



# 2023 Polk County Natural Hazard Mitigation Plan Update Meeting #3

Thursday, June 15, 2023

# Welcome!



UNIVERSITY OF  
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Institute for Policy  
Research and Engagement



# Meeting #3 Goals & Objectives

- ▶ Review the 2017 Hazard Vulnerability Assessment (HVA) and make updates for Polk County
  - ▶ Note: Cities will do this for their jurisdictions in addenda meetings this summer
- ▶ Discuss potential action items to brainstorm for 1:1 addenda meetings
- ▶ Finalize public engagement plans

# Agenda

- ▷ **Introductions**
- ▷ Community Lifelines
- ▷ Future Climate Projections Refresher
- ▷ Hazard Vulnerability Assessment (HVA)
- ▷ Potential Action Items
- ▷ Public Engagement
- ▷ Wrap Up & Next Steps



# Introductions

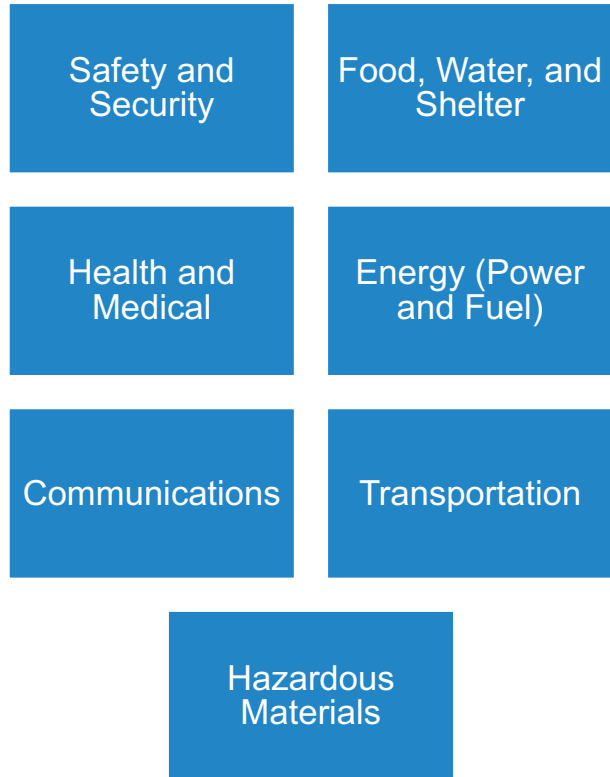
1) Name → 2) Organization

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# Community Lifelines













- ▷ FEMA: “A community lifeline enables the continuous operation of critical business and government functions and is essential to human health and safety or economic security.”
- ▷ We’ll discuss these more, especially in our meetings with each jurisdiction

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	Low Confidence	Medium Confidence	High Confidence	Very High Confidence
<p>↑ Risk Increasing</p>		<p> Drought</p> <p> Expansion of Non-native Invasive Species</p> <p> Reduced Air Quality</p> <p> Loss of Wetlands</p>	<p> Heavy Precipitation</p> <p> Flooding</p> <p> Wildfire</p>	<p> Heat Waves</p>
<p>= Risk Unchanging</p>	<p> Windstorms</p>			
<p>↓ Risk Decreasing</p>				<p> Cold Waves</p>

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# Hazard Vulnerability Assessment (2017)

Hazard	History	Probability	Vulnerability	Maximum Threat	Total Threat Score	Hazard Rank	
Windstorm	20	70	40	100	230	# 1	<i>Top Tier</i>
Winter Storm	20	70	40	100	230	# 1	
Flood - Riverine	20	70	25	50	165	#3	<i>Middle Tier</i>
Earthquake - Cascadia	2	35	25	100	162	#4	
Earthquake - Crustal	2	35	25	100	162	#4	
Drought	10	35	25	90	160	#6	
Wildfire (WUI)	10	35	25	50	120	#7	<i>Bottom Tier</i>
Landslide	8	70	5	10	93	#8	
Volcano	2	7	25	50	84	#9	

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# Drought

- ▷ Monitor drought conditions/water levels
- ▷ Adopt ordinances for water conservation during hazard events
- ▷ Retrofitting water distribution lines to eliminate leaks
- ▷ Encourage drought-resistant landscaping
- ▷ Public education on water conservation
- ▷ Working with farmers on water conservation and crop insurance

# Earthquake

- ▷ Structural mitigation
  - Retrofits to Community Lifelines
  - Retrofits to infrastructure systems
- ▷ Non-structural mitigation
  - Public education on seismic safety
  - Outreach to contractors and developers

# Extreme Heat

- ▷ Identify and conduct outreach to vulnerable populations
- ▷ Open cooling centers during extreme heat events
- ▷ Reduce urban heat island effect (planting trees, incentivize green/light colored roofs)

# Flooding

- ▷ Integrate more floodplain management into stormwater plans
- ▷ Limit or restrict development in floodplains
- ▷ Participation in the National Flood Insurance Program (NFIP) and/or Community Rating System (CRS)
- ▷ Acquire repetitive loss and severe repetitive loss properties and remove structures (“land banking”)
- ▷ Improve stormwater system capacity
- ▷ Public education on building above base flood elevation



# Landslide

- ▷ Manage development on steep slopes by ordinance
- ▷ Prevent impacts to roadways (catch-fall nets, soil stabilization, etc.)

# Volcano

- ▷ Study ashfall risk
- ▷ Establish a plan for supporting local businesses and farms during ashfall event

# Wildfire

- ▷ Plan for evacuations and map evacuation routes
- ▷ Encourage fire-resistant development in higher-risk areas
- ▷ Establish clean air shelters during wildfire smoke events
- ▷ Retrofit HVAC systems for emergency operations centers
- ▷ Public education (e.g., FireWise)
- ▷ Establish a wildfire fuel reduction plan
- ▷ Retrofit water distribution systems to ensure water availability during wildfire events

# Windstorm

- ▷ Work with utility providers to underground power lines
- ▷ Incentivize home/building owners to secure materials that could be affected by wind

# Winter Storm

- ▷ Increase de-icing capacity (new vehicles, replanning de-icing routes)
- ▷ Work with utility providers to underground power lines
- ▷ Public education on safer travel routes and protecting homes during winter storms
- ▷ Continue to support warming shelters

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# Public Engagement

- ▷ Polk County Fair (August 9-12, Fairgrounds in Rickreall)
- ▷ Dallas event
- ▷ River's Edge Summer Concert/Film Series (Independence Riverview Park)
- ▷ Survey? Could also survey folks at tabling event

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First

# Update Phase

1:1 Addenda Meetings



## Second

# Review Phase



\*OEM and FEMA Reviews can take up to 45 days but may be shorter (especially for OEM's review).

# Thanks!

## Any questions?

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# Credits

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