



# Scott County Multi-Jurisdictional Hazard Mitigation Plan Status Report

Scott County EMA Commission

August 25, 2022



# Timeline

- **Phase 1 (January 2022 – August 2022)**
  - Research hazards
  - Steering Committee, Planning Committee, and Kickoff meetings held
  - Hazard priorities selected and provided to participants for ranking
  - Goals review
- **Phase 2 (August 2022 – October 2022)**
  - Participants rank hazards
  - Participants evaluate mitigation actions
- **Phase 3 (October 2022- December 2022)**
  - Finalize draft
  - Formal public review of planning document begins
- **Phase 4 (December 2022 – June 2023)**
  - State and FEMA review and approval
  - Participants adopt plan

# Hazard Rankings—Unincorporated Scott County

## 2017 Ranked Hazards

Flash Flood  
 River Flood  
 Thunderstorm, Lightning, Hail  
 Windstorm  
 Severe Winter Storm  
 Tornado  
 Grass and Wildland Fires  
 Earthquake  
 Drought  
 Expansive Soils  
 Extreme Heat  
 Dams  
 Landslide/Sinkhole  
 Levee Failure

## 2023 Ranked Hazards

Rank High, Medium, or Low

low Dam Failure  
 medium Drought  
 medium Earthquake  
 low Expansive Soils  
 medium Extreme Heat  
 high Flash Flood  
 medium Grass or Wildland Fire  
 low Levee Failure  
 medium River Flood  
 high Severe Winter Storm  
 low Sinkholes, Land Subsidence, Landslides  
 medium Thunderstorm, Hailstorm, and Lightning  
 low Tornado  
 medium Windstorm/Derecho  
 medium Cyber Terrorism  
 high Human Disease Pandemic  
 low Public/Civil Disorder/Unrest  
 medium Railway Transportation Incidents



NATURALLY OCCURRING EVENTS



EVENT	PROBABILITY	SEVERITY = (MAGNITUDE - MITIGATION)						RISK
		HUMAN IMPACT	PROPERTY IMPACT	BUSINESS IMPACT	PREPARED-NESS	INTERNAL RESPONSE	EXTERNAL RESPONSE	
	<i>Likelihood this will occur</i>	<i>Possibility of death or injury</i>	<i>Physical losses and damages</i>	<i>Interruption of services</i>	<i>Preplanning</i>	<i>Time, effectiveness, resources</i>	<i>Community/ Mutual Aid staff and supplies</i>	<i>Relative threat*</i>
SCORE	0 = N/A 1 = Low 2 = Moderate 3 = High	0 = N/A 1 = Low 2 = Moderate 3 = High	0 = N/A 1 = Low 2 = Moderate 3 = High	0 = N/A 1 = Low 2 = Moderate 3 = High	0 = N/A 1 = High 2 = Moderate 3 = Low or none	0 = N/A 1 = High 2 = Moderate 3 = Low or none	0 = N/A 1 = High 2 = Moderate 3 = Low or none	0 - 100%
Tornado	1	3	3	3	2	2	2	28%
Severe Thunderstorm	3	1	2	2	1	1	1	44%
Gradient Wind	3	1	2	2	1	1	1	44%
Snow Fall	3	1	1	2	1	2	2	50%
Blizzard	2	2	1	2	1	2	2	37%
Ice Storm	2	2	2	2	2	2	2	44%
Earthquake	1	3	3	3	3	3	3	33%
Temperature Extremes - Heat	3	1	1	1	2	1	1	39%
Temperature Extremes - Cold	3	2	1	2	2	1	1	50%
Drought	2	1	3	2	2	1	1	37%
River Flood	3	1	2	1	1	1	1	39%
Flash Flood	3	2	3	2	2	1	1	61%
Wild Fire	2	1	3	1	3	2	1	41%
Landslide/Sinkhole	1	1	1	1	3	3	3	22%
Levee Inundation	1	1	3	3	2	1	1	20%
Epidemic-Human	2	3	1	3	2	2	2	48%
Epidemic-Animal	2	1	2	1	1	1	1	26%
Space Weather	1	1	1	2	3	3	3	24%

# Community Profiles

- **Overview of Jurisdiction**
- **Geography and Land Use and Note Future Trends if Applicable**
- **Government Structure/Departments/Boards & Commissions**
- **Critical Facilities are Updated and Used to Determine Potential Risk (Note list is confidential and used by EMA for response and recovery)**
- **Hazard Prioritized by Each Jurisdiction (Low, Moderate, High)**

# Mitigation Strategy – Goals

- 1. Protect human life and public health from the effects of hazards.**
- 2. Minimize vulnerability of property within Scott County from the effects of hazards.**
- 3. Minimize damage to critical facilities, infrastructure, and other community assets from the effects of hazards.**
- 4. Improve public communication, education, and awareness of hazards and their risks in Scott County.**
- 5. Strengthen intergovernmental communication among jurisdictions within Scott County.**

# Mitigation Strategy – Objectives

- 1. Preventative Measure-PM:** administrative or regulatory actions or processes
- 2. Property Protection-PP:** protect buildings and structures from hazards
- 3. Public Education and Awareness-PE:** inform and educate citizens/officials
- 4. Natural Resource Protections-NRP:** preserve/restore natural system functions
- 5. Structural Projects-SP:** construct/maintain structural projects to reduce impacts
- 6. Emergency Services-ES:** protect people and property during and after a disaster event



# Mitigation Actions – Types of Measures

- Preventative Measures (PM) – planning/zoning, building codes, technical studies, inspection, enforcement, implementation, hazard analysis/risk assessment, security, capital improvement programs, open space preservation, storm water management , participation in NFIP
- Property Protection (PP) – protection measures include acquisition, elevation, relocation, and structural retrofits.
- Public Education and Awareness (PE) – outreach projects, real estate disclosure, hazard information centers, education programs, etc.
- Natural Resource Protections (NR) – sediment and erosion control, stream corridor protections and restoration, watershed management, forest and vegetation management, wetland restoration and preservation, etc.
- Structural Projects (SP) – dams, levees, floodwalls, seawalls, retaining walls, safe rooms, etc.
- Emergency Services (ES) – warning systems, monitoring systems, response and recovery planning, emergency response services, evacuations, protection of critical facilities, acquisition of equipment to facilitate delivery of services, training for responders in emergency situations, etc.

Mitigation Actions are Informed by Risk Assessment, Jurisdiction Capabilities, Mitigation Goals & Objectives, with Prioritization Based on Cost/Benefit

<b>Cost/Benefit</b>	<b>Priority</b>
High (cost)/Moderate (benefit)	Low
Low (cost)/Moderate (benefit), Moderate (cost)/Moderate (benefit) High (cost)/High (benefit)	Medium
Low (cost)/High (benefit) Moderate (cost)/High (benefit)	High

## Next Steps

- **Phase 4 (December 2022 – June 2023)**
- **Continue to Finalize Draft Based on FEMA Feedback**
- **Formal Public Review of Planning Document Begins**
- **State and FEMA Review and Approval**
- **Participants Adopt Plan**