Memorandum

To From	Peoria County Multi-Jurisdictional Multi-Hazard Mitigation Planning Committee (HMPC) Cindy Popplewell
Tel / Email	(303) 704-8939 / cindy.popplewell@wsp.com
Date	February 20, 2023
Subject	Minutes from Peoria County Multi-Jurisdictional Multi-Hazard Mitigation Plan Update – MEETING #2 HIRA

This memorandum presents the meeting minutes from the February 15, 2023, meeting for the *Peoria County Multi-Jurisdictional Multi-Hazard Mitigation Plan* Update. It provides a review of the benefits of hazard mitigation planning, current planning process and progress, hazard identification and risk assessment (HIRA), mitigation goals, and next steps.

Attendees

Last Name	Organization			
Abi-Akar	Reema	Tri-County Regional Planning Commission		
Braun	Andrew	Peoria County		
Bruner	Michael	Tri-County Regional Planning Commission		
Crider	Beth	Peoria Regional Office of Education		
Haines	Cody	Peoria Park District		
Leach	Tim	Greater Peoria Sanitary District		
Marks	Jason	Director of Emergency Management, Peoria County EMA		
McLaren	Amy	Peoria County		
O'Neal	Tony	Crisis Management Group, Ameren Illinois		
Orr	Roger	Street Superintendent, Village of Hanna City		
Urban	Kathi	Peoria County		
Weindel	Jack	Peoria County		



Benefits of Hazard Mitigation Planning

Cindy Popplewell of WSP presented information on the benefits of participating in the mitigation plan, including eligibility for federal hazard mitigation assistance. The powerpoint slide show that was used for informational purposes during the meeting is included as Attachment A.

Requirements of Hazard Mitigation Planning

WSP's approach to the Hazard Mitigation Planning process is structured around FEMA's Local Mitigation Planning Handbook (March 2013); FEMA's Local Mitigation Planning Policy Guide (April 2022); and the Community Rating System's (CRS) Floodplain Management Planning requirements (2017 and 2021 Addendum). See the reference table below. This approach will position Peoria County and participating jurisdictions to seek maximum credit under the CRS Program.

Steps highlighted in **red** have been completed and/or are in progress; steps highlighted in **green** were covered during the powerpoint presentation and are in progress. Steps <u>not highlighted</u> will be addressed at the next HMPC planning meeting.

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10-Step Mitigation Planning Process



FEMA Planning Elements	FEMA Local Mitigation Planning Handbook Tasks (44 CFR Part 201)	Community Rating System (CRS) Planning Steps (Activity 510)
Element F: Plan Adoption	Task 8: Review and Adopt the Plan	Step 9. Adopt the plan
Element D: Plan Maintenance Element E: Plan Update	Task 7: Keep the Plan Current	Step 10. Implement, evaluate, revise
	Task 9: Create a Safe and Resilient Community 44 CFR 201.6(c)(4)	
Element H: A	Additional State Requirements	

Planning for Public Involvement

A public meeting was held on February 1, 2023, to introduce the public to the planning process. A public survey has been prepared to obtain feedback from our public on priority hazards and mitigation actions. Link to the survey is provided below:





Risk Assessment and Capabilities Update

Review comments received during the HIRA discussion included:

- Levee failure would impact the Sanitary District and subsequently the communities of Peoria Heights, West Peoria, Bartonville, and the City of Peoria.
- Earthquake event in 2008 was noted for the County, all bridges were inspected following this event. This event will be added to previous occurrences for this hazard.
- Land Subsidence
 - Additional photos to be provided by Amy McLaren
 - Noted locations include near Airport; along I-29/Peoria Heights; and Kickapoo Road – natural springs along hillside
- Wildfire HMPC agreed this is a low planning priority hazard
- Active Shooter
 - There was an event in 1973 at St. Cecilia School. This event will be added to previous occurrences for this hazard.
 - Additional event noted for Dixon, IL in 2021 north of Peoria County in Lee County.
- Winter Storm events noted that overhead powerlines are a concern, as well as power substations, but including distribution infrastructure on mapping is a security concern.
- Terrorism in addition to a CBRNE attack, additional focus is on high-power rifle attack of power grid components.
- Critical Facilities Sanitary District and EMA to assist with GIS files for additional critical facilities – including water and wastewater treatment plants and vulnerable areas/ populations (mobile home parks, etc.).

Hazard	Geographic Location (Percentage of People)	Probability of Future (Frequency)	Magnitude/ Severity	Hazard Rating	Hazard Rating Variation for other jurisdictions
Earthquake	Low	Low	Low	Low	
Wildfire	Medium	Low	Low	Low	
Land Subsidence	Medium	Low	Low	Guarded	Low Chillicothe, Peoria Heights
Landslide	Low	Medium	Low	Guarded	Low Hanna City
Dam/Levee Failure	Low	Low	High	Elevated	Low Chillicothe, Hanna City
Drought	High	Low	Low	Elevated	
Terrorism Events	Low	Low	High	Elevated	
Active Shooter					
Hazardous Materials Incidents	Medium	High	Low	High	
Extreme Temperatures	High	Medium	Medium	High	
Flood	Medium	High	High	Severe	Low – <u>Hanna City</u> Guarded – Chillicothe, Peoria Heights
Severe Thunderstorms	High	High	Medium	Severe	
Tornado	High	Medium	High	Severe	
Severe Winter Storm	High	High	Medium	Severe	

A summary of planning priorities for each hazard is presented in the table below:



Goals

The goals of the 2018 State of Illinois Hazard Mitigation Plan, the 2018 Peoria County Hazard Mitigation Plan, and the 2019 Tri-County Hazard Mitigation Plan were reviewed. The following updated goals were agreed upon by the HMPC:

Goal 1: Reduce the vulnerability of current and future people, property, and environment of Peoria County from the effects of natural and man-made hazards.

- Strengthen protection of critical facilities and infrastructure to create a safer, more sustainable community.
- Build and support local capabilities to respond and recovery from natural and man-made hazard events.
- Increase the local floodplain management activities and participation in the NFIP.
- Protect community historic/cultural/environmental resources from identified natural and man-made hazards

Goal 2: Enhance public education programs to raise awareness of and preparedness for hazard events.

Goal 3: Improve and coordinate mitigation activities with surrounding communities, non-profits, and private businesses.

Goal 4 - Incorporate natural and man-made hazard mitigation into community plans, regulations and activities.

Next Steps

HMPC Members/Attendees

- Please take a moment to complete the Public Survey!
- Review draft documents once received from WSP.

<u>WSP</u>

- Finalize HIRA
- Submit Draft Chapters 1, 2, and 3 for HMPC review week of February 27th
- Prepare for upcoming HMPC Meeting #3 Mitigation Strategy

Upcoming Meetings

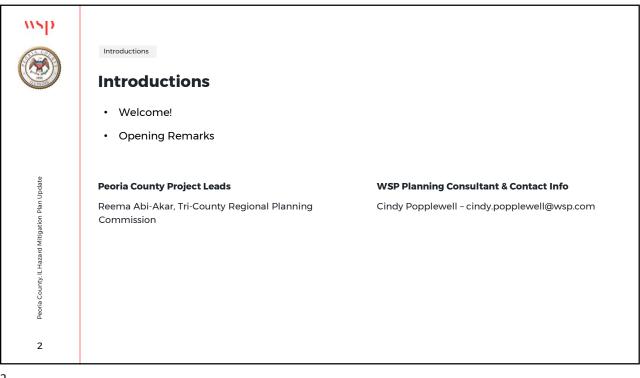
- March 15th, Wednesday
 - HMPC Meeting In Person 1:30pm Tri-County Regional Planning Commission Office/Conference Room 456 Fulton St., Suite 420, Peoria, IL 61602
 - Public Meeting Virtual/In-Person Combination 5:30pm Tri-County Regional Planning Commission Office/Conference Room 456 Fulton St., Suite 420, Peoria, IL 61602

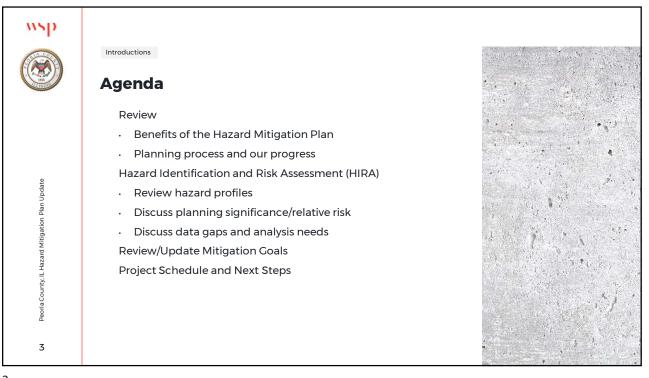


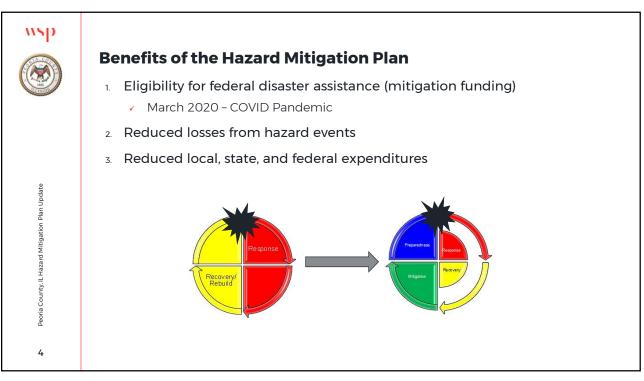
Attachment A – Powerpoint Presentation



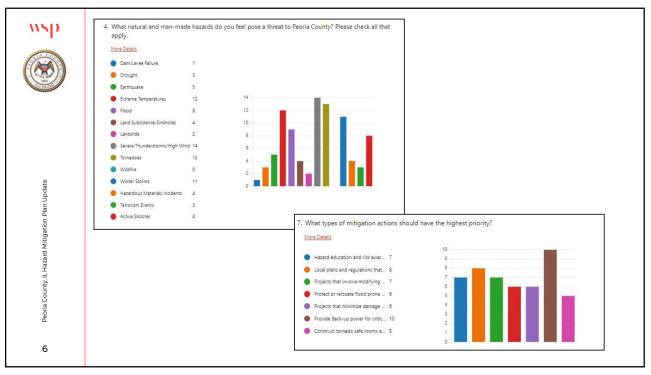








vsp **10 Step Planning Process** DMA Process CRS Process Phase I - Organize Resources §201.6(c)(1) Step 1. Organize to Prepare the Plan Peoria County Hazard Mitigation §201.6(b)(1) Step 2. Involve the Public **Plan Public Survey** §201.6(b)(2) & (3) Step 3. Coordinate Phase II - Risk Assessment §201.6(c)(2)(i) Step 4. Assess the Hazard Peoria County, IL Hazard Mitigation Plan Update §201.6(c)(2)(ii) & (iii) Step 5. Assess the Problem Phase III - Mitigation Strategy §201.6(c)(3)(i) Step 6. Set Goals §201.6(c)(3)(ii) Step 7. Review Possible Activities §201.6(c)(3)(iii) Step 8. Draft an Action Plan Phase IV - Plan Maintenance §201.6(c)(5) Step 9. Adopt the Plan §201.6(c)(4) Step 10. Implement, Evaluate, and Revise the Plan 5



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Peoria County, IL Hazard Mitigation Plan Update

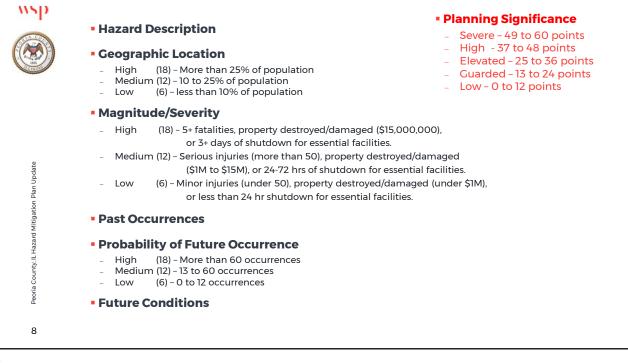
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Phase II: Risk Assessment

2018 Peoria County HMP	2018 Illinois HMP
Dam/Levee Failure	√
Drought	\checkmark
Earthquake	\checkmark
Extreme Temperatures	\checkmark
Flood	\checkmark
Land Subsidence/Sinkhole	\checkmark
Landslide	\checkmark
Severe Thunderstorm (hail, lightning, and wind)	\checkmark
Severe Winter Storms	\checkmark
Tornado	\checkmark
Wildfire	\checkmark
Hazardous Materials Incidents	
Terrorism Event	
Active Shooter	

Profile the Hazards:

- · Hazard Description
- Geographic Location
- Magnitude/Severity
- Past Occurrences
- · Probability of Future Occurrence
- Future Conditions



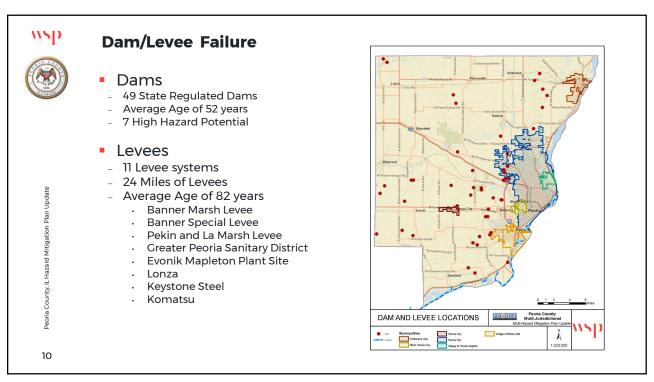
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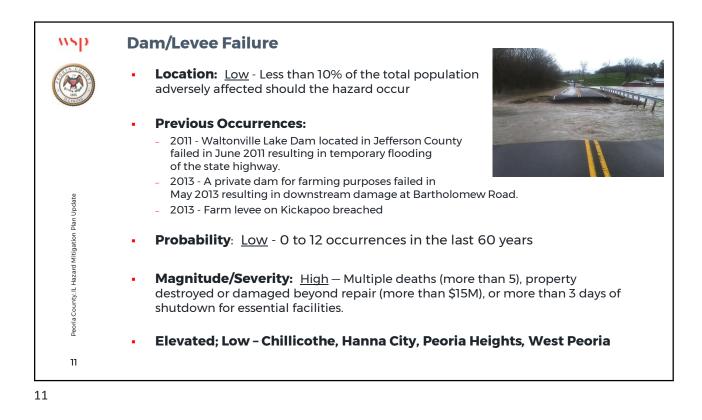
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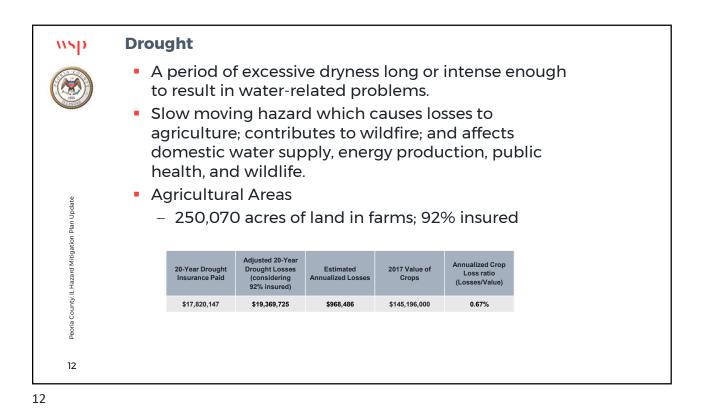
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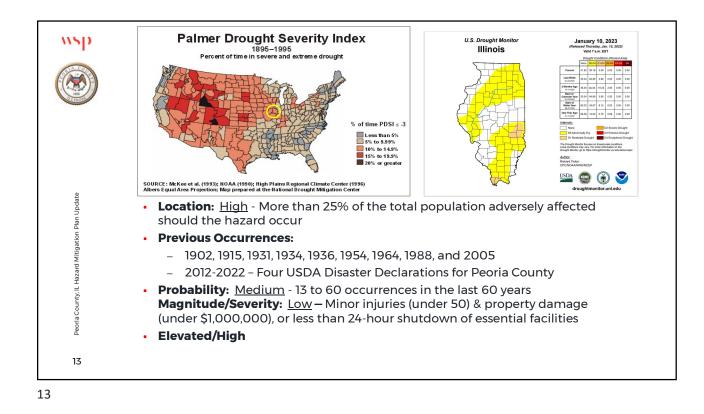
Hazard Summary

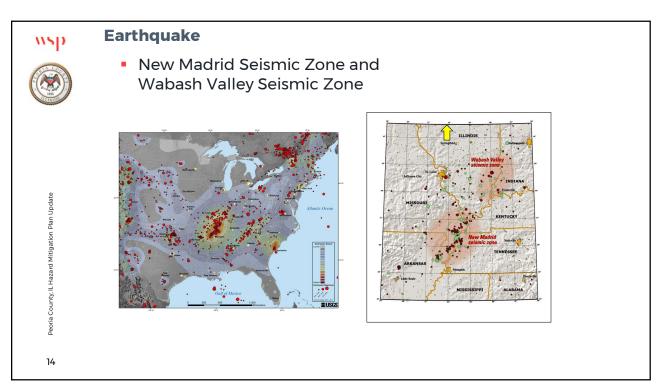
Hazard	Geographic Location (Percentage of People)	Probability of Future (Frequency)	Magnitude/ Severity	Hazard Rating	Hazard Rating variation for other jurisdictions
Earthquake	Low	Low	Low	Low	
Land Subsidence	Medium	Low	Low	Guarded	Low Chillicothe, Peoria Heights
Landslide	Low	Medium	Low	Guarded	Low Hanna City
Wildfire	Medium	Low	Low	Guarded	
Dam/Levee Failure	Low	Low	High	Elevated	Low Chillicothe, Hanna City, Peoria Heights, West Peoria
Drought	High	Low	Low	Elevated	
Terrorism Events	Low	Low	High	Elevated	
Active Shooter	Low	Low	High	Elevated	
Hazardous Materials Incidents	Medium	High	Low	High	
Extreme Temperatures	High	Medium	Medium	High	
Flood	Medium	High	High	Severe	Low – Hanna City Guarded - Chillicothe, Peoria Heights,
Severe Thunderstorms	High	High	Medium	Severe	
Tornado	High	Medium	High	Severe	
Severe Winter Storm	High	High	Medium	Severe	

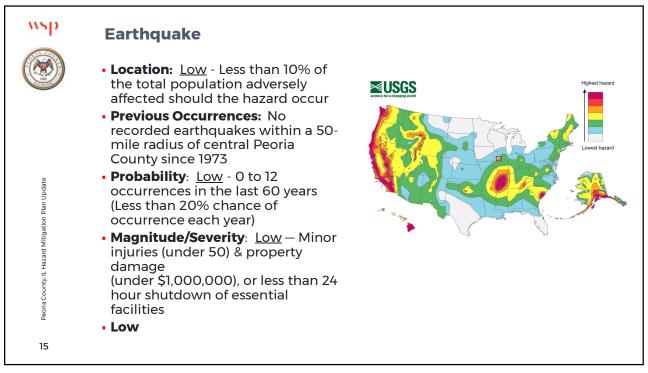


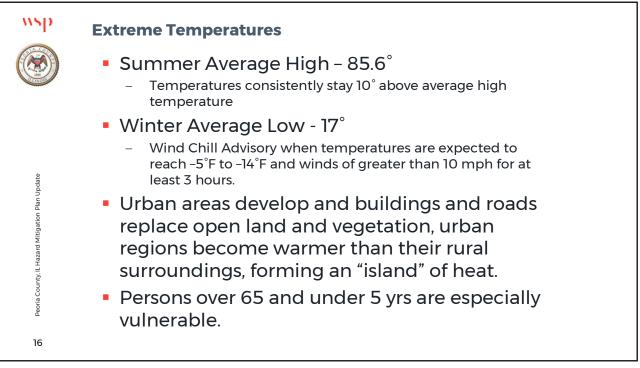


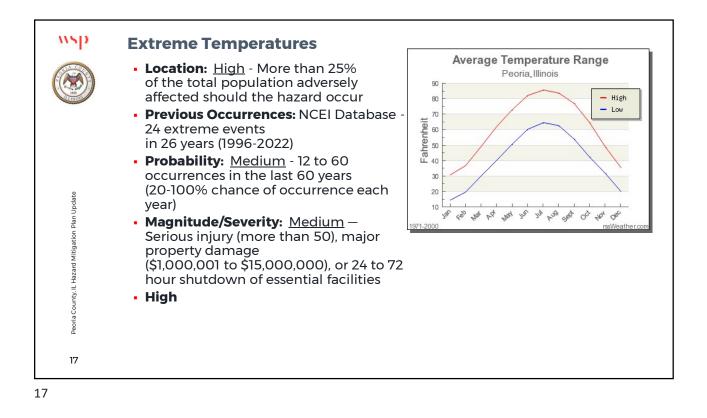




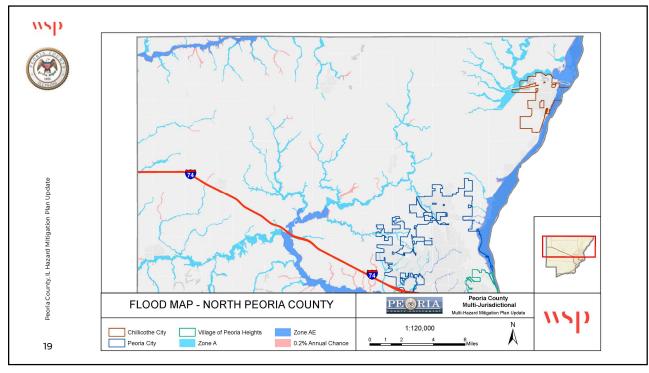


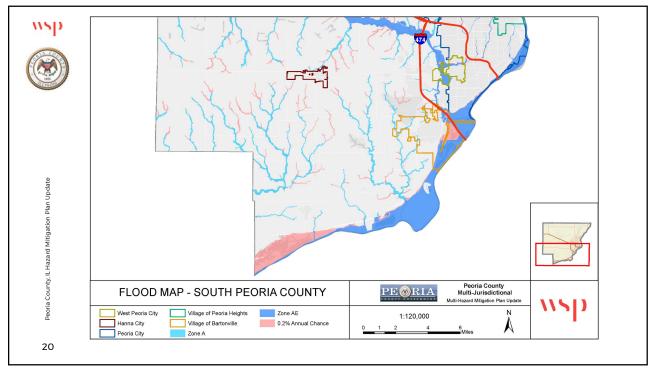


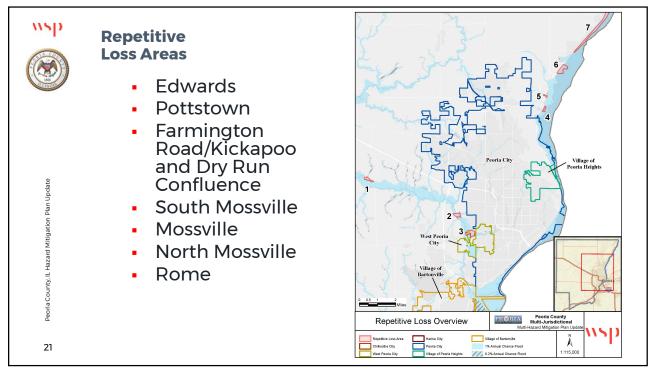




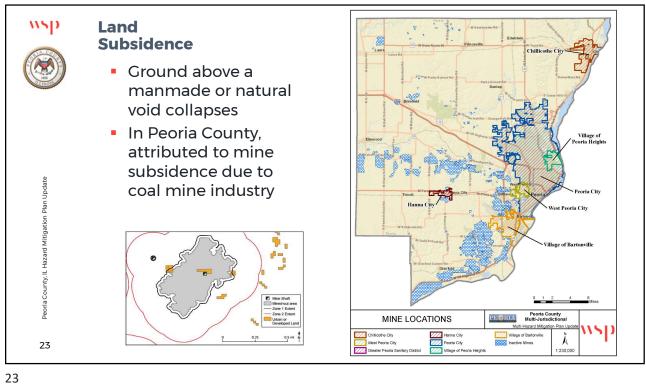
visp Flood Floods are among the most frequent and costly natural disaster in terms of human hardship and economic loss • Flash Flooding - localized floods of great volume and short duration Riverine - an event when a watercourse exceeds Peoria County, IL Hazard Mitigation Plan Update its "bank-full" capacity and is the most common type of flood event. Riverine floods result from precipitation over large areas. • Urban Stormwater - land loses its ability to absorb rainfall as it is converted from fields or woodlands to roads, buildings, and parking lots 18 18



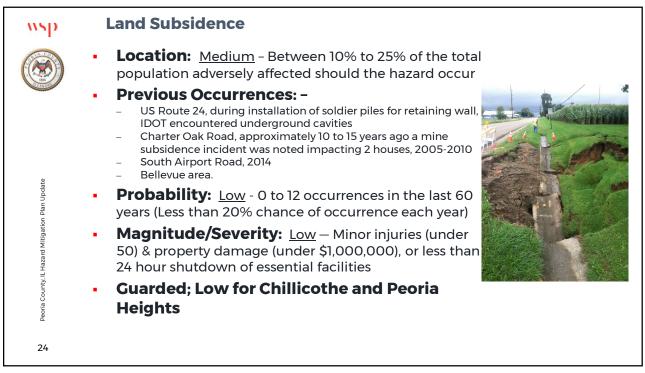


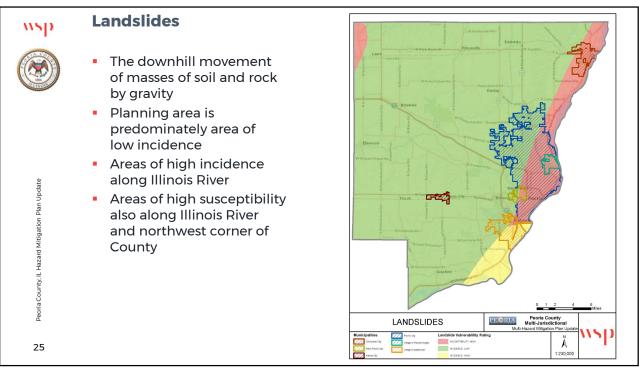


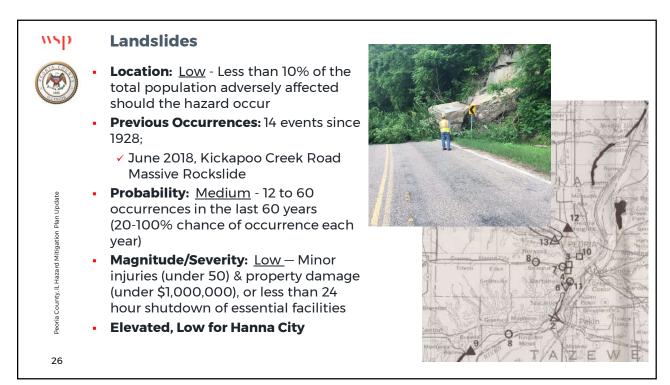
wsp	Flood
	 Location: <u>Medium</u> – Between 10% to 25% of the total population adversely affected should the hazard occur.
	 Previous Occurrences: - 31 flash flooding and 10 riverine flood events since 1996
Jodate	 Probability: <u>High</u> - More than 60 occurrences in the last 60 years (100% chance of occurrence each year)
eoria County, IL Hazard Mitigation Plan Update	 Magnitude/Severity: <u>High</u> – Multiple deaths (more than 5), property destroyed or damaged beyond repair (More than \$15,000,000), or more than 3 days of shutdown for essential facilities.
Peoria County	 Severe; Low - Hanna City; Guarded - Chillicothe, and Peoria Heights
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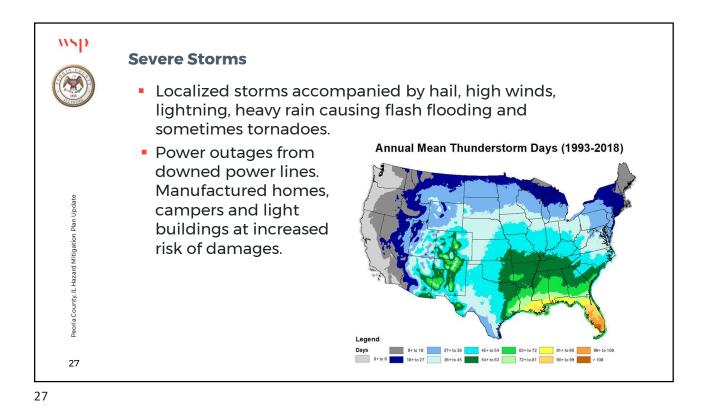


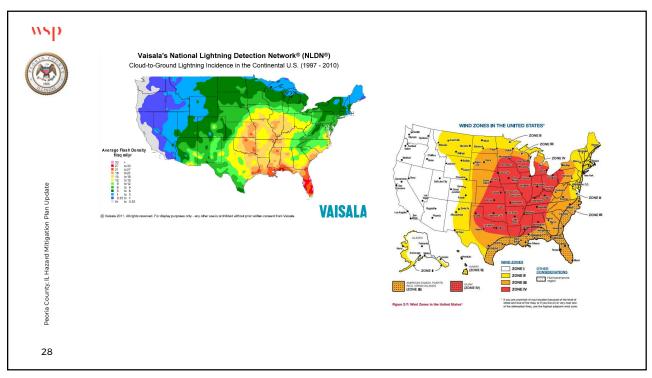
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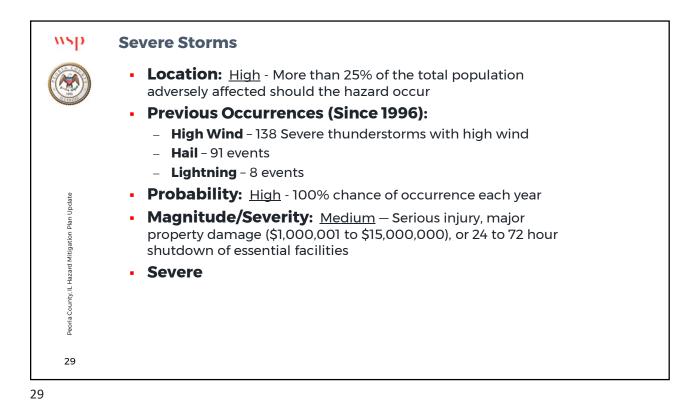


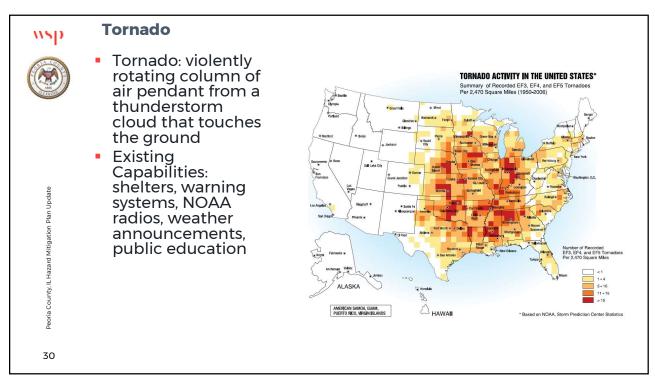


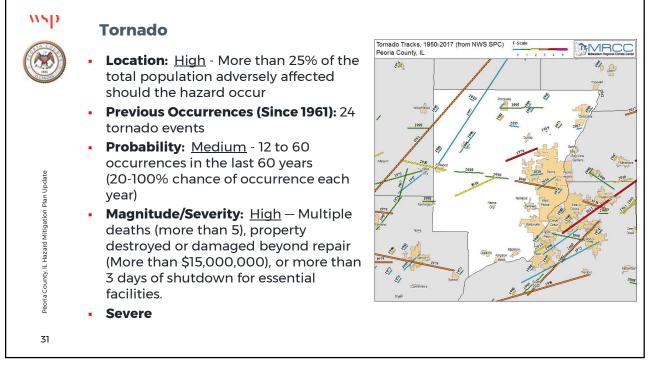


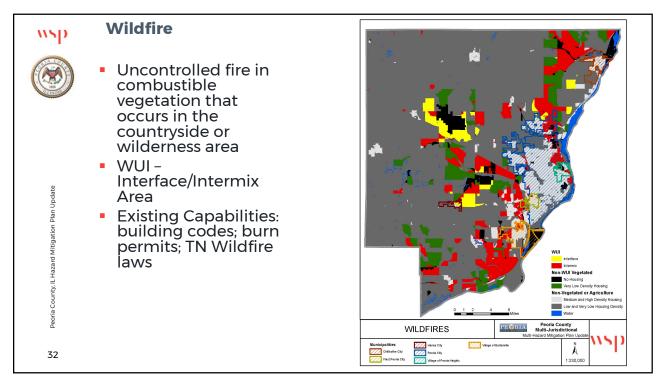


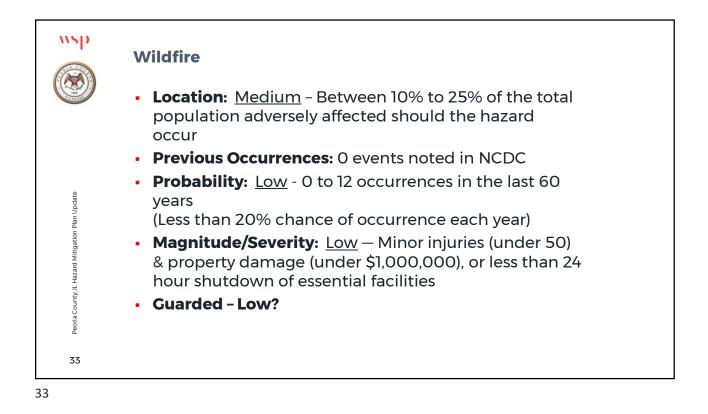




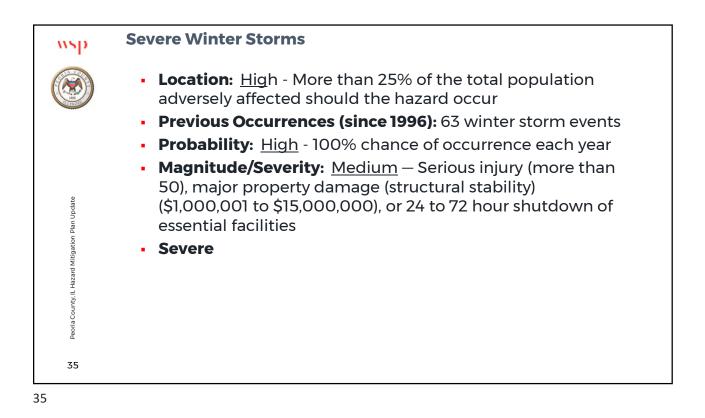




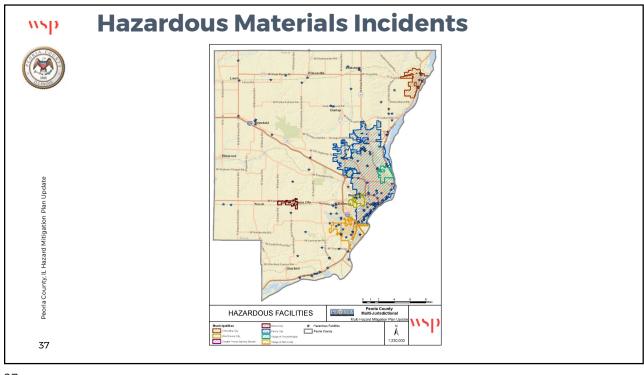


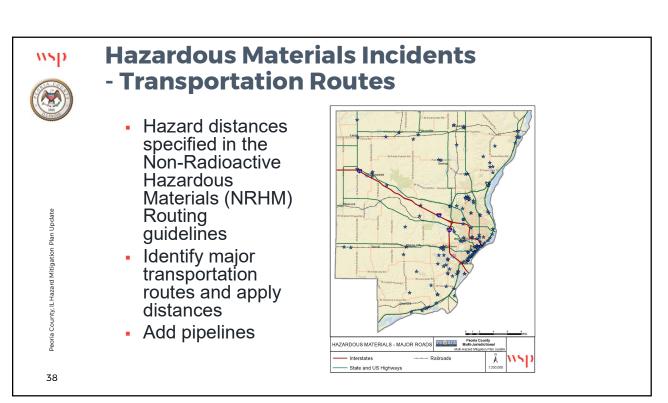


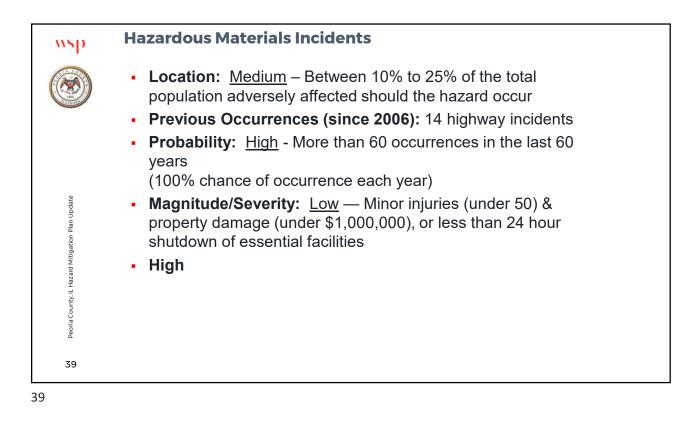
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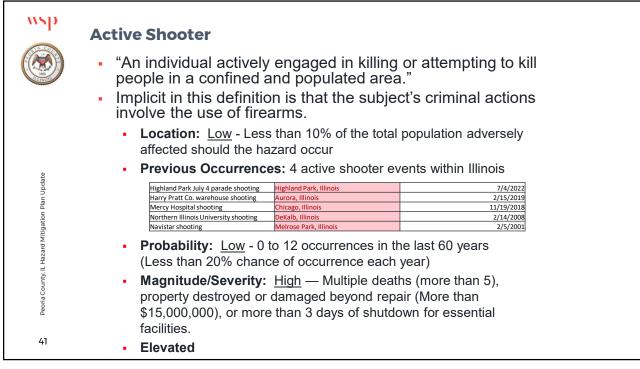
Hazardous Materials Incidents vsp - Fixed Facility - Transportation Routes Hazard distances specified in the Non-Radioactive Hazardous Materials (NRHM) **Routing guidelines** Identify major transportation routes and apply distances Peoria County, IL Hazard Mitigation Plan Update Hazard Distances (miles) Hazmat Category Explosives Flammable Gas 0.5 Toxic Gases 5 Flammable/Combustible Liquid 0.5 Flammable Solid, Spontaneously Combustible, 0.5 Dangerous when Wet 0.5 Oxidizer/Organic Peroxide Poisonous (not gas) 5 Corrosive Material 0.5 36





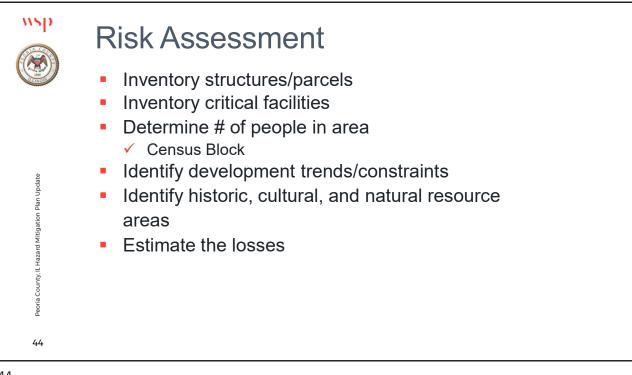


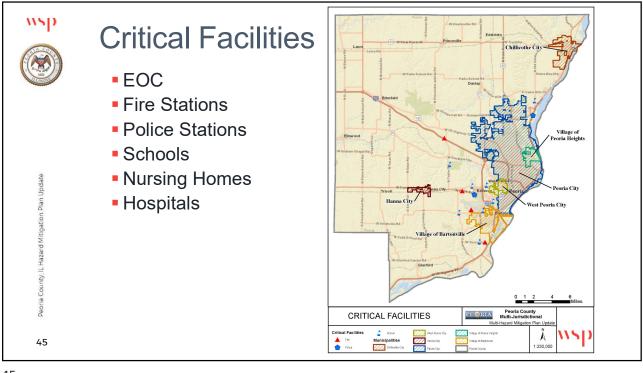
wsp Terrorism "The unlawful use of force and violence against persons or property to intimidate or coerce a government, the civilian population, or any segment thereof, in furtherance of political or social objectives" (28 C.F.R. Section 0.85). The threat of terrorism, both international and domestic, is ever present, and an attack is likely to occur when least expected. • Location: Low - Less than 10% of the total population adversely Deoria County, IL Hazard Mitigation Plan Update affected should the hazard occur **Previous Occurrences: None reported** Probability: Low - 0 to 12 occurrences in the last 60 years (Less than 20% chance of occurrence each year) Magnitude/Severity: High — Multiple deaths (more than 5), property destroyed or damaged beyond repair (More than \$15,000,000), or more than 3 days of shutdown for essential facilities. Elevated 40

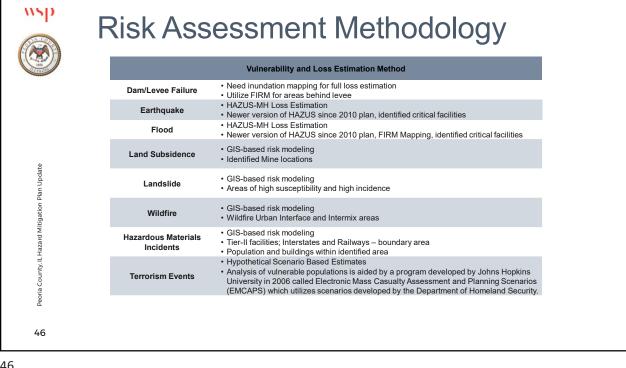


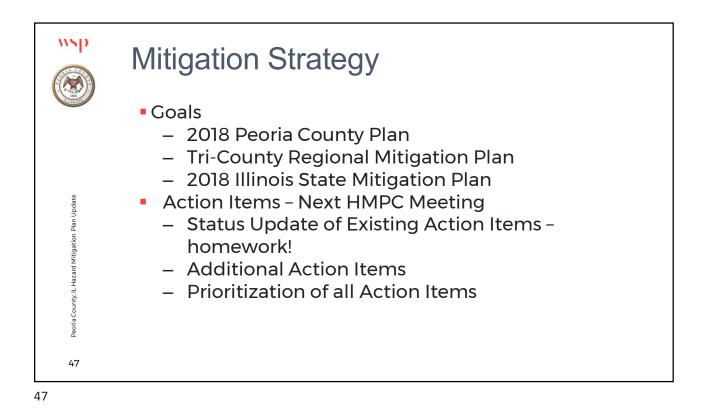
wsp	На	zard S	Sum	mai	у		
A DESTRUCTION OF THE PARTY OF T		Hazard	Geographic Location (Percentage of People)	Probability of Future (Frequency)	Magnitude/ Severity	Hazard Rating	Hazard Rating variation for other jurisdictions
		Earthquake	Low	Low	Low	Low	
		Land Subsidence	Medium	Low	Low	Guarded	Low Chillicothe, Peoria Heights
		Landslide	Low	Medium	Low	Guarded	Low Hanna City
ate		Wildfire	Medium	Low	Low	Guarded	
lan Upde		Dam/Levee Failure	Low	Low	High	Elevated	Low Chillicothe, Hanna City, Peoria Heights, West Peoria
Id uo		Drought	High	Low	Low	Elevated	
ligati		Terrorism Events	Low	Low	High	Elevated	
Ω Z		Active Shooter	Low	Low	High	Elevated	
lazar		Hazardous Materials Incidents	Medium	High	Low	High	
ty, ILF		Extreme Temperatures	High	Medium	Medium	High	
Peoria County, IL Hazard Mitigation Plan Update		Flood	Medium	High	High	Severe	Low – Hanna City Guarded - Chillicothe, Peoria Heights,
Pec		Severe Thunderstorms	High	High	Medium	Severe	
		Tornado	High	Medium	High	Severe	
42		Severe Winter Storm	High	High	Medium	Severe	

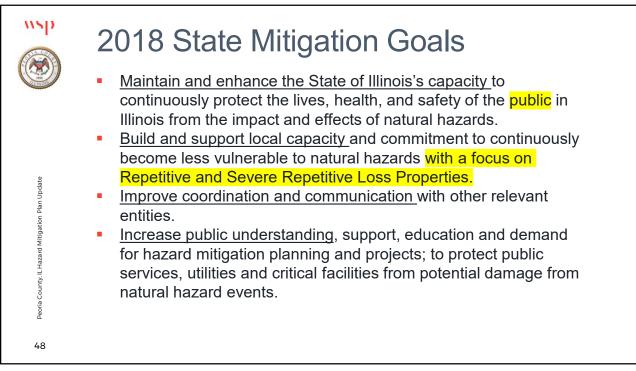
wsp	Haz	zard	Su	mmary		
Hazard	Geographic Location (Percentage of People)	Probability of Future (Frequency)	Magnitude/ Severity	Hazard Rating	Hazard Rating variation for other jurisdictions	
Earthquake	Low	Low	Low	Low		
Land Subsidence	Medium	Low	Low	Guarded	Cł Volca	anic Activity 100 Tornado
Landslide	Low	Medium	Low	Guarded	Tsunam	90
Wildfire	Medium	Low	Low	Guarded		70 60
Dam/Levee Failure	Low	Low	High	Elevated	Coastal Flooding	50 50 F0
Drought	High	Low	Low	Elevated	Avalanche	20 Strong Wind
Terrorism Events	Low	Low	High	Elevated		
Active Shooter	Low	Low	High	Elevated	Wildfire	Ice Storm
Hazardous Materials Incidents	Medium	High	Low	High		
Extreme Temperatures	High	Medium	Medium	High	Earthquake	Riverine Flooding
Flood	Medium	High	High	Severe	Hurricane	e Drought
Severe Thunderstorms	High	High	Medium	Severe		Landslide Lightning Hail
Tornado	High	Medium	High	Severe		
Severe Winter Storm	High	High	Medium	Severe		

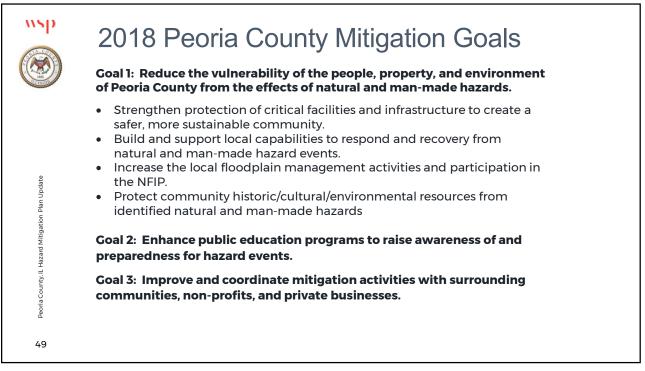


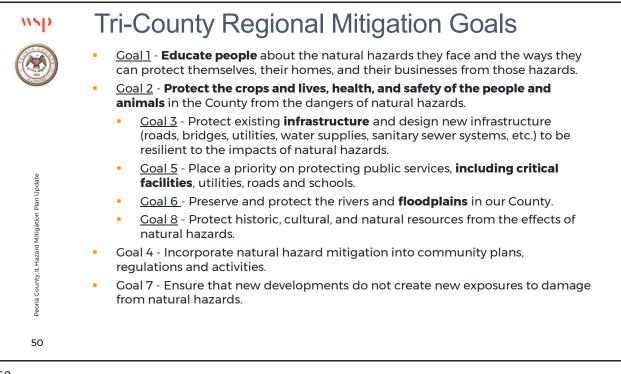












Project Schedule and Next Steps



