



WILLIAMSON COUNTY MULTI-HAZARD MITIGATION PLAN



FEMA



Meeting 3
March 17, 2022
10:00 AM

Agenda

1. Welcome and Introductions
2. Multi-Hazard Mitigation Planning Updates
3. Hazards and Essential Facilities Overview
4. Mitigation Strategies Review
5. Public Comments/Feedback from Planning Team
7. Adjourn

MHMP Planning Process

Disaster Mitigation Act of 2000

Amended from the Robert T. "Stafford Act"

Focus on pre-disaster hazard mitigation

FEMA-approved Hazard Mitigation Plan required

Five year updates to the plan

Multi-hazard Mitigation Planning Updates

- **Timeline**

[illegible]

Match Requirements

- 75% Federal Dollars for Planning
- 25% Local Match Needed
- Match is Met by Your Participation
 - Meeting Attendance
 - Outside Work on Plan
 - Travel
 - Other Costs
- Current Match: 126%
- MHMP Match Survey

MHMP-Salary and Benefit Request

As you are aware, Greater Egypt has contracted with Williamson County to assist with the completion of the 5-year update to the Multi-Hazard Mitigation Plan. As a federally-funded project, 25% of the cost of the update must be met by Williamson County and other local agencies that participate in the plan update. The match is met through in-kind support or "sweat equity" by the representatives of the participating agencies who attend meetings and take part in the update process. IEMA and FEMA require the actual salary and benefit rates to be used to calculate the cost.

We respectfully request that you provide the names and compensation information for the employees and representatives of your agency who have attended meetings so far, or who have not attended meetings but will eventually be involved in the update process. Please provide this information in the Salary and Benefit Request. This information will remain in strict confidence and will only be utilized to complete the required reports for the IEMA grant manager in Springfield.

For questions regarding this request, feel free to contact Greater Egypt at 618-997-9351.

* Required

Email *

Your email

First Name *

Your answer

Last Name *

Your answer

Responsibilities of Planning Partners

- ~~Represent an authorized jurisdiction in the county~~
- ~~Attend two meetings during planning process~~
- ~~Complete Hazard Ranking exercise for your jurisdiction~~
- Propose two mitigation strategies for each hazard
- ~~Assist with meeting match requirements through participation~~
- Assist with data collection for hazard modeling

Hazard Ranking Review

- 1.Tornado
- 2.Pandemic/Epidemic
- 3.Earthquake
- 4.Severe Thunderstorm
- 5.Severe Winter Weather
- 6.Flooding
- 7.Mine Subsidence
- 8.HazMat release
- 9.Cyberattack
- 10.Dam & Levee Failure

Mitigation Strategies for hazards not listed in the top 10 can still be included in the Plan!

Partner Acknowledgements

Special thanks to those who assisted in reviewing and updating essential facilities lists !

- EMA Coordinator: Kelly Norris
- EMA Deputy Director: Pat Creek
- Johnston City CUSD: Kathy Clark
- Crab Orchard CUSD: Sy Stone
- Marion CUSD: Kimberly Watson
- Williamson County Fire Protection: Jeremy Norris
- Lake of Egypt Fire Protection: Jerry Odum
- Johnston City Fire Department: Angela Hensley
- Cartersville Fire Department: Ron Rains
- Marion Fire Department: Tim Barnett

Essential Facility Review

**Please speak up if you see a spelling error
or incorrect address!**

**Last and final chance to add in any other facilities that
may be essential to your jurisdiction!**

**This information will be updated into the FEMA
CDMS/Hazus Statewide dataset for others to use, it needs
to be as accurate as possible**

Essential Facilities List – Hospitals

Name	# Beds	Address	City	Zip Code	Backup power?	Kitchen?	Shelter capacity?	Yr Built	Replacement Value
Herrin Hospital		201 S 14th St	Herrin	62948					
Heartland Regional Medical Center		3333 W Deyoung St	Marion	62959					
Marion VA Medical Center		2401 W Main St	Marion	62959					

Essential Facilities List – EOCs

Name	Address	City	Zip	Backup power?	Sq Ft	Replace ment value
Williamson County Emergency Operations Center - Primary	407 N Monroe St, 3rd Floor Board Room	Marion	62959	No	660	
Williamson County Emergency Operations Center - Secondary	404 N. Van Buren, Second Floor Training Room (Sheriff's Office)	Marion	62959	Yes		

Essential Facilities List – Police

Name	Address	City	Zip Code	Backup power?	Yr Built	Replacement Value
Cambria Police Department	105 S Maple St	Cambria	62915			
John A Logan College Campus Police	700 Logan College Dr, E120	Carterville	62918			
Crainville Police Department	1200 Marilyn St	Carterville	62918			
Carterville Police Department	126 Illinois Ave	Carterville	62918			
Creal Springs Police Department	507 E Walnut	Creal Springs	62922			
Energy Police Department	210 N Pershing St	Energy	62933			
Herrin Police Department	321 N 14th St	Herrin	62948			
Hurst Police Department	111 Bush Ave	Hurst	62949			
Johnston City Police Department	100 W Broadway Blvd	Johnston City	62951			
Spillertown Police Department	102 Community Dr	Marion	62959			
Williamson County Sheriffs Department	404 North Van Buren St.	Marion	62959			
Marion Police Department	1001 W Deyoung St	Marion	62959			
Pittsburg Police Department	302 W Avery Ave	Pittsburg	62974			

Essential Facilities List – Fire Protection

Name	Trucks & Equip. Available	Backup Power?	Kitchen?	Address	City	Zip Code
Hurst Fire Department				120 N King St	Hurst	62949
Bush Volunteer Fire Department				406 Poplar Ave	De Soto	62924
Cambria Fire Department				103 S Maple St	Cambria	62915
Carterville Fire Department	2 Engines, 1 Ladder Truck, 1 Brush Truck	Y	Y	300 N Division St	Carterville	62918
Energy Fire Department				201 Front St	Energy	62933
Energy Volunteer Fire Department				210 N Pershing St	Energy	62933
Herrin Fire Department				401 S Park Ave	Herrin	62948
Freeman Spur Volunteer Fire Department				19072 Freeman Spur Road		
Johnston City Fire Department	2 Engines (1 with medical equipment), 1 Ladder truck, 1 Squad, 1 Brush truck w trailer, 1 ATV, 1 MVU Mabas Division 45 Fan Truck, 1 van with medical equipment, 1 car (chief's vehicle)	Y	Y	500 Washington Ave	Johnston City	62951
Pittsburg Volunteer Fire Department				110 Lodge St	Pittsburg	62974
Marion Fire Department	4 engines, 1 ladder truck	Y	Y	204 N Court St	Marion	62959
Lake of Egypt Fire Protection District Headquarters/Station 1	#2- Fire Engine, #2- Tankers, #2- Ambulance, #2- Brush trucks and #1- Heavy rescue truck	Y	Y	12228 Lake of Egypt Rd	Marion	62959
Lake of Egypt Fire Protection District Station 2	#2-Tankers	N	N	1605 Eagle Point Bay	Goreville	62939
Lake of Egypt Fire Protection District Station 3		N	N	6175 Tunnel Hill Rd	Goreville	62939
Lake of Egypt Fire Protection District Station 4/ Live-In & Maintenance	#1- decon Truck, #1- Brush Truck, #1- Rescue Boat and #1- Fire Engine	N	N	11708 Lake of Egypt Rd	Marion	62959
Lake of Egypt Fire Protection District Station 5		N	N	7913 Grassy Rd	Carbondale	62902
Lake of Egypt Fire Protection District Station 6		N	N	13205 Lakeview Dr	Creal Springs	62922

Essential Facilities List – Fire Protection

Name	Trucks & Equip. Available	Backup Power?	Kitchen?	Address	City	Zip Code
Crab Orchard National Wildlife Refuge Fire Department				8848 Route 148		
Williamson County Fire Protection District Station 1	engine 2150, tender 2160, Brush Truck 2170/UTV, Ladder 2180, Reserve Tender 2161	Y, 175KW phase3	Commercial	1503 East Main St.	Marion	62959
Williamson County Fire Protection District Station 2		N	Small	1205 North Division	Cartersville	62918
Williamson County Fire Protection District Station 3	engine 2350, tender 2360, Brush Truck 2370/UTV	N	Small	9366 Paulton Rd.	Marion	62959
Williamson County Fire Protection District Station 4	engine 2450, tender 2460, Brush Truck 2470/UTV.	N	Small	20938 Corinth Rd.	Thompsonville	62890
Williamson County Fire Protection District Station 5	engine 2550, tender 2560, Brush Truck 2570/UTV	N	Small	1600 West Broadway	Johnston City	62951
Williamson County Fire Protection District Station 6	engine 2650, tender 2660, Squad 1 2680/UTV	N	Small	3232 S. Park Ave.	Herrin	62948
Williamson County Fire Protection District Station 7	engine 2750, tender 2760, Brush Truck 2770	N	Small	410 W Blue Ave	Creal Springs	62922

Essential Facilities List – Schools

District	Name	Address	City	Zip Code	# Students	Shelter Capacity (# persons)	Sq Footage	Replacement Value
Carterville CUSD #5	Carterville High School	1415 West Grand Avenue	Carterville	62918				
Carterville CUSD #5	Carterville Junior High School	816 S. Division	Carterville	62918				
Carterville CUSD #5	Carterville Intermediate School	300 School Street	Carterville	62918				
Carterville CUSD #5	Tri-C Elementary School	1405 W. Grand Ave.	Carterville	62918				
College	John A Logan College	700 Logan College Drive	Carterville	62918				
Private School	Unity Christian School	100 E College St	Energy	62933				
Herrin CUSD #4	Herrin High School	700 N 10th	Herrin	62948				
Herrin CUSD #4	Herrin Junior High School	700 S 14th St	Herrin	62948				
Herrin CUSD #4	Herrin Elementary School	5200 West Herrin Road	Herrin	62948				
Herrin CUSD #4	North Side Primary Center	601 N 17th St	Herrin	62948				
Private School	Our Lady of Mt Carmel School	400 West Monroe St.	Herrin	62948				
Johnston City CUSD #1	Jefferson Elementary School	1108 Grand Avenue	Johnston City	62951	285	20	26000	5.4m
Johnston City CUSD #1	Lincoln Elementary School	20163 Corinth Rd.	Pittsburg	62974	135	20	18000	4.4m
Johnston City CUSD #1	Washington Middle School	100 E. 12th St.	Johnston City	62951	325	50	53000	9m
Johnston City CUSD #1	Johnston City High School	1500 Jefferson Avenue	Johnston City	62951	320	50	57000	13.2m
Regional Office of Education #21	Project Echo Alternative School	17428 IL-37	Johnston City	62951				
Crab Orchard CUSD #3	Crab Orchard High School	19189 Bailey St	Marion	62959	160	1500	91113	
Crab Orchard CUSD #3	Crab Orchard Elementary School	19189 Bailey St	Marion	62959	326			
Marion CUSD #2	Adams School	15740 Lake of Egypt Rd	Creal Springs	62922	243	575	66450	13950000
Marion CUSD #2	Jefferson Elementary School	700 E. Boulevard St.	Marion	62959	360	317	25412	14582000
Marion CUSD #2	Lincoln Elementary School	400 Morningside Dr.	Marion	62959	489	720	62325	17260000
Marion CUSD #2	Longfellow Elementary School	1400 W. Hendrickson	Marion	62959	249	545	33665	11682000
Marion CUSD #2	Washington Elementary School	420 E Main St.	Marion	62959	489	1202	69025	15358000
Marion CUSD #2	Marion Junior High School	1609 W Main St	Marion	62959	752	1490	128910	24834200
Marion CUSD #2	Marion High School	1700 Wildcat Dr.	Marion	62959	1151	2223	338487	74340000
Private School	Marion Adventist Christian School	9314 Old Route 13	Marion	62959				
Serves Multiple Districts	Williamson County Education Services	411 S Court St	Marion	62959				



5 minute break

Mitigation Strategies

The purpose of mitigation planning is for State, local, and Indian tribal governments to identify the natural hazards that impact them, to identify actions and activities to reduce any losses from those hazards, and to establish a coordinated process to implement the plan, taking advantage of a wide range of resources. (Stafford Act Title 44, Chapter 1, Part 201).



Sugar Camp coal mine near Benton in southern Illinois on Sept. 16.

E. JASON WAMBSGANS, CHICAGO TRIBUNE

Something in the water

Fire and toxic foam ravage Sugar Camp coal plant

KALLIE COX
The Southern

extinguish it, operators dumped 46,000 gallons of toxic foam into the mine.

Environmental experts say a foam that contains a group

The scope of the issue

Twenty days after the Illinois EPA learned of the use of PFAS and received reports that it was detected on a nearby creek on

from the transfer and storage of firefighting foam concentrate, the expedient clean up and removal of any spilled firefighting foam concentrate, and the rou-



Grand Tower has approved an emergency loan to make repairs to a massive sinkhole that has been growing since Friday.

PROVIDED



RYAN C. NEWMAN, LEXINGTON HERALD-LEADER

Buildings are left derelict in downtown Mayfield, Ky., on Saturday in the wake of a deadly tornado that swept through the region Friday night. Kentucky Gov. Andy Beshear said upward of 70 may have died when a twister touched down for more than 200 miles in the state.

DEADLY STORMS



The north end of Brier Creek Road, where it intersects Ingram Hill Road, remains closed from flooding.

TRAVIS DENEAL PHOTO

Mitigation Strategies

- **Goal 1: Lessen the impacts of hazards to new and existing infrastructure**
 - *Objective:* Retrofit critical facilities and structures with structural design practices and equipment that will withstand natural disasters and offer weather-proofing.
 - *Objective:* Equip public facilities and communities to guard against damage caused by secondary effects of hazards.
 - *Objective:* Minimize the amount of infrastructure exposed to hazards.
 - *Objective:* Evaluate and strengthen the communication and transportation abilities of emergency services throughout the county.
 - *Objective:* Improve emergency sheltering in Jackson County.
- **Goal 2: Create new or revise existing plans/maps for Jackson County**
 - *Objective:* Support compliance with the NFIP for each jurisdiction in Jackson County.
 - *Objective:* Review and update existing, or create new, community plans and ordinances to support hazard mitigation.
 - *Objective:* Conduct new studies/research to profile hazards and follow up with mitigation strategies.
- **Goal 3: Develop long-term strategies to educate Jackson County residents on the hazards**
 - *Objective:* Raise public awareness on hazard mitigation.
 - *Objective:* Improve education and training of emergency personnel and public officials.

Mitigation Strategies Highlights - All Hazards

Strategy	Priority	Proposed By
Promote awareness and educate students, staff, and community through education materials and planning guides. Ensure facilities are equipped with emergency survival and first aid supplies, etc.	High	Multiple
Outreach booths at community events with hazard information, sign people up for Hyper Reach	High	County EMA
Man the station during risk of severe weather. Keep weather radios in govt buildings. Tornado sirens can be activated by multiple jurisdictions (dispatch, fire, or police radios). Train staff to watch for severe weather. Retrofit buildings to withstand high winds. Construct safe rooms in essential facilities. Assist in damage clean up and assisting injured. Maintain list of bus services that would assist in disasters. Provide list of shelter and food locations during emergencies	High	Michael Nelson (Energy Asst. Fire Chief)
Backup water supply	Medium	Multiple

Mitigation Strategies Highlights - Tornados / Severe Storms

Strategy	Priority	Proposed By
Construct safe rooms in essential facilities and other community buildings. Retrofit existing buildings to withstand high winds	High	Multiple
Seek funding to upgrade/retrofit senior centers	Medium	Egyptian Area Agency on Aging
Improve early warning systems. Coordinate for early warning systems, improve infrastructure for rural areas. Early warning system notifications on buses. Practice Drills. Prepare students and staff for severe weather, create plans and execute drills.	High	Jeff Bink and Chad Milburn (regional office of education #21)

Mitigation Strategies Highlights - Floods

Strategy	Priority	Proposed By
Stockpile sandbags and other equipment to mitigate flooding of school buildings.	Low	Jeff Bink and Chad Milburn (regional office of education #21)
Update urban areas to withstand storm water (rain gardens, bioswales, urban tree planting, permeable pavement). Outreach/education for homeowners regarding flood insurance options, and home/landscape improvements that can reduce flooding impacts. buy-out plan for repetitive loss properties	High	Multiple
Seek funding to update building so that it is less prone to flood damage	High	Shara Robinson (Lighthouse Shelter)
Regularly perform drainage system maintenance. Review/update evacuation protocols	High	Multiple

Mitigation Strategies Highlights - Earthquakes

Strategy	Priority	Proposed By
Provide information to residents on structural and non-structural retrofitting. Develop earthquake emergency action plans. Construct new safe rooms. Install automatic shutoff valves. Construct backup water mains	Low	Doug Phillips; City of Marion Superintendent
Develop earthquake emergency action plan. Automatic shutoff valves. Install shutoff valves for all utilities. Work with outside agencies to consult schools on best strategies.	Medium	Jeff Bink and Chad Milburn (regional office of education #21)
Current plans in place, but may not be practiced in a while due to recent closure. Revisit earthquake plan and ensure seniors know the plan.	Medium	EAAA
Construct backup water mains	Medium	Multiple
Develop earthquake emergency action plans. In the event of an earthquake: Check for and report injured people and building/infrastructure damages. Assist other agencies as needed	Low	Michael Nelson (Energy Asst. Fire Chief)

Mitigation Strategies Highlights - Power outage/utility disruption

Strategy	Priority	Proposed By
Install backup power supplies at all critical facilities and critical infrastructure. Do Community and school outreach and teach students and citizens how to prepare for power outages/utility disruptions. Sign up people for county alert program.	Medium	Multiple
Provide seniors a list of items to have nearby in case of power outage, like blanket, flashlight, etc. Have senior center staff check with seniors after power outage to ensure they throw out refrigerated items that may have gone bad.	Medium	Egyptian Area Agency on Aging & senior centers
Assist other agencies or care facilities as needed. Keep station manned. Make sure generators are in working condition. Check for damages and degree of outage	Medium	Michael Nelson (Energy Asst. Fire Chief)

Mitigation Strategies Highlights - Pandemic

Strategy	Priority	Proposed By
• Enhance reporting and contact tracing protocols Strategies • Develop/update plans for mass care situations • Develop plan and mutual aid agreement for use of portable morgue	High	Multiple
Have a 1-2 week back-up meals for emergency given to seniors in case of meal site closure and inability to get food. Ensure temperatures are taken, masks are worn, and social distancing and potential meal pick-ups instead of on-site during disease outbreaks.	High	Becky Salazar EAAA
Seek funding to relocate COVID positive residents in hotels or other locations to maintain health of facility. Other procedures already in place	Medium	Shara Robinson (Lighthouse Shelter)

Mitigation Strategies Highlights - HazMat Release

Strategy	Priority	Proposed By
<ul style="list-style-type: none">• Acquire protective gear for first responders and locations with high probabilities of occurrence (colleges, factories/warehouses, energy plants) • Develop and update HazMat emergency action plans• Equip facilities with centralized positive-pressure HVAC systems	Medium	Multiple
Develop and update HazMat emergency action plans. Promote awareness and educate students, staff, and community through education materials and planning guides.	High	School Districts
Repeated water testing in the event of a HazMat release, shutoff pumps & distribute no consumption notices as necessary.	Low	Bruce Emery (Coal Valley Water District)

Mitigation Strategies Highlights - Winter storms

Strategy	Priority	Proposed By
Stockpile resources (salt/de-icing) and equipment. Maintain list of available equipment (trucks, plows) and companies available with rates. Maintain list of equipment and companies available for disaster abatement. Coordinate with other counties	High	Multiple
Encourage residents to sign up for alert systems	Medium	Multiple
Maintain updated list of warming centers	Medium	Multiple

Planning Team / Public comments
