



# JEFFERSON COUNTY MULTI-HAZARD MITIGATION PLAN



**FEMA**



**Meeting 3**  
**March 1, 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. Feedback from Planning Team
7. Adjourn

[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: 77% (\$6,399/8,333)
- MHMP Match Survey

## MHMP-Salary and Benefit Request

As you are aware, Greater Egypt has contracted with Jefferson 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 Jefferson 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                          | 13. Wildfire                         |
| 2. Disease outbreak/epidemics       | 14. Utility disruption/power outages |
| 3. Earthquake                       | 15. Infestation/invasive species     |
| 4. Severe winter weather            | 16. Landslide                        |
| 5. HazMat release                   | 17. Meteor                           |
| 6. Flooding                         |                                      |
| 7. Severe thunderstorm              |                                      |
| 8. Drought/extreme heat             |                                      |
| 9. Ground failure (mine subsidence) |                                      |
| 10. Terrorism                       |                                      |
| 11. Dam failure                     |                                      |
| 12. Cyberattack                     |                                      |



# 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	Backup Power?	Address	City	Zip Code	Yr Built	Replacement Value
Crossroads Community Hospital	47		8 Doctors Park Rd	Mt Vernon	62864	1979	
SSM Health Good Samaritan Hospital	134		1 Good Samaritan Way	Mt Vernon	62864	1979	



# Essential Facilities List – Fire Protection

Name	Address	City	Zip Code	Trucks & Equipment available	backup power?	kitchen?	sq ft	replacement value	yr built
Jefferson Fire Protection District Station 1	1600 S 10th St	Mt Vernon	62864						1962
Jefferson Fire Protection District Station 2	303 W Third	Ina							
Jefferson Fire Protection District Station 3	298 N Main	Dix							
Jefferson Fire Protection District Station 4	9083 N Hottenson	Opdyke							
Mt Vernon Fire Department Station 1	1100 S Main Str								
Mt Vernon Fire Department Station 3	1111 Airport Rd								
Mt Vernon Fire Department Station 4	714 S 42nd Str								
Bluford Fire Department	504 Parker St	Bluford	62814						1979
Belle Rive Fire Department	102 S Hickory St	Belle Rive	62810						1974
Waltonville Fire Protection District	214 W Main St	Waltonville	62894						1980
Woodlawn Fire Protection District	102 S Central St	Woodlawn	62898						1980



# Essential Facilities List – Police & Emergency Management

Name	Address	City	Zip Code	Yr Built	Replacement Value	sq footage	Backup power?	Kitchen?
Rend Lake College Police Department	468 N. Ken Gray Parkway	Ina	62848	1974				
Bonnie Police Department	270 S Railroad St	Bonnie	62816	1974				
Mt. Vernon Police Department	211 N 10th St	Mt Vernon	62864	1954				
Jefferson County Sheriff's Office	911 Casey Ave	Mt Vernon	62864	1954				
Ina Police Department	306 S Elm St.	Ina	62846					
Jefferson County Emergency Operations	911 Casey Ave	Mt Vernon	62864	1954				

# Essential Facilities List – Schools

District/ Type	Name	Grades	Address	City	Zip Code	# student s	shelter capacity (# of persons )	Sq footage	replacemen t value	Yr Built
Mt Vernon District 80	Dr. Nick Osborne Primary Center	K-3	401 North 30th Street	Mt Vernon	62864					
Mt Vernon District 80	Dr. Andy Hall Early Childhood Center	preK	301 South 17th Street	Mt Vernon	62864					
Mt Vernon District 80	J.L. Buford Intermediate Education Center	4-5	623 South 34th Street	Mt Vernon	62864					
Mt Vernon District 80	Zadok Casey Middle School	6-8	1829 Broadway	Mt Vernon	62864					
District 201	Mt Vernon Township High School		11101 North Wells Bypass	Mt Vernon	62864					
Waltonville Community Unit School District No. 1	Waltonville Grade School	preK-8	804 W Knob St	Waltonville	62894					
Waltonville Community Unit School District No. 1	Waltonville High School	9-12	805 W Knob St	Waltonville	62894					
Bluford Unit School District 318	Bluford Grade School	prek-8	901 6th St.	Bluford	62814					
Bluford Unit School District 318	Webber High School	9-12	310 S Elm St	Bluford	62815					
Farrington Community District 99	Farrington Elementary School	k-8	20941 E Divide Rd	Bluford	62815					
Woodlawn Unit School District #209	Woodlawn Grade School	K-8	301 South Central Street	Woodlawn	62898					
Woodlawn Unit School District #209	Woodlawn High School	9-12	300 North Central Lane	Woodlawn	62898					

# Essential Facilities List – Schools

Spring Garden CCSD #178	Spring Garden Elementary	K-4	14975 E Bakerville	Mt Vernon	62864					
Spring Garden CCSD #178	Spring Garden Middle School	5-8	511 S. Elm Street	Ina	62846					
Opdyke-Belle Rive CCSD #5	Opdyke-Belle Rive CCSD #5	K-8	19380 E 4th St.	Opdyke	62872					
Summersville School District #79	Summersville Grade School	prek-8	1118 FAIRFIELD RD	Mt Vernon	62864					
Private	Victory Christian Academy	k-12	1719 Broadway St	Mt Vernon	62864					
Private	Mt Vernon Christian School	prek-9, homescho ol options for 5-12	817 Woodland Dr	Mt Vernon	62864					
Bethel Grade School District #82	Bethel Grade School	k-8	1201 Bethel Road	Mt Vernon	62864					
Regional Office of Education #13	Alternative Learning Center	6-12	1710 Broadway	Mt Vernon	62864					
Regional Office of Education #13	Alternative Learning Center Building B	6-12	2300 Benton Road, Building B	Mt Vernon	62864					
Field CCSD # 3	Field Elementary School	prek-8	21075 N Hails Ln.	Texico	62889					
Grand Prairie #6	Grand Prairie Grade School	k-8	21462 North Richview Lane	Centralia	62801					
McClellan CCSD #12	McClellan Elementary School	k-8	9475 N IL Hwy 148	Mt Vernon	62864					
Rome School District #3	Rome Grade School	k-8	233 W. South St.	Dix	62830					
Private	St Mary's Catholic School	k-8	1416 Main St	Mt Vernon	62864					
College	Rend Lake College		468 North Ken Gray Parkway	Ina	62846					



# 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 of chemicals known as PFAS

### 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 September 21, following a review

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



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
Construct or obtain a second water storage tower; We currently have only one water storage tower. Our water system is at full capacity. The loss of our tower would cause a major water supply interruption. There is not enough pressure from our supplier to keep adequate pressure	High	Ray Gilbert (Waltonville public works)
Prepare facilities with backup generators. Develop a vulnerable population list.	Medium	Eric Helbig (Superintendent of Woodlawn CUSD #209)





# Mitigation Strategies Highlights - Flooding

Strategy	Priority	Proposed By
Implement waterway maintenance to improve floodplain management. Purchase permanent signage for flood prone areas	Medium	Multiple
Keeping ditches and culverts clean to prevent flooding on streets in Village.	Medium	Kim McCormick (Village President of Belle Rive)
Provide training for drinking water bypass operations. Purchase emergency pumps for drinking water bypass operations.	Medium	Keith Thomason (General Manager at Rend Lake Conservancy District)
In the event of a dam failure; Build a second water treatment plants on a separate lake. Install cross connects between other water suppliers and the RLCD distribution system.	Medium	Keith Thomason (General Manager at Rend Lake Conservancy District)
Review bus routes for flooding situations. Share information to community about roads that are dangerous under heavy rain events.	Medium	Eric Helbig (Woodlawn CUSD #209 Superintendent)



# Mitigation Strategies Highlights – Tornados/Severe Weather

Strategy	Priority	Proposed By
Mitigation efforts to limit the vulnerability of electrical infrastructure to severe thunderstorms are addressed by an aggressive forestry trim and pole inspection cycle. In the event of a large scale outage as a result of damaged electrical infrastructure, Tri-County Electric Cooperative will contact the Association of Illinois Electric Cooperatives outage management response team to deploy all available electric cooperatives throughout the nation to assist.	Medium	Lynn Hutchison (Tri-County Electric Cooperative)
Enhance any available warning systems in the county. Encourage construction of safe rooms in new public buildings.	High	Multiple
Retro fit existing buildings to withstand high winds in a tornado event. Ballistic film installed on exterior windows to help resist breakage. Install emergency generators in case of a long power outage. Review and revise emergency plan for shelter and place.	High	Eric Helbig (Woodlawn CUSD #209 Superintendent)



# Mitigation Strategies Highlights - Earthquakes

Strategy	Priority	Proposed By
Install at least two water supply lines to each community. Install cross connects with other utilities	High	Keith Thomason (General Manager at Rend Lake Conservancy District)
Install emergency Shut Off valves; Develop an earthquake emergency action plan.	Medium	Eric Helbig (Woodlawn CUSD #209 Superintendent)
Making residents aware of local and state agencies that would help in the event of a earthquake.	Medium	Kim McCormick (Village President of Belle Rive)
Review and revise earthquake plan, continue drills and training for staff	Medium	Robin Jones (SSM Health)



# Mitigation Strategies Highlights – HazMat Release

Strategy	Priority	Proposed By
Conduct Hazardous Materials Commodity flow study	Medium	Multiple
Continue routine water quality testing of lake and distribution lines	High	Keith Thomason (General Manager at Rend Lake Conservancy District)
Develop and update hazmat emergency plans. Acquire protective gear for first responders.	Low	Eric Helbig (Woodlawn CUSD #209 Superintendent)



# Mitigation Strategies Highlights – Winter Storms

Strategy	Priority	Proposed By
Establish warming centers throughout the county. Enhance any available warning systems in the county.	Medium	Multiple
Provide training for extreme cold weather repairs. Provide alternative lake raw water pumping capabilities for the water treatment plant.	High	Keith Thomason (General Manager at rend Lake Conservancy District)
Regular inspections of heating systems/ roofing to ensure they can keep up/ hold up in a large amount of snowfall. Invest in engine block heaters for buses.	Medium	Eric Helbig (Woodlawn CUSD #209 Superintendent)
Review and update winter weather plan, plans in place for staff to remain on campus during storms	High	Robin Jones, SSM Health

# Mitigation Strategies Highlights – Extreme Heat

Strategy	Priority	Proposed By
Develop partnerships with local churches to use as cooling centers	Medium	Kim McCormick (Village President of Belle Rive)
Ensure all students have access to appropriate AC during the school day. Retro-fit buildings with heat reflective materials.	Low	Eric Helbig (Woodlawn CUSD #209 Superintendent)
Develop a water conservation plan and implementation procedures. Build a second water treatment plant on a separate lake.	Medium	Keith Thomason (General Manager of the Rend Lake Conservancy District)

# Mitigation Strategies Highlights – Pandemic

Strategy	Priority	Proposed By
Secure a permanent warehouse facility for PPE in case of future outbreak(s).	High	Multiple
Conduct a full scale exercise every 5 years to address pandemic response. Update plans for contact tracing protocols with lessons learned from COVID-19 and train staff on these protocols.	High	Amy Harrion (Administrator at the Jefferson County Health Department)
Implement safety procedures and purchase masks. Develop alternate work stations.	High	Keith Thomason (General Manager at Rend Lake Conservancy District)
Enhance reporting and contact tracing program/ protocols. Stockpile PPE for usage.	High	Eric Helbig (Woodlawn CUSD #209 Superintendent)



# Planning Team Discussion

---

*Reminder that any strategy not included in the Plan will not qualify for FEMA grant programs for the next 5 years*