

CONTRIBUTORS

Shelby County Hazard Mitigation Planning Committee

Jurisdictional Representatives

Name		Title	Department	Jurisdiction/Agency/Organiz
Troy	Clawson	Superintendent		Shelby Co. R-IV School District
Dennie	Carothers	City Administrator		City of Clarence
Glenn	Eagan	Presiding Commissioner	Commission	Shelby County
Gina	Mesmer	City Clerk		City of Shelbyville
Terry	Mefford	Western District Commissioner	Commission	Shelby County
Stephanie	Bender	Shelby County Clerk		Shelby County
Peggy	O'Laughlin			PWSD #1 of Shelby
Brian	Fifer	Assistant Superintendent		City of Shelbina
Dennis	Klusmeyer	Superintendent		City of Shelbina
Tom	Shively	Eastern District Commissioner	Commission	Shelby County
Tim	Lacy	City Clerk		City of Shelbina
Tinna	Croy	Superintendent		North Shelby School District
Brenda	Gruber	City Clerk		City of Hunnewell
Theresa	Malcarne	Village Clerk		Village of Bethel

Stakeholder Representatives

Name	Title	Department	Agency/Organization
Doug Krigbaum	Member Services Manager	Member Service	Missouri Rural Electric Coop

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EXECUTIVE SUMMARY

The purpose of hazard mitigation is to reduce or eliminate long-term risk to people and property from hazards. Shelby County and participating jurisdictions and school/special districts developed this multi-jurisdictional local hazard mitigation plan update to reduce future losses from hazard events to the County and its communities and school/special districts. The plan is an update of a plan that was approved in 2018. The plan and the update were prepared pursuant to the requirements of the Disaster Mitigation Act of 2000 to result in eligibility for the Federal Emergency Management Agency (FEMA) Hazard Mitigation Assistance Grant Programs.

The County Multi-Hazard Mitigation Plan is a multi-jurisdictional plan that covers the following jurisdictions that participated in the planning process:

- Unincorporated Shelby County
- Bethel
- Clarence
- Hunnewell
- Shelbina
- Shelbyville
- North Shelby School District
- Shelby County R-IV School District
- Public Water Supply District #1 of Shelby

The Village of Leonard was invited to participate in the planning process, but did not meet all of the established requirements for official participation. When the future five-year update is developed for this plan, this village will be invited again to participate.

Shelby County and the entities listed above developed a Multi-Jurisdictional Hazard Mitigation Plan that was approved by FEMA on September 21, 2018 (hereafter referred to as the 2018 Hazard Mitigation Plan). This current planning effort serves to update that previously approved plan.

The plan update process followed a methodology in accordance with FEMA guidance, which began with the formation of a Mitigation Planning Committee (MPC) comprised of representatives from Shelby County and participating jurisdictions. The MPC updated the risk assessment that identified and profiled hazards that pose a risk to Shelby County and analyzed jurisdictional vulnerability to these hazards. The MPC also examined the capabilities in place to mitigate the hazard damages, with emphasis on changes that have occurred since the previously approved plan was adopted. The MPC determined that the planning area is vulnerable to several hazards that are identified, profiled, and analyzed in this plan. Riverine and flash flooding, winter storms, severe thunderstorms/hail/lightning/high winds, and tornadoes are among the hazards that historically have had a significant impact.

Based upon the risk assessment, the MPC updated goals for reducing risk from hazards. The goals are listed below:

Goal 1: Public Awareness – Using a variety of communication avenues to increase the citizens awareness of and promote education about the natural hazards that they may face, their vulnerability to these hazards, and how to lessen the effect of future natural hazards.

Goal 2: Strengthen communication and coordination between local governments, emergency personnel, public agencies, and citizens to mitigate the effect of future natural hazards.

Goal 3: Investigate, implement, maintain, and enforce mitigation policies and programs that limit the impact of natural hazards: on the loss of life; on new and existing properties; on natural resources; on infrastructure; and on the local economy.

To advance the identified goals, the MPC developed recommended mitigation actions, as summarized in the table on the following pages. The MPC developed an implementation plan for each action, which identifies priority level, background information, ideas for implementation, responsible agency, timeline, cost estimate, potential funding sources, and more. These additional details are provided in Chapter 4.

Table I. Mitigation Action Matrix

#	Action	Jurisdiction	Priority	Goals Addressed	Hazards Addressed	Address Current Development	Address Future Development	Continued Compliance with NFIP
	Prevention							
Shelby County 2023.1	Generator for shelters	Shelby County	High	1	RF, LF, DQ, ST, T, SWW, ET, F, A, PH, TX, U	✓		
Shelby County 2023.2	Generators for emergency communications	Shelby County	High	2	RF, LF, DQ, ST, T, SWW, ET, F, A, PH, TX, U	✓		
Shelby County 2023.3	Replace bridges and low water crossings and raise flood prone roads	Shelby County	High	3	F	✓	✓	
Shelby County 2023.4	Build Safe Room	Shelby County	High	3	AH	✓	✓	
Bethel 2023.1	Generator for shelters	Bethel	High	1	RF, LF, DQ, ST, T, SWW, ET, F, A, PH, TX, U	✓		
Bethel 2023.2	Generator for Lagoon Pumps	Bethel	High	3	RF, LF, DQ, ST, T, SWW, ET, F, A, PH, TX, U	✓	✓	
Clarence 2023.1	Transfer switch for generator	Clarence	High	1	RF, LF, DQ, ST, T, SWW, ET, F, A, PH, TX, U	✓	✓	
Clarence 2021.2	Warning Sirens	Clarence	High	3	AH	✓	✓	
Hunnewell 2023.1	Generator for shelters	Hunnewell	High	1	RF, LF, DQ, ST, T, SWW, ET, F, A, PH, TX, U	✓		

#	Action	Jurisdiction	Priority	Goals Addressed	Hazards Addressed	Address Current Development	Address Future Development	Continued Compliance with NFIP
Shelbina 2023.1	Generator for shelters	Shelbina	High	1	RF, LF, DQ, ST, T, SWW, ET, F, A, PH, TX, U	✓		
Shelbina 2023.2	Generators for emergency communications	Shelbina	High	2	RF, LF, DQ, ST, T, SWW, ET, F, A, PH, TX, U	✓		
Shelbina 2023.3	Warning Sirens	Shelbina	High	3	AH	✓	✓	
Shelbina 2023.4	Storm Water Drainage	Shelbina	High	3	F	✓	✓	
Shelbina 2023.5	Replace Aging PVC Gas Mains	Shelbina	High	3	RF, T, SWW, EQ	✓	✓	
Shelbyville 2023.1	Generator for shelters	Shelbyville	Med	1	RF, LF, DQ, ST, T, SWW, ET, F, A, PH, TX, U	✓		
North Shelby School District 2023.1	Build a tornado safe room	North Shelby School District	High	3	AH	✓	✓	
North Shelby School District 2023.2	Generator for school	North Shelby School District	High	1	RF, LF, DQ, ST, T, SWW, ET, F, A, PH, TX, U	✓		
North Shelby School District 2023.3	Two-Way Radios and Cameras	North Shelby School District	High	3	ET ST SWW T	✓	✓	

#	Action	Jurisdiction	Priority	Goals Addressed	Hazards Addressed	Address Current Development	Address Future Development	Continued Compliance with NFIP
Shelby County R-IV School District 2023.1	Build a tornado safe room	Shelby County R-IV School District	High	3	AH	✓		
PWSD #1 of Shelby 2023.1	Improve Cellular Connectivity	PWSD #1 of Shelby	High	2	AH	✓		
	Structure and Infrastructure Projects							
Shelby County 2023.1	Generator for shelters	Shelby County	High	1	RF, LF, DQ, ST, T, SWW, ET, F, A, PH, TX, U	✓		
Shelby County 2023.3	Replace bridges and low water crossings and raise flood prone roads	Shelby County	High	3	F	✓	✓	
Shelby County 2023.4	Build Safe Room	Shelby County	High	3	AH	✓	✓	
Bethel 2023.1	Generator for shelters	Bethel	High	1	RF, LF, DQ, ST, T, SWW, ET, F, A, PH, TX, U	✓		
Bethel 2023.2	Generator for Lagoon Pumps	Bethel	High	3	RF, LF, DQ, ST, T, SWW, ET, F, A, PH, TX, U	✓	✓	
Clarence 2023.1	Transfer switch for generator	Clarence	High	1	RF, LF, DQ, ST, T, SWW, ET, F, A, PH, TX, U	✓	✓	
Clarence 2021.2	Warning Sirens	Clarence	High	3	AH	✓	✓	

#	Action	Jurisdiction	Priority	Goals Addressed	Hazards Addressed	Address Current Development	Address Future Development	Continued Compliance with NFIP
Hunnewell 2023.1	Generator for shelters	Hunnewell	High	1	RF, LF, DQ, ST, T, SWW, ET, F, A, PH, TX, U	✓		
Shelbina 2023.1	Generator for shelters	Shelbina	High	1	RF, LF, DQ, ST, T, SWW, ET, F, A, PH, TX, U	✓		
Shelbina 2023.3	Warning Sirens	Shelbina	High	3	AH	✓	✓	
Shelbina 2023.4	Storm Water Drainage	Shelbina	High	3	F	✓	✓	
Shelbina 2023.5	Replace Aging PVC Gas Mains	Shelbina	High	3	RF, T, SWW, EQ	✓	✓	
Shelbyville 2023.1	Generator for shelters	Shelbyville	Med	1	RF, LF, DQ, ST, T, SWW, ET, F, A, PH, TX, U	✓		
North Shelby School District 2023.1	Build a tornado safe room	North Shelby School District	High	3	AH	✓	✓	
North Shelby School District 2023.2	Generator for school	North Shelby School District	High	1	RF, LF, DQ, ST, T, SWW, ET, F, A, PH, TX, U	✓		
North Shelby School District 2023.3	Two-Way Radios and Cameras	North Shelby School District	High	3	ET ST SWW T	✓	✓	

#	Action	Jurisdiction	Priority	Goals Addressed	Hazards Addressed	Address Current Development	Address Future Development	Continued Compliance with NFIP
Shelby County R-IV School District 2023.1	Build a tornado safe room	Shelby County R-IV School District	High	3	AH	✓		
	Natural Systems Protection							
Bethel 2023.2	Generator for Lagoon Pumps	Bethel	High	3	RF, LF, DQ, ST, T, SWW, ET, F, A, PH, TX, U	✓	✓	
	Emergency Services							
Shelby County 2023.1	Generator for shelters	Shelby County	High	1	RF, LF, DQ, ST, T, SWW, ET, F, A, PH, TX, U	✓		
Shelby County 2023.2	Generators for emergency communications	Shelby County	High	2	RF, LF, DQ, ST, T, SWW, ET, F, A, PH, TX, U	✓		
Shelby County 2023.2	Replace bridges and low water crossings and raise flood prone roads	Shelby County	High	3	F	✓	✓	
Bethel 2023.1	Generator for shelters	Bethel	High	1	RF, LF, DQ, ST, T, SWW, ET, F, A, PH, TX, U	✓		
Clarence 2023.1	Transfer switch for generator	Clarence	High	1	RF, LF, DQ, ST, T, SWW, ET, F, A, PH, TX, U	✓	✓	
Hunnewell 2023.1	Generator for shelters	Hunnewell	High	1	RF, LF, DQ, ST, T, SWW, ET, F, A, PH, TX, U	✓		

#	Action	Jurisdiction	Priority	Goals Addressed	Hazards Addressed	Address Current Development	Address Future Development	Continued Compliance with NFIP
Shelbina 2023.1	Generator for shelters	Shelbina	High	1	RF, LF, DQ, ST, T, SWW, ET, F, A, PH, TX, U	✓		
Shelbina 2023.2	Generators for emergency communications	Shelbina	High	2	RF, LF, DQ, ST, T, SWW, ET, F, A, PH, TX, U	✓		
Shelbyville 2023.1	Generator for shelters	Shelbyville	Med	1	RF, LF, DQ, ST, T, SWW, ET, F, A, PH, TX, U	✓		
North Shelby School District 2023.2	Generator for school	North Shelby School District	High	1	RF, LF, DQ, ST, T, SWW, ET, F, A, PH, TX, U	✓		
North Shelby School District 2023.3	Two-Way Radios and Cameras	North Shelby School District	High	3	ET ST SWW T	✓	✓	
PWSD #1 of Shelby 2023.1	Improve Cellular Connectivity	PWSD #1 of Shelby	High	2	AH	✓		

PREREQUISITES

44 CFR requirement 201.6(c)(5): The local hazard mitigation plan shall include documentation that the plan has been formally adopted by the governing body of the jurisdiction requesting approval of the plan. For multi-jurisdictional plans, each jurisdiction requesting approval of the plan must document that it has been formally adopted.

This plan has been reviewed by and adopted with resolutions or other documentation of adoption by all participating jurisdictions and schools/special districts. The documentation of each adoption is included in Appendix D, and a model resolution is included on the following page.

The jurisdictions listed in the Executive Summary participated in the development of this plan and have adopted the multi-jurisdictional plan.

Model Resolution

(LOCAL GOVERNING BODY/SCHOOL DISTRICT), Missouri RESOLUTION NO. _____

A RESOLUTION OF THE (LOCAL GOVERNING BODY /SCHOOL DISTRICT) ADOPTING THE (PLAN NAME)

WHEREAS the (local governing body/school district) recognizes the threat that natural hazards pose to people and property within the (local governing body/school district); and

WHEREAS the (local governing body/school district) has participated in the preparation of a multi-jurisdictional local hazard mitigation plan, hereby known as the (plan name), hereafter referred to as the Plan, in accordance with the Disaster Mitigation Act of 2000; and

WHEREAS the Plan identifies mitigation goals and actions to reduce or eliminate long-term risk to people and property in the (local governing body/school district) from the impacts of future hazards and disasters; and

WHEREAS the (local governing body) recognizes that land use policies have a major impact on whether people and property are exposed to natural hazards, the (local governing body/school district) will endeavor to integrate the Plan into the comprehensive planning process; and

WHEREAS adoption by the (local governing body/school district) demonstrates their commitment to hazard mitigation and achieving the goals outlined in the Plan.

NOW THEREFORE, BE IT RESOLVED BY THE (LOCAL GOVERNMENT/SCHOOL DISTRICT), in the State of Missouri, THAT:

In accordance with (local rule for adopting resolutions), the (local governing body/school district) adopts the final FEMA-approved Plan.

ADOPTED by a vote of _____in favor and __against, and __abstaining, this _____day of _____, _____.

By (Sig): _____
Print name: _____

ATTEST:
By (Sig.): _____
Print name: _____

APPROVED AS TO FORM:
By (Sig.): _____
Print name: _____