

Warren County NHMP Summary.pdf

Resolution 23-004, Adoption of Multi-County & Municipal Hazard Mitigation.pdf



---

# Monmouth Fire Department

---

601 Industrial Park Road - Monmouth, Illinois

**3-30-2023**

**Subject: Adoption of Warren County Natural Hazard Mitigation Plan**

This information is in regard to the resolution on the April 3<sup>rd</sup> City Council Agenda to adopt the "2023 Warren County Multi-Jurisdictional Natural Hazard Mitigation Plan".

The Warren County Natural Hazard Mitigation Plan evaluates damage to life and property from natural hazards that have impacted the County and identifies projects and activities that can reduce these damages.

The plan was developed by a consulting company called American Environmental who are located in Springfield, Illinois. American Environmental hosted the first of five planning meetings in November of 2021 and invited entities in Warren County to attend including municipalities, townships, fire districts, law enforcement, schools, public works, healthcare, and emergency management. Using input from all of the participating agencies, a plan was developed and has since been approved by IEMA.

The development of the plan was funded through a grant from FEMA. By preparing and adopting a natural hazard mitigation plan, participating jurisdictions become eligible to apply for and receive federal hazard mitigation funds to implement mitigation actions identified in the plan. These funds, made available through the Disaster Mitigation Act of 2000, can help provide local government entities with the opportunity to complete mitigation projects that would not otherwise be financially possible. Funding for mitigation projects may be available through grants before disasters occur or after a declared disaster.

I have attached the section from the plan that identifies mitigation projects that were identified by the City of Monmouth. The projects that have been identified only serve as recommendations that would be used if funding would become available for the projects and the City is not obligated in any way to complete any of them.

The next step in the process is for all of the participating entities to formally adopt the plan. After adopting the Plan, each participating jurisdiction will be eligible to apply for federal mitigation funds and can begin implementing the mitigation actions identified in the plan. The entire plan can be made available for anyone interested by contacting Chief Rexroat.

Regards,

Casey Rexroat-Fire Chief

**Figure MIT-10**  
**Monmouth Hazard Mitigation Actions**  
**(Sheet 1 of 3)**

Priority	Activity/Project Description	Hazard(s) to be Mitigated	Community Lifeline(s) to be Mitigated	Type of Mitigation Activity	Size of Population Affected	Goal(s) Met	Reduce Effects of Hazard(s) on Buildings & Infrastructure		Organization / Department Responsible for Implementation & Administration	Time Frame to Complete Activity	Funding Source(s) <sup>†</sup>	Cost/Benefit Analysis
							New	Existing				
LM	Evaluate the need for additional outdoor storm warning sirens to maximize the system's effectiveness and establish Community Lifelines in areas without coverage. The City has experienced growth and development since storm warning system was installed. Purchase and install storm warning sirens in these newly identified areas.	SS, T	C	E&A	Medium	2	---	---	Fire Chief / 911 Coordinator	1-3 years	FPD	Low/Medium
HM	Upgrade storm warning sirens within the City to ensure continued operations of Communications Community Lifelines essential to human health and safety.	SS, T	C	E&A	Medium	2	---	---	Fire Chief	3-5 years	City / USDA – RD Critical Facilities Programs	Medium/High
HM	Purchase and install emergency backup generators at all City-owned facilities and infrastructure systems to establish resilient and reliable power supplies in order to maintain continuity of government/operations and mitigate risk to Community Lifelines.	EC, EH, EQ, F, SS, SWS, T	C FWS S&S	S&IP	Large	2, 3, 5, 9	---	Yes	Fire Chief	3-5 years	City / USDA – RD Critical Facilities Programs	Medium/High

† Identifies the most likely funding source to be pursued for the activity/project described. However, if funding is unavailable through the most likely or other suggested sources, then implementation of medium to large-scale activities/projects is unlikely due to the budgetary constraints experienced by a city of this size (just over 8,800 individuals). The City works hard to maintain critical services to its residents. Additional funding is necessary if implementation is to be achieved within the time frames specified.

#### Acronyms

Priority	Hazard(s) to be Mitigated:	Type of Mitigation Activity:
HM	EC Extreme Cold SS Severe Storms	E&A Education & Awareness NSP Natural Systems Protection
	EH Excessive Heat SWS Severe Winter Storm	LP&R Local Plans & Regulations S&IP Structure & Infrastructure Projects
LM	EQ Earthquake T Tornado	
	F Flood	
HL		Community Lifelines to be Mitigated:
		C Communications H&M Health & Medical
LL		E Energy (Power & Fuel) S&S Safety & Security
		FWS Food, Water, Shelter T Transportation
		HM Hazardous Material

**Figure MIT-10**  
**Monmouth Hazard Mitigation Actions**  
**(Sheet 2 of 3)**

Priority	Activity/Project Description	Hazard(s) to be Mitigated	Community Lifeline(s) to be Mitigated	Type of Mitigation Activity	Size of Population Affected	Goal(s) Met	Reduce Effects of Hazard(s) on Buildings & Infrastructure		Organization / Department Responsible for Implementation & Administration	Time Frame to Complete Activity	Funding Source(s) <sup>†</sup>	Cost/Benefit Analysis
							New	Existing				
HM	Upgrade/retrofit drinking water system (water lines, mains, hydrants, pumping system, etc.) within the City to increase system resilience, ensure a constant supply of water for residents, and aid in fire suppression during natural hazard events.	EC, EH, EQ, F, SS, SWS, T	FWS	S&IP	Medium	2, 3, 5, 9	Yes	Yes	Public Works Director / Fire Chief / Mayor City Council	5 years	Village / USDA – RD Water & Waste Disposal Program / IEPA SRF – PWSLP	High/High
LM	Create a volunteer network to check on & assist individuals with access and functional needs during natural hazard events.	EC, EH, EQ, F, SS, SWS, T	---	E&A	Small	1, 2, 9	---	---	Fire Chief / Police Chief	5 years	City	Low/High
LM	Develop and implement an outreach program that works with local businesses to identify the risks to their infrastructure and employees from natural hazard events, the actions they can take to reduce those risks and the steps they can take to maintain operations after a hazard event.	DR, EC, EH, EQ, F, SS, SWS, T	C FWS	E&A	Medium	1, 2, 9	---	---	Fire Chief / Police Chief / Mayor	3-5 years	City	Low/Medium
HM	Design and construct a community safe room (built to high wind standards and equipped with an emergency backup generator and HVAC system) at Citizens Lake Campground to establish a Community Lifeline.	SS, T	FWS	S&IP	Small	2, 9	---	---	Fire Chief / Mayor	5 years	County / FEMA HMGP	High/High

<sup>†</sup> Identifies the most likely funding source to be pursued for the activity/project described. However, if funding is unavailable through the most likely or other suggested sources, then implementation of medium to large-scale activities/projects is unlikely due to the budgetary constraints experienced by a city of this size (just over 8,800 individuals). The City works hard to maintain critical services to its residents. Additional funding is necessary if implementation is to be achieved within the time frames specified.

#### Acronyms

##### Priority

HM	Mitigation action with the potential to virtually eliminate or significantly reduce impacts from the most frequent hazards
LM	Mitigation action with the potential to reduce impacts from the most frequent hazards
HL	Mitigation action with the potential to virtually eliminate or significantly reduce impacts from the less frequent hazards
LL	Mitigation action with the potential to reduce impacts from the less frequent hazards

##### Hazard(s) to be Mitigated:

EC	Extreme Cold	SS	Severe Storms
EH	Excessive Heat	SWS	Severe Winter Storm
EQ	Earthquake	T	Tornado
F	Flood		

##### Type of Mitigation Activity:

E&A	Education & Awareness	NSP	Natural Systems Protection
LP&R	Local Plans & Regulations	S&IP	Structure & Infrastructure Projects

##### Community Lifelines to be Mitigated:

C	Communications	H&M	Health & Medical
E	Energy (Power & Fuel)	S&S	Safety & Security
FWS	Food, Water, Shelter	T	Transportation
HM	Hazardous Material		



**Figure MIT-10**  
**Monmouth Hazard Mitigation Actions**  
**(Sheet 3 of 3)**

Priority	Activity/Project Description	Hazard(s) to be Mitigated	Community Lifeline(s) to be Mitigated	Type of Mitigation Activity	Size of Population Affected	Goal(s) Met	Reduce Effects of Hazard(s) on Buildings & Infrastructure		Organization / Department Responsible for Implementation & Administration	Time Frame to Complete Activity	Funding Source(s) <sup>†</sup>	Cost/Benefit Analysis
							New	Existing				
LM	Develop emergency action plans for each City-owned facility that detail the risk to employees and visitors from the natural hazard events that impact the City and identify procedures for evacuating and sheltering-in-place.	EQ, F, SS, SWS, T	S&S	E&A	Small	2, 9	---	---	Fire Chief / Police Chief / Facility Managers	2 years	City	Low/Medium
HM	Review new Flood Insurance Rate Maps (FIRMs) when they become available. Update the flood ordinance to reflect the revised FIRMs and present both for adoption.*	F	S&S	LP&R	Small	2, 3, 4, 6, 7	Yes	Yes	Mayor / City Council	2-5 years	City	Low/Medium
LM	Make the most recent Flood-Insurance Rate Maps available at the Zoning Department to assist the public in considering where to construct new buildings.*	F	S&S	E&A	Small	3, 4, 6, 7	Yes	n/a	Zoning Director	2-5 years	City	Low/Low
LM	Continue to make Village officials aware of the most recent Flood Insurance Rate Maps and issues related to construction in a floodplain.*	F	S&S	E&A	Small	3, 4, 6, 7	Yes	n/a	City Administrator / Zoning Director	2-5 years	City	Low/Low

\* Mitigation action to ensure continued compliance with NFIP.

† Identifies the most likely funding source to be pursued for the activity/project described. However, if funding is unavailable through the most likely or other suggested sources, then implementation of medium to large-scale activities/projects is unlikely due to the budgetary constraints experienced by a city of this size (just over 8,800 individuals). The City works hard to maintain critical services to its residents. Additional funding is necessary if implementation is to be achieved within the time frames specified.

#### Acronyms

##### Priority

HM	Mitigation action with the potential to virtually eliminate or significantly reduce impacts from the most frequent hazards
LM	Mitigation action with the potential to reduce impacts from the most frequent hazards
HL	Mitigation action with the potential to virtually eliminate or significantly reduce impacts from the less frequent hazards
LL	Mitigation action with the potential to reduce impacts from the less frequent hazards

##### Hazard(s) to be Mitigated:

EC	Extreme Cold	SS	Severe Storms
EH	Excessive Heat	SWS	Severe Winter Storm
EQ	Earthquake	T	Tornado
F	Flood		

##### Type of Mitigation Activity:

E&A	Education & Awareness	NSP	Natural Systems Protection
LP&R	Local Plans & Regulations	S&IP	Structure & Infrastructure Projects

##### Community Lifelines to be Mitigated:

C	Communications	H&M	Health & Medical
E	Energy (Power & Fuel)	S&S	Safety & Security
FWS	Food, Water, Shelter	T	Transportation
HM	Hazardous Material		

City of Monmouth, Illinois

**Resolution 23-004**

Adoption of the

2023 Warren County Multi-Jurisdictional Natural Hazards Mitigation Plan

WHEREAS, the City of Monmouth, Illinois is subject to natural hazards including severe thunderstorms, severe winter storms, floods, tornadoes, and drought among others, that pose risks to public health and property; and

WHEREAS, the City of Monmouth, Illinois desires to prepare and mitigate for such natural hazards; and

WHEREAS, under the Disaster Mitigation Act of 2000, the United States Federal Emergency Management Agency (FEMA) requires that local jurisdictions have in place a FEMA-approved Hazard Mitigation Plan as a condition of receipt of certain future Federal mitigation funding after November 1, 2004; and

WHEREAS, the 2023 Warren County Multi-Jurisdictional Natural Hazards Mitigation Plan was developed in accordance with the regulations of the Disaster Mitigation Act of 2000 and the guidance provided by FEMA; and

WHEREAS, the City of Monmouth, Illinois has participated in development the 2023 Warren County Multi-Jurisdictional Natural Hazards Mitigation Plan covering member jurisdictions of Warren County:

NOW THEREFORE, be it resolved that the City Council of the City of Monmouth, Illinois does hereby ratify the following measures:

- Adopt the 2023 Warren County Multi-Jurisdictional Natural Hazards Mitigation Plan as the official Hazard Mitigation Plan for the City of Monmouth, Illinois; and
- Agree to participate in the annual and 5-year updates to this Plan.

ADOPTED on April 3, 2023

CERTIFIED by \_\_\_\_\_  
Rod Davies, Mayor  
City of Monmouth, Illinois

ATTESTED by \_\_\_\_\_  
Susan Trevor  
City Clerk