

Appendix B

Planning Process

Anna Gill

From: Anna Gill
Sent: Wednesday, September 22, 2021 2:55 PM
To: 'Jennifer Calvin'; 'Walter Haddock'; 'Linda Luebrecht'; 'Marilyn Frazer'; 'smitht@louisiana.k12.mo.us'; 'superintendent@clopton.k12.mo.us'; 'lhenson@bonclbluejays.com'; 'hanleym@pltc.edu'; 'joannehammuck@yahoo.com'; 'City Clerk'; 'mfredrickson@bgschools.k12.mo.us'; 'Pike Clerk'; 'Chris Gamm'; 'twallace@pikecounty-mo.gov'; 'Bill Allen'
Cc: Cindy Hultz; Devyn Campbell
Subject: Pike County Multi-Jurisdictional Hazard Mitigation Plan Update

Subject: Pike County Multi-Jurisdictional Hazard Mitigation Plan Update

Please confirm your attendance or provide contact information for your designated alternate by responding to Anna Gill at 573-565-2203 or agill@marktwaincog.com

On behalf of Pike County, you are invited to a planning meeting to update the Pike County Multi-Jurisdictional Hazard Mitigation Plan.

Pike County Multi-Jurisdictional Hazard Mitigation Plan Update
Planning Meeting
October 4, 2021
Meeting Time: 9:00 a.m.
Place: Pike County Fairgrounds Building
Address: 15884 US-54, Bowling Green, Missouri

Pike County is beginning the process to update the Pike County Multi-Jurisdictional Hazard Mitigation Plan to better protect the people and property of Pike County from the effects of natural hazard events. The existing plan was approved by FEMA in December 2016. The plan update will be prepared pursuant to the requirements of the Disaster Mitigation Act of 2000 (Public Law 106-390) and the implementing regulations. These regulations establish the requirements that hazard mitigation plans must meet in order for Pike County and the participating jurisdictions, to be eligible for certain federal disaster assistance and hazard mitigation funding under the Robert T. Stafford Disaster Relief and Emergency Act (Public Law 93-288). Because Pike County is subject to many kinds of hazards, access to these federal programs is vital.

What is a Hazard Mitigation Plan?

A hazard mitigation plan is the result of a planning process which identifies policies and actions that can be implemented over the long term to reduce the risk and future losses resulting from hazard events. The Pike County Multi-Jurisdictional Hazard Mitigation Plan Update will address a comprehensive list of natural hazards likely to impact the County. The identified mitigation policies and actions will be based on an assessment of hazards, vulnerabilities, and risks.

The hazard mitigation planning process is also heavily dependent on the participation of representatives from local government agencies and departments, the public, and other stakeholder groups. A Hazard Mitigation Planning Committee will be formed to support this project and will include representatives from the County, cities, school districts, private-non-profit entities, business partners, academic institutions, and other local, state, and federal agencies acting in or serving Pike County.

What is My Role in the Planning Process?

The Mark Twain Regional Council of Governments has taken the lead in updating this plan. The point of contact is Cindy Hultz, Executive Director. To successfully complete this project and ensure your organization is eligible for FEMA hazard mitigation assistance funding, we need your participation and input. Jurisdictions (including county and city governments and public school districts) that do not participate in an approved Hazard Mitigation Plan are NOT eligible to apply for FEMA's Hazard Mitigation Assistance grants. Participation in the planning process will include:

- Attending and contributing in the planning committee meeting;
- Providing requested data (as available);
- Reviewing and providing comments on plan drafts;
- Advertising, coordinating, and participating in the public input process; and
- Coordinating the formal adoption of the plan.

What can I expect for the planning committee meeting?

The planning committee will be provided with information on what activities are required to be performed and included in the plan. Required activities include the following:

- Required Activities Include: Participating jurisdictions will be required to complete as much of the data questionnaire as possible, complete critical/essential facilities and non-governments employer form. Review planning meeting PowerPoint including federal planning requirements. Review project timeline.
- Risk Assessment: Review and provide comments on the risk assessment.
- Mitigation Strategy: Updating of existing mitigation actions and identification and development of new mitigation strategies based upon the risk assessment will be completed.

Thanks,

Anna Gill

**Mark Twain Regional Council of Governments
Community Planner**

42494 Delaware Lane
Perry, MO 63462
573-565-2203



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Audrain

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42494 Delaware Lane

Perry, MO 63462

Subject: Pike County Multi-Jurisdictional Hazard Mitigation Plan Meeting

On behalf of Pike County, you are invited to the planning meeting to develop the update to the Pike County Multi-Jurisdictional Hazard Mitigation Plan. Since your business/agency/entity is directly or indirectly connected to Pike County mitigation activities, you are considered to be a stakeholder in the process. As a stakeholder in Mitigation Planning, you are invited to the upcoming planning meeting. This meeting will focus on updating the mitigation strategy. Mitigation actions, which make up the strategy, are specific activities that can be undertaken in advance to reduce the impacts of hazards.

During the meeting, we will discuss key issues from the risk assessment and participate in a facilitated discussion of the mitigation strategy. This discussion will cover continuing mitigation actions identified in the previous plan as well as identification of any new mitigation actions that should be added to the mitigation strategy to ensure a comprehensive approach to hazard mitigation. In addition, action implementation details will be discussed for both continuing and new actions.

Pike County Multi-Jurisdictional Hazard Mitigation Plan Update Planning Meeting

October 4, 2021

Meeting Time: 9:00 a.m.

Place: Pike County Fairgrounds Building

Address: 15884 US-54, Bowling Green, Missouri

The Disaster Mitigation Act of 2000 requires counties, municipalities, school districts, and other jurisdictions to participate in an approved Hazard Mitigation Plan to be eligible for certain federal hazard mitigation funding programs. To qualify as a participant in the plan, authorized representatives for each jurisdiction must participate in development of the plan update. It is essential for the county, incorporated cities, and public school districts to send at least one individual to the planning meeting detailed above. If you will be unable to attend, please ensure that someone else from your jurisdiction is designated to attend.

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Thanks,

Anna Gill

**Mark Twain Regional Council of Governments
Community Planner**

42494 Delaware Lane

Perry, MO 63462

573-565-2203

agill@marktwaincog.com

Anna Gill

From: Anna Gill
Sent: Wednesday, September 22, 2021 3:06 PM
To: 'murrya@louisiana.k12.mo.us'; 'mikeandchar@usa.com'; 'dnacke@bowlinggreenmo.gov'; 'mb1ec4@yahoo.com'; 'dbrown@cuivre.com'; 'pikeco911@sbcglobal.net'; 'bgfd@bowlinggreen-mo.gov'; 'eoliafire@windstream.net'; 'pwsd12019@sbcglobal.net'; 'pikehighway@yahoo.com'; 'asweet@ameren.com'; 'Kdunkle@truemfg.com'
Cc: Cindy Hultz; Devyn Campbell
Subject: Pike County Multi-Jurisdictional Hazard Mitigation Plan Meeting
Importance: High

Subject: Pike County Multi-Jurisdictional Hazard Mitigation Plan Meeting

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Thanks,
Anna Gill
Mark Twain Regional Council of Governments
Community Planner

42494 Delaware Lane
Perry, MO 63462
573-565-2203

Pike County
Multi-Jurisdictional Hazard Mitigation Plan Update
Planning Meeting
October 4, 2021
9:00 a.m.

AGENDA

Welcome/Introductions: Devyn Campbell, Fiscal Officer
Mark Twain Regional Council of Governments

Hazard Mitigation Planning Purpose

Grant Programs Linked to Approved Plan

Planning Tasks/Multijurisdictional Approach

Participation Requirement

Public Involvement/Comments

Data Collection Questionnaires

Discussion of Hazards

Critical Facility Inventory

Plan Update Format

Sample Results of Countywide Risk Assessment Update

Update Mitigation Goals

Mitigation Action Updates

Update the Mitigation Strategy

 Status of Previous Actions

 Development of New Actions

 Prioritization of Mitigation Actions

Plan Maintenance

Hazard Mitigation Assistance Grants

Next Steps

Update actions that apply to your jurisdiction

- Completed – provide date completed and funding amount if applicable
- KEEP Not Started – provide details on any plans made to initiate action
- KEEP In-Progress – provide details on progress made to-date
- KEEP Modify – provide details on changes/updates to the action
- Delete – provide reason for deleting

Discuss with other representatives from your jurisdiction.

Be careful to distinguish between response actions (actions after event) and mitigation actions (actions before an event that reduce or eliminate need for response)

Actions should be SMART: specific, measurable, achievable, relevant, time bound

Action Worksheet	
Name of Jurisdiction:	
Risk / Vulnerability	
Hazard(s) Addressed:	
Problem being Mitigated:	
Action or Project	
Applicable Goal Statement:	
Action/Project Number:	
Name of Action or Project:	
Mitigation Category:	
Action or Project Description:	
Estimated Cost:	
Benefits:	
Plan for Implementation	
Responsible Organization/Department:	
Supporting Organization/Department:	
Action/Project Priority:	
Timeline for Completion:	
Potential Fund Sources:	
Local Planning Mechanisms to be Used in Implementation, if any:	
Progress Report	
Action Status:	
Report of Progress:	

Action No:	PCHM1701
Description	A safe room/storm shelter will be constructed to protect individuals in the school and community.
Jurisdictions Selecting the Action:	Louisiana R- II, Boncl R-5, Pike Co. R-III/Pike-Lincoln Tech County of Pike
Responsible Agency/Party:	Superintendent
Problem to be Mitigated:	Injury and death resulting from the destructive wind storms of tornados.
Applicable Goal(s):	Goal 1: Protect the lives and livelihood of all the citizens
Hazards Addressed:	ST T
Estimated Cost:	\$2,000,000
Potential Funding Sources:	HMPG, PDN
Cost/Benefit Discussion:	This was not discussed
Prioritization Discussion:	STAPLEE Average Score of 38
Priority:	High
Timeline for Implementation/ Completion:	2017-2020
Status of Action:	New
Report of Progress:	Annually
Action No:	PCHM1702
Description	Post education brochures throughout the community and businesses to educate the community on how to protect themselves from natural occurring hazards.
Jurisdictions Selecting the Action:	City of Frankford City of Curryville City of Clarksville City of Louisiana
Responsible Agency/Party:	City Administration, Code Enforcement
Problem to be Mitigated:	Protect citizens from all natural hazards.
Applicable Goal(s):	Goal 1: Protect the lives and livelihoods of all the citizens.
Hazards Addressed:	AH
Estimated Cost:	\$1,000
Potential Funding Sources:	County/City General Fund
Cost/Benefit Discussion:	This was not discussed
Prioritization Discussion:	Average STAPLEE Score 34
Priority:	High
Timeline for Implementation/ Completion:	2017/18
Status of Action:	Continuing
Report of Progress:	Annually
Action No:	PCHM1703
Description	Obtain funding to purchase a storm warning siren.
Jurisdictions Selecting the Action:	City of Frankford City of Curryville City of Louisiana
Responsible Agency/Party:	City Administration, Police, Fire and County 911
Problem to be Mitigated:	Protect and alert citizens in the event of a tornado.
Applicable Goal(s):	Goal 1: Protect the lives and livelihoods of all the citizens.
Hazards Addressed:	T
Estimated Cost:	\$25,000 to \$100,000
Potential Funding Sources:	General Revenue
Cost/Benefit Discussion:	This was not discussed
Prioritization Discussion:	STAPLEE Average Score of 37
Priority:	High
Timeline for Implementation/ Completion:	2020
Status of Action:	Continuing
Report of Progress:	Annually

<p>Action No: Description</p> <p>Jurisdictions Selecting the Action: Responsible Agency/Party: Problem to be Mitigated: Applicable Goal(s): Hazards Addressed: Estimated Cost: Potential Funding Sources: Cost/Benefit Discussion: Prioritization Discussion: Priority: Timeline for Implementation/ Completion: Status of Action: Report of Progress:</p>	<p>PCHM1703 Establish a cooling/heat center for citizens in the event of extreme heat or cold weather</p> <p>City of Frankford City of Curryville City of Bowling Green City Administration Protect citizens during the event of severe hea or cold weather. Goal 1: Protect the lives and livelihoods of all the citizens. EHD, WW \$10,000 General Revenue This was not discussed STAPLEE Average Score of 31 High 2020 Continuing Annually</p>
<p>Action No: Description</p> <p>Jurisdictions Selecting the Action: Responsible Agency/Party: Problem to be Mitigated: Applicable Goal(s): Hazards Addressed: Estimated Cost: Potential Funding Sources: Cost/Benefit Discussion: Prioritization Discussion: Priority: Timeline for Implementation/ Completion: Status of Action: Report of Progress</p>	<p>PCHM1704 Promote NOAA radio use</p> <p>City of Clarksville City Administration Warn citizens when there is a threat of severe weather. Goal 1: Protect the lives and livelihoods of all the citizens. AH \$1,000 General Revenue This was not discussed STAPLEE Score of 31 High 2019 Continuing Annually</p>
<p>Action No: Description</p> <p>Jurisdictions Selecting the Action: Responsible Agency/Party: Problem to be Mitigated: Applicable Goal(s): Hazards Addressed: Estimated Cost: Potential Funding Sources: Cost/Benefit Discussion: Prioritization Discussion: Priority: Timeline for Implementation/ Completion: Status of Action: Report of Progress:</p>	<p>PCHM1705 Back-Up Generator</p> <p>City of Clarksville City of Louisiana City Administration Provide power to citizens when there is power failure. Goal 1: Protect the lives and livelihoods of all the citizens. AH \$20,000 to \$250,000 General Revenue This was not discussed STAPLEE Average Score of 38 High 2020 Continuing Annually</p>
<p>Action No: Description</p> <p>Jurisdictions Selecting the Action: Responsible Agency/Party:</p>	<p>PCHM1706 Install Local Cable Channel</p> <p>City of Louisiana City Administration, Police and Fire Departments</p>

Problem to be Mitigated:	Emergency Warning System
Applicable Goal(s):	Goal 1: Protect the lives and livelihoods of all the citizens.
Hazards Addressed:	AH
Estimated Cost:	\$250,000
Potential Funding Sources:	N/A
Cost/Benefit Discussion:	Prevent loss of life and property damages
Prioritization Discussion:	STAPLEE Score of 44
Priority:	High
Timeline for Implementation/ Completion:	2018
Status of Action:	Not started
Report of Progress:	Annually

Action No:**PCHM1707****Description****Local Business EOP**

Jurisdictions Selecting the Action:

City of Louisiana

Responsible Agency/Party:

City Code Enforcement

Problem to be Mitigated:

Encourage local businesses to have EOP during commercial property inspections

Applicable Goal(s):

Goal 1: Protect the lives and livelihoods of all the citizens.

Hazards Addressed:

AH

Estimated Cost:

\$1,000

Potential Funding Sources:

General Revenue

Cost/Benefit Discussion:

This was not discussed

Prioritization Discussion:

STAPLEE Score of 46

Priority:

High

Timeline for Implementation/ Completion:

2018

Status of Action:

Continuing

Report of Progress

Annually

Action No:**PCHM1708****Description****Inspect and Maintain Levees**

Jurisdictions Selecting the Action:

County of Pike

Responsible Agency/Party:

County EMD, Floodplain manager

Problem to be Mitigated:

Flooding

Applicable Goal(s):

Goal 1: Protect the lives and livelihoods of all the citizens.

Hazards Addressed:

AH

Estimated Cost:

\$2,000

Potential Funding Sources:

General Revenue

Cost/Benefit Discussion:

This was not discussed

Prioritization Discussion:

STAPLEE Score of 43

Priority:

High

Timeline for Implementation/ Completion:

2018

Status of Action:

Continuing

Report of Progress

Annually

<p>Action No: Description Jurisdictions Selecting the Action: Responsible Agency/Party: Problem to be Mitigated:</p> <p>Applicable Goal(s): Hazards Addressed: Estimated Cost: Potential Funding Sources: Cost/Benefit Discussion: Prioritization Discussion: Priority: Timeline for Implementation/ Completion: Status of Action: Report of Progress:</p>	<p>PCHM1709 Surface Water Drainage County of Pike County Road and Bridge, EMD, Floodplain manager Identify surface water drainage obstructions, bridge improvements and bank stabilizations. Goal 1: Protect the lives and livelihoods of all the citizens. AH \$5,000 General Revenue This was not discussed STAPLEE Score of 39 High 2020 Continuing Annually</p>
<p>Action No: Description Jurisdictions Selecting the Action: Responsible Agency/Party: Problem to be Mitigated:</p> <p>Applicable Goal(s): Hazards Addressed: Estimated Cost: Potential Funding Sources: Cost/Benefit Discussion: Prioritization Discussion: Priority: Timeline for Implementation/ Completion: Status of Action: Report of Progress:</p>	<p>PCHM1710 Emergency Operations Center County of Pike County, Sheriff's office, EMD Evaluate and update the emergency operations center as needed. Goal 1: Protect the lives and livelihoods of all the citizens. AH \$250,000 General Revenue This was not discussed STAPLEE Score of 41 High 2020 Continuing Annually</p>
<p>Action No: Description Jurisdictions Selecting the Action: Responsible Agency/Party: Problem to be Mitigated:</p> <p>Applicable Goal(s): Hazards Addressed: Estimated Cost: Potential Funding Sources: Cost/Benefit Discussion: Prioritization Discussion: Priority: Timeline for Implementation/ Completion: Status of Action: Report of Progress:</p>	<p>PCHM1711 Promote NOAA Radio Use and Group Cast County of Pike County, Sheriff's office, EMD Promote NOAA Radio use and group cast through educational brochures. Goal 1: Protect the lives and livelihoods of all the citizens. AH \$5,000 General Revenue This was not discussed STAPLEE Score of 43 High 2018 Continuing Annually</p>

Action No:**Description**

Jurisdictions Selecting the Action:
Responsible Agency/Party:
Problem to be Mitigated:

Applicable Goal(s):

Hazards Addressed:

Estimated Cost:

Potential Funding Sources:

Cost/Benefit Discussion:

Prioritization Discussion:

Priority:

Timeline for Implementation/ Completion:

Status of Action:

Report of Progress

PCHM1712**House Raising in Floodplain**

County of Pike

County, Floodplain

Elevate homes below ord. 60.3 levels. Includes homes below 100 year level & 2 feet.

Goal 1: Protect the lives and livelihoods of all the citizens.

AH

\$300,000

General Revenue

This was not discussed

STAPLEE Score of 43

High

2027

Continuing

Annually

Action No:**Description**

Jurisdictions Selecting the Action:

Responsible Agency/Party:

Problem to be Mitigated:

Applicable Goal(s):

Hazards Addressed:

Estimated Cost:

Potential Funding Sources:

Cost/Benefit Discussion:

Prioritization Discussion:

Priority:

Timeline for Implementation/ Completion:

Status of Action:

Report of Progress

PCHM1713**After Event Shelters**

City of Bowling Green

HMC

After event shelter for those affected by natural hazard. Obtain sufficient back-up generators for after the event shelters.

Goal 1: Protect the lives and livelihoods of all the citizens.

AH, T, S

\$20,000 - \$30,000

Local funding

This was not discussed

STAPLEE Score of 38

High

2027

Continuing

Annually

Action No:**Description**

Jurisdictions Selecting the Action:

Responsible Agency/Party:

Problem to be Mitigated:

Applicable Goal(s):

Hazards Addressed:

Estimated Cost:

Potential Funding Sources:

Cost/Benefit Discussion:

Prioritization Discussion:

Priority:

Timeline for Implementation/ Completion:

Status of Action:

Report of Progress

PCHM1714**Education**

City of Bowling Green

HMC, Media

Education on how to prepare for emergencies. Add helpful information to the City of Bowling Green website.

Goal 1: Protect the lives and livelihoods of all the citizens.

AH, T, S, EQ

\$1,000

Local funding

Public awareness, partnership, structural

STAPLEE Score of 41

High

3 years

Continuing

Annually

Action No:	PCHM1715
Description	Transportation Infrastructure
Jurisdictions Selecting the Action:	City of Bowling Green
Responsible Agency/Party:	Street Dept.
Problem to be Mitigated:	Maintain streets, look at potential areas that have flash flooding issues.
Applicable Goal(s):	Goal 1: Protect the lives and livelihoods of all the citizens.
Hazards Addressed:	AH
Estimated Cost:	\$1,000
Potential Funding Sources:	Local funding
Cost/Benefit Discussion:	This was not discussed
Prioritization Discussion:	STAPLEE Score of 36
Priority:	High
Timeline for Implementation/ Completion:	On-going
Status of Action:	Continuing
Report of Progress	Annually

Action No:	PCHM1716
Description	Emergency Exercises
Jurisdictions Selecting the Action:	City of Bowling Green
Responsible Agency/Party:	Emergency Operation Personnel, Police, Fire Departments
Problem to be Mitigated:	Participate in County and Regional exercises as well as the prison and True Manufacturing mock accident and fire drills
Applicable Goal(s):	Goal 1: Protect the lives and livelihoods of all the citizens.
Hazards Addressed:	AH,
Estimated Cost:	\$1,000
Potential Funding Sources:	Local funding
Cost/Benefit Discussion:	This was not discussed
Prioritization Discussion:	STAPLEE Score of 35
Priority:	High
Timeline for Implementation/ Completion:	On-going
Status of Action:	Continuing
Report of Progress	Annual

Action No:	PCHM1717
Description	Mutual Aid
Jurisdictions Selecting the Action:	City of Bowling Green
Responsible Agency/Party:	Police Department, Fire Department, HMC
Problem to be Mitigated:	Maintain mutual aid with surrounding communities.
Applicable Goal(s):	Goal 1: Protect the lives and livelihoods of all the citizens.
Hazards Addressed:	AH
Estimated Cost:	\$1,000
Potential Funding Sources:	Local funding
Cost/Benefit Discussion:	This was not discussed
Prioritization Discussion:	STAPLEE Score of 45
Priority:	High
Timeline for Implementation/ Completion:	On-going
Status of Action:	Continuing
Report of Progress	Annually

Action No:**Description**

Jurisdictions Selecting the Action:
 Responsible Agency/Party:
 Problem to be Mitigated:
 Applicable Goal(s):
 Hazards Addressed:
 Estimated Cost:
 Potential Funding Sources:
 Cost/Benefit Discussion:
 Prioritization Discussion:
 Priority:
 Timeline for Implementation/ Completion:
 Status of Action:
 Report of Progress

PCHM1718**Emergency Warning**

City of Bowling Green
 Emergency Operation personnel, police, fire, hmc
 Test storm warning sirens 1st Monday of each month.
 Goal 1: Protect the lives and livelihoods of all the citizens.
 AH, T, S
 \$1,000
 Local funding
 This was not discussed
 STAPLEE Score of 38
 High
 On-going
 Continuing, all sirens are in place.
 Annual

Action No:**Description**

Jurisdictions Selecting the Action:
 Responsible Agency/Party:
 Problem to be Mitigated:

 Applicable Goal(s):
 Hazards Addressed:
 Estimated Cost:
 Potential Funding Sources:
 Cost/Benefit Discussion:
 Prioritization Discussion:
 Priority:
 Timeline for Implementation/ Completion:
 Status of Action:
 Report of Progress

PCHM1719**Knox Box**

City of Bowling Green
 Emergency Operation personnel, police, fire, hmc
 Encourage all commercial businesses to install "knox" box that holds a key for access by the Fire Department in an emergency.
 Goal 1: Protect the lives and livelihoods of all the citizens.
 AH
 \$1,000
 Local funding
 This was not discussed
 STAPLEE Score of 27
 Medium
 On-going
 Continuing, all sirens are in place.
 Annually, will include on any new building permit application

Action No:**Description**

Jurisdictions Selecting the Action:
 Responsible Agency/Party:
 Problem to be Mitigated:

 Applicable Goal(s):
 Hazards Addressed:
 Estimated Cost:
 Potential Funding Sources:
 Cost/Benefit Discussion:
 Prioritization Discussion:
 Priority:
 Timeline for Implementation/ Completion:
 Status of Action:
 Report of Progress

PCHM1720**Tree and debris removal**

City of Bowling Green
 HMC, Ameren Missouri
 Work with Ameren Missouri to remove trees and debris from interfering with power lines.
 Goal 1: Protect the lives and livelihoods of all the citizens.
 T/S, WW
 \$5,000
 Local funding
 This was not discussed
 STAPLEE Score of 44
 High
 On-going
 Continuing
 Annually

Action No:	PCHM1721
Description	Flooding
Jurisdictions Selecting the Action:	City of Bowling Green
Responsible Agency/Party:	Floodplain Manager, HMC
Problem to be Mitigated:	Maintain, enforce and update floodplain ordinance as needed.
Applicable Goal(s):	Goal 1: Protect the lives and livelihoods of all the citizens.
Hazards Addressed:	F
Estimated Cost:	\$1,000
Potential Funding Sources:	Local funding
Cost/Benefit Discussion:	This was not discussed
Prioritization Discussion:	STAPLEE Score of 39
Priority:	High
Timeline for Implementation/ Completion:	On-going
Status of Action:	Continuing
Report of Progress	Annually

Action No:	PCHM1722
Description	Snow and Ice
Jurisdictions Selecting the Action:	City of Bowling Green
Responsible Agency/Party:	HMC, Street Dept.
Problem to be Mitigated:	Maintain snow plowing and removal equipment.
Applicable Goal(s):	Goal 1: Protect the lives and livelihoods of all the citizens.
Hazards Addressed:	F
Estimated Cost:	\$2,500
Potential Funding Sources:	Local funding
Cost/Benefit Discussion:	This was not discussed
Prioritization Discussion:	STAPLEE Score of 35
Priority:	High
Timeline for Implementation/ Completion:	On-going
Status of Action:	Continuing
Report of Progress	Annually

Action No:	PCHM1723
Description	Code Enforcement
Jurisdictions Selecting the Action:	City of Bowling Green
Responsible Agency/Party:	HMC, Building Inspector, Code Enforcement
Problem to be Mitigated:	Maintain and enforce building codes
Applicable Goal(s):	Goal 1: Protect the lives and livelihoods of all the citizens.
Hazards Addressed:	EQ
Estimated Cost:	\$1,000
Potential Funding Sources:	Local funding
Cost/Benefit Discussion:	This was not discussed
Prioritization Discussion:	STAPLEE Score of 33
Priority:	High
Timeline for Implementation/ Completion:	On-going
Status of Action:	Continuing
Report of Progress	Annually

Action No:	PCHM1724
Description	Drought Control
Jurisdictions Selecting the Action:	City of Bowling Green
Responsible Agency/Party:	HMC, University Outreach
Problem to be Mitigated:	Encourage drought resistant yard watering practices.
Applicable Goal(s):	Goal 1: Protect the lives and livelihoods of all the citizens.
Hazards Addressed:	EHD
Estimated Cost:	\$1,000
Potential Funding Sources:	Local funding
Cost/Benefit Discussion:	This was not discussed
Prioritization Discussion:	STAPLEE Score of 33
Priority:	High
Timeline for Implementation/ Completion:	On-going
Status of Action:	Continuing
Report of Progress	Annually

Action No:	PCHM1725
Description	Wild Fires
Jurisdictions Selecting the Action:	City of Bowling Green
Responsible Agency/Party:	HMC, County, Fire Department
Problem to be Mitigated:	Declaring burn bans as needed.
Applicable Goal(s):	Goal 1: Protect the lives and livelihoods of all the citizens.
Hazards Addressed:	WF
Estimated Cost:	\$1,000
Potential Funding Sources:	Local funding
Cost/Benefit Discussion:	This was not discussed
Prioritization Discussion:	STAPLEE Score of 36
Priority:	High
Timeline for Implementation/ Completion:	On-going
Status of Action:	Continuing
Report of Progress	Annually

Action No:	PCHM1726
Description	Dam Failure
Jurisdictions Selecting the Action:	City of Bowling Green
Responsible Agency/Party:	HMC, MO, Department of Natural Resources
Problem to be Mitigated:	Inspect and Maintain Dams
Applicable Goal(s):	Goal 1: Protect the lives and livelihoods of all the citizens.
Hazards Addressed:	DF
Estimated Cost:	\$2,500
Potential Funding Sources:	Local funding
Cost/Benefit Discussion:	This was not discussed
Prioritization Discussion:	STAPLEE Score of 44
Priority:	High
Timeline for Implementation/ Completion:	On-going
Status of Action:	Continuing
Report of Progress:	Annually

Resolution # _____

Adopting the Pike County Multi-Jurisdictional Local Hazard Mitigation Plan

Whereas, the _____ recognizes the threat that natural hazards pose to people and property within our community; and

Whereas, undertaking hazard mitigation actions will reduce the potential for harm to people and property from future hazard occurrences; and

Whereas, the U.S Congress passed the Disaster Mitigation Act of 2000 (“Disaster Mitigation Act”) emphasizing the need for pre-disaster mitigation of potential hazards;

Whereas, the Disaster Mitigation Act made available hazard mitigation grants to state and local governments; and

Whereas, an adopted Local Hazard Mitigation Plan is required as a condition of future funding for mitigation projects under multiple FEMA pre- and post-disaster mitigation grant programs; and

Whereas, the _____ fully participated in the hazard mitigation planning process to prepare this Multi-Jurisdictional Local Hazard Mitigation Plan; and

Whereas, the _____ desires to comply with the requirements of the Disaster Mitigation Act and to augment its emergency planning efforts by formally adopting the Pike County Multi-Jurisdictional Local Hazard Mitigation Plan; and

Whereas, adoption by the governing body for the _____ demonstrates the jurisdictions’ commitment to fulfilling the mitigation goals outlined in this Multi-Jurisdictional Local Hazard Mitigation Plan; and

Whereas, adoption of this legitimizes the plan and authorizes responsible agencies to carry out their responsibilities under the plan;

Now, therefore, be it resolved, that the _____ adopts the “Pike County Multi-Jurisdictional Local Hazard Mitigation Plan” as an official plan; and

Be it further resolved, the _____ will submit the updated plan along with this Adoption Resolution to the Missouri State Emergency Management Agency and Federal Emergency Management Agency Region VII officials to enable the plan’s final approval.

Date: _____

Certifying Official: _____

PIKE COUNTY MULTI-JURISDICTIONAL HAZARD MITIGATION PLAN UPDATE PLANNING MEETING—SIGN-IN SHEET

Project: Pike County, Missouri Multi-jurisdictional Hazard Mitigation Plan Update **Meeting Date/Time:** October 4, 2021 9:00am

Facilitator: Devyn Campbell, Fiscal Officer/Community Planner **Place/Room:** Pike County Fairgrounds, 15884 US-54, Bowling Green, Missouri
Mark Twain Regional Council of Governments

Name	Title	Department/Agency	Email	Phone #	Signature
Tom Wallace	PLC Com.	Pike County	t.wallace@pikecounty.mo.gov	573-754-0030	
Chris Gamm	Pike Comm.	NORC	cgamm@pikecount-mo.gov	573-324-9975	
Dan Redington	WARDEN	MO DEPT. of CORRECTIONS Pike County Drainage + Water Mudlick Prairie Levee DIST	dan.redington@dcwr.mo.gov	ERT. 3000	
Tang Sussard			Pilegrain & Soc of Global.net	573-754-6256	
Richard Murray	PCEMD	EMERGENCY & 911	almurray.pcfpc@gmail.com	573-754-0151	
Vanica Luebrecht	PLWSD #1	Pike Co Water	pwsd12019@sbcglobal.net		
Bill Allen	Pike County Commissioner	Pike County	ballen@pikecounty-mo.gov	573-324-2412	
Memarie Gonzalez	city clerk	City of Louisiana	cityhall-louisiana.mo@gmail.com		
Linda Luebrecht	City Administrator	City of Bowling Green	lluebrecht@bowlinggreen-mo.gov	573-324-5151	



**PIKE COUNTY
MULTI-JURISDICTIONAL HAZARD
MITIGATION PLAN**

**PLAN UPDATE
MEETING
OCTOBER 4, 2021**

1



AGENDA

- Hazard Mitigation Planning Purpose
- Grant Programs Linked to Approved Plan
- Planning Tasks / Multi-jurisdictional Approach
- Participation Requirements
- Public Involvement/Comments
- Data Collection Questionnaires
- Discussion of Hazards
- Critical Facility Inventory

2



AGENDA

- Plan Update Format
- Sample Results of Countywide Risk Assessment Update
- Update Mitigation Goals
- Mitigation Action Updates
- Update the Mitigation Strategy
 - Status of Previous Actions
 - Development of New Actions
 - Prioritization of Mitigation Actions
- Hazard Mitigation Assistance Grants
- Plan Maintenance
- Next Steps


3



WHAT IS MITIGATION?

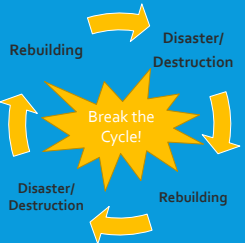
- Sustained action taken to reduce or eliminate long-term risk to human life and property from hazard events
- Mitigation planning is a process for communities to:
 - Identify the hazards to which they are at risk;
 - Assess the potential impacts of those hazards;
 - Develop goals, objectives, and actions to reduce impacts; and
 - Prioritize and implement mitigation actions.

4




DISASTER MITIGATION ACT OF 2000 (DMA 2K)

- Requires local governments to adopt a natural hazard mitigation plan to maintain eligibility for FEMA mitigation funds.
- Plan must be updated and approved by FEMA every 5 years.
- This is an update to the existing 2016 Pike County Multi-jurisdictional Hazard Mitigation Plan.



5



PRESIDENTIAL MAJOR DISASTER DECLARATIONS INCLUDING PIKE COUNTY SINCE 1965

Disaster Number	Description	Declaration Date	Individual Assistance (IA) Public Assistance (PA)
DR 128-002	Severe Storms	4/11/65	PA
DR 172-002	Severe Storms	4/12/74	PA
DR 129-002	Flood	8/11/65/1/74	PA
DR 130-002	Tornado	4/18/76	PA
DR 131-002	Flood	4/27/76/1/76	PA
DR 132-002	Flood	4/28/76	PA
DR 133-002	Flood	4/29/76	PA
DR 134-002	Flood	4/30/76	PA
DR 135-002	Flood	5/1/76	PA
DR 136-002	Flood	5/2/76	PA
DR 137-002	Flood	5/3/76	PA
DR 138-002	Flood	5/4/76	PA
DR 139-002	Flood	5/5/76	PA
DR 140-002	Flood	5/6/76	PA
DR 141-002	Flood	5/7/76	PA
DR 142-002	Flood	5/8/76	PA
DR 143-002	Flood	5/9/76	PA
DR 144-002	Flood	5/10/76	PA
DR 145-002	Flood	5/11/76	PA
DR 146-002	Flood	5/12/76	PA
DR 147-002	Flood	5/13/76	PA
DR 148-002	Flood	5/14/76	PA
DR 149-002	Flood	5/15/76	PA
DR 150-002	Flood	5/16/76	PA
DR 151-002	Flood	5/17/76	PA
DR 152-002	Flood	5/18/76	PA
DR 153-002	Flood	5/19/76	PA
DR 154-002	Flood	5/20/76	PA
DR 155-002	Flood	5/21/76	PA
DR 156-002	Flood	5/22/76	PA
DR 157-002	Flood	5/23/76	PA
DR 158-002	Flood	5/24/76	PA
DR 159-002	Flood	5/25/76	PA
DR 160-002	Flood	5/26/76	PA
DR 161-002	Flood	5/27/76	PA
DR 162-002	Flood	5/28/76	PA
DR 163-002	Flood	5/29/76	PA
DR 164-002	Flood	5/30/76	PA
DR 165-002	Flood	5/31/76	PA
DR 166-002	Flood	6/1/76	PA
DR 167-002	Flood	6/2/76	PA
DR 168-002	Flood	6/3/76	PA
DR 169-002	Flood	6/4/76	PA
DR 170-002	Flood	6/5/76	PA
DR 171-002	Flood	6/6/76	PA
DR 172-002	Flood	6/7/76	PA
DR 173-002	Flood	6/8/76	PA
DR 174-002	Flood	6/9/76	PA
DR 175-002	Flood	6/10/76	PA
DR 176-002	Flood	6/11/76	PA
DR 177-002	Flood	6/12/76	PA
DR 178-002	Flood	6/13/76	PA
DR 179-002	Flood	6/14/76	PA
DR 180-002	Flood	6/15/76	PA
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DR 184-002	Flood	6/19/76	PA
DR 185-002	Flood	6/20/76	PA
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DR 187-002	Flood	6/22/76	PA
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DR 189-002	Flood	6/24/76	PA
DR 190-002	Flood	6/25/76	PA
DR 191-002	Flood	6/26/76	PA
DR 192-002	Flood	6/27/76	PA
DR 193-002	Flood	6/28/76	PA
DR 194-002	Flood	6/29/76	PA
DR 195-002	Flood	6/30/76	PA
DR 196-002	Flood	7/1/76	PA
DR 197-002	Flood	7/2/76	PA
DR 198-002	Flood	7/3/76	PA
DR 199-002	Flood	7/4/76	PA
DR 200-002	Flood	7/5/76	PA

6




APPROVED HAZARD MITIGATION PLAN ESTABLISHES ELIGIBILITY FOR FEMA HMA GRANTS

- Hazard Mitigation Grant Program
- Building Resilient Infrastructure & Communities
- Flood Mitigation Assistance Program



7



HAZARD MITIGATION GRANT PROGRAM

- The Hazard Mitigation Grant Program (HMGP) provides grants to States and local governments to implement long-term hazard mitigation measures after a major disaster declaration.
- Equal to 15 percent (20 percent for Enhanced Plan State) of the first \$2 billion of estimated aggregate amounts of disaster assistance—based on a sliding scale formula after the first \$2 billion.
- Eligible applicants are state agencies, local governments, private non-profit organizations, or Indian tribal governments.
- An approved local mitigation plan is required.**

8



BUILDING RESILIENT INFRASTRUCTURE & COMMUNITIES

- Annual Appropriation
- Nationally Competitive Grant
- 75% federal & 25% non-federal match
- FY 2021 Applications due to SEMA in the fall of 2021
 - Each state gets \$575,000
 - SEMA forwards selected applications to FEMA
- **An approved local mitigation plan is required.**

9



FLOOD MITIGATION ASSISTANCE PROGRAM

- Annual Appropriation
- Sub-applicant must participate in National Flood Insurance Program (NFIP)
- NFIP insured property
- 75% federal & 25% non-federal match
- FY 2021 Applications due to SEMA in the fall
 - SEMA forwards selected applications to FEMA
- **An approved local mitigation plan is required.**

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9 TASKS TO COMPLETE THE PLAN UPDATE

- Task 1: Determine the Planning Area and Resources
- Task 2: Build the Planning Team
- Task 3: Create an Outreach Strategy
- Task 4: Review Community Capabilities
- Task 5: Conduct a Risk Assessment
- Task 6: Develop a Mitigation Strategy
- Task 7: Review and Adopt the Plan
- Task 8: Keep the Plan Current
- Task 9: Create a Safe and Resilient Community

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MULTI-JURISDICTIONAL PLAN APPROACH TASK 1: DETERMINE THE PLANNING AREA

- Pike County Commission
- Clarksville
- Curryville
- Bowling Green
- Frankford
- Annada
- Paynesville
- Louisiana R-II
- Pike-Lincoln Tech Center
- Pike County R-III
- Boncl R-5
- Bowling Green R-I

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HAZARD MITIGATION PLANNING COMMITTEE TASK 2: BUILD THE PLANNING TEAM

<u>Jurisdictions</u>	<u>Stakeholders</u>
<ul style="list-style-type: none"> • Emergency Responders • County Clerks • City Clerks • Elected Officials • Public Works Directors • Floodplain Managers • Stormwater Mangers • County And City Planners • Economic Development Directors • GIS Staff • School Representatives 	<ul style="list-style-type: none"> • Business Partners • Private-non-profits • State Agencies <ul style="list-style-type: none"> – SEMA – Missouri Department of Natural Resources – Missouri Department of Transportation • Federal Agencies <ul style="list-style-type: none"> – Federal Emergency Management Agency • Academia • Local/Regional Agencies

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STAKEHOLDERS PURPOSE:

- Review plan and make recommendations
- Review mitigation actions and make sure actions are included to meet your needs

12/15/2021

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BENEFITS OF PARTICIPATING IN A MULTI-JURISDICTIONAL PLAN

- Enables comprehensive approach to mitigate hazards that affect multiple jurisdictions;
- Shares costs and resources;
- Avoids duplication of efforts;
- Improves coordination/communication among local jurisdictions; and
- Imposes external framework/schedule on process.

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REQUIREMENTS FOR EACH PARTICIPATING JURISDICTION

- Designate a representative to serve on the Hazard Mitigation Planning Committee;
- Provide data for and assist in the development of the updated risk assessment that describes how various hazards impact your jurisdiction;
- Provide data to describe current capabilities;
- Develop/update mitigation actions (at least one) specific to your jurisdiction;
- Provide comments on plan drafts as requested;
- Inform the public, local officials, and other interested parties about the planning process and provide opportunities for them to comment on the plan; and
- Formally adopt the mitigation plan.

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WHAT HAPPENS IF MY JURISDICTION CHOOSES NOT TO PARTICIPATE IN THE PLAN?

Jurisdictions (including public school districts) that have not participated in a FEMA-approved mitigation plan **will not be eligible applicants** for FEMA Hazard Mitigation Assistance grants.

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PUBLIC INVOLVEMENT REQUIREMENTS TASK 3: CREATING AN OUTREACH STRATEGY

- 1. During Drafting Stage
 - Ideas to inform the public
 - Public Survey
 - Hard Copies—City Halls/Libraries/Post Offices?
 - Link on County Website/Other Websites?
 - Article in the newspaper
- 2. Prior to approval
 - Draft Available via County Website
 - Hard Copies—at least two public locations
- Other Ideas/Events to Inform the Public?

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DATA COLLECTION QUESTIONNAIRES

TASK 4: REVIEWING COMMUNITY CAPABILITIES
TASK 5: CONDUCT RISK ASSESSMENT

- Separate forms for local govts. and schools
- Look through Data Collection Guide
 - Capability Assessment Section
 - Existing Plans/Policies/Ordinances
 - Administrative/Technical Capabilities
 - Fiscal Resources
 - Additional Questions
 - Historic Hazard Events


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DATA COLLECTION QUESTIONNAIRES

- Complete what you can
- 30 Minutes to complete questionnaire

20




HAZARD IDENTIFICATION AND RISK ASSESSMENT

- Hazard Profile
 - Hazard Description
 - Geographic Location
 - Severity/Magnitude/Extent
 - Previous Occurrences
 - Probability of Future Occurrence
- Vulnerability Assessment
 - Vulnerability Overview
 - Potential Losses to Existing Development
 - Future Development
 - Hazard Summary by Jurisdiction
- Problem Statement

Based on existing plan, additional information from planning committee, additional research/analysis


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NATURAL HAZARDS FOR CONSIDERATION

- Natural Flood-Related Hazards
 - Flooding
 - Levee Failure
 - Dam Failure
- Natural Geologic Hazards
 - Earthquake
 - Land Subsidence / Sinkholes
- Natural Meteorological Hazards
 - Drought
 - Extreme Temperature
 - Severe Thunderstorms
 - Severe Winter Weather
 - Tornadoes
- Natural Other Hazard
 - Wildfire
 - Pandemic

22



FLOODING (MAJOR AND FLASH)

- Primary Flooding Sources
- Previous Events from NCDC (National Climatic Data Center)
- USDA Risk Management Agency Crop Insurance Payments
- Presidential Declarations
- FEMA Average Annual Loss Study

23



LEVEE FAILURE

- Locations of Levees in Planning Area
 - Accredited levees
 - Non-accredited levees protecting populations
 - Agricultural Levees
- Previous Events

24



DAM FAILURE

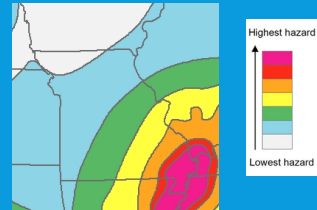
- Dams
 - State Regulated by Class
 - Federal by Class
 - Unregulated by Class
- Previous Events?

25



EARTHQUAKE

- EQ Risk\ USGS Maps, etc.
- Previous Events in planning area



26



LAND SUBSIDENCE/SINKHOLES

- Known Sinkhole Areas
 - Mines
 - Karst
- Previous Events

27



DROUGHT

- Typical Impacts
- National Drought Mitigation Center Drought Impact Reporter Impacts
- Previous Events from USDA Risk Management Agency's insured crop damages from drought

28



EXTREME TEMPERATURES

- Previous Events
 - NWS Advisories/Watches/Warnings for Heat/Excessive Heat or Cold/Wind Chill
 - NCEI (National Centers for Environmental Information)
 - Any injuries/fatalities?
 - USDA Risk Management Agency Crop Losses

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SEVERE THUNDERSTORMS

- Presidential Declarations including severe storms
- Previous Events
 - NCEI NWS Watches/Warnings
 - USDA Risk Management Agency Crop Insurance Payments



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SEVERE WINTER WEATHER

- Presidential Declarations including winter weather
- Previous Events
 - NCEI
 - NWS Watches/Warnings

31



TORNADO


- Presidential Declarations including tornadoes
- Previous Events
 - NCEI
 - NWS Watches/Warnings

32




WILDFIRE

- Previous Events from National Fire Incident Reporting System (if available)
- Wildland Urban Interface/Intermix from SILVIS maps



33




PANDEMIC

- Center for Disease Control
 - Previous and ongoing events
 - History of pandemics
- Vulnerability Rating map of the United States (ArcGIS)

12/15/2021


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CRITICAL FACILITIES

- Critical Facility—essential in providing utility or direction either during the response to an emergency or during the recovery operation.
 - Essential Facility—if damaged would have devastating impacts on disaster response and/or recovery.
 - High Potential Loss Facility—if damaged would have a high loss or impact on the community.
 - Transportation/Lifeline Facility—assets critical for transport and provision of necessary utilities

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CRITICAL FACILITY EXAMPLES

Essential Facilities	High Potential Loss Facilities	Transportation and Lifeline
<ul style="list-style-type: none"> • Hospitals and other medical facilities • Police stations • Fire station • Emergency Operations Centers 	<ul style="list-style-type: none"> • Power plants • Dams/levees • Military installations • Hazardous material sites • Schools • Shelters • Day care centers • Nursing homes • Main government buildings 	<ul style="list-style-type: none"> • Highways, bridges, and tunnels • Railroads and facilities • Bus facilities • Airports • Water treatment facilities • Natural gas facilities and pipelines • Oil facilities and pipelines • Communications facilities

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ANALYSIS OF CRITICAL FACILITIES

- Impacts of some hazards will be considered for critical facilities
 - Ex. River Flood—critical facilities in floodplain
- Complete Critical Facility worksheet

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9 TASKS TO COMPLETE THE PLAN UPDATE

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PLAN UPDATE FORMAT

- Executive Summary
- Chapter 1—Planning Process
- Chapter 2—Jurisdiction Profiles
- Chapter 3—Risk Assessment
- Chapter 4—Mitigation Strategy
- Chapter 5—Plan Maintenance
- Appendices

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CHAPTER 3 INCLUDES THE FOLLOWING FOR EACH HAZARD

- Hazard Profile
 - Hazard Description
 - Geographic Location
 - Severity/Magnitude/Extent
 - Previous Occurrences
 - Probability of Future Occurrence
 - Changing Future Conditions Considerations
- Vulnerability Assessment
 - Vulnerability Overview
 - Potential Losses to Existing Development
 - Future Development
 - Hazard Summary by Jurisdiction
- Problem Statement


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SAMPLE RISK ASSESSMENT RESULTS

Hazard	Risk Rating
Flooding	Low-Medium
Levee Failure	Very Low
Dam Failure	Low
Earthquakes	Very Low
Land Subsidence/Sinkholes	Low
Drought	Medium High
Extreme Heat	Medium
Extreme Cold	Medium Low
Severe Thunderstorms	Low Medium
Severe Winter Weather	Low Medium
Tornadoes	Low
Wildfire	Low

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FLOODING (RIVERINE AND FLASH)

Riverine flooding is most likely to occur in SFHAs. NCEI data includes events for flooding and for flash flooding. In order to obtain information for the following tables, consult event narratives. Those events without location-specific information will be tabulated under "unspecified" locations in the table. Generally, using a 20-year time frame for previous events is adequate. However, where flooding records are scanty, as many years as needed will be used for a solid probability calculation.

Table 3.15. Pike County NCEI Flood Events by Location, 2001-2021

Location	# of Events
Unincorporated County	
Unincorporated County - 2 flood events	
Unincorporated County (Hogey) - 4 flood events	9
Unincorporated County (Barks) - 3 flood events	
Clarksville	1
Louisiana	1

Source: National Centers for Environmental Information, 9/26/21

Flash flooding occurs in SFHAs and low-lying locations in the planning area. They also occur in areas without adequate drainage to carry away the amount of water that falls during intense rainfall events. NCEI database was used to determine which jurisdictions are most prone to flash flooding during a 20-year time period. **Table 3.16** shows the number of flash flood events by location recorded in NCEI for the 20-year period.

Table 3.16. Pike County NCEI Flash Flood Events by Location, 2001-2021

Location	# of Events
Unincorporated County	
Unincorporated County - 5 flood events	
Unincorporated County (Eliens) - 1 flood event	
Unincorporated County (Skeppenburg) - 3 flood events	9
Unincorporated County (Barks) - 1 flood event	
Unincorporated County (Stark) - 1 flood event	
Arnada	2
Frankford	1

Source: National Centers for Environmental Information, 9/26/21

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LEVEE FAILURE

7 Levee Systems 27 Miles of Levees 82 years Average Levee Age

Layer Controls



Source: <https://leaves.usace.army.mil/>

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DAM FAILURE


Dam failure and its associated impacts is a possibility for disaster in Pike County. Pike County has fourteen high hazard dams. There is a small chance of dam failure happening based on past occurrences. However, the effects of a failure would be horrific.

Changing Future Conditions Considerations

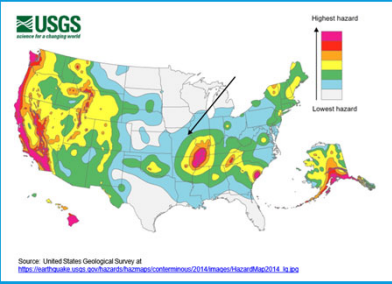


Source: US Climate Resilience Toolkit; <https://toolkit.climate.gov/tools/climate-explorer>

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EARTHQUAKES



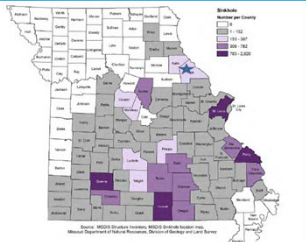
Source: United States Geological Survey at https://earthquake.usgs.gov/hazards/factsheets/continuous2014/mages/fscart/mag2014_us.pdf

45

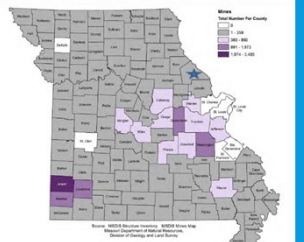


LAND SUBSIDENCE / SINKHOLES

Sinkholes in Pike County




Mines in Pike County



Vulnerability Overview
Sinkholes in the planning area are not common occurrence due to composition of the land. While some sinkholes may be considered a slow changing nuisance, other more sudden, catastrophic collapses can destroy property, delay construction projects and contaminate ground water resources.

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DROUGHT

Drought occurs periodically in Missouri with the most severe and costly time occurring in 2018. Although droughts are not the spectacular weather events that floods, blizzards or tornadoes can be, historically, they produce more economic damage to the State than all other weather events combined. According to NCEI's storm database, 7 drought events have occurred in Pike County between 2001 to 2021.

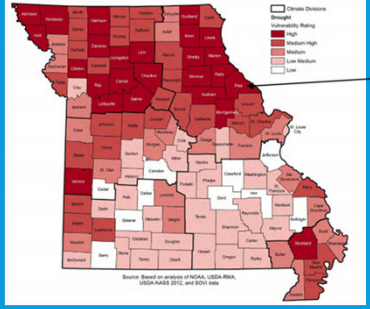
According to the National Drought Mitigation Center's Drought Impact Reporter, during the 10-year period from September 2011 to September 2021 Pike County had 12 drought impacts.

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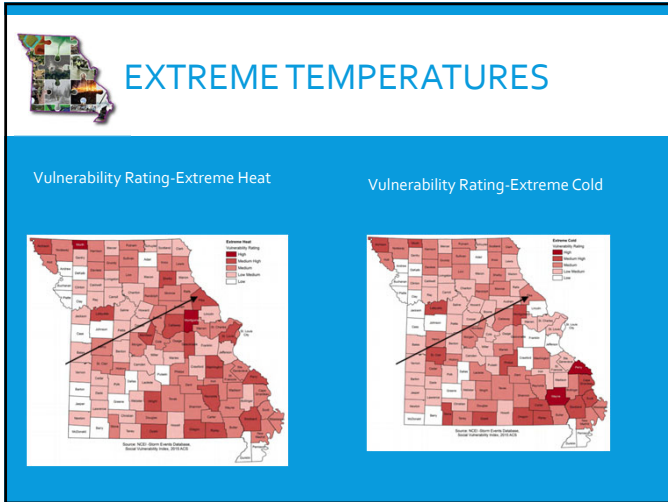
DROUGHT CONTINUED...

Pike County Vulnerability Ranked High for Drought

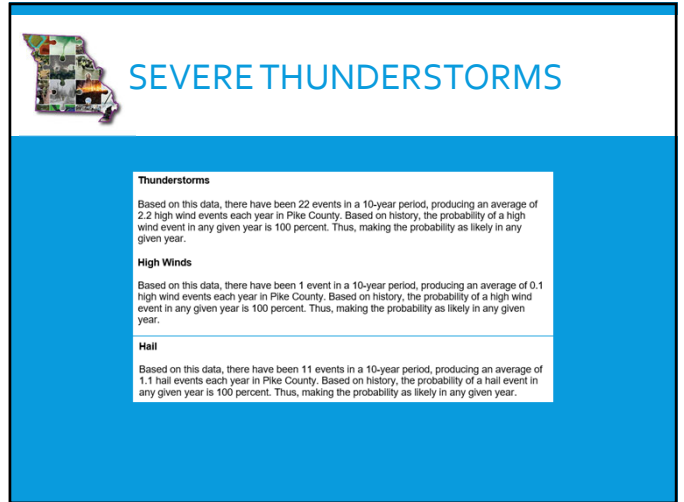


Source: Based on analysis of NOAA, USDA-ERS, USGS-NRCS 2012, and 2020 data.

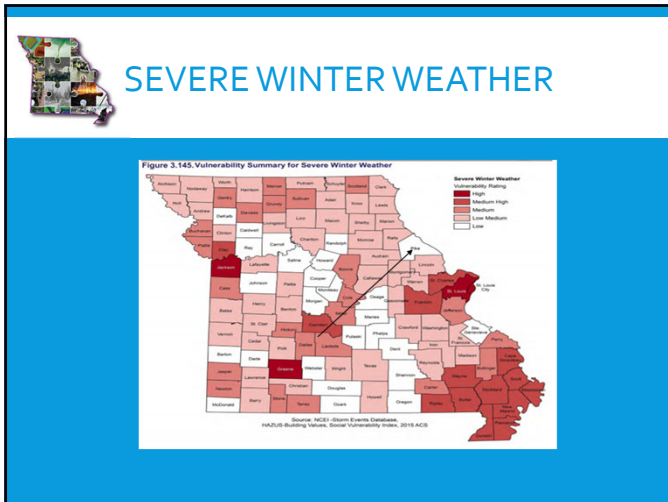
48



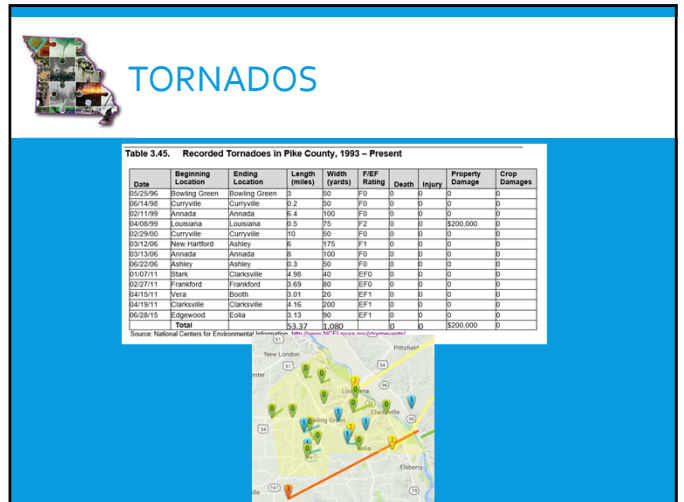
49



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51




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MITIGATION STRATEGY UPDATE: MITIGATION GOALS AND ACTIONS

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MITIGATION STRATEGY: GOALS AND ACTIONS

- Goals: Describe the overall direction of the plan
- Actions: Describe specific activities or projects designed to achieve goals

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UPDATE COLLECTIVE GOALS

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COMMON CATEGORIES OF MITIGATION GOALS

- Public Education
- Policies/Planning/Training/Communication
- Reduce Risk to Life and Property
- Protection of Critical/Essential Facilities


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STATE GOALS 2018 MISSOURI STATE HAZARD MITIGATION PLAN

- Goal 1: Implement mitigation actions that improve the protection of human life, health, and safety from the adverse effects of disasters
- Goal 2: Implement mitigation actions that improve the continuity of government and essential services from the adverse effects of disasters
- Goal 3: Implement mitigation actions that improve the protection of public and private property from the adverse effects of disasters
- Goal 4: Implement mitigation actions that improve the protection of community tranquility from the adverse effects of disasters

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PIKE COUNTY 2016 PLAN GOALS (REVIEW/REVISE)

- Goal 1: Protect the lives and livelihoods 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

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GROUP DISCUSSIONS

- Review goal statements (handout)
- Remember
 - Goals should be broad
 - Mitigation vs. Preparedness/Response
- Report to group with suggested revisions
 - Combine
 - Remove
 - Re-word
 - Add new

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UPDATE MITIGATION ACTIONS

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MITIGATION ACTIONS

Specific
Measurable
Achievable
Relevant
Time-bound


- See Handout
- Update actions that apply to your jurisdiction
 - Completed – provide date completed and funding amount if applicable
 - KEEP Not Started – provide details on any plans made to initiate action
 - KEEP In-Progress – provide details on progress made to-date
 - KEEP Modify – provide details on changes/updates to the action
 - Delete – provide reason for deleting
- Discuss with other representatives from your jurisdiction.
- Be careful to distinguish between response actions (actions after event) and mitigation actions (actions before an event that reduce or eliminate need for response)
- Actions should be SMART: specific, measurable, achievable, relevant, time bound

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UPDATING THE MITIGATION STRATEGY


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MITIGATION ACTIONS

- Losses from hazards can be reduced if communities take action before the next disaster
- Actions have long term and cumulative benefits
- Some may be low-cost initiatives readily adopted
- Others may be dependent on available funding or best implemented following a disaster
- Relevant to your Jurisdiction
- Focus on Mitigation- Not a response plan
- Not all actions identified through this planning process will be eligible for FEMA grants

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UPDATING/DEVELOPING MITIGATION ACTIONS

- Previous Actions—status updates required for ALL actions from previous plan (FEMA will not approve without this)
- New Actions—add new actions, as appropriate
 - FEMA's Mitigation Ideas Booklet
 - Review Problem Statements from Risk Assessment
 - State Priorities for Hazard Mitigation Assistance Grants
 - Public Opinion from Surveys

Specific
Measurable
Achievable
Relevant
Time-bound


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MITIGATION ACTIONS

- Each jurisdiction must have AT LEAST one action.
- Communities that participate in NFIP must have an ADDITIONAL action that relates to continued compliance.
- Complete action worksheets

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EXAMPLE MITIGATION ACTIONS

- Action- Bridge replacement on Road 123
- Action- Install/upgrade warning sirens
- Action- Low water crossing on Road 321
- Action- Enhancement/installation of floodwalls, dams, levees at XYZ
- Action- Safe room/storm shelter
- Action- Debris removal from natural disasters

Think flood mitigation, transportation infrastructure, etc.

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MITIGATION ACTION PLANS

- Complete for Continuing and New actions
- Provides details for each action


Action Worksheet	
Year of Action/Action	
Risk / Vulnerability	
Beneficial Addressed	
Problem being Mitigated	
Action or Project	
Applicable Code Reference:	
Action/Project Number:	
Year of Action or Project:	
Mitigation Category:	
Action or Project Description:	
Estimated Cost:	
Benefit:	
Plan for Implementation	
Responsible Organization/Department:	
Action/Project Priority:	
Timeline for Completion:	
Potential Flood Source:	
Local/Regional/State Sources or be Used in Implementation, if any:	
Progress Report	
Action Status:	
Report of Progress:	

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PROBLEM STATEMENTS FROM RISK ASSESSMENT / PREVIOUS ACTIONS

- -Plan Hazards
- -Dam Failure
- -Drought
- -Earthquakes
- -Extreme Heat
- -Fires
- -Flooding
- -Land Subsidence
- -Levee Failure
- -Thunderstorm/High Winds/Lightning/Hail
- -Tornado
- -Winter Weather/Snow/Ice/ Severe Cold



Any gaps between problems identified in risk assessment and actions addressed for your jurisdiction?

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DAM FAILURE PROBLEM STATEMENTS

- **Problem Statement**
- A lack of regular inspection/maintenance of un-regulated high hazard dams was noted by the Mitigation Planning Committee. Possible solutions include the development of a regular maintenance schedule, identification of qualified staff and/or consultant to assist, and maintenance report submittal requirements.

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DROUGHT PROBLEM STATEMENTS

- **Problem Statement**
- Pike County is at a high risk for a severe drought which is an extra strain placed on the water supply system. Possible solutions include the development of agreements with neighboring communities for a secondary water source and review of local ordinances/regulation for inclusion of water-use restrictions during periods of drought.

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EARTHQUAKES PROBLEM STATEMENTS

- Although Pike County is not located in an area that will likely see catastrophic damage from an earthquake, the County will be impacted by the loss of communications, transportation, the disruption of roads, rail and pipelines, water transportation, and the area will see a significant amount of refugees fleeing from Southern Missouri if a quake hits that area. Education is minimal for earthquakes due to the low likelihood of impact. There is one Emergency Management Director for the County that knows where all the generators and emergency buildings are. Not all citizens utilize social media and texting.
- An emergency plan for earthquakes needs to be made available to all residents and stated what would happen in the event of an earthquake with details for communications and transportation. Downtown building owners need to know plan in case damage is done to their building. Residents need to be made aware of where the generators and emergency buildings are located. Utilization of social media and texting needs to be encouraged.

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EXTREME TEMPERATURE'S PROBLEM STATEMENTS

- **Problem Statement**
- Pike County has a growing population of residents over 65 years, who are at a greater risk for extreme-temperature related illnesses, injuries, and death. Possible solutions include organizing outreach to the vulnerable elderly populations, including establishing and promoting accessible heating or cooling centers in the community and creating a database in coordination with the Health Department to track those individuals at high risk.

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WILDFIRE PROBLEM STATEMENTS

- **Problem Statement**
- Residents do not comply with burn bans, education is not available for the levels of burn bans, many residents lack education in fire safety and not all residents utilize social media and texting. Education needs to occur on the dangers associated with not complying with the burn bans, more education for fire safety and encourage utilization of social media and texting. Due to Pike County's high drought rating, they may be more susceptible to fires.

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LAND SUBSIDENCE/SINKHOLES PROBLEM STATEMENTS

- **Problem Statement**
- Sinkholes can occur at any time and without warning and vary by size. There can be a disruption of transportation services and not residents in the dangerous areas are not educated on what to do if a sinkhole occurs. Education needs to occur on the danger areas of a sinkhole occurring and what to do if a sinkhole does occur.

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LEVEE FAILURE PROBLEM STATEMENTS

- **Problem Statement**
- Low-head agricultural levees are not regulated or inspected on a regular basis.
- Residents need to be informed on how to perform inspections on low-head agricultural levees.

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THUNDERSTORM/HIGH WINDS/ LIGHTNING/HAIL PROBLEM STATEMENTS

- **Problem Statement**
- Thunderstorms can damage power lines with the high winds or fallen debris such as tree limbs. Not everyone in the county utilizes social media, texting or have access to a weather radio, communities would benefit from updated sirens. Possible solutions include review of local ordinance and building codes to address high winds and/or construction techniques to include structural bracing, straps and clips, or anchor bolts.

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TORNADO PROBLEM STATEMENTS

- **Problem Statement**
- Pike County has inadequate tornado shelters throughout the county, not everyone utilizes social media and/or texting, the rural areas do not have warning sirens, lack of awareness for available shelters and more education needs to occur.
- Possible solutions include promoting the use of NOAA weather radios and conducting public education and outreach activities to increase awareness of tornado risk.

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WINTER WEATHER/SNOW/ICE/ SEVERE COLD PROBLEM STATEMENTS

- **Problem Statement**
- Pike County is expected to experience at least one severe winter weather events annually; the county has a low-medium vulnerability rating. Jurisdictions should enhance their weather monitoring to be better prepared for severe weather hazards. If jurisdictions monitor winter weather, they can dispatch road crews to prepare for the hazard. County and city crews can also trim trees along power lines to minimize the potential for outages due to snow and ice. Citizens should also be educated about the benefits of being proactive to alleviate property damage as well as preparing for power outages. Education needs to occur to ensure all residents are aware of the shelters in the County, residents are educated on emergency supplies to have and the utilization of social media and texting increases.

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PANDEMIC PROBLEM STATEMENTS

- **Problem Statement**
- In order to keep transmission rates low during a pandemic outbreak, residents need to safely distance themselves as best as possible and follow the numerous Center for Disease Control guidelines. Due to the lack of accessibility to ongoing public health information and broadband connectivity, it is especially challenging to inform residents about current and upcoming pandemic updates. It is an issue in rural America to convey the severity of pandemic outbreaks and provide preparedness instruction because social media, website posts, podcasts, etc. are not an option for every resident in the planning area.

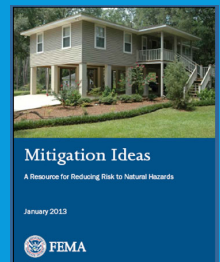
12/15/2021

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ADDITIONAL RESOURCES

- FEMA's Mitigation Ideas Booklet
- Can be downloaded at:
<https://www.fema.gov/media-library/assets/documents/30627?id=6938>



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RESOLUTION

Model Resolution

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

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

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 2002; 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 Massachusetts, THAT:

It is accordance with (local laws 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 _____, 20____.

By (Signature) _____
 Print Name _____

ATTEST:
 By (Signature) _____
 Print Name _____


APPROVED AS TO FORM:
 By (Signature) _____
 Print Name _____

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PLAN MAINTENANCE


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PLAN MAINTENANCE

- FEMA Regulations require complete plan update every 5 years.
- FEMA requires a formal plan maintenance process to ensure that the mitigation plan remains an active and relevant document
- Who, how, and when will plan be monitored, evaluated, and updated?
- How will public be involved in plan maintenance process?
- How will mitigation strategy be incorporated into other planning mechanisms?


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PLAN IMPLEMENTATION AND MAINTENANCE-HMPC CONSENSUS NEEDED

- Who, how, and when will plan be monitored, evaluated, and updated?
 - Annual Review?, After hazard events?
 - Who will organize?, Who will participate?
 - Update Status of Mitigation Actions?
- How will public be involved in plan maintenance process?
 - Press Release on annual reviews?
 - Other ideas?


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PLAN IMPLEMENTATION AND MAINTENANCE-HMPC CONSENSUS NEEDED

- How will mitigation strategy be incorporated into other planning mechanisms?
 - Review Mitigation Plan during planning process to update other plans?
 - Comprehensive Plans
 - Capital Improvement Plans
 - School Infrastructure Plans
 - School Emergency Plans
 - After review of Mitigation Plan, forward strategy with updates for consideration in other planning mechanisms?

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HAZARD MITIGATION ASSISTANCE (HMA) GRANTS: MISSOURI STATE EMERGENCY MANAGEMENT AGENCY

- Hazard Mitigation Grant Program-HMGP
- Building Resilient Infrastructure & Communities-BRIC
- Flood Mitigation Assistance Grants-FMA

Contact
 Heidi Carver
 State Hazard Mitigation Officer
 573-526-9116

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OTHER FUNDING SOURCES

- USDA
 - Rural Development Grants
 - Emergency Watershed Protection Program
- U.S. Dept of Commerce
 - Public Works and Economic Dev. Facilities Assistance
- U.S. Dept of Housing and Urban Development
 - Community Development Block Grants
- U.S. Army Corps of Engineers
 - Studies
 - Projects

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PUBLIC COMMENT PERIOD

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COMMENT PERIODS-FULL PLAN DRAFT

- December 2 – 16, 2021 Committee and Public Comment Period
 - 2 week period
 - www.marktwaincog.com
 - Pike County Courthouse
 - Pike County News

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NEXT STEPS

- December 23, 2021-Submit Plan to SEMA
- After receiving SEMA Approval-Submit Plan to FEMA

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**Multi-Jurisdictional Hazard Mitigation Plan
Data Collection Questionnaire**

For Local Governments

County: PIKE
Jurisdiction: COUNTY
Return by: _____

Please complete this data collection questionnaire as accurately and completely as possible as this information will appear in the mitigation plan. A data collection questionnaire must be completed for each "jurisdiction" that wishes to be included in the plan. According to FEMA's definition a jurisdiction is any local government, including counties, municipalities, cities, towns, school districts, special districts, councils of government, and tribal organizations. Any of these entities as well as publicly funded colleges and universities that do not participate in the planning process will not be eligible applicants for FEMA mitigation funding programs. Please note: School Districts and other Educational Institutions should complete the Data Collection Questionnaire indicated "For School Districts and Educational Institutions".

Prepared by: PIKE COUNTY COMMISSION
Phone: 324-2412
Email: _____
Date: _____

Please return questionnaires by mail, email, or fax to:

Name: _____
Address: _____
Email: _____
Fax: _____

CAPABILITY ASSESSMENT & INCORPORATION OF EXISTING PLANS, STUDIES, REPORTS AND TECHNICAL INFORMATION

The purpose of this section is to collect information to document existing capabilities as well as determine existing plans, studies, reports, and technical information that may need to be incorporated in the mitigation plan. Although some of this information may have been captured in your previous mitigation plan, it is important to ensure this information is current in the plan update.

Please indicate which of the following your jurisdiction has in place. For elements that do not pertain to your type of public entity, please indicate with "N/A". If applicable, please provide a completion date for the element. If your jurisdiction does not have a particular element, and a higher level of government has the authority pertaining to your jurisdiction, please indicate this in the comments column. If your jurisdiction has any of the underlined and bolded elements, please provide a copy of the document to the contact listed on the front and indicate method in the comments column (i.e. available on the web, will email or mail).

Element	Yes, No, N/A	Comments and/or Weblink
Planning Capabilities		
Comprehensive Plan	Date: <u>AdP</u>	
Builder's Plan	Date: <u>N/A</u> <u>NO</u>	
Capital Improvement Plan	Date: <u>YES</u>	
City Emergency Operations Plan	Date: <u>NO</u>	
County Emergency Operations Plan	Date: <u>YES</u>	
Local Recovery Plan	Date: <u>NO</u>	
County Recovery Plan	Date: <u>YES</u>	
City Mitigation Plan	Date: <u>NO</u>	
County Mitigation Plan	Date: <u>YES</u>	
Debris Management Plan	Date: <u>NO</u>	
<u>Economic Development Plan</u>	Date: <u>YES</u>	
Transportation Plan	Date: <u>NO</u>	
Land-use Plan	Date: <u>NO</u>	
Flood Mitigation Assistance (FMA) Plan	Date: <u>NO</u>	
<u>Waterhed Plan</u>	Date: <u>NO</u>	
Firewise or other fire mitigation plan	Date: <u>NO</u>	
Critical Facilities Plan (Mitigation/Response/Recovery)	Date: <u>NO</u>	

Element	Yes, No, N/A	Comments and/or Website
Zoning Ordinance	NO	
Building Code	Version: N/A Date: YES	
Floodplain Ordinance	NO	
Subdivision Ordinance	NO	
Tree Trimming Ordinance	NO	
Nuisance Ordinance	NO	
Stormwater Ordinance	NO	
Drainage Ordinance	NO	
Site Plan Review Requirements	NO	
Historic Preservation Ordinance	NO	
Landscape Ordinance	NO	
Program		
Zoning/Land Use Restrictions	NO	
Codes Building Site/Design	NO	
Hazard Awareness Program	YES	
National Flood Insurance Program (NFIP)	YES	
NFIP Community Rating System (CRS) program	NO	
National Weather Service (NWS) Storm Ready Certification	NO	
Firewise Community Certification	NO	
Building Code Effectiveness Grading (BCEGS)	NO	
ISO Fire Rating	Rating: 3 N/A	
Economic Development Program	YES	
Land Use Program	NO	
Public Education/Awareness	YES	
Property Acquisition	NO	
Planning/Zoning Boards	NO	
Stream Maintenance Program	NO	
Tree Trimming Program	NO	
Engineering Studies for Streams (Local/County/Regional)		

Element	Yes, No, N/A	Comments and/or WebLink
Mutual Aid Agreements	YES	
	Studies/Reports/Maps	
Hazard Analysis/Risk Assessment (City)	YES	
Hazard Analysis/Risk Assessment (County)	NO	
Evacuation Route Map	YES	
Critical Facilities Inventory	NO	
Vulnerable Population Inventory	NO	
Land Use Map	NO	
Start/Department		Full Time or Part Time?
Building Code Official	NO	
Building Inspector	NO	
Mapping Specialist (GIS)	YES	
Engineer	NO	
Development Planner	NO	
Public Works Official	YES	
Emergency Management Coordinator	YES	
NFIP Floodplain Administrator	YES	
Emergency Response Team	NO	
Hazardous Materials Expert	YES	
Local Emergency Planning Committee	NO	
County Emergency Management Commission	YES	
Sanitation Department	NO	
Transportation Department	YES	
Economic Development Department	YES	
Housing Department	NO	
Historic Preservation	NO	
Non-Governmental Organizations (NGOs)	Is there a local chapter? Yes or No	
American Red Cross	NO	
Salvation Army	NO	
Veterans Groups	YES	

Item	Yes, No, N/A	Comments and/or Weblink
Local Environmental Organization	N/D	
Homeowner Associations	YES	
Neighborhood Associations	YES	
Chamber of Commerce	YES	
Community Organizations (Lions, Kiwanis, etc.)	YES	
Financial Resources		Is your jurisdiction able to?
Apply for Community Development Block Grants		YES
Fund projects thru Capital Improvements funding		YES
Authority to levy taxes for specific purposes		YES
Fees for water, sewer, gas, or electric services		N/A
Impact fees for new development		N/D
Incur debt through general obligation bonds		YES
Incur debt through special tax bonds		YES
Incur debt through private activities		N/D
Withhold spending in hazard prone areas		N/D

For plan updates, the plan maintenance process outlined in your previous plan requires all participating jurisdictions to incorporate the requirements of the mitigation plan into other planning mechanisms, when appropriate. A key element of effective implementation of mitigation is for the mitigation plan to be incorporated in existing authorities, policies, programs, and resources. Next to each applicable planning mechanism, indicate how your jurisdiction incorporated the previous mitigation plan. If no incorporation has occurred, please explain, including background information detailing any challenges preventing incorporation.

Planning Capabilities	Method of Incorporation Since Previous Plan or Challenges Preventing Incorporation
Comprehensive Plan	
Builder's Plan	
Capital Improvement Plan	
Local Recovery Plan	
County Recovery Plan	MANAGED
Debris Management Plan	PLAN
Economic Development Plan	N/A
Transportation Plan	N/A
Land-use Plan	N/A
Watershed Plan	N/A
Firewise or other Fire Mitigation Plan such as Community Wildfire Protection Plan	

Additional Questions

1. How is your government structure organized? (Commission, Mayor/City Council, how many members)

Commission

2. List any past or ongoing public education or information programs, such as for responsible water use, fire safety, household preparedness, or environmental education.

YES

3. List any other past or ongoing projects or programs designed to reduce disaster losses, these may include projects to protect critical facilities. Be sure to include pending or approved projects submitted for FEMA mitigation grants.

CUNESVILLE FLOOD WARE ASSISTANCES

4. Describe any hazard-related concerns or issues regarding the vulnerability of special needs populations, such as the elderly, disabled, low-income, or migrant farm workers.

NB

5. How many outdoor warning sirens are in your community? ~ 20

~~20~~

How are they activated (indicate responsible department/personnel)?

911 OFFICE / PERSO ACTIVATED

6. Does your community utilize any other warning systems such as Cable Override, Reverse 911, etc? If so, please describe.

CELL PHONE / PANDAS ALERT SYSTEMS

7. Does your community have designated public tornado shelters/saferooms? If so, are they constructed in accordance with FEMA standards?

NOT BUILT BY SPONSORS

Please provide address locations:

8. List residential, commercial and industrial development in your jurisdiction since last plan update.

RESIDENTIAL
BUILDING

9. Describe development trends and expected growth areas. Is any new development expected to occur in the 100-year floodplain? Is any new development expected to occur in any other known hazard areas? If possible, please provide a map indicating potential/planned growth areas.

NO, NO/N/A (NEW PORT)

10. Are any new facilities or infrastructure planned for construction during the next five years? If so, please provide facility name and purpose along with proposed locations, if known.

→ ROAD & BRIDGE FACILITY

→ PORT

→ SPARKS INST.

11. Please list major employers in your jurisdiction with an estimated number of employees.

DYNO

SEE 2016

12. Please list Mitigation Planning Committee members who served during the development of the previously approved plan. Was the process set forth for monitoring the implementation of the previously approved mitigation plan adhered to? Did the Committee meet as was specified in the previously approved plan? Why or why not?

~~MEMBERS~~

SEE 2016 REPORT

13. Describe your jurisdiction's participation in the NFIP. Include information about how compliance with the NFIP is enforced locally.

NO CHANGE FROM 2016-2021

VULNERABILITY ASSESSMENT

The purpose of this worksheet is to assess the vulnerable buildings, populations, critical facilities, infrastructure, and other important assets in your community by using the best available data to complete the table. Use the table on the next page to compile a detailed inventory of specific assets at risk including critical facilities and infrastructure: natural, cultural, and historical assets; and economic assets. In the natural hazard column of the asset inventory table, indicate (by assigned abbreviation) which of the following hazards the asset is vulnerable to:

Natural Hazards	
Flooding (Major & Flash) - RF	Drought - D
Levee Failure - LF	Extreme Temperature - ET
Dam Failure - DF	Severe Thunderstorm (incl. winds, hail, lightning) - ST
Earthquake - EQ	Severe Winter Weather (incl. snow, ice, severe cold) - SWW
Land Subsidence / Sinkholes - LSS	Tornadoes - T
Drought - D	Wildfire - WF

Critical Facilities and Infrastructure

A critical facility may be defined as one that is essential in providing utility or direction either during the response to an emergency or during the recovery operation. FEMA's HAZUS-MH loss estimation software uses the following three categories of critical assets: 'Essential facilities' are those that if damaged would have devastating impacts on disaster response and/or recovery. 'High potential loss facilities' are those that would have a high loss or impact on the community. 'Transportation and lifeline facilities' are third category of critical assets; examples are provided below.

Essential Facilities	High Potential Loss Facilities	Transportation and Lifeline
Hospitals and other medical facilities	Power plants	Highways, bridges, and tunnels
Police stations	Dams/levees	Railroads and facilities
Fire station	Military installations	Bus facilities
Emergency Operations Centers	Hazardous material sites	Airports
	Schools	Water treatment facilities
	Shelters	Natural gas facilities and pipelines
	Day care centers	Oil facilities and pipelines
	Nursing homes	Communications facilities
	Main government buildings	

Economic Assets

Economic assets at risk may include major employers or primary economic sectors, such as agriculture, whose losses or inoperability would have severe impacts on the community and its ability to recover from disaster.

Economic Assets (Major Employers, etc)

Asset	Address	Product/ Service	Value (if known)	Number of Employees	Hazards

*No
CHANGE*

HISTORIC HAZARD EVENTS

Please fill out the sheet on the next page for each significant hazard event that affected Your Jurisdiction. Make as many copies as necessary to record all events and complete with as much detail as possible. This includes all events associated with the hazards listed below that have caused previous damage in your jurisdiction. It is especially important to capture events that either were not included in the previous Hazard Mitigation Plan or occurred since the plan was completed. Attach supporting documentation, photocopies of newspaper articles, or other original sources.

Jurisdiction	
Type of event	
Nature and magnitude of event	
Location	
Date of event	
Injuries	
Deaths	NO
Property damage	
Infrastructure damage	Change
Crop damage	
Business/economic impacts	
Road/school/other closures	
Other damage	
Insured losses	
Federal/state disaster relief funding	
Source of Information	
Comments	

HISTORIC HAZARD EVENTS (continued)

Please fill out the sheet on the next page for each significant hazard event that affected Your Jurisdiction. Make as many copies as necessary to record all events and complete with as much detail as possible. This includes all events associated with the hazards listed below that have caused previous damage in your Jurisdiction. It is especially important to capture events that either were not included in the previous Hazard Mitigation Plan or occurred since the plan was completed. Attach supporting documentation, photocopies of newspaper articles, or other original sources.

Jurisdiction	
Type of event	
Nature and magnitude of event	
Location	
Date of event	
Injuries	
Deaths	
Property damage	
Infrastructure damage	No change
Crop damage	
Business/economic impacts	
Road/school/other closures	
Other damage	
Insured losses	
Federal/state disaster relief funding	
Source of information	
Comments	

ASSESSMENT OF PREVIOUSLY PROPOSED ACTIONS

Jurisdiction: _____

The contractor/plan development facilitator has provided a list of actions proposed in the previously approved plan for each jurisdiction. Use the worksheet below to evaluate whether each action is still current, feasible, desirable, and/or creates benefit that outweighs the cost.

The worksheet should include information on the status of the action and progress made in implementation, if any. This includes:

- For **completed actions** provide a description of the implementation process. This may be a success story you would like to publicize in your community.
- Some of the actions might have been **ongoing** in nature, such public information and education programs. When this is the case, indicate what activity has occurred during the previous five years, and indicate if this program is still viable enough that it should be carried on into the future.
- If **no progress** has been made in the implementation of a given action, discuss why. Note that implementation is not a requirement. However, if no progress has been made, perhaps this is an action that would be appropriate to delete in the updated plan.

During review of the previously approved actions, consider whether any new actions should be proposed. Perhaps damages from a recent hazard event have indicated the need for new approaches to protect property and life. Review the problem statements from the updated plan for ideas. Also review the FEMA publication *Mitigation Ideas: A Resource for Reducing Risk to Natural Hazards (January 2013)*.

#	Action	Status			Description of Implementation Activities or Reasons for Lack of Progress	Keep - ✓ Delete - X Modify - M
		Complete	Ongoing	No Progress		
		No change				

Multi-Jurisdictional Hazard Mitigation Plan
Data Collection Questionnaire
For Small Local Governments

County: Pike County

Jurisdiction: City of Bowling Green, Missouri

Return by: _____

Please complete this data collection questionnaire as accurately and completely as possible as this information will appear in the mitigation plan. A data collection questionnaire must be completed for each "jurisdiction" that wishes to be included in the plan. According to FEMA's definition a jurisdiction is any local government, including counties, municipalities, cities, towns, school districts, special districts, councils of government, and tribal organizations. Any of these entities as well as publicly funded colleges and universities that do not participate in the planning process **will not** be eligible applicants for FEMA mitigation funding programs. Please note: School Districts and other Educational Institutions should complete the Data Collection Questionnaire indicated "For School Districts and Educational Institutions".

Prepared by: Linda Luebrecht

Phone: 573-324-5451

Email: lluebrecht@bowlinggreen-mo.gov

Date: October 15, 2021

Please return questionnaires by mail, email, or fax to:

Name: _____

Address: _____

Email: _____

Fax: _____

CAPABILITY ASSESSMENT & INCORPORATION OF EXISTING PLANS, STUDIES, REPORTS AND TECHNICAL INFORMATION

The purpose of this section is to collect information to document existing capabilities as well as determine existing plans, studies, reports, and technical information that may need to be incorporated in the mitigation plan. Although some of this information may have been captured in your previous mitigation plan, it is important to ensure this information is current in the plan update

Please indicate which of the following your jurisdiction has in place. For elements that do not pertain to your type of public entity, please indicate with "N/A". If applicable, please provide a completion date for the element. If your jurisdiction does not have a particular element, and a higher level of government has the authority pertaining to your jurisdiction, please indicate this in the comments column. If your jurisdiction has any of the **underlined and bolded** elements, please provide a copy of the document to the contact listed on the front and indicate method in the comments column (i.e. available on the web, will email or mail).

Element	Yes, No, N/A	Comments and/or Weblink
Planning Capabilities		
Comprehensive or Land-Use Plan		Date: 2011
Capital Improvement Plan		Date: no
Transportation Plan / Highway Department		Date: 2011
Emergency Operations Plan		Date: 2004
Local Recovery Plan		Date: no
Debris Management Plan		Date: no
Firewise or other fire mitigation plan		Date: no
Economic Development Plan		Date: no
Policies/Ordinance		
Zoning Ordinance	Section 405.010	City Ordinance
Building Code	Section 500.010	Version: 2015 IBC
Floodplain Ordinance	Section 415.010	Date: 1996
Drainage/Stormwater Ordinance	Section 435.010	City Ordinance
Site Plan Review Requirements	Section 500.285	City Ordinance
Historic Preservation Ordinance	Section 415.280	City Ordinance

Element	Yes, No, N/A	Comments and/or Weblink
Program		
National Flood Insurance Program (NFIP)	yes	
NFIP Community Rating System (CRS) program	yes	If so, what is your current level rating?
National Weather Service (NWS) Storm Ready Certification	no	
Firewise Community Certification	no	
Building Code Effectiveness Grading (BCEGs)	5	
ISO Fire Rating	Rating: 5	
Public Education or information programs (i.e., responsible water use, fire safety, household preparedness, or environmental education)	no	
Mutual Aid Agreements	yes	
Studies/Reports/Maps		
Critical Facilities Inventory	no	
Vulnerable Population Inventory	no	
Staff/Department		Full Time or Part Time?
Building Code Official / Building Inspector	yes	full time
Engineer	no	
Development Planner	no	
NFIP Floodplain Administrator	yes	full time
Mapping Specialist (GIS)	no	
Public Works Official	yes	contracted full time
Emergency Management Coordinator	yes	full time
Local Emergency Planning Committee	no	
Sanitation Department	no	
Highway/Transportation Department	no	
Economic Development Department	no	
Housing Department	no	
Historic Preservation	no	

Element	Yes, No, N/A	Comments and/or Weblink
Non-Governmental Organizations (NGOs)	Is there a local chapter? Yes or No	
American Red Cross	no	
Salvation Army	no	
Veterans Groups	yes	VFW
Local Environmental Organization	no	
Homeowner Associations	no	
Neighborhood Associations	no	
Chamber of Commerce	yes	
Community Organizations (Lions, Kiwanis, etc.	yes	Lions, Rotary
Financial Resources		Is your jurisdiction able to? Yes or No
Apply for Community Development Block Grants		yes
Fund projects thru Capital Improvements funding		yes
Authority to levy taxes for specific purposes		yes
Fees for water, sewer, gas, or electric services		yes
Impact fees for new development		no
Incur debt through general obligation bonds		yes
Incur debt through special tax bonds		yes
Incur debt through private activities		yes
Withhold spending in hazard prone areas		no

For plan updates, the plan maintenance process outlined in your previous plan requires all participating jurisdictions to incorporate the requirements of the mitigation plan into other planning mechanisms, when appropriate. A key element of effective implementation of mitigation is for the mitigation plan to be incorporated in existing authorities, policies, programs, and resources. Next to each applicable planning mechanism, indicate how your jurisdiction incorporated the previous mitigation plan. If no incorporation has occurred, please explain, including background information detailing any challenges preventing incorporation.

Planning Capabilities	Method of Incorporation Since Previous Plan or Challenges Preventing Incorporation
Comprehensive or Land-Use Plan	none of these listed
Capital Improvement Plan	
Transportation Plan / Highway Department	
Emergency Operations Plan	
Local Recovery Plan	
Debris Management Plan	
Firewise or other fire mitigation plan	
Economic Development Plan	

Additional Questions

1. How is your government structure organized? (Commission, Mayor/City Council, how many members)
Mayor and six Aldermen (two for each ward)

2. List any other past or ongoing projects or programs designed to reduce disaster losses, these may include projects to protect critical facilities. Be sure to include pending or approved projects submitted for FEMA mitigation grants.

None

3. Describe any hazard-related concerns or issues regarding the vulnerability of special needs populations, such as the elderly, disabled, low-income, or migrant farm workers.

None

4. How many outdoor warning sirens are in your community?

5

How are they activated (indicate responsible department/personnel)?

Pike County Sheriff's Department

5. Does your community utilize any other warning systems such as Cable Override, Reverse 911, etc? If so, please describe.

No

6. Does your community have designated public tornado shelters/saferooms? If so, are they constructed in accordance with FEMA standards?

No

Please provide address locations:

7. Identify residential, commercial, and industrial development in your jurisdiction since last plan update.
Industrial building to be constructed in next calendar year (ground work in progress now)
Commercial building (bank) in progress

8. Describe development trends and expected growth areas. Is any new development expected to occur in the 100-year floodplain? Is any new development expected to occur in any other known hazard areas? If possible, please provide a map indicating potential/planned growth areas.

Proposed apartments and/or houses. Apartment complex off Business 61 North and apartment complex on Sharry Street between Champ Clark Dr and Business 61 South. Possible housing off 20th Street south of Main Street which a portion may lie in the 100-year floodway

9. Are any new facilities or infrastructure planned for construction during the next five years? If so, please provide facility name and purpose along with proposed locations, if known.

Infrastructure (water and sewer) along West Locust west of Business 61 North, and on Kincaid and one block each 11th, 12th, and 13th streets

10. Please list major employers in your jurisdiction with an estimated number of employees.

Northeast Correction Center	600
Pike County Courthouse	100
True Manufacturing	350
NECAC	300
Walmart	150
Daffron & Associates	50
Bowling Green Schools	170

11. Please list Mitigation Planning Committee members who served during the development of the previously approved plan.

JD Kehrman, Mel Orf, Mel Meyer, Bo Stinnett, Barb Allison

Was the process set forth for monitoring the implementation of the previously approved mitigation plan adhered to? **Yes**

Did the Committee meet as was specified in the previously approved plan? **Yes**
Why or why not?

12. Describe your jurisdiction's participation in the NFIP. Include information about how compliance with the NFIP is enforced locally.

VULNERABILITY ASSESSMENT

The purpose of this worksheet is to assess the vulnerable buildings, populations, critical facilities, infrastructure, and other important assets in your community by using the best available data to complete the table. Use the table on the next page to compile a detailed inventory of specific assets at risk including critical facilities and infrastructure; natural, cultural, and historical assets; and economic assets. In the natural hazard column of the asset inventory table, indicate (by assigned abbreviation) which of the following hazards the asset is vulnerable to:

Natural Hazards	
Flooding (Major & Flash) - RF	Drought - D
Levee Failure - LF	Extreme Temperature - ET
Dam Failure - DF	Severe Thunderstorm (incl. winds, hail, lightning) - ST
Earthquake - EQ	Severe Winter Weather (incl. snow, ice, severe cold) - SWW
Land Subsidence / Sinkholes - LSS	Tornadoes - T
Drought - D	Wildfire - WF

Critical Facilities and Infrastructure

A critical facility may be defined as one that is essential in providing utility or direction either during the response to an emergency or during the recovery operation. FEMA's HAZUS-MH loss estimation software uses the following three categories of critical assets. 'Essential facilities' are those that if damaged would have devastating impacts on disaster response and/or recovery. 'High potential loss facilities' are those that would have a high loss or impact on the community. Transportation and lifeline facilities are third category of critical assets; examples are provided below.

Essential Facilities

Hospitals and other medical facilities
Police stations
Fire station
Emergency Operations Centers

High Potential Loss Facilities

Power plants
Dams/levees
Military installations
Hazardous material sites
Schools
Shelters
Day care centers
Nursing homes
Main government buildings

Transportation and Lifeline

Highways, bridges, and tunnels
Railroads and facilities
Bus facilities
Airports
Water treatment facilities
Natural gas facilities and pipelines
Oil facilities and pipelines
Communications facilities

Economic Assets

Economic assets at risk may include major employers or primary economic sectors, such as agriculture, whose losses or inoperability would have severe impacts on the community and its ability to recover from disaster.

Asset Inventory

Please list critical facilities and other community assets, the square feet, values, and occupancy/capacity. If not applicable, enter "N/A"). In the last column, use the codes from the previous page to indicate hazards to which the asset is vulnerable. Add as many rows as needed. If this information is available in GIS format, please provide.

Critical Facilities

Name of Asset	Address	Area (sq.ft.)	Replacement Value (Insured) (\$)	Contents Value (\$)	Occupancy/ Capacity (#)	Natural Hazards
<u>Essential Facilities</u> such as hospitals and other medical facilities, police and fire stations, Emergency Operations Centers						
BG Police Department	15 W Church St	3,480				All
BG Fire Department	16 W Church St	5,356				All
PCMH Bowling Green Clinic	1015 W Adams	7,584				All
Bowling Green Medical Group	905 Highway 161	3,030				All
Hannibal Regional Medical Group	8 Town Center Dr	?				All
PCMH Walk-In Clinic	1420 S Business Hwy 61	?				All
Hannibal Clinic	710 Business Hwy 61 S	?				All
Pike County Ambulance	Business Highway 54 West	3,040				All
Pike County Sheriff's Office	1600 Business Highway 54 W	9,695				All

Name of Asset	Address	Area (sq.ft.)	Replacement Value (Insured) (\$)	Contents Value (\$)	Occupancy/ Capacity (#)	Natural Hazards
<u>High Potential Loss Facilities</u> such as power plants, dams/levees, military installations, hazardous materials sites, shelters, day care centers, nursing homes, main government buildings (Do not include schools—they will be reported by the school districts)						
Peno Creek Energy Center	Industrial Park Drive					All
Parkside Manor	300 S St Charles	14,393				All
Country View Nursing Facility	2106 W Main Street	18,280				All
Bowling Green Residential	119 W Centennial	10,237				All
BG Housing Authority	510 W Champ Clark Dr	44,411				All
Northeast Correctional Center	13698 Airport Rd	237,212				All
Learning Center	801B Highway 61 S	6,781				All
Head Start	1903 W Locust	6,600				All
Robie Orf	1011 Bus Hwy 161 S	1,668				All
Mandy Haynes Burnett	512 South 15 th Street	1,520				All
Alyssa Sloan	505 South 16 th St	1,344				All
Karen Tophinke	501 N St Charles	1,320				All
Transportation and Lifelines such as highways, bridges, tunnels; railroads and facilities, bus facilities, airports, water treatment facilities, natural gas facilities and pipelines, oil facilities, oil facilities and pipelines, communications facilities						
BG Reservoir	Pike 282					All
BG Wastewater Plant	13682 Airport Road					All
BG Water Plant	16568 Pike 282	7,842				All
BG Municipal Airport	Airport Road					All

***If replacement cost data is not available, use the best available data (assessed valuation or other method for estimating cost) and explain any data deficiencies.**

Economic Assets (Major Employers, etc)

Asset	Address	Product/ Service	Value (if known)	Number of Employees	Hazards
Northeast Correctional Center	13698 Airport Road	Prison		600	
Pike County Courthouse	115 West Main St	County Employees		100	
True Manufacturing	Industrial Drive	Manufacturer		350	
NECAC	16 North Court			300	
Walmart	3 Town Center	Retail		150	
Daffron & Associates	1 Solution Place	Software company		50	
Bowling Green Schools	West Adams & Bus 61	education		170	

Cont'd from page 10.....

Government Building 16 W Church St 5,356' 6 employees

Hazardous Materials

Ferrellgas 822 VFW Road 392'
MFA Oil 1407 W Locust 1,642'
Ayers Oil Business Highway 61 N 5,167'

HISTORIC HAZARD EVENTS

Please fill out the sheet on the next page for each significant hazard event that affected **Your Jurisdiction**. **Make as many copies as necessary to record all events** and complete with as much detail as possible. This includes all events associated with the hazards listed below that have caused previous damage in your jurisdiction. It is especially important to capture events that either were not included in the previous Hazard Mitigation Plan or occurred since the plan was completed. Attach supporting documentation, photocopies of newspaper articles, or other original sources.

Jurisdiction	City of Bowling Green
Type of event	Flood
Nature and magnitude of event	Flash flood
Location	Pike County
Date of event	May 10, 2003
Injuries	None
Deaths	None
Property damage	Road and spillway washed out
Infrastructure damage	None
Crop damage	n/a
Business/economic impacts	None
Road/school/other closures	?
Other damage	Rip rap washed away at lake
Insured losses	?
Federal/state disaster relief funding	Yes
Source of information	City files
Comments	Incident happened prior to a mitigation plan

HISTORIC HAZARD EVENTS (continued)

Please fill out the sheet on the next page for each significant hazard event that affected **Your Jurisdiction**. **Make as many copies as necessary to record all events** and complete with as much detail as possible. This includes all events associated with the hazards listed below that have caused previous damage in your jurisdiction. It is especially important to capture events that either were not included in the previous Hazard Mitigation Plan or occurred since the plan was completed. Attach supporting documentation, photocopies of newspaper articles, or other original sources.

Jurisdiction	
Type of event	
Nature and magnitude of event	
Location	
Date of event	
Injuries	
Deaths	
Property damage	
Infrastructure damage	
Crop damage	
Business/economic impacts	
Road/school/other closures	
Other damage	
Insured losses	
Federal/state disaster relief funding	
Source of information	
Comments	

ASSESSMENT OF PREVIOUSLY PROPOSED ACTIONS

Jurisdiction: _____

The contractor/plan development facilitator has provided a list of actions proposed in the previously approved plan for each jurisdiction. Use the worksheet below to evaluate whether each action is still current, feasible, desirable, and/or creates benefit that outweighs the cost.

The worksheet should include information on the status of the action and progress made in implementation, if any. This includes:

- For **completed actions** provide a description of the implementation process. This may be a success story you would like to publicize in your community.
- Some of the actions might have been **ongoing** in nature, such public information and education programs. When this is the case, indicate what activity has occurred during the previous five years, and indicate if this program is still viable enough that it should be carried on into the future.
- If **no progress** has been made in the implementation of a given action, discuss why. Note that implementation is not a requirement. However, if no progress has been made, perhaps this is an action that would be appropriate to delete in the updated plan.

During review of the previously approved actions, consider whether any new actions should be proposed. Perhaps damages from a recent hazard event have indicated the need for new approaches to protect property and life. Review the problem statements from the updated plan for ideas. Also review the FEMA publication *Mitigation Ideas: A Resource for Reducing Risk to Natural Hazards (January 2013)*.

#	Action	Status			Description of Implementation Activities or Reasons for Lack of Progress	Keep – ✓ Delete – X Modify – M
		Complete	Ongoing	No Progress		

#	Action	Status			Description of Implementation Activities or Reasons for Lack of Progress	Keep – ✓ Delete – X Modify – M
		Complete	Ongoing	No Progress		

Multi-Jurisdictional Hazard Mitigation Plan

Data Collection Questionnaire

For Small Local Governments

County: Pike

Jurisdiction: Clarksville

Return by: _____

Please complete this data collection questionnaire as accurately and completely as possible as this information will appear in the mitigation plan. A data collection questionnaire must be completed for each "jurisdiction" that wishes to be included in the plan. According to FEMA's definition a jurisdiction is any local government, including counties, municipalities, cities, towns, school districts, special districts, councils of government, and tribal organizations. Any of these entities as well as publicly funded colleges and universities that do not participate in the planning process **will not** be eligible applicants for FEMA mitigation funding programs. Please note: School Districts and other Educational Institutions should complete the Data Collection Questionnaire indicated "For School Districts and Educational Institutions".

Prepared by: Jennifer Calvin

Phone: 573-242-3336

Email: cityclerk@clarksville.mo.us

Date: 10-11-21

Please return questionnaires by mail, email, or fax to:

Name: _____

Address: _____

Email: _____

Fax: _____

CAPABILITY ASSESSMENT & INCORPORATION OF EXISTING PLANS, STUDIES, REPORTS AND TECHNICAL INFORMATION

The purpose of this section is to collect information to document existing capabilities as well as determine existing plans, studies, reports, and technical information that may need to be incorporated in the mitigation plan. Although some of this information may have been captured in your previous mitigation plan, it is important to ensure this information is current in the plan update

Please indicate which of the following your jurisdiction has in place. For elements that do not pertain to your type of public entity, please indicate with "N/A". If applicable, please provide a completion date for the element. If your jurisdiction does not have a particular element, and a higher level of government has the authority pertaining to your jurisdiction, please indicate this in the comments column. If your jurisdiction has any of the underlined and bolded elements, please provide a copy of the document to the contact listed on the front and indicate method in the comments column (i.e. available on the web, will email or mail).

Element	Yes, No, N/A	Comments and/or Weblink
Planning Capabilities		
Comprehensive or Land-Use Plan	NO	Date:
Capital Improvement Plan	NO	Date:
Transportation Plan / Highway Department	yes	Date:
Emergency Operations Plan	yes	Date:
Local Recovery Plan	NO	Date:
Debris Management Plan	yes	Date:
Firewise or other fire mitigation plan	yes	Date:
Economic Development Plan	yes	Date:
Policies/Ordinance		
Zoning Ordinance	yes	
Building Code	yes	Version:
Floodplain Ordinance	yes	Date:
Drainage/Stormwater Ordinance	NO	
Site Plan Review Requirements	NO	
Historic Preservation Ordinance	NO	

Element	Yes, No, N/A	Comments and/or Weblink
Program		
National Flood Insurance Program (NFIP)	yes	
NFIP Community Rating System (CRS) program	yes	If so, what is your current level rating?
National Weather Service (NWS) Storm Ready Certification	yes	
Firewise Community Certification	yes	
Building Code Effectiveness Grading (BCEGs)	No	
ISO Fire Rating	Rating: No	
Public Education or information programs (i.e., responsible water use, fire safety, household preparedness, or environmental education)	No	
Mutual Aid Agreements	yes	
Studies/Reports/Maps		
Critical Facilities Inventory	No	
Vulnerable Population Inventory	No	
Staff/Department		Full Time or Part Time?
Building Code Official / Building Inspector	No	
Engineer	No	
Development Planner	No	
NFIP Floodplain Administrator	No yes	
Mapping Specialist (GIS)	No	
Public Works Official	No	
Emergency Management Coordinator	No	
Local Emergency Planning Committee	No	
Sanitation Department	No	
Highway/Transportation Department	yes	
Economic Development Department	No	
Housing Department	No	
Historic Preservation	No	

Element	Yes, No, N/A	Comments and/or Weblink
Non-Governmental Organizations (NGOs)	Is there a local chapter? Yes or No	
American Red Cross	No	
Salvation Army	No	
Veterans Groups	No	
Local Environmental Organization	No	
Homeowner Associations	No	
Neighborhood Associations	No	
Chamber of Commerce	Yes	
Community Organizations (Lions, Kiwanis, etc.)	Yes	
Financial Resources	Is your jurisdiction able to? Yes or No	
Apply for Community Development Block Grants	Yes	
Fund projects thru Capital Improvements funding	Yes	
Authority to levy taxes for specific purposes	Yes	
Fees for water, sewer, gas, or electric services	Yes	
Impact fees for new development	No	
Incur debt through general obligation bonds	Yes	
Incur debt through special tax bonds	Yes	
Incur debt through private activities	No	
Withhold spending in hazard prone areas	NO	

For plan updates, the plan maintenance process outlined in your previous plan requires all participating jurisdictions to incorporate the requirements of the mitigation plan into other planning mechanisms, when appropriate. A key element of effective implementation of mitigation is for the mitigation plan to be incorporated in existing authorities, policies, programs, and resources. Next to each applicable planning mechanism, indicate how your jurisdiction incorporated the previous mitigation plan. If no incorporation has occurred, please explain, including background information detailing any challenges preventing incorporation.

Planning Capabilities	Method of Incorporation Since Previous Plan or Challenges Preventing Incorporation
Comprehensive or Land-Use Plan	Budget
Capital Improvement Plan	
Transportation Plan / Highway Department	
Emergency Operations Plan	
Local Recovery Plan	
Debris Management Plan	
Firewise or other fire mitigation plan	
Economic Development Plan	

Additional Questions

1. How is your government structure organized? (Commission, Mayor/City Council, how many members)

Mayor 4 Council members

2. List any other past or ongoing projects or programs designed to reduce disaster losses, these may include projects to protect critical facilities. Be sure to include pending or approved projects submitted for FEMA mitigation grants.

Flood Protection System

3. Describe any hazard-related concerns or issues regarding the vulnerability of special needs populations, such as the elderly, disabled, low-income, or migrant farm workers.

Flooding

4. How many outdoor warning sirens are in your community?

2

How are they activated (indicate responsible department/personnel)?

Fire Department

5. Does your community utilize any other warning systems such as Cable Override, Reverse 911, etc? If so, please describe.

NO

6. Does your community have designated public tornado shelters/saferooms? If so, are they constructed in accordance with FEMA standards?

NO

Please provide address locations:

7. Identify residential, commercial and industrial development in your jurisdiction since last plan update.

None

8. Describe development trends and expected growth areas. Is any new development expected to occur in the 100-year floodplain? Is any new development expected to occur in any other known hazard areas? If possible, please provide a map indicating potential/planned growth areas.

NO

9. Are any new facilities or infrastructure planned for construction during the next five years? If so, please provide facility name and purpose along with proposed locations, if known.

~~NO~~ Possible Flood Protection System

10. Please list major employers in your jurisdiction with an estimated number of employees.

11. Please list Mitigation Planning Committee members who served during the development of the previously approved plan. Was the process set forth for monitoring the implementation of the previously approved mitigation plan adhered to? Did the Committee meet as was specified in the previously approved plan? Why or why not?

Mayor Smiley and Jennifer Calvin, Clerk

12. Describe your jurisdiction's participation in the NFIP. Include information about how compliance with the NFIP is enforced locally.

VULNERABILITY ASSESSMENT

The purpose of this worksheet is to assess the vulnerable buildings, populations, critical facilities, infrastructure, and other important assets in your community by using the best available data to complete the table. Use the table on the next page to compile a detailed inventory of specific assets at risk including critical facilities and infrastructure; natural, cultural, and historical assets; and economic assets. In the natural hazard column of the asset inventory table, indicate (by assigned abbreviation) which of the following hazards the asset is vulnerable to:

Natural Hazards	
Flooding (Major & Flash) - RF	Drought - D
Levee Failure - LF	Extreme Temperature - ET
Dam Failure - DF	Severe Thunderstorm (incl. winds, hail, lightning) - ST
Earthquake - EQ	Severe Winter Weather (incl. snow, ice, severe cold) - SWW
Land Subsidence / Sinkholes - LSS	Tornadoes - T
Drought - D	Wildfire - WF

Critical Facilities and Infrastructure

A critical facility may be defined as one that is essential in providing utility or direction either during the response to an emergency or during the recovery operation. FEMA's HAZUS-MH loss estimation software uses the following three categories of critical assets. 'Essential facilities' are those that if damaged would have devastating impacts on disaster response and/or recovery. 'High potential loss facilities' are those that would have a high loss or impact on the community. Transportation and lifeline facilities are third category of critical assets; examples are provided below.

Essential Facilities

Hospitals and other medical facilities
Police stations
Fire station
Emergency Operations Centers

High Potential Loss Facilities

Power plants
Dams/levees
Military installations
Hazardous material sites
Schools
Shelters
Day care centers
Nursing homes
Main government buildings

Transportation and Lifeline

Highways, bridges, and tunnels
Railroads and facilities
Bus facilities
Airports
Water treatment facilities
Natural gas facilities and pipelines
Oil facilities and pipelines
Communications facilities

Economic Assets

Economic assets at risk may include major employers or primary economic sectors, such as agriculture, whose losses or inoperability would have severe impacts on the community and its ability to recover from disaster.

Asset Inventory

Please list critical facilities and other community assets, the square feet, values, and occupancy/capacity. If not applicable, enter "N/A". In the last column, use the codes from the previous page to indicate hazards to which the asset is vulnerable. Add as many rows as needed. If this information is available in GIS format, please provide.

Critical Facilities

Name of Asset	Address	Area (sq.ft.)	Replacement Value (Insured) (\$)	Contents Value (\$)	Occupancy/ Capacity (#)	Natural Hazards
<u>Essential Facilities such as hospitals and other medical facilities, police and fire stations, Emergency Operations Centers</u>						
Fire Station						RF
City Hall						RF

Economic Assets (Major Employers, etc)

Asset	Address	Product/ Service	Value (if known)	Number of Employees	Hazards

HISTORIC HAZARD EVENTS

Please fill out the sheet on the next page for each significant hazard event that affected **Your Jurisdiction**. **Make as many copies as necessary to record all events** and complete with as much detail as possible. This includes all events associated with the hazards listed below that have caused previous damage in your jurisdiction. It is especially important to capture events that either were not included in the previous Hazard Mitigation Plan or occurred since the plan was completed. Attach supporting documentation, photocopies of newspaper articles, or other original sources.

Jurisdiction	Clarksville
Type of event	Flooding
Nature and magnitude of event	almost every year
Location	in downtown district
Date of event	
Injuries	
Deaths	
Property damage	
Infrastructure damage	
Crop damage	
Business/economic impacts	
Road/school/other closures	
Other damage	
Insured losses	
Federal/state disaster relief funding	
Source of information	
Comments	

HISTORIC HAZARD EVENTS (continued)

Please fill out the sheet on the next page for each significant hazard event that affected **Your Jurisdiction**. **Make as many copies as necessary to record all events** and complete with as much detail as possible. This includes all events associated with the hazards listed below that have caused previous damage in your jurisdiction. It is especially important to capture events that either were not included in the previous Hazard Mitigation Plan or occurred since the plan was completed. Attach supporting documentation, photocopies of newspaper articles, or other original sources.

Jurisdiction	
Type of event	
Nature and magnitude of event	
Location	
Date of event	
Injuries	
Deaths	
Property damage	
Infrastructure damage	
Crop damage	
Business/economic impacts	
Road/school/other closures	
Other damage	
Insured losses	
Federal/state disaster relief funding	
Source of information	
Comments	

ASSESSMENT OF PREVIOUSLY PROPOSED ACTIONS

Jurisdiction: _____

The contractor/plan development facilitator has provided a list of actions proposed in the previously approved plan for each jurisdiction. Use the worksheet below to evaluate whether each action is still current, feasible, desirable, and/or creates benefit that outweighs the cost.

The worksheet should include information on the status of the action and progress made in implementation, if any. This includes:

- For **completed actions** provide a description of the implementation process. This may be a success story you would like to publicize in your community.
- Some of the actions might have been **ongoing** in nature, such public information and education programs. When this is the case, indicate what activity has occurred during the previous five years, and indicate if this program is still viable enough that it should be carried on into the future.
- If **no progress** has been made in the implementation of a given action, discuss why. Note that implementation is not a requirement. However, if no progress has been made, perhaps this is an action that would be appropriate to delete in the updated plan.

During review of the previously approved actions, consider whether any new actions should be proposed. Perhaps damages from a recent hazard event have indicated the need for new approaches to protect property and life. Review the problem statements from the updated plan for ideas. Also review the FEMA publication *Mitigation Ideas: A Resource for Reducing Risk to Natural Hazards (January 2013)*.

#	Action	Status			Description of Implementation Activities or Reasons for Lack of Progress	Keep - ✓ Delete - X Modify - M
		Complete	Ongoing	No Progress		
	Floodwall		X	X	Lack of Funding	

Multi-Jurisdictional Hazard Mitigation Plan
Data Collection Questionnaire
For Small Local Governments

County: Pike

Jurisdiction: Louisiana

Return by: _____

Please complete this data collection questionnaire as accurately and completely as possible as this information will appear in the mitigation plan. A data collection questionnaire must be completed for each "jurisdiction" that wishes to be included in the plan. According to FEMA's definition a jurisdiction is any local government, including counties, municipalities, cities, towns, school districts, special districts, councils of government, and tribal organizations. Any of these entities as well as publicly funded colleges and universities that do not participate in the planning process **will not** be eligible applicants for FEMA mitigation funding programs. Please note: School Districts and other Educational Institutions should complete the Data Collection Questionnaire indicated "For School Districts and Educational Institutions".

Prepared by: Kelly Anderson

Phone: _____

Email: _____

Date: _____

Please return questionnaires by mail, email, or fax to:

Name: _____

Address: _____

Email: _____

Fax: _____

CAPABILITY ASSESSMENT & INCORPORATION OF EXISTING PLANS, STUDIES, REPORTS AND TECHNICAL INFORMATION

The purpose of this section is to collect information to document existing capabilities as well as determine existing plans, studies, reports, and technical information that may need to be incorporated in the mitigation plan. Although some of this information may have been captured in your previous mitigation plan, it is important to ensure this information is current in the plan update

Please indicate which of the following your jurisdiction has in place. For elements that do not pertain to your type of public entity, please indicate with "N/A". If applicable, please provide a completion date for the element. If your jurisdiction does not have a particular element, and a higher level of government has the authority pertaining to your jurisdiction, please indicate this in the comments column. If your jurisdiction has any of the **underlined and bolded** elements, please provide a copy of the document to the contact listed on the front and indicate method in the comments column (i.e. available on the web, will email or mail).

Element	Yes, No, N/A	Comments and/or Weblink
Planning Capabilities		
Comprehensive or Land-Use Plan	YES	Date:
Capital Improvement Plan	YES	Date:
Transportation Plan / Highway Department	YES	Date:
Emergency Operations Plan	YES	Date:
Local Recovery Plan	YES	Date:
Debris Management Plan	YES	Date:
Firewise or other fire mitigation plan	NA	Date:
Economic Development Plan	YES	Date:
Policies/Ordinance		
Zoning Ordinance	YES	
Building Code	YES	Version:
Floodplain Ordinance	YES	Date:
Drainage/Stormwater Ordinance	YES	
Site Plan Review Requirements	YES	
Historic Preservation Ordinance	YES	

Element	Yes, No, N/A	Comments and/or Weblink
Program		
National Flood Insurance Program (NFIP)	YES	
NFIP Community Rating System (CRS) program	NO	If so, what is your current level rating?
National Weather Service (NWS) Storm Ready Certification	NO	
Firewise Community Certification	NO	
Building Code Effectiveness Grading (BCEGs)	NO	
ISO Fire Rating	Rating: 06/6X	
Public Education or information programs (i.e., responsible water use, fire safety, household preparedness, or environmental education)	NO	
Mutual Aid Agreements	YES	
Studies/Reports/Maps		
Critical Facilities Inventory		
Vulnerable Population Inventory		
Staff/Department		Full Time or Part Time?
Building Code Official / Building Inspector	YES	Full time
Engineer	YES	contract as needed
Development Planner	NO	
NFIP Floodplain Administrator	YES	Full time
Mapping Specialist (GIS)	NO	
Public Works Official	YES	Full time
Emergency Management Coordinator	YES	Full
Local Emergency Planning Committee	YES	County
Sanitation Department	YES	by contract
Highway/Transportation Department	YES	Full
Economic Development Department	YES	Part
Housing Department	NO	
Historic Preservation	YES	County

Element	Yes, No, N/A	Comments and/or Weblink
Non-Governmental Organizations (NGOs)	Is there a local chapter? Yes or No	
American Red Cross	NO	
Salvation Army	NO	
Veterans Groups	YES	
Local Environmental Organization	NO	
Homeowner Associations	NO	
Neighborhood Associations	NO	
Chamber of Commerce	YES	
Community Organizations (Lions, Kiwanis, etc.)	YES	
Financial Resources	Is your jurisdiction able to? Yes or No	
Apply for Community Development Block Grants	YES	
Fund projects thru Capital Improvements funding	YES	
Authority to levy taxes for specific purposes	YES	
Fees for water, sewer, gas, or electric services	YES	
Impact fees for new development	NO	
Incur debt through general obligation bonds	YES	
Incur debt through special tax bonds	YES	
Incur debt through private activities	YES	
Withhold spending in hazard prone areas	yes	

For plan updates, the plan maintenance process outlined in your previous plan requires all participating jurisdictions to incorporate the requirements of the mitigation plan into other planning mechanisms, when appropriate. A key element of effective implementation of mitigation is for the mitigation plan to be incorporated in existing authorities, policies, programs, and resources. Next to each applicable planning mechanism, indicate how your jurisdiction incorporated the previous mitigation plan. If no incorporation has occurred, please explain, including background information detailing any challenges preventing incorporation.

Planning Capabilities	Method of Incorporation Since Previous Plan or Challenges Preventing Incorporation
Comprehensive or Land-Use Plan	N/A
Capital Improvement Plan	N/A
Transportation Plan / Highway Department	per MDOT
Emergency Operations Plan	per Pike County Plan
Local Recovery Plan	None
Debris Management Plan	per FEMA
Firewise or other fire mitigation plan	None
Economic Development Plan	None

Additional Questions

1. How is your government structure organized? (Commission, Mayor/City Council, how many members)

Mayor / 8 city council

2. List any other past or ongoing projects or programs designed to reduce disaster losses, these may include projects to protect critical facilities. Be sure to include pending or approved projects submitted for FEMA mitigation grants:

Siren grants
Generator grant

3. Describe any hazard-related concerns or issues regarding the vulnerability of special needs populations, such as the elderly, disabled, low-income, or migrant farm workers.

Flooding

4. How many outdoor warning sirens are in your community?

4

How are they activated (indicate responsible department/personnel)?

Pike 911

5. Does your community utilize any other warning systems such as Cable Override, Reverse 911, etc? If so, please describe.

Cable override

6. Does your community have designated public tornado shelters/saferooms? If so, are they constructed in accordance with FEMA standards?

NO

Please provide address locations:

7. Identify residential, commercial and industrial development in your jurisdiction since last plan update.

Industrial Park (Veolia)
West Industrial Drive

8. Describe development trends and expected growth areas. Is any new development expected to occur in the 100-year floodplain? Is any new development expected to occur in any other known hazard areas? If possible, please provide a map indicating potential/planned growth areas.

trend is steady to slight decline
no development in 100 year flood plain
NO/none

9. Are any new facilities or infrastructure planned for construction during the next five years? If so, please provide facility name and purpose along with proposed locations, if known.

no

10. Please list major employers in your jurisdiction with an estimated number of employees.

already done -

11. Please list Mitigation Planning Committee members who served during the development of the previously approved plan. Was the process set forth for monitoring the implementation of the previously approved mitigation plan adhered to? Did the Committee meet as was specified in the previously approved plan? Why or why not?

no

12. Describe your jurisdiction's participation in the NFIP. Include information about how compliance with the NFIP is enforced locally.

Local Flood Plain Official
Jeff Windmiller

VULNERABILITY ASSESSMENT

The purpose of this worksheet is to assess the vulnerable buildings, populations, critical facilities, infrastructure, and other important assets in your community by using the best available data to complete the table. Use the table on the next page to compile a detailed inventory of specific assets at risk including critical facilities and infrastructure; natural, cultural, and historical assets; and economic assets. In the natural hazard column of the asset inventory table, indicate (by assigned abbreviation) which of the following hazards the asset is vulnerable to:

Natural Hazards	
Flooding (Major & Flash) - RF	Drought - D
Levee Failure - LF	Extreme Temperature - ET
Dam Failure - DF	Severe Thunderstorm (incl. winds, hail, lightning) - ST
Earthquake - EQ	Severe Winter Weather (incl. snow, ice, severe cold) - SWW
Land Subsidence / Sinkholes - LSS	Tornadoes - T
Drought - D	Wildfire - WF

Critical Facilities and Infrastructure

A critical facility may be defined as one that is essential in providing utility or direction either during the response to an emergency or during the recovery operation. FEMA's HAZUS-MH loss estimation software uses the following three categories of critical assets. 'Essential facilities' are those that if damaged would have devastating impacts on disaster response and/or recovery. 'High potential loss facilities' are those that would have a high loss or impact on the community. Transportation and lifeline facilities are third category of critical assets; examples are provided below.

Essential Facilities

Hospitals and other medical facilities
Police stations
Fire station
Emergency Operations Centers

High Potential Loss Facilities

Power plants
Dams/levees
Military installations
Hazardous material sites
Schools
Shelters
Day care centers
Nursing homes
Main government buildings

Transportation and Lifeline

Highways, bridges, and tunnels
Railroads and facilities
Bus facilities
Airports
Water treatment facilities
Natural gas facilities and pipelines
Oil facilities and pipelines
Communications facilities

Economic Assets

Economic assets at risk may include major employers or primary economic sectors, such as agriculture, whose losses or inoperability would have severe impacts on the community and its ability to recover from disaster.

Asset Inventory

Please list critical facilities and other community assets, the square feet, values, and occupancy/capacity. If not applicable, enter "N/A". In the last column, use the codes from the previous page to indicate hazards to which the asset is vulnerable. Add as many rows as needed. If this information is available in GIS format, please provide.

Critical Facilities

Name of Asset	Address	Area (sq.ft.)	Replacement Value (Insured) (\$)	Contents Value (\$)	Occupancy/Capacity (#)	Natural Hazards
Essential Facilities such as hospitals and other medical facilities, police and fire stations, Emergency Operations Centers						
PC MH	2305 Georgia La. MO 63353					
Dike Medical Clinic	211 S. 3rd St La. MO 63353					
Police Station	202 S. 3rd La. MO 63353					
Fire Dept	202 N. 7th La. MO 63353					
City Hall (possible Emergency)	202 S. 3rd La. MO 63353					

Name of Asset	Address	Area (sq.ft.)	Replacement Value (Insured) (\$)	Contents Value (\$)	Occupancy/Capacity (#)	Natural Hazards
High Potential Loss Facilities such as power plants, dams/levees, military installations, hazardous materials sites, shelters, day care centers, nursing homes, main government buildings (Do not include schools—they will be reported by the school districts)						
City Hall	202 S. 3rd LA MO 63353					
Maple Grove Nursing home	2402 Kentucky LA MO 63353					
Lynn's Nursing home	800 Kelly Lane LA MO 63353					
Transportation and Lifelines such as highways, bridges, and tunnels; railroads and facilities, bus facilities, airports, water treatment facilities, natural gas facilities and pipelines, oil facilities, oil facilities and pipelines, communications facilities						
Water Treatment	101 Tennessee LA MO 63353					
WW Treatment	715 S. Main LA MO 63353					
Highway 29	_____					
Various streets	_____					

*If replacement cost data is not available, use the best available data (assessed valuation or other method for estimating cost) and explain any data deficiencies.

Economic Assets (Major Employers, etc)

Asset	Address	Product/ Service	Value (if known)	Number of Employees	Hazards

No other R:ll o act.

HISTORIC HAZARD EVENTS

Please fill out the sheet on the next page for each significant hazard event that affected **Your Jurisdiction**. Make as many copies as necessary to record all events and complete with as much detail as possible. This includes all events associated with the hazards listed below that have caused previous damage in your jurisdiction. It is especially important to capture events that either were not included in the previous Hazard Mitigation Plan or occurred since the plan was completed. Attach supporting documentation, photocopies of newspaper articles, or other original sources.

Jurisdiction	City of Louisiana
Type of event	Flood
Nature and magnitude of event	Flood
Location	City of Louisiana
Date of event	1973, 1993, 1995, 1998, 2008, 2015, 2017, 2019
Injuries	—
Deaths	—
Property damage	Yes
Infrastructure damage	yes
Crop damage	Not in City limits
Business/economic impacts	Yes
Road/school/other closures	yes
Other damage	Yes
Insured losses	NO
Federal/state disaster relief funding	YES
Source of information	City of Louisiana
Comments	

HISTORIC HAZARD EVENTS (continued)

Please fill out the sheet on the next page for each significant hazard event that affected **Your Jurisdiction**. **Make as many copies as necessary to record all events** and complete with as much detail as possible. This includes all events associated with the hazards listed below that have caused previous damage in your jurisdiction. It is especially important to capture events that either were not included in the previous Hazard Mitigation Plan or occurred since the plan was completed. Attach supporting documentation, photocopies of newspaper articles, or other original sources.

Jurisdiction	
Type of event	
Nature and magnitude of event	
Location	
Date of event	
Injuries	
Deaths	
Property damage	
Infrastructure damage	
Crop damage	
Business/economic impacts	
Road/school/other closures	
Other damage	
Insured losses	
Federal/state disaster relief funding	
Source of information	
Comments	

ASSESSMENT OF PREVIOUSLY PROPOSED ACTIONS

Jurisdiction: _____

The contractor/plan development facilitator has provided a list of actions proposed in the previously approved plan for each jurisdiction. Use the worksheet below to evaluate whether each action is still current, feasible, desirable, and/or creates benefit that outweighs the cost.

The worksheet should include information on the status of the action and progress made in implementation, if any. This includes:

- For **completed actions** provide a description of the implementation process. This may be a success story you would like to publicize in your community.
- Some of the actions might have been **ongoing** in nature, such public information and education programs. When this is the case, indicate what activity has occurred during the previous five years, and indicate if this program is still viable enough that it should be carried on into the future.
- If **no progress** has been made in the implementation of a given action, discuss why. Note that implementation is not a requirement. However, if no progress has been made, perhaps this is an action that would be appropriate to delete in the updated plan.

During review of the previously approved actions, consider whether any new actions should be proposed. Perhaps damages from a recent hazard event have indicated the need for new approaches to protect property and life. Review the problem statements from the updated plan for ideas. Also review the FEMA publication *Mitigation Ideas: A Resource for Reducing Risk to Natural Hazards (January 2013)*.

#	Action	Status			Description of Implementation Activities or Reasons for Lack of Progress	Keep – ✓ Delete – X Modify – M
		Complete	Ongoing	No Progress		

Multi-Jurisdictional Hazard Mitigation Plan

Data Collection Questionnaire

For School Districts and Educational Institutions

County: Pike County _____

School District /
Educational Institution Name: Bowling Green R-I School District (082-100) _____

Return by: 10/15/2021 _____

Please complete this data collection questionnaire as accurately and completely as possible as this information will appear in the mitigation plan. A data collection questionnaire must be completed for each "jurisdiction" that wishes to be included in the plan. According to FEMA's definition a jurisdiction is any local government, including counties, municipalities, cities, towns, school districts, special districts, councils of government, and tribal organizations. Any of these entities as well as publicly funded colleges and universities that do not participate in the planning process **will not** be eligible applicants for FEMA mitigation funding programs.

Prepared by: Matthew Frederickson / Stephen Hunter _____

Phone: 573-324-5441 _____

Email: mfrederickson@bgschools.k12.mo.us _____

Date:10/15/2021 _____

Please return questionnaires by mail, email, or fax to:

Name: Matthew Frederickson _____

Address: 700 West Adams, Bowling Green, MO, 63334 _____

Email: mfrederickson@bgschools.k12.mo.us _____

Fax:573-324- _____

CAPABILITY ASSESSMENT & INCORPORATION OF EXISTING PLANS, STUDIES, REPORTS AND TECHNICAL INFORMATION

The purpose of this section is to collect information to document existing capabilities as well as determine existing plans, studies, reports, and technical information that may need to be incorporated in the mitigation plan.

Please indicate which of the following your school district / institution has in place. For elements that do not pertain to you, please indicate with "N/A". If applicable, please provide a completion date for the element. If your school district / institution has any of the **underlined and bolded** elements, please provide a copy of the document to the contact indicated on the front of this questionnaire and indicate method in the comments column (i.e. available on the web, will email or mail).

Planning Elements	Yes/No	Date of Latest Version	Comments
Master Plan	Yes	April 2021	Ties to Strategic Plan
Capital Improvement Plan	Yes	April 2021	Ongoing
<u>School Emergency Plan</u> Shelter in place protocols Evacuation protocols	Yes	August 2021	Plans will be tied to NAVIGATE 360 Emergency Management Suite.
Weapons Policy	Yes	August 2021	Per MSBA Policy

Administrative/Technical

Identify the technical and personnel resources responsible for activities related to hazard mitigation/loss prevention within your school district / institution.

Personnel Resources	Yes/No	Department/Position	Comments
Full-time building official (i.e. Principal)	Yes	4 Principals / 2 Assistant Principals	Also, full-time Supt and P/T Asst. Supt
Emergency Manager	Yes	Administration	
Grant Writer	Yes	Admin and staff	
Public Information Officer	Yes	Administration	

Financial Resources

Identify whether your school district /institution has access to or is eligible to use the following financial resources for hazard mitigation.

Financial Resources	Accessible/Eligible to Use (Y/N)	Comments
Capital improvements project funding	Yes	
Local funds	Yes	Per allocation
General obligation bonds	Yes	
Special tax bonds	NO	Per public vote. None current
Private activities/donations	Yes	

State and federal funds	Yes	Per allocation
-------------------------	-----	----------------

Additional Capabilities Questions

1. Are your buildings equipped with a public address (PA) system or other emergency alert system? Please describe.

Yes, buildings are equipped with PA systems and phone speaker systems. New fire alarm system installed on the Bowling Green Campus, Summer 2020.

2. Does your school buildings' have NOAA Weather Radios?
Yes

3. List any past or ongoing projects or programs designed to reduce disaster losses, these may include projects to protect facilities or provide education regarding hazards that could occur.

The district has been replacing doors throughout the district, Frankford and Bowling Green High School classroom doors were all replaced. Single pane glass windows have been replaced.

4. List any other past or ongoing projects or programs designed to reduce disaster losses, these may include projects to protect critical facilities.

New Fire alarm system has been installed at the Bowling Green Campus.

New roadways at the Frankford campus and Bowling Green campus are approved to be constructed to improve access for emergency vehicles and first responders.

The District has an NOI for FEMA funding for installation of a tornado siren at the Frankford campus.

5. Do any of your buildings have designated tornado shelters or "saferooms"? If so, are they constructed in accordance with FEMA standards?

FEMA funded and approved "saferoom" building addition to Frankford Elementary is currently in the process of being constructed, with a completion date of December, 2022.

6. Did your school district / institution make any additions to buildings or construction new buildings since the last plan update (2010)? Please list the buildings and the improvement.

Interior hallway constructed at Bowling Green Elementary in 2020. New Storage addition/hallway is under construction connecting Bowling Green High School and Bowling Green Middle School, 2021.

A new steel frame maintenance building is being constructed on campus in fall of 2021.

7. Does your school district / institution plan to remodel or construct any buildings in the next 5 years? If so, please list the building or proposed building and planned improvements. Are any planned construction activities in known hazard areas?

The District has an NOI for a FEMA "saferoom" building to be constructed at the Bowling Green campus.

8. What percentage is your projected enrollment expected to increase or decrease in the next five years?

The District enrollment is expected to increase 2%-3% in the next five years.

9. Do you have your own campus police? Please explain your police department or who you rely on for security needs.

The district is in partnership with the Pike County Sheriff's Department to have a full time School Resource Officer on campus.

VULNERABILITY ASSESSMENT

Asset Inventory

The purpose of this worksheet is to assist in the assessment of the vulnerable populations and facilities owned by your school district / institution. Use the table below to compile a detailed inventory of specific assets at risk. In the natural hazard column of the asset inventory table, indicate (by assigned abbreviation) which of the following hazards the asset is vulnerable to:

Natural Hazards	
Flooding (Major & Flash) - RF	Drought - D
Levee Failure - LF	Extreme Temperature - ET
Dam Failure - DF	Severe Thunderstorm (incl. winds, hail, lightning) - ST
Earthquake - EQ	Severe Winter Weather (incl. snow, ice, severe cold) - SWW
Land Subsidence / Sinkholes - LSS	Tornadoes - T
Drought - D	Wildfire - WF

Please list buildings owned by your school district / institution including the square feet, values, and occupancy/capacity. If not applicable or not available, enter "N/A". Add as many rows as needed. **If you have this data in GIS formats, or other formats, please provide in lieu of this.**

Name of Asset	Address	Area (sq.ft.)	Replacement Value (Insured) (\$)	Contents Value (\$)	Occupancy/ Capacity (#)	Natural Hazards
See attached sheet						

HISTORIC HAZARD EVENTS

Please fill out one sheet for each significant hazard event that affected **your school district / institution** with as much detail as possible. This includes all hazard events listed on the Vulnerability Assessment page that have caused previous damage. Attach supporting documentation, photocopies of newspaper articles, or other original sources.

Type of event	Fire
Nature and magnitude of event	The Frankford school was destroyed by fire
Location	Frankford, Missouri campus
Date of event	1969?
Injuries	None
Deaths	None
Property damage	
Infrastructure damage	Building was destroyed and rebuilt
Crop damage	
Business/economic impacts	
Road/school/other closures	
Other damage	
Insured losses	
Federal/state disaster relief funding	
Source of information	Newspaper accounts exist.
Comments	

HISTORIC HAZARD EVENTS (continued)

Please fill out one sheet for each significant hazard event that affected **your school district /institution** with as much detail as possible. This includes all hazard events listed on the Vulnerability Assessment page that have caused previous damage. Attach supporting documentation, photocopies of newspaper articles, or other original sources.

Type of event	
Nature and magnitude of event	
Location	
Date of event	
Injuries	
Deaths	
Property damage	
Infrastructure damage	
Crop damage	
Business/economic impacts	
Road/school/other closures	
Other damage	
Insured losses	
Federal/state disaster relief funding	
Source of information	
Comments	

Multi-Jurisdictional Hazard Mitigation Plan

Data Collection Questionnaire

For School Districts and Educational Institutions

County: Pike

School District /
Educational Institution Name: Louisiana RII

Return by:

Please complete this data collection questionnaire as accurately and completely as possible as this information will appear in the mitigation plan. A data collection questionnaire must be completed for each "jurisdiction" that wishes to be included in the plan. According to FEMA's definition a jurisdiction is any local government, including counties, municipalities, cities, towns, school districts, special districts, councils of government, and tribal organizations. Any of these entities as well as publicly funded colleges and universities that do not participate in the planning process **will not** be eligible applicants for FEMA mitigation funding programs.

Prepared by: Todd Smith

Phone: 573-754-4261

Email: smitht@louisiana.k12.mo.us

Date: 10/19/21

Please return questionnaires by mail, email, or fax to:

Name:

Address:

Email:

Fax:

CAPABILITY ASSESSMENT & INCORPORATION OF EXISTING PLANS, STUDIES, REPORTS AND TECHNICAL INFORMATION

The purpose of this section is to collect information to document existing capabilities as well as determine existing plans, studies, reports, and technical information that may need to be incorporated in the mitigation plan.

Please indicate which of the following your school district / institution has in place. For elements that do not pertain to you, please indicate with "N/A". If applicable, please provide a completion date for the element. If your school district / institution has any of the **underlined and bolded** elements, please provide a copy of the document to the contact indicated on the front of this questionnaire and indicate method in the comments column (i.e. available on the web, will email or mail).

Planning Elements	Yes/No	Date of Latest Version	Comments
Master Plan	Y		
Capital Improvement Plan	Y		
School Emergency Plan			
Shelter in place protocols	Y		
Evacuation protocols			
Weapons Policy	Y		

Administrative/Technical

Identify the technical and personnel resources responsible for activities related to hazard mitigation/loss prevention within your school district / institution.

Personnel Resources	Yes/No	Department/Position	Comments
Full-time building official (i.e. Principal)	Y		
Emergency Manager	N		
Grant Writer	N		
Public Information Officer	N		

Financial Resources

Identify whether your school district /institution has access to or is eligible to use the following financial resources for hazard mitigation.

Financial Resources	Accessible/Eligible to Use (Y/N)	Comments
Capital improvements project funding	Y	
Local funds	Y	
General obligation bonds	Y	
Special tax bonds	N	
Private activities/donations	N	
State and federal funds	Y	

Additional Capabilities Questions

1. Are your buildings equipped with a public address (PA) system or other emergency alert system? Please describe.

Yes - Phone in each Classroom

2. Does your school buildings' have NOAA Weather Radios?

NO

3. List any past or ongoing projects or programs designed to reduce disaster losses, these may include projects to protect facilities or provide education regarding hazards that could occur.

New Roofs
Electronic Locks

4. List any other past or ongoing projects or programs designed to reduce disaster losses, these may include projects to protect critical facilities.

5. Do any of your buildings have designated tornado shelters or "saferooms"? If so, are they constructed in accordance with FEMA standards?

NO

6. Did your school district / institution make any additions to buildings or construction new buildings since the last plan update (2010)? Please list the buildings and the improvement.

New Bus Barn ~~AFE~~

7. Does your school district / institution plan to remodel or construct any buildings in the next 5 years? If so, please list the building or proposed building and planned improvements. Are any planned construction activities in known hazard areas?

NO

8. What percentage is your projected enrollment expected to increase or decrease in the next five years?

↓ 5%

9. Do you have your own campus police? Please explain your police department or who you rely on for security needs.

NO
Louisiana Police Dept

VULNERABILITY ASSESSMENT

Asset Inventory

The purpose of this worksheet is to assist in the assessment of the vulnerable populations and facilities owned by your school district / institution. Use the table below to compile a detailed inventory of specific assets at risk. In the natural hazard column of the asset inventory table, indicate (by assigned abbreviation) which of the following hazards the asset is vulnerable to:

Natural Hazards	
Flooding (Major & Flash) - RF	Drought - D
Levee Failure - LF	Extreme Temperature - ET
Dam Failure - DF	Severe Thunderstorm (incl. winds, hail, lightning) - ST
Earthquake - EQ	Severe Winter Weather (incl. snow, ice, severe cold) - SWW
Land Subsidence / Sinkholes - LSS	Tornadoes - T
Drought - D	Wildfire - WF

Please list buildings owned by your school district / institution including the square feet, values, and occupancy/capacity. If not applicable or not available, enter "N/A". Add as many rows as needed. **If you have this data in GIS formats, or other formats, please provide in lieu of this.**

Name of Asset	Address	Area (sq.ft.)	Replacement Value (Insured) (\$)	Contents Value (\$)	Occupancy/ Capacity (#)	Natural Hazards
Bus Barn	Hung UU	41000	500,000	200,000		RF, EQ, ST, SWW
High School Mrs Building	3321 Georgia ST					EQ, EQ, ST, SWW
Elementary School	500 Hardy Ave					EQ, EQ, ST, SWW

HISTORIC HAZARD EVENTS

Please fill out one sheet for each significant hazard event that affected **your school district / institution** with as much detail as possible. This includes all hazard events listed on the Vulnerability Assessment page that have caused previous damage. Attach supporting documentation, photocopies of newspaper articles, or other original sources.

Type of event	
Nature and magnitude of event	
Location	
Date of event	
Injuries	
Deaths	
Property damage	
Infrastructure damage	
Crop damage	
Business/economic impacts	
Road/school/other closures	
Other damage	
Insured losses	
Federal/state disaster relief funding	
Source of information	
Comments	

HISTORIC HAZARD EVENTS (continued)

Please fill out one sheet for each significant hazard event that affected **your school district /institution** with as much detail as possible. This includes all hazard events listed on the Vulnerability Assessment page that have caused previous damage. Attach supporting documentation, photocopies of newspaper articles, or other original sources.

Type of event	
Nature and magnitude of event	
Location	
Date of event	
Injuries	
Deaths	
Property damage	
Infrastructure damage	
Crop damage	
Business/economic impacts	
Road/school/other closures	
Other damage	
Insured losses	
Federal/state disaster relief funding	
Source of information	
Comments	

Action Worksheet	
Name of Jurisdiction:	
Risk / Vulnerability	
Hazard(s) Addressed:	Flooding
Problem being Mitigated:	Participate in the NFIP
Action or Project	
Applicable Goal Statement:	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.
Action/Project Number:	2021.1
Name of Action or Project:	NFIP Participation
Mitigation Category:	Natural Systems Protection, Structure and Infrastructure Projects, Emergency Services, Education and Outreach
Action or Project Description:	Pursue County's participation in the National Flood Insurance Program.
Estimated Cost:	NA
Benefits:	Protection of life and reduction of damages due to accessibility to citizens in times of need.
Plan for Implementation	
Responsible Organization/Department:	County Commission
Action/Project Priority:	High Priority
Timeline for Completion:	1 Year
Potential Fund Sources:	County Funds
Local Planning Mechanisms to be Used in Implementation, if any:	
Progress Report	
Action Status:	NEW
Report of Progress:	NEW Project

Action Worksheet	
Name of Jurisdiction:	
Risk / Vulnerability	
Hazard(s) Addressed:	Flooding
Problem being Mitigated:	Flooding Throughout the County
Action or Project	
Applicable Goal Statement:	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.
Action/Project Number:	2021.2
Name of Action or Project:	Flood Mitigation
Mitigation Category:	Prevention, Structure and Infrastructure Projects, Emergency Services
Action or Project Description:	Implement flood mitigation activities to eliminate effects on County residents.
Estimated Cost:	\$1,000,000
Benefits:	Mitigation actions will limit the future harm to structures and lives in the County.
Plan for Implementation	
Responsible Organization/Department:	County Commission
Action/Project Priority:	High Priority
Timeline for Completion:	1-5 Year
Potential Fund Sources:	Hazard Mitigation Grant Funds
Local Planning Mechanisms to be Used in Implementation, if any:	
Progress Report	
Action Status:	NEW
Report of Progress:	NEW Project

Action Worksheet	
Name of Jurisdiction:	
Risk / Vulnerability	
Hazard(s) Addressed:	All Hazards
Problem being Mitigated:	Early Warning Sirens
Action or Project	
Applicable Goal Statement:	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.
Action/Project Number:	2021.3
Name of Action or Project:	Install/Upgrade Warning Sirens
Mitigation Category:	Prevention, Structure and Infrastructure Projects, Emergency Services
Action or Project Description:	Installation or upgrade of warning sirens in areas of the County needing a siren or one upgraded.
Estimated Cost:	\$75,000
Benefits:	Mitigation actions will limit the future harm to structures and lives in the County.
Plan for Implementation	
Responsible Organization/Department:	County Commission
Action/Project Priority:	Medium Priority
Timeline for Completion:	1-5 Year
Potential Fund Sources:	Hazard Mitigation Grant Funds
Local Planning Mechanisms to be Used in Implementation, if any:	NA
Progress Report	
Action Status:	NEW
Report of Progress:	NEW Project

Action Worksheet	
Name of Jurisdiction:	
Risk / Vulnerability	
Hazard(s) Addressed:	Flooding, Severe Thunderstorms, Winter Weather
Problem being Mitigated:	Protecting lives from natural hazards
Action or Project	
Applicable Goal Statement:	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.
Action/Project Number:	2021.4
Name of Action or Project:	Maintain Transportation Infrastructure
Mitigation Category:	Prevention, Structure and Infrastructure Projects, Emergency Services
Action or Project Description:	Project will make necessary improvements to roads, culverts, low water crossings, road elevations, bank stabilizations, bridges and the general transportation infrastructure throughout the city.
Estimated Cost:	\$750,000
Benefits:	The project protects citizens from harm due to damaged transportation infrastructure.
Plan for Implementation	
Responsible Organization/Department:	County Commission
Action/Project Priority:	High Priority
Timeline for Completion:	1-5 Year
Potential Fund Sources:	Hazard Mitigation Grant Funds
Local Planning Mechanisms to be Used in Implementation, if any:	NA
Progress Report	
Action Status:	NEW
Report of Progress:	NEW Project

Action Worksheet	
Name of Jurisdiction:	
Risk / Vulnerability	
Hazard(s) Addressed:	Pandemic
Problem being Mitigated:	Protecting lives from pandemic outbreaks.
Action or Project	
Applicable Goal Statement:	Goal 2: Strengthen communication and coordination between local governments, emergency personnel, public agencies, and citizens to mitigate the effect of future natural hazards
Action/Project Number:	2021.5
Name of Action or Project:	Response to Pandemic
Mitigation Category:	Emergency Services, Prevention, Public Education
Action or Project Description:	Project will provide necessary resources for the response to pandemic outbreaks.
Estimated Cost:	\$500,000
Benefits:	The project protects citizens from harm due to pandemic outbreaks.
Plan for Implementation	
Responsible Organization/Department:	County Commission
Action/Project Priority:	Medium Priority
Timeline for Completion:	1-5 Year
Potential Fund Sources:	Hazard Mitigation Grant Funds
Local Planning Mechanisms to be Used in Implementation, if any:	NA
Progress Report	
Action Status:	NEW
Report of Progress:	NEW Project

Action Worksheet	
Name of Jurisdiction:	
Risk / Vulnerability	
Hazard(s) Addressed:	Tornado, Severe Thunderstorms
Problem being Mitigated:	Lack of shelter for residents.
Action or Project	
Applicable Goal Statement:	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.
Action/Project Number:	2021.6
Name of Action or Project:	Safe Rooms and Storm Shelters
Mitigation Category:	Prevention, Structure and Infrastructure Projects, Emergency Services
Action or Project Description:	Build safe rooms and establish local ordinances requiring community storm shelters within sizable mobile home parks and subdivisions.
Estimated Cost:	\$1,000,000
Benefits:	The project protects citizens from harm due to tornados or severe thunderstorms.
Plan for Implementation	
Responsible Organization/Department:	County Commission
Action/Project Priority:	High Priority
Timeline for Completion:	1-5 Year
Potential Fund Sources:	Hazard Mitigation Grant Funds
Local Planning Mechanisms to be Used in Implementation, if any:	NA
Progress Report	
Action Status:	NEW
Report of Progress:	NEW Project

Action Worksheet	
Name of Jurisdiction:	
Risk / Vulnerability	
Hazard(s) Addressed:	Extreme Temperature, Severe Thunderstorm, Severe Winter Weather, Tornado
Problem being Mitigated:	Generator for Shelter(s)
Action or Project	
Applicable Goal Statement:	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.
Action/Project Number:	2021.7
Name of Action or Project:	Generator for Shelter(s)
Mitigation Category:	Prevention, Structure and Infrastructure Projects, Emergency Services
Action or Project Description:	Obtain a generator for shelters as funds become available.
Estimated Cost:	\$65,000
Benefits:	Generator will allow for continued use of shelters for service to citizens in the event of an outage, this would be beneficial during any hazard.
Plan for Implementation	
Responsible Organization/Department:	County Commission
Action/Project Priority:	High Priority
Timeline for Completion:	1-5 Year
Potential Fund Sources:	Hazard Mitigation Grant Funds / RHSOC
Local Planning Mechanisms to be Used in Implementation, if any:	NA
Progress Report	
Action Status:	NEW
Report of Progress:	NEW Project

Multi-Jurisdictional Hazard Mitigation Plan

Data Collection Questionnaire

For School Districts and Educational Institutions

County: Pike County _____

School District /
Educational Institution Name: Pike-Lincoln Technical Center/Pike County R-III (Clopton)___

Return by: _____

Please complete this data collection questionnaire as accurately and completely as possible as this information will appear in the mitigation plan. A data collection questionnaire must be completed for each "jurisdiction" that wishes to be included in the plan. According to FEMA's definition a jurisdiction is any local government, including counties, municipalities, cities, towns, school districts, special districts, councils of government, and tribal organizations. Any of these entities as well as publicly funded colleges and universities that do not participate in the planning process **will not** be eligible applicants for FEMA mitigation funding programs.

Prepared by: Martin Hanley _____

Phone: 573-485-2900 _____

Email: hanleym@pltc.edu _____

Date: October 15, 2021 _____

Please return questionnaires by mail, email, or fax to:

Name: _____

Address: _____

Email: _____

Fax: _____

CAPABILITY ASSESSMENT & INCORPORATION OF EXISTING PLANS, STUDIES, REPORTS AND TECHNICAL INFORMATION

The purpose of this section is to collect information to document existing capabilities as well as determine existing plans, studies, reports, and technical information that may need to be incorporated in the mitigation plan.

Please indicate which of the following your school district / institution has in place. For elements that do not pertain to you, please indicate with "N/A". If applicable, please provide a completion date for the element. If your school district / institution has any of the **underlined and bolded** elements, please provide a copy of the document to the contact indicated on the front of this questionnaire and indicate method in the comments column (i.e. available on the web, will email or mail).

Planning Elements	Yes/No	Date of Latest Version	Comments
Master Plan			
Capital Improvement Plan	Yes	08/2021	This is updated on a regular basis
<u>School Emergency Plan</u> Shelter in place protocols Evacuation protocols	Yes	08/2021	
Weapons Policy	Yes	08/2021	

Administrative/Technical

Identify the technical and personnel resources responsible for activities related to hazard mitigation/loss prevention within your school district / institution.

Personnel Resources	Yes/No	Department/Position	Comments
Full-time building official (i.e. Principal)	Yes	Principals	
Emergency Manager	Yes	Superintendent and Principals	
Grant Writer	Yes	Superintendent and principals	
Public Information Officer	Yes	Superintendent and principals	

Financial Resources

Identify whether your school district /institution has access to or is eligible to use the following financial resources for hazard mitigation.

Financial Resources	Accessible/Eligible to Use (Y/N)	Comments
Capital improvements project funding	Yes	
Local funds	Yes	
General obligation bonds		
Special tax bonds	Yes	With voter approval
Private activities/donations	Yes	

State and federal funds	Yes	

Additional Capabilities Questions

1. Are your buildings equipped with a public address (PA) system or other emergency alert system? Please describe.

Each building has a PA system this is controlled through the phone systems. The speakers are in hallways, classrooms, common areas, and shop areas.

2. Does your school buildings' have NOAA Weather Radios?

One does not

3. List any past or ongoing projects or programs designed to reduce disaster losses, these may include projects to protect facilities or provide education regarding hazards that could occur.

Recovering the roof in the Clopton campus

4. List any other past or ongoing projects or programs designed to reduce disaster losses, these may include projects to protect critical facilities.

5. Do any of your buildings have designated tornado shelters or "saferooms"? If so, are they constructed in accordance with FEMA standards?

No

6. Did your school district / institution make any additions to buildings or construction new buildings since the last plan update (2010)? Please list the buildings and the improvement.

Rebuilt the PLTC that was lost due to fire

Purchased the old Eolia MO-DOT property and added on to the existing structure

Rebuilt the Clopton Elementary main entrance

7. Does your school district / institution plan to remodel or construct any buildings in the next 5 years? If so, please list the building or proposed building and planned improvements. Are any planned construction activities in known hazard areas?

Adding facilities to the PLTC Main and West campuses

Updating the old Middle School

Adding a new greenhouse on Clopton main campus

8. What percentage is your projected enrollment expected to increase or decrease in the next five years?

PLTC increase of 10-15%

Clopton district remain steady

9. Do you have your own campus police? Please explain your police department or who you rely on for security needs.

No on-campus police. PLTC has a law enforcement program with a Sheriff's deputy as the instructor. A Missouri Sheriff's Academy will be starting in January 2022

VULNERABILITY ASSESSMENT

Asset Inventory

The purpose of this worksheet is to assist in the assessment of the vulnerable populations and facilities owned by your school district / institution. Use the table below to compile a detailed inventory of specific assets at risk. In the natural hazard column of the asset inventory table, indicate (by assigned abbreviation) which of the following hazards the asset is vulnerable to:

Natural Hazards	
Flooding (Major & Flash) - RF	Drought - D
Levee Failure - LF	Extreme Temperature - ET
Dam Failure - DF	Severe Thunderstorm (incl. winds, hail, lightning) - ST
Earthquake - EQ	Severe Winter Weather (incl. snow, ice, severe cold) - SWW
Land Subsidence / Sinkholes - LSS	Tornadoes - T
Drought - D	Wildfire - WF

Please list buildings owned by your school district / institution including the square feet, values, and occupancy/capacity. If not applicable or not available, enter "N/A". Add as many rows as needed. **If you have this data in GIS formats, or other formats, please provide in lieu of this.**

Name of Asset	Address	Area (sq.ft.)	Replacement Value (Insured) (\$)	Contents Value (\$)	Occupancy/ Capacity (#)	Natural Hazards
PLTC Main	342 VoTech Road	50,000	8,100,000	4,000,000	250	EQ, LSS, ST, T, SWW, D, F, CyD, U
PLTC West	425 Outer Road	6,000	800,000	1,000,000	50	EQ, LSS, ST, T, SWW, D, F, CyD, U
Clopton High School	28176 Hwy WW	79,140	13,000,000	10,000,000	220	EQ, LSS, ST, T, SWW, D, F, CyD, U
Clopton Middle School	28176 Hwy WW	25,524	4,000,000		200	EQ, LSS, ST, T, SWW, D, F, CyD, U
Clopton Elementary School	28176 Hwy WW	17,311	3,000,000	1,000,000	236	EQ, LSS, ST, T, SWW, D, F, CyD, U

HISTORIC HAZARD EVENTS

Please fill out one sheet for each significant hazard event that affected **your school district / institution** with as much detail as possible. This includes all hazard events listed on the Vulnerability Assessment page that have caused previous damage. Attach supporting documentation, photocopies of newspaper articles, or other original sources.

Type of event	Fire
Nature and magnitude of event	Complete loss of ½ the PLTC main campus
Location	PLTC Main
Date of event	12/02/2011
Injuries	0
Deaths	0
Property damage	4,500,000
Infrastructure damage	0
Crop damage	0
Business/economic impacts	
Road/school/other closures	PLTC Main Campus closed temporarily. Main campus classes were held at the Clopton Middle School until 2015
Other damage	
Insured losses	4,500,000
Federal/state disaster relief funding	
Source of information	http://khqa.com/news/local/fire-engulfs-pike-lincoln-technical-center-in-eolia
Comments	

HISTORIC HAZARD EVENTS (continued)

Please fill out one sheet for each significant hazard event that affected **your school district /institution** with as much detail as possible. This includes all hazard events listed on the Vulnerability Assessment page that have caused previous damage. Attach supporting documentation, photocopies of newspaper articles, or other original sources.

Type of event	
Nature and magnitude of event	
Location	
Date of event	
Injuries	
Deaths	
Property damage	
Infrastructure damage	
Crop damage	
Business/economic impacts	
Road/school/other closures	
Other damage	
Insured losses	
Federal/state disaster relief funding	
Source of information	
Comments	

Multi-Jurisdictional Hazard Mitigation Plan
Data Collection Questionnaire
For Special Districts

County: Pike

Special District Name: Mudlick Prairie Levee District

Return by: _____

Please complete this data collection questionnaire as accurately and completely as possible as this information will appear in the mitigation plan. A data collection questionnaire must be completed for each "jurisdiction" that wishes to be included in the plan. According to FEMA's definition a jurisdiction is any local government, including counties, municipalities, cities, towns, school districts, special districts, councils of government, and tribal organizations. Any of these entities as well as publicly funded colleges and universities that do not participate in the planning process **will not** be eligible applicants for FEMA mitigation funding programs. Please note: School Districts and other Educational Institutions should complete the Data Collection Questionnaire indicated "For School Districts and Educational Institutions".

Prepared by: Wm SHEPPARD, JR

Phone: 314-249-7453

Email: pikegrain@sbcglobal.net

Date: 10-28-21

Please return questionnaires by mail, email, or fax to:

Name: _____

Address: _____

Email: _____

Fax: _____

CAPABILITY ASSESSMENT & INCORPORATION OF EXISTING PLANS, STUDIES, REPORTS AND TECHNICAL INFORMATION

The purpose of this section is to collect information to document existing capabilities as well as determine existing plans, studies, reports, and technical information that may need to be incorporated in the mitigation plan. Although some of this information may have been captured in your previous mitigation plan, it is important to ensure this information is current in the plan update

Please indicate which of the following your jurisdiction has in place. For elements that do not pertain to your type of public entity, please indicate with "N/A". If applicable, please provide a completion date for the element. If your jurisdiction does not have a particular element, and a higher level of government has the authority pertaining to your jurisdiction, please indicate this in the comments column. If your jurisdiction has any of the **underlined and bolded** elements, please provide a copy of the document to the contact listed on the front and indicate method in the comments column (i.e. available on the web, will email or mail).

Element	Yes, No, N/A	Comments and/or Weblink
Planning Capabilities		
Capital Improvement Plan	Date: <u>N/A</u>	
Emergency Operations Plan	Date:	
Continuity of Operations Plan	Date: <u>N/A</u>	
Community Wildfire Protection Plan	Date: <u>N/A</u>	
Other:		
Policies		
Programs		
Cross-Connection Program	<u>N/A</u>	
Hydrant Flushing Program	<u>N/A</u>	
Public Education/Awareness	<u>N/A</u>	
Tree Trimming Program	<u>yes</u>	
Mutual Aid Agreements	<u>N/A</u>	
Other:		

Element	Yes, No, N/A	Comments and/or Weblink
Studies/Reports/Maps		
Evacuation Route Map	N/A	
Critical Facilities Inventory	N/A	
Staff/Department		Full Time or Part Time?
W ^m SHEPPARD JR		
W ^m SHEPPARD, III		
Karl Dewey Jr		
Karl Dewey, III		
Calch Colbent		
Financial Resources		Is your jurisdiction able to? Yes or No
Fund projects thru Capital Improvements funding		yes
Fees for water, sewer, gas, or electric services		yes
Incur debt through general obligation bonds		N/A
Incur debt through special tax bonds		N/A
Incur debt through private activities		N/A
Withhold spending in hazard prone areas		N/A

For plan updates, the plan maintenance process outlined in your previous plan requires all participating jurisdictions to incorporate the requirements of the mitigation plan into other planning mechanisms, when appropriate. A key element of effective implementation of mitigation is for the mitigation plan to be incorporated in existing authorities, policies, programs, and resources. Next to each applicable planning mechanism, indicate how your jurisdiction incorporated the previous mitigation plan. If no incorporation has occurred, please explain, including background information detailing any challenges preventing incorporation.

Planning Capabilities	Method of Incorporation Since Previous Plan or Challenges Preventing Incorporation
Capital Improvement Plan	N/A
Emergency Operations Plan	Boards Meetings
Continuity of Operations Plan	N/A
Firewise or other Fire Mitigation Plan such as Community Wildfire Protection Plan	N/A

Additional Questions

1. How is your Special District structure organized? (Board of Directors, Commission, how many members)

5 - Commissioners

2. List any past or ongoing public education or information programs, such as for responsible water use, fire safety, household preparedness, or environmental education.

N/A

3. List any other past or ongoing projects or programs designed to reduce disaster losses, these may include projects to protect critical facilities. Be sure to include pending or approved projects submitted for FEMA mitigation grants.

- levee repairs, improvement of flood protection from Salt River flooding
- "Construct a controlled and managed oventopping feature creating flood storage
- protect of Louisiana Boy Scouts Cabin, 8 mile Road District, BNSF RR

4. Please list Mitigation Planning Committee members who served during the development of the previously approved plan. Was the process set forth for monitoring the implementation of the previously approved mitigation plan adhered to? Did the Committee meet as was specified in the previously approved plan? Why or why not?

The levee district has frequent + annual commission meetings, and emergency meeting to address flood conditions

VULNERABILITY ASSESSMENT

The purpose of this worksheet is to assess the vulnerable buildings, populations, critical facilities, infrastructure, and other important assets in your community by using the best available data to complete the table. Use the table on the next page to compile a detailed inventory of specific assets at risk including critical facilities and infrastructure; natural, cultural, and historical assets; and economic assets. In the natural hazard column of the asset inventory table, indicate (by assigned abbreviation) which of the following hazards the asset is vulnerable to:

Natural Hazards	
Flooding (Major & Flash) - RF	Drought - D
Levee Failure - LF	Extreme Temperature - ET
Dam Failure - DF	Severe Thunderstorm (incl. winds, hail, lightning) - ST
Earthquake - EQ	Severe Winter Weather (incl. snow, ice, severe cold) - SWW
Land Subsidence / Sinkholes - LSS	Tornadoes - T
Drought - D	Wildfire - WF

Critical Facilities and Infrastructure

A critical facility may be defined as one that is essential in providing utility or direction either during the response to an emergency or during the recovery operation. FEMA's HAZUS-MH loss estimation software uses the following three categories of critical assets. 'Essential facilities' are those that if damaged would have devastating impacts on disaster response and/or recovery. 'High potential loss facilities' are those that would have a high loss or impact on the community. Transportation and lifeline facilities are third category of critical assets; examples are provided below.

Essential Facilities

Fire station
Emergency Operations
Centers

High Potential Loss Facilities

Power plants
Dams/levees
Hazardous material sites
Main government buildings

Transportation and Lifeline

Highways, bridges, and tunnels
Railroads and facilities
Bus facilities
Airports
Water treatment facilities
Natural gas facilities and pipelines
Oil facilities and pipelines
Communications facilities

Name of Asset	Address	Area (sq.ft.)	Replacement Value (Insured) (\$)	Contents Value (\$)	Occupancy/ Capacity (#)	Natural Hazards
High Potential Loss Facilities such as power plants, dams/levees, hazardous materials sites, main government buildings (Do not include schools—they will be reported by the school districts)						
Levees	Salt River Basin	6 mile	\$6,000,000	N/A	N/A	RF/LF
	Pike County, MO					
Boy Scout Cabin	Pike County, MO #17850	?	\$500,000	\$100,000	50	RF/LF
Transportation and Lifelines such as highways, bridges, and tunnels; railroads and facilities, bus facilities, airports, water treatment facilities, natural gas facilities and pipelines, oil facilities, oil facilities and pipelines, communications facilities						
BNSF RR.	Pike County - MO	3 mile	\$6,000,000	N/A	N/A	RF/LF
	Salt River Basin					
8 mile Road Dist.	Pike County, MO	3 mile	600,000	N/A	N/A	RF/LF
	Salt River, Ibsin					
Private Service Road.		2 mile	300,000	N/A	N/A	RF/LF
USDA Wetlands Area	Salt River Basin	260 Ac	2,000,000	N/A	N/A	RF/LF

*If replacement cost data is not available, use the best available data (assessed valuation or other method for estimating cost) and explain any data deficiencies.

HISTORIC HAZARD EVENTS

Please fill out the sheet on the next page for each significant hazard event that affected **Your Jurisdiction**. Make as many copies as necessary to record all events and complete with as much detail as possible. This includes all events associated with the hazards listed below that have caused previous damage in your jurisdiction. It is especially important to capture events that either were not included in the previous Hazard Mitigation Plan or occurred since the plan was completed. Attach supporting documentation, photocopies of newspaper articles, or other original sources.

Jurisdiction	Mudlick Prairie Levee 1519
Type of event	RF / LF
Nature and magnitude of event	Breaching + Overtopping
Location	Salt River Basin, Pike County, Mo.
Date of event	2009 - annually thru 2021
Injuries	0
Deaths	0
Property damage	Levee Breacher, Erosion, Roads, RR TRACES
Infrastructure damage	Roads, Ditches, Ways, Culverts
Crop damage	annually 1500+ Ac \$12,000,000
Business/economic impacts	N/A
Road/school/other closures	N/A
Other damage	
Insured losses	\$100,000
Federal/state disaster relief funding	0 -
Source of information	
Comments	

HISTORIC HAZARD EVENTS (continued)

Please fill out the sheet on the next page for each significant hazard event that affected **Your Jurisdiction**. **Make as many copies as necessary to record all events** and complete with as much detail as possible. This includes all events associated with the hazards listed below that have caused previous damage in your jurisdiction. It is especially important to capture events that either were not included in the previous Hazard Mitigation Plan or occurred since the plan was completed. Attach supporting documentation, photocopies of newspaper articles, or other original sources.

Jurisdiction	
Type of event	
Nature and magnitude of event	
Location	
Date of event	
Injuries	
Deaths	
Property damage	
Infrastructure damage	
Crop damage	
Business/economic impacts	
Road/school/other closures	
Other damage	
Insured losses	
Federal/state disaster relief funding	
Source of information	
Comments	

ASSESSMENT OF PREVIOUSLY PROPOSED ACTIONS

Jurisdiction: Mudlick Prairie Keyee Dist

The contractor/plan development facilitator has provided a list of actions proposed in the previously approved plan for each jurisdiction. Use the worksheet below to evaluate whether each action is still current, feasible, desirable, and/or creates benefit that outweighs the cost.

The worksheet should include information on the status of the action and progress made in implementation, if any. This includes:

- For **completed actions** provide a description of the implementation process. This may be a success story you would like to publicize in your community.
- Some of the actions might have been **ongoing** in nature, such public information and education programs. When this is the case, indicate what activity has occurred during the previous five years, and indicate if this program is still viable enough that it should be carried on into the future.
- If **no progress** has been made in the implementation of a given action, discuss why. Note that implementation is not a requirement. However, if no progress has been made, perhaps this is an action that would be appropriate to delete in the updated plan.

During review of the previously approved actions, consider whether any new actions should be proposed. Perhaps damages from a recent hazard event have indicated the need for new approaches to protect property and life. Review the problem statements from the updated plan for ideas. Also review the FEMA publication *Mitigation Ideas: A Resource for Reducing Risk to Natural Hazards (January 2013)*.

#	Action	Status			Description of Implementation Activities or Reasons for Lack of Progress	Keep - ✓ Delete - X Modify - M
		Complete	Ongoing	No Progress		
	Construct a controlled + managed overtopping structures creating flood storage			Applied for grants		

Multi-Jurisdictional Hazard Mitigation Plan

Data Collection Questionnaire

For Special Districts

County: PIKE

Special District Name: PIKE GRAIN Drainage and levee District

Return by: _____

Please complete this data collection questionnaire as accurately and completely as possible as this information will appear in the mitigation plan. A data collection questionnaire must be completed for each "jurisdiction" that wishes to be included in the plan. According to FEMA's definition a jurisdiction is any local government, including counties, municipalities, cities, towns, school districts, special districts, councils of government, and tribal organizations. Any of these entities as well as publicly funded colleges and universities that do not participate in the planning process **will not** be eligible applicants for FEMA mitigation funding programs. Please note: School Districts and other Educational Institutions should complete the Data Collection Questionnaire indicated "For School Districts and Educational Institutions".

Prepared by: W^m SHEPPARD. JR

Phone: 314-249-7453

Email: pikegrain@sbcglobal.net

Date: 10-18-21

Please return questionnaires by mail, email, or fax to:

Name: _____

Address: _____

Email: _____

Fax: _____

CAPABILITY ASSESSMENT & INCORPORATION OF EXISTING PLANS, STUDIES, REPORTS AND TECHNICAL INFORMATION

The purpose of this section is to collect information to document existing capabilities as well as determine existing plans, studies, reports, and technical information that may need to be incorporated in the mitigation plan. Although some of this information may have been captured in your previous mitigation plan, it is important to ensure this information is current in the plan update

Please indicate which of the following your jurisdiction has in place. For elements that do not pertain to your type of public entity, please indicate with "N/A". If applicable, please provide a completion date for the element. If your jurisdiction does not have a particular element, and a higher level of government has the authority pertaining to your jurisdiction, please indicate this in the comments column. If your jurisdiction has any of the **underlined and bolded** elements, please provide a copy of the document to the contact listed on the front and indicate method in the comments column (i.e. available on the web, will email or mail).

Element	Yes, No, N/A	Comments and/or Weblink
Planning Capabilities		
Capital Improvement Plan	Date: <u>N/A</u>	
Emergency Operations Plan	Date:	
Continuity of Operations Plan	Date: <u>N/A</u>	
Community Wildfire Protection Plan	Date: <u>N/A</u>	
Other:		
Policies		
Programs		
Cross-Connection Program	<u>N/A</u>	
Hydrant Flushing Program	<u>N/A</u>	
Public Education/Awareness	<u>N/A</u>	
Tree Trimming Program	<u>yes</u>	
Mutual Aid Agreements	<u>N/A</u>	
Other:		

Element	Yes, No, N/A	Comments and/or Weblink
Studies/Reports/Maps		
Evacuation Route Map	N/A	
Critical Facilities Inventory	N/A	
Staff/Department		Full Time or Part Time?
Wm Sheppard Sr- Pres		P.T
Wm Sheppard, III. V. Pres.		✓
Lucy Sheppard		✓
Tony Sheppard.		✓
		✓
Financial Resources		Is your jurisdiction able to? Yes or No
Fund projects thru Capital Improvements funding		yes
Fees for water, sewer, gas, or electric services		yes
Incur debt through general obligation bonds		N/A
Incur debt through special tax bonds		N/A
Incur debt through private activities		N/A
Withhold spending in hazard prone areas		N/A

For plan updates, the plan maintenance process outlined in your previous plan requires all participating jurisdictions to incorporate the requirements of the mitigation plan into other planning mechanisms, when appropriate. A key element of effective implementation of mitigation is for the mitigation plan to be incorporated in existing authorities, policies, programs, and resources. Next to each applicable planning mechanism, indicate how your jurisdiction incorporated the previous mitigation plan. If no incorporation has occurred, please explain, including background information detailing any challenges preventing incorporation.

Planning Capabilities	Method of Incorporation Since Previous Plan or Challenges Preventing Incorporation
Capital Improvement Plan	N/A
Emergency Operations Plan	Board meeting
Continuity of Operations Plan	N/A
Firewise or other Fire Mitigation Plan such as Community Wildfire Protection Plan	N/A

Additional Questions

1. How is your Special District structure organized? (Board of Directors, Commission, how many members)

4 - COMMISSIONERS

2. List any past or ongoing public education or information programs, such as for responsible water use, fire safety, household preparedness, or environmental education.

N/A

3. List any other past or ongoing projects or programs designed to reduce disaster losses, these may include projects to protect critical facilities. Be sure to include pending or approved projects submitted for FEMA mitigation grants.

LEVEE REPAIRS, improvement of flood protection from SALT RIVER flooding.

- "CONSTRUCT a controlled and managed oventopping feature creating flood storage"

- protection for the 8 mile Road District Roads and Drainage ways

4. Please list Mitigation Planning Committee members who served during the development of the previously approved plan. Was the process set forth for monitoring the implementation of the previously approved mitigation plan adhered to? Did the Committee meet as was specified in the previously approved plan? Why or why not?

The levee District has frequent commission meetings, and emergency meetings to address flood conditions

VULNERABILITY ASSESSMENT

The purpose of this worksheet is to assess the vulnerable buildings, populations, critical facilities, infrastructure, and other important assets in your community by using the best available data to complete the table. Use the table on the next page to compile a detailed inventory of specific assets at risk including critical facilities and infrastructure; natural, cultural, and historical assets; and economic assets. In the natural hazard column of the asset inventory table, indicate (by assigned abbreviation) which of the following hazards the asset is vulnerable to:

Natural Hazards	
Flooding (Major & Flash) - RF	Drought - D
Levee Failure - LF	Extreme Temperature - ET
Dam Failure - DF	Severe Thunderstorm (incl. winds, hail, lightning) - ST
Earthquake - EQ	Severe Winter Weather (incl. snow, ice, severe cold) - SWW
Land Subsidence / Sinkholes - LSS	Tornadoes - T
Drought - D	Wildfire - WF

Critical Facilities and Infrastructure

A critical facility may be defined as one that is essential in providing utility or direction either during the response to an emergency or during the recovery operation. FEMA’s HAZUS-MH loss estimation software uses the following three categories of critical assets. ‘Essential facilities’ are those that if damaged would have devastating impacts on disaster response and/or recovery. ‘High potential loss facilities’ are those that would have a high loss or impact on the community. Transportation and lifeline facilities are third category of critical assets; examples are provided below.

Essential Facilities

- Fire station
- Emergency Operations Centers

High Potential Loss Facilities

- Power plants
- Dams/levees
- Hazardous material sites
- Main government buildings

Transportation and Lifeline

- Highways, bridges, and tunnels
- Railroads and facilities
- Bus facilities
- Airports
- Water treatment facilities
- Natural gas facilities and pipelines
- Oil facilities and pipelines
- Communications facilities

Name of Asset	Address	Area (sq.ft.)	Replacement Value (Insured) (\$)	Contents Value (\$)	Occupancy/ Capacity (#)	Natural Hazards
High Potential Loss Facilities such as power plants, dams/levees, hazardous materials sites, main government buildings (Do not include schools—they will be reported by the school districts)						
LEVEES	PIKE COUNTY, MO	20+/-	\$17,000,000	N/A.	N/A	RF/LF
	SALT RIVER BASIN	MIler				
Transportation and Lifelines such as highways, bridges, and tunnels; railroads and facilities, bus facilities, airports, water treatment facilities, natural gas facilities and pipelines, oil facilities, oil facilities and pipelines, communications facilities						
County Roads	PIKE COUNTY, MO.	1 mile	\$200,000	N/A	N/A	RF/LF
	SUGAR CREEK					
PRIVATE ROADS / SERVICE ROAD		6 mile	\$600,000	N/A	N/A.	RF/LF
Pipetime.	PIKE COUNTY, MO	3.75 mile	\$20,025,000	N/A	N/A	RF/LF

*If replacement cost data is not available, use the best available data (assessed valuation or other method for estimating cost) and explain any data deficiencies.

HISTORIC HAZARD EVENTS

Please fill out the sheet on the next page for each significant hazard event that affected **Your Jurisdiction**. **Make as many copies as necessary to record all events** and complete with as much detail as possible. This includes all events associated with the hazards listed below that have caused previous damage in your jurisdiction. It is especially important to capture events that either were not included in the previous Hazard Mitigation Plan or occurred since the plan was completed. Attach supporting documentation, photocopies of newspaper articles, or other original sources.

Jurisdiction	PIKE GRAIN Drainage + HEVEE District
Type of event	RF / LF
Nature and magnitude of event	hevee Breacher, Overtopping, Erosion
Location	Salt River Basin, PIKE County, MO
Date of event	1977, 2008, 1993, 2009, 2012, 2015, 2018, 20019
Injuries	-0-
Deaths	-0-
Property damage	} hevee, Roads, Drainage way, Dumping station
Infrastructure damage	
Crop damage	\$ 20,000,000 +
Business/economic impacts	
Road/school/other closures	N/A
Other damage	
Insured losses	\$ 1,000,000
Federal/state disaster relief funding	-0-
Source of information	
Comments	

HISTORIC HAZARD EVENTS (continued)

Please fill out the sheet on the next page for each significant hazard event that affected **Your Jurisdiction**. **Make as many copies as necessary to record all events** and complete with as much detail as possible. This includes all events associated with the hazards listed below that have caused previous damage in your jurisdiction. It is especially important to capture events that either were not included in the previous Hazard Mitigation Plan or occurred since the plan was completed. Attach supporting documentation, photocopies of newspaper articles, or other original sources.

Jurisdiction	
Type of event	
Nature and magnitude of event	
Location	
Date of event	
Injuries	
Deaths	
Property damage	
Infrastructure damage	
Crop damage	
Business/economic impacts	
Road/school/other closures	
Other damage	
Insured losses	
Federal/state disaster relief funding	
Source of information	
Comments	

ASSESSMENT OF PREVIOUSLY PROPOSED ACTIONS

Jurisdiction: Pike County Drainage & Sewer Dist.

The contractor/plan development facilitator has provided a list of actions proposed in the previously approved plan for each jurisdiction. Use the worksheet below to evaluate whether each action is still current, feasible, desirable, and/or creates benefit that outweighs the cost.

The worksheet should include information on the status of the action and progress made in implementation, if any. This includes:

- For **completed actions** provide a description of the implementation process. This may be a success story you would like to publicize in your community.
- Some of the actions might have been **ongoing** in nature, such public information and education programs. When this is the case, indicate what activity has occurred during the previous five years, and indicate if this program is still viable enough that it should be carried on into the future.
- If **no progress** has been made in the implementation of a given action, discuss why. Note that implementation is not a requirement. However, if no progress has been made, perhaps this is an action that would be appropriate to delete in the updated plan.

During review of the previously approved actions, consider whether any new actions should be proposed. Perhaps damages from a recent hazard event have indicated the need for new approaches to protect property and life. Review the problem statements from the updated plan for ideas. Also review the FEMA publication *Mitigation Ideas: A Resource for Reducing Risk to Natural Hazards (January 2013)*.

#	Action	Status			Description of Implementation Activities or Reasons for Lack of Progress	Keep – ✓ Delete – X Modify – M
		Complete	Ongoing	No Progress		
	Construct a controlled + managed overtopping structure - creating flood storage.		Applied for grants			

Pike County, Missouri
PRESS RELEASE

For Immediate Release

Contact: Devyn Campbell
573-565-2203

Pike County Planning Committee Seeks Public Input

Pike County, MO — The public is encouraged to review and comment on the Pike County Multi-Jurisdictional Hazard Mitigation Plan Update before it is finalized. The plan includes an updated strategy to reduce damage and losses caused by hazard events. The final draft of the plan will be available online and in hard copy at select public locations in Pike County from December 8-22, 2021. The purpose is to provide information to the public on the Multi-Jurisdictional Hazard Mitigation Plan Update as well as gain public input.

Each year, thousands of American families are affected by disasters, and billions of dollars are spent on disaster recovery. Some disasters are predictable, and often, losses and damages can be reduced or eliminated. For these reasons, the Federal Disaster Mitigation Act of 2000 requires communities to develop an approved local hazard mitigation plan. Without such a plan, communities are not eligible for certain federal funding.

Representatives from county departments, the incorporated cities, public school districts, and other mitigation planning stakeholders worked together to develop this plan update. The planning committee addressed hazards ranging from extreme heat and severe winter storms to tornadoes and flooding—and considered the impacts of these events on local communities. Based on the results of an updated risk assessment of the hazards, committee members updated the strategies for their jurisdictions to reduce damages caused by the various hazards.

The planning committee would like input from the public on the updated strategy for Pike County. Public comments will be considered by the Hazard Mitigation Planning Committee and incorporated into the plan, as appropriate.

From December 8, 2021 – December 22, 2021 the final draft plan will be available for your review at the following locations:

Online at: marktwaincog.com

A hard copy can be reviewed during normal operating hours at: Pike County Courthouse
115 W Main, Bowling Green, MO 63334

The final plan must be approved by the governing body of each participating jurisdiction, the Missouri State Emergency Management Agency, and FEMA before becoming official. The Mark Twain Regional Planning Commission has taken the lead in developing this plan. The point of contact is Devyn Campbell, Fiscal Officer/Community Planner. For more information on this project, contact Devyn Campbell at 573-565-2203.