UK to sustain climate control then we must access and put our money into energy efficiency. Upgrading our renewable energy in the Healthcare and Academia arena will allow people to see us as not only cutting edge but responsible and feel a sense of pride to come to UK knowing they are coming to the best. |
| 33162953 | Floodplains are most vulnerable to increased flooding impacts. Older buildings may be more susceptible to extreme temperatures as recently evidenced.  |
| 33162859 | All of them are vulnerable.  |
| 33162776 | This question is worded incorrectly -- which part of the question do you answer? Most of campus is vulnerable to some hazards, but type and impact may vary from place to place (I.e. flood plain).  |
| 33158139 | HealthCare campus, south main campus   |
| 32669820 | The Answer is different for each hazard. For sinkhole collapse areas with enhanced concentration of water due to impermeable surfaces often become more vulnerable. To name a few (not limited just to these) the sinkholes from Woodland Glenn, WT Young Library, over to Robotics and the Gatton Business building.  |
| 32669613 | N/A  |
| 32669383 | The academic core of campus that houses the oldest infrastructure - buildings, utilities (storm sewer, sanitary sewer, etc) and also houses the least amount of greenspace.  |
| 32656361 | research buildings, science labs (anything with hazard materials)  |



|          |   |
|----------|---|
| 32645266 | UKHC - bldgs around Kroger Field  |
| 32644967 | that was not a yes or no question   |
| 32643962 | Orange Parking Lot area   |
| 32643651 | Research buildings and surrounding areas can be health hazards, especially during and after extreme environmental events when building systems, like the HVAC are affected. |
| 32643603 | Our remote campuses (i.e., research farms and facilities off main campus) are more vulnerable because they tend to have less resources to address emergencies and disasters |
| 32641067 | The medical center, residence halls, apartment housing, and classroom buildings.  |
| 32587706 | all the newer buildings with so much glass  |

**Q18. Are some buildings on campus more vulnerable to hazards than others? If “Yes,” please describe and include the uses of the vulnerable buildings, and who occupies them?**

|          |  |
|----------|--|
| 33198699 | Facilities Management, storage areas, buildings of research, medical related buildings. Any builds that would be considered important at such a time.  |
| 33198528 | Patterson Office Tower, McVey Hall, and Parking Structure #2 house critical IT services.   |
| 33196582 | those with a great deal of glass   |
| 33195737 | Old or poorly designed buildings are more at risk for flooding and roof damage from changing temps.  |
| 33190477 | The hospitals.   |
| 33189329 | Older buildings need to be addressed as much as possible for their vulnerabilities (i.e. loose brick, asbestos, aging infrastructure)  |
| 33189232 | Potentially. If a building doesn't have a basement there is no where truly safe to go during a tornado. Older buildings or newer buildings that may lack insulation could have freezing issues as we saw with this last artic cold spell and the amount of broken pipes. |
| 33189213 | I think that most of the issues with flooding on the main campus have been mitigated, but there used to be basements that were prone to flooding. I can't speak for extension offices or other off-campus areas  |
| 33189175 | Older buildings are. They have not been maintained or upgraded.  |
| 33188973 | Do not work on main campus.  |
| 33188961 | Yes, the old structures that have asbestos in them and staff are working there.  |
| 33188904 | n/a  |
| 33188903 | no   |

|          |  |
|----------|--|
| 33188901 | Older buildings that have not been renovated in a few years would be more at risk.   |
| 33188871 | Yes. Some buildings are extremely outdated and contain poor (or no) HVAC. For example, my office can be anywhere from 50-105 degrees in the winter depending on steam heat, and during the summer cannot be brought below 80 degrees due to a lack of cooling.   |
| 33188259 | unk  |
| 33188197 | Recent construction (Gatton Student Center and College, residence halls, the 90, etc.) are not as hardened as older campus buildings (Buell Armory, POT, etc). built in the last century.  |
| 33187949 | No   |
| 33187942 | Any unlocked door is an vulnerable spot  |
| 33187827 | Yes! Older building on campus are, in general, poorly maintained and seldom upgraded. Windows that don't open, leaks, inefficient heating and cooling system, extremely poor air quality, all contribute to environmental concerns for employees, reduced productivity, as well as issues with the integrity of resources (furniture, tech) and physical records (paper subjected to unfavorable conditions is more likely to mold/mildew and degrade over time).  |
| 33187820 | older buildings like Pence Hall, M.I. King   |
| 33187811 | The older buildings where there is no ventilation and I think there is still asbestos. I know there is radon because they installed a mitigation system years after I started working there. Air quality in the older buildings is unacceptable. I don't know who occupies all of them, but please look into how safe the buildings are by age. I'm assigned to the quad, and I don't think anyone should be working inside my building 40 hours a week. Also, they don't have to comply with the ADA, so people with mobility issues and certain other disabilities are particularly harmed by having to be in these buildings. |
| 33187784 | Older buildings with HVAC issues or potential asbestos.  |
| 33187705 | Not sure about this unless they are older buildings that are more susceptible to damage depending on age and deferred maintenance.   |
| 33187587 | Many of the older buildings need to be upgraded.   |

|          |   |
|----------|---|
| 33184517 | yes, ones with refrigeration and electronics that require continuous power. Also, if all power goes out, pipes freeze and burst in winter weather events.   |
| 33181343 | Peterson service building . Major gas main on side of building next to road with no bollards . If a vehicle had an accident or lost control the explosion would be devastating .  |
| 33181335 | no  |
| 33181328 | All Hospital & related buildings. Research buildings as well  |
| 33181327 | Not sure.   |
| 33181006 | Humidity, mold, creatures, etc might be living in basements, abandoned rooms, storage rooms, etc  |
| 33174620 | Garrigus is likely immune to most climate disruptions.. but inside heating/cooling and air quality are a concern.   |
| 33174538 | Old buildings with poor HVAC are hazardous to employees who work there  |
| 33174497 | Young Library, POT, Whitehall, and others with frequently used basements  |
| 33163448 | Obviously yes! Agriculture Science Center North . . . It's used for many research and administrative purposes . . .   |
| 33163318 | Yes. The older buildings where staff members are forced to work are neglected, which leads to roofs that leak for more than a decade.   |
| 33163309 | If a severe storm occurs the healthcare facilities and patients, healthcare teams could be the most vulnerable. Having a backup in case a building is damaged would help.   |
| 33163235 | Research buildings.   |
| 33163117 | Classroom buildings and any unsecured buildings   |
| 33163034 | I believe I addressed this in the above question. However, I do understand a budget is a budget. In my opinion, Anywhere UK is housing the sick and the young and the future there is no distinction. It all comes down to determining what spaces are creating more healthcare problems just simply by being in that space and my belief is that there are many around UK. In the Hospitals, In these older Buildings and possibly in these older dorms. And from there bringing forth a plan. |

|          |   |
|----------|---|
| 33162859 | All of them.  |
| 33162801 | The WP Garrigus building - Animal and Food Sciences Department.   |
| 33162776 | New private dorms are susceptible to fire as they are primarily wood structure. Sanitary or storm systems can flood if not properly maintained.   |
| 33162754 | The older buildings are more vulnerable, but we need to be sure and conduct regular maintenance on all buildings in order to keep them operating properly and extend their life expectancy  |
| 33162702 | presumably yes, especially older buildings, although I'm not overly familiar with the campus outside of my work location and college to some extent   |
| 33158139 | UK HealthCare buildings   |
| 32669995 | Yes, some buildings practice different disciplines that comes with their specific hazards.  |
| 32669820 | Again limiting to just a few types of disasters, building with less substantial foundation are more susceptible to sinkhole damage. Newer building may be able to bridge over a collapse temporarily. Older building of true brick construction are more vulnerable to earthquake activity (more important in western Kentucky) |
| 32669613 | N/A   |
| 32669509 | Hospitals. Reliant upon electricity, and loss of electricity can have a major impact even with supplemental electricity from generators.  |
| 32669383 | Older buildings would potentially be more vulnerable than others. The academic core of campus represents the highest concentration of these buildings. Greg Page and Shawneetown are also more vulnerable due to their poor construction and/or age.  |
| 32661349 | No  |
| 32645266 | UKHC - patient care - hospital staff & faculty, patients and their families   |
| 32644967 | if we're talking about karst, then the library is in danger.  |

|          |   |
|----------|---|
| 32643835 | Yes, those buildings that house labs with various hazards, those buildings that house cultural heritage materials, those buildings that were built earlier in the 20th century and have poor or inadequate environmental controls, insulation, electrical and plumbing systems, and/or windows. |
| 32643743 | Chemistry for the chemical storage Gluck is built on a sinkhole apparently as is the Library, unsure of other buildings   |
| 32643651 | Research buildings. See previous.   |
| 32641067 | The Greg Page apartment complex occupied by graduate students. Students in off-campus housing owned by slumlords. And tall buildings such as POT that could collapse onto smaller buildings.  |
| 32587706 | yes, those sitting on sink holes  |

**Q19. Are there any other issues regarding the reduction of risk and loss associated with hazards or disasters on the campus that you think are important?**

|          |  |
|----------|--|
| 33198699 | Being able to smoothly move all in the event something happens, no matter where or whom (capabilities) it may be.  |
| 33195737 | Design of buildings or landscaping around existing buildings should be made with basement flooding and iced walk ways in mind. Scouting for potential sinkholes before foundations, parking lots, or walkways are built wouldn't hurt either.                                  |
| 33189329 | It would be nice to update some of the sidewalks and related areas where pedestrian traffic is at. Maybe more lighting/flashing lights for crossings.  |
| 33189232 | making sure basic maintenance is done. We were told no worries about Ice the other day and the first step i took outside of the rose street parking structure was frozen as well as the second step. If we say all areas are salted, make sure they are before people arrive.  |
| 33189213 | During that last tornado warning, no one seemed to know where to go nor what to do. While no one relishes a drill, it might be a good idea to at least ask a question as part of a drill, such as: If a tornado was one minute away, where would you go for shelter right now? |
| 33189175 | no   |
| 33188973 | Administration should not be hesitant to make decisions regarding cancellations and closings.  |
| 33188904 | n/a  |
| 33188903 | none   |
| 33188901 | Insure that all staff and students are registered with UK Alerts to keep them informed of any type of disaster or hazard.  |



|          |   |
|----------|---|
| 33188259 | unk   |
| 33188197 | The university needs to recognize that as a massive enterprise, in times of emergency students, faculty, staff, and their families may turn to it for shelter, food, or supplies in a disaster. Stockpiling of supplies and preparing contingency plans for this are important.   |
| 33187949 | No  |
| 33187923 | Education is key. Not cutting corners. Hhh  |
| 33187827 | The biggest thing the University should focus on in regards to hazards and disasters on and around campus is the people involved. Any policies or plans should focus, first and foremost, on the safety and well-being of students, visitors, staff, and faculty.   |
| 33187811 | Some of the walkways are dangerous during heavy rain. They flood. I have to wear duck boots to get to work. This is through central campus.   |
| 33184517 | Incorporating climate change hazard and risk management into actual public facing messaging, as well  |
| 33181372 | better security of our substations and the equipment housed in those substations.   |
| 33181335 | no  |
| 33181328 | N/A   |
| 33181327 | Not sure.   |
| 33181006 | Pedestrian traffic with electric scooters, skateboards, bicycles, and no rules or sights that keep it safe to prevent accidents.  |
| 33174538 | Library and special collections and document based research could be more vulnerable to flooding  |
| 33163448 | Functional power generators are very important . . .  |
| 33163309 | I think it is important to have a plan on how other facilities on campus could be converted into usable healthcare space on short notice. We don't need to construct a 'tent city' if we can convert offices/hallways, etc, into usable space. Look first at those buildings that are immediately adjacent to the old and new hospital. |

|          |  |
|----------|--|
| 33163235 | Not familiar enough with the Plan or current activities for reducing risk. As a pedestrian and a bicycle rider, I experience risk every day on campus. Intersections that need to be redesigned, like S. Limestone and Hospital Drive near UK ER, where the design forces drivers to straddle the crosswalk forcing pedestrians to precariously go around them. Nicholasville road is a hazard for pedestrians due to narrow sidewalks that are inches away from the street, with curbs incapable of preventing a car from swerving onto the sidewalk because the road is paved almost level with the curbs. |
| 33163189 | consider our visitors, particularly those who visit our medical campus. How can we ensure continuity of care when either they or us are faced with a disaster that disrupts care?  |
| 33163117 | Hire more campus police officers and have them be visible  |
| 33163034 | i believe I am one question ahead.   |
| 33162859 | I would have a risk assessment completed by outside experts.   |
| 33162776 | Deeper penetration of training into the units. We know the police department/EOC has plans, but how deep into the organization is this information shared?   |
| 33162702 | I've seen significantly more accidents in the orange lot near Kroger field lately as it is hard to see around parked vehicles when stopped at stop signs and people pull out in front of others and there aren't sidewalks or walking space other than down the main road through the lot so I've seen more than a few people and scooters almost get hit by vehicles  |
| 32669995 | Unsure   |
| 32669820 | Risk reduction is always important. examining the connections of risks has been understudied. the link between storm water retention and induced sinkhole collapse needs to be more thoroughly considered in the planning phase.   |
| 32669613 | It would be a lot less dangerous for the students if there were overhead walkways over the busiest streets.  |
| 32669383 | Flooding/inundation of infrastructure with increase in rainfall amounts being handled by old/aging stormwater infrastructure. Sanitary sewer issues resulting from aging infrastructure/poorly maintained lines.   |
| 32661349 | No   |

|          |  |
|----------|--|
| 32643835 | The university is weak in records and information management. A strong program of managing physical and electronic records can help reduce risk and loss associated with hazards or disasters. |
| 32641067 | The fiscal challenge. There are lots of old and tired buildings on campus that need work.  |
| 32587706 | above ground utilities. buildings that have a lot of glass   |

DRAFT

**Q20. Are there any other issues regarding the reduction of climate change impacts on the campus that you think are important?**

|          |  |
|----------|--|
| 33198699 | Anything that would impact the safety of the people that work for UK, anywhere.  |
| 33195737 | Student involvement via project groups would be beneficial to those in and outside of architecture, landscaping, and environmental degrees.  |
| 33189329 | no   |
| 33189232 | no   |
| 33189175 | no   |
| 33188904 | n/a  |
| 33188903 | no   |
| 33188259 | unk  |
| 33187949 | No   |
| 33187923 | Education. There is not much for those that inhabit spaces, construction workers and why Good construction important, Do not just make do, just because.   |
| 33187902 | I'd love to see composting sites scattered around campus and in the dorms. There is a ton of food waste (and just things like fruit peels and such) that goes into the garbage cans around campus. Of course, people don't do a great job with using the recycling bins properly, but maybe with a lot of education composting could work. |
| 33187811 | My building doesn't have true air conditioning. The chiller system cools the air a little, but on very hot days it can be difficult. This will get worse.  |
| 33184517 | Clear messaging that it is a major threat and consider more ways to offset impacts of development on campus.   |

|          |  |
|----------|--|
| 33181343 | No . The climate change agenda( formally global warming )is a joke .   |
| 33181335 | no   |
| 33181328 | N/A  |
| 33181327 | Not sure   |
| 33181006 | Energy dependence!   |
| 33174620 | I would love to see UK become a Net Zero carbon consumer and reduce/ redirect energy consumption to renewable.   |
| 33174538 | Need more robust move to alternative/green energy systems to light and power the campus  |
| 33163448 | There aren't any that I can think of!  |
| 33163309 | Open and honest conversations, forums, to discuss the science of climate change in order to remove the political sway/narrative.   |
| 33163235 | Too many cheaply built buildings built too close together. How are they expected to hold up against environmental hazards when they are having so many problems under normal conditions.   |
| 33163189 | time is of the essence! what small changes can we make NOW that will have a positive impact? Start with what is do-able now and build upon that.   |
| 33163117 | Plant more trees and landscaping.  |
| 33163034 | It's vital to start planting trees, seedlings, small gardening spaces possibly for students or small families that live on campus. Planning and creating agriculture environments which create and bring forth the climate we are all are generationally fighting against speaks volumes not only to UK, Kentucky, America but to the World that we are a community taking action. We are a Proactive University that is thriving. |
| 33162859 | We should do whatever we can to focus on the activities and systems that will have the greatest impact on reducing climate change. Prevention, mitigation and resiliency.  |

|          |  |
|----------|--|
| 33162776 | How can we as a Flagship University assist with those in the state that are suffering more from the impacts of climate change? I.e. Appalachia regions; flooding, water system deficiencies. They see far more problems there than we do in the 800 acres in central Lexington.  |
| 32669995 | Unsure   |
| 32669820 | Solar panels should be installed on all parking garages and charging stations made available to charge EV's. The excess power generated can be directed to the campus needs. this would serve as an encouragement for people to make a change in habits, be and educational opportunity, and be the start of an infrastructure change on campus.   |
| 32669613 | Having a healthy recycling program and consciously looking for ways to reduce waste.   |
| 32669509 | Seeking to reduce carbon footprint of university activities.   |
| 32661349 | No   |
| 32658288 | We don't know whether the future may hold more or less rainfall, flooding, snow/icing, drought, etc., whether because of (anthropogenic) climate change or otherwise. Good planning and designs makes allowance for all of these possibilities.  |
| 32645266 | LEED - certified would be huge step in right direction. Solar panels & ways to bolster the power grid & cybersecurity would be reassuring  |
| 32643962 | We should be able to have an assessment done in the area that I work/supervise to give us practical ideas on how we can reduce our human footprint that are actionable. I can get someone to assess how our computer workstations/desk are ergonomically correct but I don't know how to better contribute on a more sustainable campus in actionable ways within our system. If I wanted to run the greenest office on campus, what does that look like and how can I get my team to be recognized for good actions to make our community more climate friendly which also ties in in many ways to our university strategic plan? |

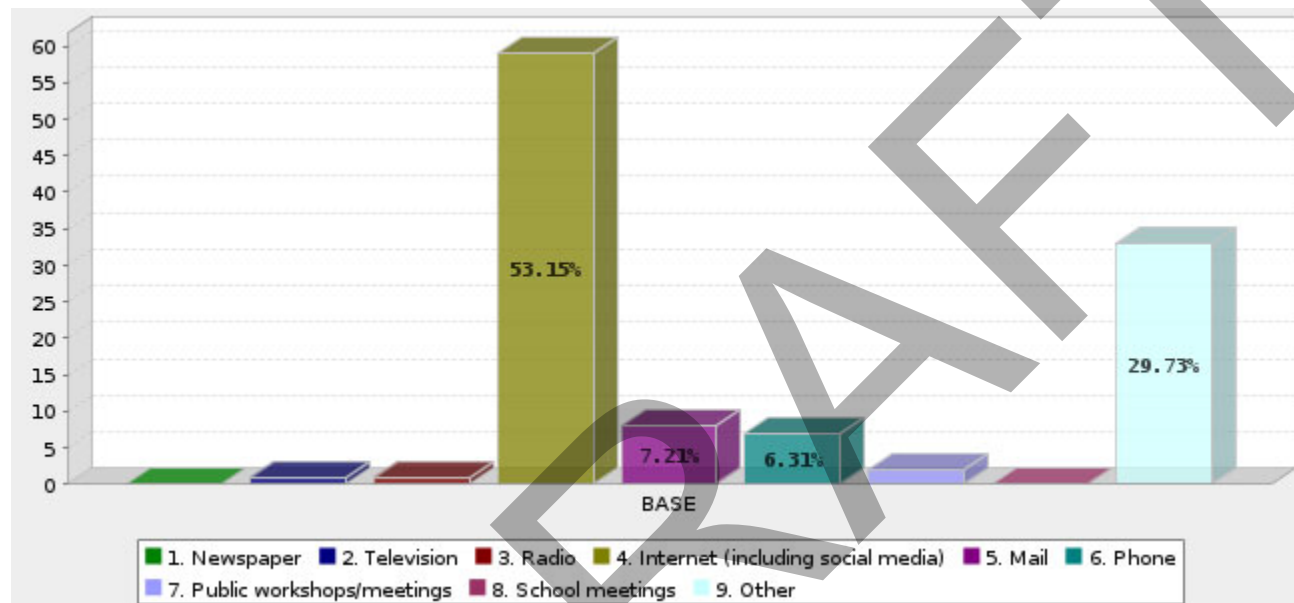
**Q21. Are you aware of any UK facilities not on a campus that are vulnerable to hazards or climate change? If yes, please describe.**

|          |  |
|----------|--|
| 33198699 | Those that may be on or near fault zones. Sink holes, and the like. Sudden movements may be a problem.   |
| 33189329 | no   |
| 33189232 | no   |
| 33189175 | no   |
| 33188904 | n/a  |
| 33188903 | no   |
| 33188259 | unk  |
| 33187949 | No   |
| 33187923 | Yes. Anything could be at any time for any reason.   |
| 33187884 | Currently, the temporary structures at the UK-REC at Princeton, KY are particularly vulnerable to hazards. These are temporary buildings with no shelter to go to in the event of severe weather. This is potentially a very dangerous situation. In the event of severe weather (i.e. tornadoes) during work hours, approximately 70 UK employees all housed in temporary trailers would be extremely vulnerable. |
| 33187705 | All off-campus sites are particularly vulnerable as we do not have the infrastructure that Lexington has.  |
| 33187543 | Buildings at the Coldstream campus.  |
| 33184517 | yes, robinson center and forest, extension offices, uk farms   |
| 33181335 | no   |
| 33181328 | N/A  |



|          |   |
|----------|---|
| 33181327 | Not sure.   |
| 33174497 | all the ag and extension facilities (e.g., the facility destroyed during the 2021 tornadoes)  |
| 33163448 | I don't think so!   |
| 33163309 | Yes, we lost a new facility to extreme weather events in December of 2021. Minor changes in temperature can affect extension offices, forests, streams, etc., where students learn on-site. |
| 33163265 | All Extension Offices   |
| 33163117 | I'm sure all outer properties are vulnerable.   |
| 33163034 | Hazard KY, This area is wrought with vulnerabilites due to its population, topographical issues and where it sits meterologically.  |
| 33162837 | All the extension offices. They should all have storm/tornado cellars.  |
| 33158139 | UK Research & Education Center - Princeton, KY UK Robinson Forest & RCARS - Eastern KY  |
| 32669995 | No  |
| 32669613 | No  |
| 32661349 | No  |
| 32641067 | The extension offices in all 120 counties and the farms spread across the state.  |
| 32587706 | our outlier facilities in places like eastern and western kentucky, along with those in the forest areas prone to fires   |

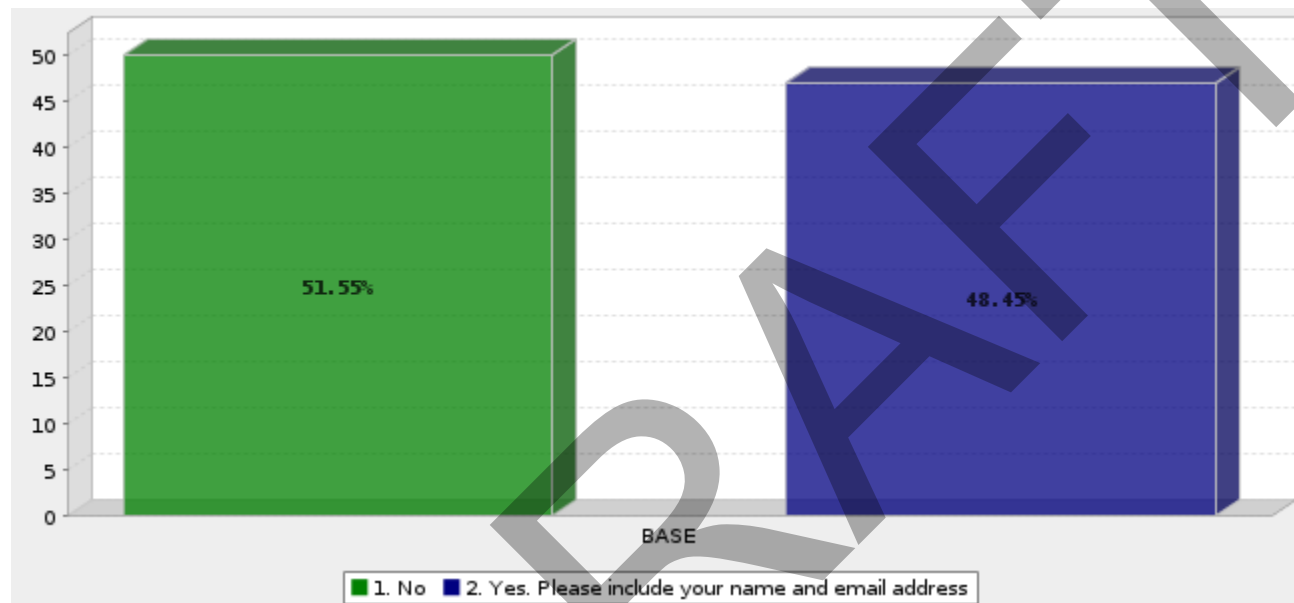
**Q22. What is the most effective way for you to receive information about initiatives to make the University more resistant to hazards?**



|    | Answer                            | Count | Percent |
|----|-----------------------------------|-------|---------|
| 1. | Newspaper                         | 0     | 0.00%   |
| 2. | Television                        | 1     | 0.90%   |
| 3. | Radio                             | 1     | 0.90%   |
| 4. | Internet (including social media) | 59    | 53.15%  |
| 5. | Mail                              | 8     | 7.21%   |
| 6. | Phone                             | 7     | 6.31%   |

|  |                           |     |        |
|--|---------------------------|-----|--------|
| 7.   | Public workshops/meetings | 2   | 1.80%  |
| 8.   | School meetings           | 0   | 0.00%  |
| 9.   | Other                     | 33  | 29.73% |
|  | Total                     | 111 | 100%   |
| Mean : <b>5.712</b> Confidence Interval @ 95% : <b>[5.292 - 6.131]</b> Standard Deviation : <b>2.254</b> Standard Error : <b>0.214</b> |                           |     |        |

**Q23. Are you interested in helping the University reduce the impact of hazards and climate change?**



|                     | Answer   | Count  | Percent                           |
|---------------------|--|--|-----------------------------------|
|                     | 1. No  | 50   | 51.55%                            |
|                     | 2. Yes. Please include your name and email address | 47   | 48.45%                            |
|                     | Total  | 97   | 100%                              |
| Mean : <b>1.485</b> |  | Confidence Interval @ 95% : <b>[1.385 - 1.585]</b> | Standard Deviation : <b>0.502</b> |
|                     |  | Standard Error : <b>0.051</b>                      |                                   |

University of Kentucky  
2023 Hazard Mitigation Plan  
Acceptance and Adoption

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 completed its Hazard Mitigation Plan update and will continue to work toward the completion of future mitigation projects across the University. An approved plan will maintain the eligibility of the University for state and federal mitigation grants.

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

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

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Printed Name

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Title

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Signature

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Date