

CONTRIBUTORS

Pike County Hazard Mitigation Planning Committee

Jurisdictional Representatives

Name		Title	Department	Jurisdiction/Agency/Organization
Chris	Gamm	Presiding Commissioner	Administration	Pike County
Bill	Allen	Commissioner	Administration	Pike County
Tom	Wallace	Commissioner	Administration	Pike County
Linda	Luebrecht	City Administrator	Administration	City of Bowling Green
Memarie	Gonzalez	City Clerk	Administration	City of Louisiana
Jennifer	Calvin*	City Clerk	Administration	City of Clarksville
Richard	Murray	Emergency Management Director	Administration	Pike County
Martin	Hanley*	Director	Administration	Pike County R-III School
Matthew	Frederickson*	Superintendent	Administration	Bowling Green R-I School
Stephen	Hunter*	Asst. Superintendent	Administration	Bowling Green R-I School
Todd	Smith*	Superintendent	Administration	Louisiana R-II School
WM	Sheppard	Commissioner	Administration	Mudlick Prairie Levee District and Pike Grain Drainage and Levee Dist.

*participated via phone and email and provided necessary documentation to be included in the plan.

Stakeholder Representatives

Name		Title	Department	Agency/Organization
Dan	Redington	Warden	MO Department of Corrections	Northeast Correctional Center
Taya	Sheppard	Coordinator	Water and Levee	Mudlick Prairie Levee District and Pike Grain Drainage and Levee Dist.
Richard	Murray	Director	Emergency Management	Pike County

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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. Pike 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 on May 24, 2017. 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 Pike County
- City of Bowling Green
- City of Louisiana
- City of Clarksville
- Bowling Green R-I School District
- Louisiana R-II School District
- Pike County R-III School District
- Mudlick Prairie Levee District
- Pike Grain Drainage and Levee District

The City of Curryville, City of Frankford, Village of Annada, Village of Paynesville, Boncl R-5 School District, and Pike County Public Water Supply District were 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 school district again will be invited again to participate.

Pike County and the entities listed above developed a Multi-Jurisdictional Hazard Mitigation Plan that was approved by FEMA on May 24, 2017 (hereafter referred to as the *2017 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 Pike County and participating jurisdictions. The MPC updated the risk assessment that identified and profiled hazards that pose a risk to Pike 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: Protect the lives and livelihood of all the citizens.

Goal 2: Decrease the impact of natural hazards.

Goal 3: Ensure continued operation of government and emergency function in a disaster.

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 Public Education								
Bowling Green 2021.2	Storm Shelter/Safe Room	Bowling Green	High	1, 2, 3	Severe Thunderstorms, Tornadoes, Wind Storms	✓		
Bowling Green R-I 2021.1	Storm Shelter/Safe Room	Bowling Green R-I	High	1, 2, 3	Severe Thunderstorms, Tornadoes, Wind Storms	✓		
Louisiana R-II 2021.1	Storm Shelter/Safe Room	Louisiana R-II	High	1, 2, 3	Severe Thunderstorms, Tornadoes, Wind Storms	✓		
Pike County R-III 2021.1	Storm Shelter/Safe Room	Pike County R-III	High	1, 2, 3	Severe Thunderstorms, Tornadoes, Wind Storms	✓		
Clarksville 2021.2	Generator for Shelters/Critical Facilities	Clarksville	High	1, 2	Extreme Temperature, Severe Thunderstorms, Severe Winter Weather, Tornado	✓		
Clarksville 2021.3	Flood Protection System	Clarksville	High	1, 2	Flooding	✓	✓	
Louisiana 2021.2	Generator for Shelters/Critical Facilities	Louisiana	High	1, 2	Extreme Temperature, Severe Thunderstorms, Severe Winter Weather, Tornado	✓		
Louisiana 2021.3	Local Cable Channel	Louisiana	High	1	All Hazards	✓		
Louisiana 2021.4	Installation/Upgrade Sirens	Louisiana	High	1	All Hazards	✓		
Pike County R-III 2021.2	Warning/Alarm System	Pike County R-III	High	1	All Hazards	✓		

#	Action	Jurisdiction	Priority	Goals Addressed	Hazards Addressed	Address Current Development	Address Future Development	Continued Compliance with NFIP
Pike County R-III 2021.3	Fire Alarm/Suppression System	Pike County R-III	High	1	Wildfire	✓		
Pike County R-III 2021.4	Campus Improvements	Pike County R-III	High	1, 2, 3	Extreme Temperatures, Severe Thunderstorms, Severe Winter Weather, Tornadoes	✓		
Mudlick Prairie 2021.1	Flood and Levee Mitigation	Mudlick Prairie Levee District	High	1, 2, 3	Flooding, Levee Failure	✓		
Pike Grain 2021.1	Flood and Levee Mitigation	Pike Grain Drainage District	High	1, 2, 3	Flooding, Levee Failure	✓		
	Structure and Infrastructure Projects							
Pike County 2021.1	NFIP Participation	Pike County	High	1, 2	Flooding	✓		✓
Bowling Green 2021.1	NFIP Participation	Bowling Green	High	1, 2	Flooding	✓		✓
Louisiana 2021.1	NFIP Participation	Louisiana	High	1, 2	Flooding	✓		✓
Clarksville 2021.1	NFIP Participation	Clarksville	High	1, 2	Flooding	✓		✓
Pike County 2021.2	Emergency Operations Center	Pike County	High	1	All Hazards	✓		
Pike County 2021.3	Housing Raising	Pike County	High	1	Flooding	✓		
Bowling Green 2021.2	Storm Shelter/Safe Room	Bowling Green	High	1, 2, 3	Severe Thunderstorms, Tornadoes, Wind Storms	✓		
Bowling Green R-I 2021.1	Storm Shelter/Safe Room	Bowling Green R-I	High	1, 2, 3	Severe Thunderstorms, Tornadoes, Wind Storms	✓		

#	Action	Jurisdiction	Priority	Goals Addressed	Hazards Addressed	Address Current Development	Address Future Development	Continued Compliance with NFIP
Louisiana R-II 2021.1	Storm Shelter/Safe Room	Louisiana R-II	High	1, 2, 3	Severe Thunderstorms, Tornadoes, Wind Storms	✓		
Pike County R-III 2021.1	Storm Shelter/Safe Room	Pike County R-III	High	1, 2, 3	Severe Thunderstorms, Tornadoes, Wind Storms	✓		
Clarksville 2021.2	Generator for Shelters/Critical Facilities	Clarksville	High	1, 2	Extreme Temperature, Severe Thunderstorms, Severe Winter Weather, Tornado	✓		
Clarksville 2021.3	Flood Protection System	Clarksville	High	1, 2	Flooding	✓	✓	
Louisiana 2021.2	Generator for Shelters/Critical Facilities	Louisiana	High	1, 2	Extreme Temperature, Severe Thunderstorms, Severe Winter Weather, Tornado	✓		
Louisiana 2021.3	Local Cable Channel	Louisiana	High	1	All Hazards	✓		
Louisiana 2021.4	Installation/Upgrade Sirens	Louisiana	High	1	All Hazards	✓		
Pike County R-III 2021.2	Warning/Alarm System	Pike County R-III	High	1	All Hazards	✓		
Pike County R-III 2021.3	Fire Alarm/Suppression System	Pike County R-III	High	1	Wildfire	✓		
Pike County R-III 2021.4	Campus Improvements	Pike County R-III	High	1, 2, 3	Extreme Temperatures, Severe Thunderstorms, Severe Winter Weather, Tornadoes	✓		
Mudlick Prairie 2021.1	Flood and Levee Mitigation	Mudlick Prairie Levee District	High	1, 2, 3	Flooding, Levee Failure	✓		

#	Action	Jurisdiction	Priority	Goals Addressed	Hazards Addressed	Address Current Development	Address Future Development	Continued Compliance with NFIP
Pike Grain 2021.1	Flood and Levee Mitigation	Pike Grain Drainage District	High	1, 2, 3	Flooding, Levee Failure	✓		
Natural Systems Protection								
Pike County 2021.1	NFIP Participation	Pike County	High	1, 2	Flooding	✓		✓
Bowling Green 2021.1	NFIP Participation	Bowling Green	High	1, 2	Flooding	✓		✓
Louisiana 2021.1	NFIP Participation	Louisiana	High	1, 2	Flooding	✓		✓
Clarksville 2021.1	NFIP Participation	Clarksville	High	1, 2	Flooding	✓		✓
Emergency Services								
Pike County 2021.1	NFIP Participation	Pike County	High	1, 2	Flooding	✓		✓
Bowling Green 2021.1	NFIP Participation	Bowling Green	High	1, 2	Flooding	✓		✓
Louisiana 2021.1	NFIP Participation	Louisiana	High	1, 2	Flooding	✓		✓
Clarksville 2021.1	NFIP Participation	Clarksville	High	1, 2	Flooding	✓		✓
Pike County 2021.2	Emergency Operations Center	Pike County	High	1	All Hazards	✓		
Pike County 2021.3	Housing Raising	Pike County	High	1	Flooding	✓		
Bowling Green 2021.2	Storm Shelter/Safe Room	Bowling Green	High	1, 2, 3	Severe Thunderstorms, Tornadoes, Wind Storms	✓		
Bowling Green R-I 2021.1	Storm Shelter/Safe Room	Bowling Green R-I	High	1, 2, 3	Severe Thunderstorms, Tornadoes, Wind Storms	✓		
Louisiana R-II 2021.1	Storm Shelter/Safe Room	Louisiana R-II	High	1, 2, 3	Severe Thunderstorms, Tornadoes, Wind Storms	✓		

#	Action	Jurisdiction	Priority	Goals Addressed	Hazards Addressed	Address Current Development	Address Future Development	Continued Compliance with NFIP
Pike County R-III 2021.1	Storm Shelter/Safe Room	Pike County R-III	High	1, 2, 3	Severe Thunderstorms, Tornadoes, Wind Storms	✓		
Clarksville 2021.2	Generator for Shelters/Critical Facilities	Clarksville	High	1, 2	Extreme Temperature, Severe Thunderstorms, Severe Winter Weather, Tornado	✓		
Clarksville 2021.3	Flood Protection System	Clarksville	High	1, 2	Flooding	✓	✓	
Louisiana 2021.2	Generator for Shelters/Critical Facilities	Louisiana	High	1, 2	Extreme Temperature, Severe Thunderstorms, Severe Winter Weather, Tornado	✓		
Louisiana 2021.3	Local Cable Channel	Louisiana	High	1	All Hazards	✓		
Louisiana 2021.4	Installation/Upgrade Sirens	Louisiana	High	1	All Hazards	✓		
Mudlick Prairie 2021.1	Flood and Levee Mitigation	Mudlick Prairie Levee District	High	1, 2, 3	Flooding, Levee Failure	✓		
Pike Grain 2021.1	Flood and Levee Mitigation	Pike Grain Drainage District	High	1, 2, 3	Flooding, Levee Failure	✓		
Pike County R-III 2021.2	Warning/Alarm System	Pike County R-III	High	1	All Hazards	✓		
Pike County R-III 2021.3	Fire Alarm/Suppression System	Pike County R-III	High	1	Wildfire	✓		
Pike County R-III 2021.4	Campus Improvements	Pike County R-III	High	1, 2, 3	Extreme Temperatures, Severe Thunderstorms, Severe Winter Weather, Tornadoes	✓		

#	Action	Jurisdiction	Priority	Goals Addressed	Hazards Addressed	Address Current Development	Address Future Development	Continued Compliance with NFIP
	Education and Outreach							
Pike County 2021.1	NFIP Participation	Pike County	High	1, 2	Flooding	✓		✓
Bowling Green 2021.1	NFIP Participation	Bowling Green	High	1, 2	Flooding	✓		✓
Louisiana 2021.1	NFIP Participation	Louisiana	High	1, 2	Flooding	✓		✓
Clarksville 2021.1	NFIP Participation	Clarksville	High	1, 2	Flooding	✓		✓

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 C, 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: _____