

# **Appendix B**

## **Planning Process**

# MONROE COUNTY COMMISSION MINUTES

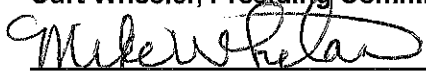
June 5, 2023

The Commission met pursuant to adjournment with Curt Wheeler, Presiding Commissioner and Associate Commissioners Mike Whelan and Marilyn O'Bannon were present and among other proceedings the following orders were had to with:

1. Commission approved previous meeting minutes.
2. Commission met with Tri-County Electric for a quote to install the new generator.
3. Commission met with Michael Purol about the BRO 69 project.
4. Commission met with MTRCOG about the FEMA meeting scheduled for August 28, 2023.
5. Commission met with Cory Putnam about the generator switch and shutting power down for a day.
6. Commission approved payment of all invoices, and signed checks.
7. Commission met with Debbie Grgurich in regards to the Farmer's Market that uses the courtyard on Saturday mornings are not cleaning up after using the yard.
8. Commission approved the purchase of 2 dehumidifiers and air conditioning units for the Judges chambers and Juror's room.
9. Commission met with R&B and discussed the bridge on county road 616. Boards are needing replaced and dirt work needs completed.
10. Commission approved the purchase of a new computer for R&B, and also for Commissioners to receive emails and other information.
11. Information for future use: Jake from MECO Surveying Middle Grove Church 573-221-4048 ext. 127.

APPROVED:

  
Curt Wheeler, Presiding Commissioner

  
Mike Whelan, Eastern District Commissioner

  
Marilyn O'Bannon, Western District Commissioner

Attest:

  
Beth Whelan, Monroe County Clerk



## Jurisdiction Contact List

Melissa O'Bannon	City of Madison	<a href="mailto:cityofmadisonmo@gmail.com">cityofmadisonmo@gmail.com</a>
Tamitha Ague	City of Monroe City	<a href="mailto:tague@monroecity.org">tague@monroecity.org</a>
Barb McCall	City of Paris	<a href="mailto:superintendent@parismo.net">superintendent@parismo.net</a>
Mary McGee	City of Paris	<a href="mailto:cityclerk@parismo.net">cityclerk@parismo.net</a>
Stacie Milner	Village of Holliday	<a href="mailto:staciemilner@yahoo.com">staciemilner@yahoo.com</a>
Guy Callison	Village of Holliday	<a href="mailto:guysandy@windstream.net">guysandy@windstream.net</a>
Cory Putnam	MC 911	<a href="mailto:cputnam@mcjce911.org">cputnam@mcjce911.org</a>
James Ebbesmeyer	Paris Fire	<a href="mailto:james.ebbesmeyer@mdc.mo.gov">james.ebbesmeyer@mdc.mo.gov</a>
Darren Rapert	Middle Grove Schools	<a href="mailto:drapert@middlegrove.k12.mo.us">drapert@middlegrove.k12.mo.us</a>
Bryant Jones	Madison Schools	<a href="mailto:bjones@madison.k12.mo.us">bjones@madison.k12.mo.us</a>
Aaron Vitt	Paris Schools	<a href="mailto:avitt@paris.k12.mo.us">avitt@paris.k12.mo.us</a>
Tony DeGrave	Monroe City Schools	<a href="mailto:tdegrave@monroe.k12.mo.us">tdegrave@monroe.k12.mo.us</a>
Troy Clawson	South Shelby Schools	<a href="mailto:tclawson@cardinals.k12.mo.us">tclawson@cardinals.k12.mo.us</a>
Tara Lewis	Ralls County Schools	<a href="mailto:tlewis@rallsr2.k12.mo.us">tlewis@rallsr2.k12.mo.us</a>
	Shelbina Fire	<a href="mailto:shelbinafire@gmail.com">shelbinafire@gmail.com</a>
Adam Turner	Monroe PWSD #2	<a href="mailto:pwsd@parismo.net">pwsd@parismo.net</a>
Peggy O'Laughlin	Shelby PWSD #1	<a href="mailto:shelbypwsd@marktwain.net">shelbypwsd@marktwain.net</a>
Jared Nelson	Consolidated Electric	<a href="mailto:info@consolidatedelectric.com">info@consolidatedelectric.com</a>
Lynn Hodges	Ralls County Electric Coop	<a href="mailto:LHodges@rallstech.org">LHodges@rallstech.org</a>
Mary Allspach	Macon Electric Coop	<a href="mailto:mallspach@maconelectric.com">mallspach@maconelectric.com</a>
Tim Korman	Macon Electric Coop	<a href="mailto:tkorman@maconelectric.com">tkorman@maconelectric.com</a>
Allie Bennett	Northeast Power	<a href="mailto:abennett@northeast-power.coop">abennett@northeast-power.coop</a>
Curt Wheeler	Monroe County Commission	<a href="mailto:theroyalflushmo@gmail.com">theroyalflushmo@gmail.com</a>
Marilyn O'Bannon	Monroe County Commission	<a href="mailto:marilyn.obannon@gmail.com">marilyn.obannon@gmail.com</a>
Beth Whelan	Monroe County Clerk	<a href="mailto:clerk@monroecountymo.gov">clerk@monroecountymo.gov</a>
Rhonda Elliott	Cannon Water PWSD #1	<a href="mailto:cwater1@outlook.com">cwater1@outlook.com</a> <a href="mailto:rjelliott86@icloud.com">rjelliott86@icloud.com</a>
Justin Smoot	Holliday Schools	<a href="mailto:jsmoot@hollidayschool.com">jsmoot@hollidayschool.com</a>
Shannon Breid	Madison Fire	<a href="mailto:madisonFPD@hotmail.com">madisonFPD@hotmail.com</a>
Rick Enochs	Monroe City Fire	<a href="mailto:stormspotter1@hotmail.com">stormspotter1@hotmail.com</a>

## Anna Gill

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**From:** Anna Gill  
**Sent:** Tuesday, August 8, 2023 8:41 AM  
**To:** 'cityofmadisonmo@gmail.com'; Tamitha Ague; Lisa Hollingsworth; Mary McGee; 'staciemilner@yahoo.com'; 'guysandy@windstream.net'; 'cputnam@mcjce911.org'; 'james.ebbesmeyer@mdc.mo.gov'; 'drapert@middlegrove.k12.mo.us'; 'bjones@madison.k12.mo.us'; 'avitt@paris.k12.mo.us'; 'tdegrave@monroe.k12.mo.us'; 'tclawson@cardinals.k12.mo.us'; Tara Lewis; 'shelbinafire@gmail.com'; 'pwsd@parismo.net'; 'shelbypwsd@marktwain.net'; 'info@consolidatedelectric.com'; Hodges Lynn (LHodges@rallstech.org); 'Mary Allspach'; 'tkorman@maconelectric.com'; 'Allie Bennett'; 'Curt Wheeler'; Marilyn O'Bannon; Beth Whelan; 'cwater1@outlook.com'; 'rjelliott86@icloud.com'; 'parisebbesmeyer@gmail.com'; 'jsmoot@hollidayschool.com'; 'madisonFPD@hotmail.com'; 'stormspotter1@hotmail.com'  
**Cc:** Cindy Hultz; Devyn Campbell  
**Subject:** Monroe County Multi-Jurisdictional Hazard Mitigation Plan

**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](mailto:agill@marktwaincog.com)**

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

**Monroe County Multi-Jurisdictional Hazard Mitigation Plan Update**  
**Planning Meeting**  
**August 28, 2023**  
**Meeting Time: 10:00 a.m.**  
**Location: Monroe County Courthouse - Courtroom**  
**Address: 300 North Main Street, Paris, MO**

Monroe County is beginning the process to update the Monroe County Multi-Jurisdictional Hazard Mitigation Plan to better protect the people and property of Monroe County from the effects of natural hazard events. The existing plan was approved by FEMA in 2019. 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 Monroe 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 Monroe 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 Monroe 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 Monroe 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 Anna Gill, Community Planner. 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*

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

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

Monroe County  
Multi-Jurisdictional Hazard Mitigation Plan Update  
Planning Meeting  
August 28, 2023  
10:00 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

**Table 3: Eligible Activities by Program**

Eligible Activities	HMGP	BRIC	FMA
<b>1. Mitigation Projects</b>	✓	✓	✓
Property Acquisition and Structure Demolition	✓	✓	✓
Property Acquisition and Structure Relocation	✓	✓	✓
Structure Elevation	✓	✓	✓
Mitigation Reconstruction	✓	✓	✓
Dry Floodproofing of Historic Residential Structures	✓	✓	✓
Dry Floodproofing of Non-residential Structures	✓	✓	✓
Generators	✓	✓	
Localized Flood Risk Reduction Projects	✓	✓	✓
Non-localized Flood Risk Reduction Projects	✓	✓	
Structural Retrofitting of Existing Buildings	✓	✓	✓
Non-structural Retrofitting of Existing Buildings and Facilities	✓	✓	✓
Safe Room Construction	✓	✓	
Wind Retrofit for One- and Two-Family Residences	✓	✓	
Infrastructure Retrofit	✓	✓	✓
Soil Stabilization	✓	✓	✓
Wildfire Mitigation	✓	✓	
Post-Disaster Code Enforcement	✓		
Advance Assistance	✓		
5 Percent Initiative Projects	✓		
Miscellaneous/Other <sup>(1)</sup>	✓	✓	✓
<b>2. Hazard Mitigation Planning</b>	✓	✓	✓
Planning Related Activities	✓		
<b>3. Technical Assistance</b>			✓
<b>4. Management Cost</b>	✓	✓	✓

(1) Miscellaneous/Other indicates that any proposed action will be evaluated on its own merit against program requirements. Eligible projects will be approved provided funding is available.







### **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**

## Multi-Jurisdictional Local Hazard Mitigation Plan

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

Resolution # \_\_\_\_\_

**Adopting the Monroe 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 Monroe 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 “Monroe 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: \_\_\_\_\_

Name	Jurisdiction	Email address
Alexis Locke	NOAtheast Power	alocke@notheast-power.coop
JANIS EBBESMEYER	PARIS RURAL FIRE	parisfirechief@yahoo.com
Adam Turnip	PWSA of Monroe County	pwsd@paris.mo.net
Curt Wheeler	Monroe County Commission	
Nikole Sheehan	Monroe Co. Comm.	
Barb McCall	City of Paris	superintendent@paris.mo.net
Peggy Laughlin	PWSD #1 of Shelby Co	shelbypwsd@marktwain.net
Melissa Gausman	Co Clerk office	monroe@sos.mo.gov
Tamara Ague	Monroe City	tague@monroecity.org
Melissa O'Bannon	Madison	cityofmadisonmo@gmail.com
Lamy Jones	Madison	
Bryant Jones	Madison C-3	bjones@madison.k12.mo.us
Aaron Vitt	Paris R-II Schuls	avitt@paris.k12.mo.us
Steve Jones	Monroe Co. EMD	parisfirechief@yahoo.com
Beth Whelan	monroe County Clerk	clerk@monroecounty.mo.gov
Deryn Campbell	MTRCOG	dcampbell@marktwainco.gov
Anna Gill	MTRCOG	agill@marktwainco.gov.com

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



**PLAN UPDATE  
MEETING  
AUGUST 28, 2023**

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

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**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


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**WHAT IS MITIGATION?**

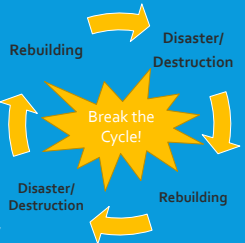
- Sustained action taken to reduce or eliminate long-term risk to human life and property from hazard events
- Mitigation planning is a process for communities to:
  - Identify the hazards to which they are at risk;
  - Assess the potential impacts of those hazards;
  - Develop goals, objectives, and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

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## 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 2019 Monroe County Multi-jurisdictional Hazard Mitigation Plan.




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## PRESIDENTIAL MAJOR DISASTER DECLARATIONS INCLUDING MONROE COUNTY SINCE 1965

Disaster Number	Description	Declaration Date Incident Period	Individual Assistance (IA) Public Assistance (PA)
372	Severe Storm	4/15/1973	-
3017	Drought	9/24/1976	-
995	Flood	7/9/1993	-
1403	Severe Ice Storm	2/6/2002	PA
1463	Severe Storm	5/6/2003	IA, PA
1524	Severe Storm	6/11/2004	IA
3232	Hurricane	9/10/2005	PA
1631	Severe Storm	3/16/2006	IA, PA
3281	Severe Storm	12/12/2007	PA
1773	Severe Storm	6/25/2008	IA, PA
3303	Severe Ice Storm	1/30/2009	-
1934	Severe Storm	9/17/2010	PA
3317	Severe Storm	3/3/2011	PA
1961	Severe Storm	2/23/2011	PA
4230	Severe Storm	8/7/2015	PA
4451	Severe Storm	7/6/2019	PA
3482	Biological	3/13/2020	PA
4490	Biological	3/26/2020	PA

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## FEMA – HAZARD MITIGATION ASSISTANCE GRANTS

Hazard Mitigation Grant Program (HMPG)	Flood Mitigation Assistance (FMA) Grant	Building Resilient Infrastructure and Communities (BRIC)
<ul style="list-style-type: none"> <li>Grants to implement long-term hazard mitigation measures after a major disaster declaration</li> <li>Funding is based on the estimated total or aggregate cost of federal disaster assistance, subject to a sliding scale formula</li> </ul>	<ul style="list-style-type: none"> <li>Annual appropriation</li> <li>Projects must be in a participating National Flood Insurance Program (NFIP) community</li> <li>Applications due to SEMA at EOY</li> <li>Selected applications are forwarded to FEMA</li> <li>75% federal and 25% non-federal match</li> </ul>	<ul style="list-style-type: none"> <li>Annual appropriation</li> <li>Each state gets \$575,000</li> <li>Applications due to SEMA at EOY</li> <li>Selected applications are forwarded to FEMA</li> <li>75% federal and 25% non-federal match</li> </ul>

**An approved local mitigation plan is required.**


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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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## 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

- Monroe County Commission
- Holliday
- Madison
- Monroe City
- Paris
- Monroe City R-I School District
- Paris R-II School District
- Holliday C-II School District
- Middle Grove C-I School District
- Holy Rosary Schools

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## HAZARD MITIGATION PLANNING COMMITTEE

### TASK 2: BUILD THE PLANNING TEAM

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

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

11/1/2023

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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      15 Minutes to complete questionnaire


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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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## 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

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## 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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## 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 (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

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## FLOODING (RIVERINE AND FLASH)

Flash flooding occurs in SFHAs and those locations in the planning area that are low-lying. They also occur in areas without adequate drainage to carry away the amount of water that falls during intense rainfall events. NCDC database was used to determine which jurisdictions are most prone to flash flooding during a 20-year time period. **Table 3.15** shows the number of flash flood events by location recorded in NCDC for the 20-year period.

**Table 3.15. Monroe County NCEI Flood Events by Location, 2003-2023**

Location	# of Events
Unincorporated County	1

Flash flooding occurs in SFHAs and those locations in the planning area that are low-lying. They also occur in areas without adequate drainage to carry away the amount of water that falls during intense rainfall events. NCEI data was used to determine which jurisdictions are most prone to flash flooding during the 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. Monroe County NCEI Flash Flood Events by Location, 2003-2023**

Location	# of Events
Unincorporated County	11
Unincorporated County (unspecified)	3 flood events
Unincorporated County (Woodlawn)	3 flood events
Unincorporated County (Tulps)	1 flood events
Unincorporated County (Victor)	1 flood events
Unincorporated County (Spartan)	1 flood events
Unincorporated County (Duncan's Bridge)	1 flood events
Unincorporated County (Middle Grove)	1 flood events
Holiday	2
Holiday (unspecified)	2 flood events
Plan	1
Plan (unspecified)	1 flood events
Monroe City	4
Monroe City (unspecified)	4 flood events

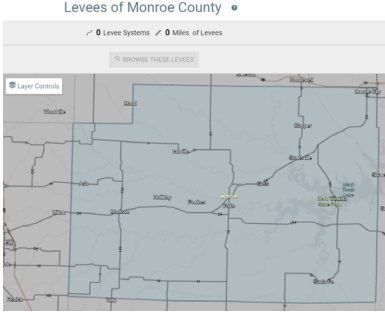
Source: National Centers for Environmental Information, 8/8/2023

**Problem Statement**  
 Flooding or flash flooding affects the rural areas of Monroe County. Possible solutions are to increase the education to residents, promote the use of social media or texting and work with officials to identify flood prone areas.

24

## LEVEE FAILURE

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



25




## LEVEE FAILURE

**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.


26



## DAM FAILURE

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

27




## DAM FAILURE

Vulnerability to dam failure is a factor due to multiple dams in the planning area, including several High Hazard Dams, indicating that loss of life is possible in the event of failure. Neighboring communities are also at risk if they are downstream from a dam. Should Monroe City South Lake Dam be compromised, the Village of Stoutsville is the closest downstream community and would be impacted. The planning committee chose only to address the high hazard dams within the planning area due to the pre-determined risk associated by these dams.

**Problem Statement**

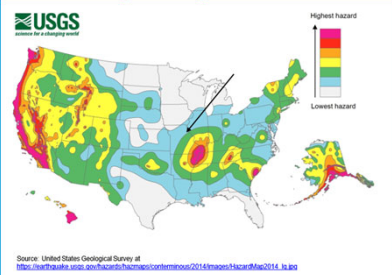
Jurisdictions within Monroe County that have control of dams do not properly inspect the dam to ensure the safety of the dam from failing. Jurisdictions and residents need to be informed of the proper way to inspect a dam and look for initial problems.

28




## EARTHQUAKE

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



Source: United States Geological Survey at [https://earthquake.usgs.gov/hazards/3dcmaps/continuous/2014/miscon/hazard/Mar2014\\_3d.jpg](https://earthquake.usgs.gov/hazards/3dcmaps/continuous/2014/miscon/hazard/Mar2014_3d.jpg)


29



## EARTHQUAKES

- Although Monroe 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 likely hood of impact. Bethel, Shelbina and Monroeville consist of a few older tall buildings that are not able to withstand an earthquake event. 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.


30



## LAND SUBSIDENCE/SINKHOLES

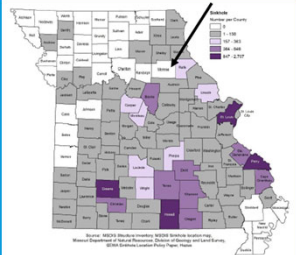
- Known Sinkhole Areas
  - Mines
  - Karst
- Previous Events?

31

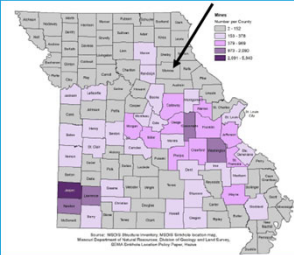


## LAND SUBSIDENCE / SINKHOLES

Sinkholes in Monroe County




Mines in Monroe County



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.

32




## LAND SUBSIDENCE/SINKHOLES

**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.


33



## DROUGHT

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

34




## DROUGHT

According to the National Center for Environmental Information, during the 20-year period from 2003 to 2023 (so far), Monroe County had 31 reported drought impacts. The following are the categories:

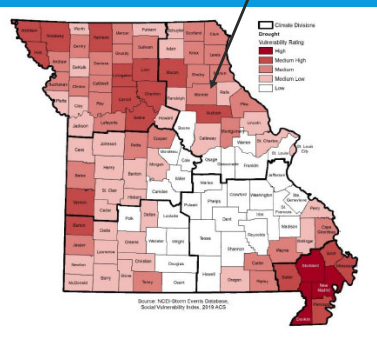
- Agriculture
- Business & Industry
- Fire
- Plants & Wildlife
- Relief, Response, & Restrictions
- Society & Public Health
- Tourism & Recreation
- Water Supply & Quality

Impacts   Monroe County, MO 08-10-2003 - 08-10-2023	
<b>County Impacts</b>	<b>31</b>
<b>Category</b>	
• Agriculture	19
• Business & Industry	1
• Fire	4
• Plants & Wildlife	7
• Relief, Response & Restrictions	21
• Society & Public Health	1
• Tourism & Recreation	1
• Water Supply & Quality	10
<b>Report Source</b>	
• Media	19
• User	4
• Other Agency	2
• CoCoRaHS	1
• Legacy	6

35




## DROUGHT



Source: NCEM Green Climate Solutions  
Drought Vulnerability Index, 2019 NCEM

36



## DROUGHT

**Problem Statement**

- Monroe County residents are not informed on water conservation, not all citizens comply with water usage warnings when issued, water use is greatly affected, businesses and residents have continual problems with water shortages.
- Water conservation needs to occur to ensure all citizens comply with water shortage warnings and plans need to be established for businesses and residents on how to survive a drought.


37



## EXTREME TEMPERATURES

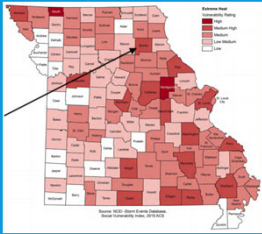
- Previous Events
  - NWS Advisories/Watches/Warnings for Heat/Excessive Heat or Cold/Wind Chill
  - NCEI (National Centers for Environmental Information)
  - Any injuries/fatalities?
  - USDA Risk Management Agency Crop Losses

38

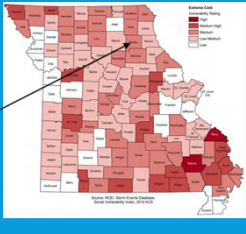


## EXTREME TEMPERATURES


Vulnerability Rating-Extreme Heat



Vulnerability Rating-Extreme Cold



39




## EXTREME TEMPERATURES

**Problem Statement**


- Not everyone in Monroe County utilizes social media and texting; elderly and young children are most vulnerable to a heat wave. Cooling locations in the county need to be identified and open to everyone for extended hours. Utilization of social media and texting needs to be promoted. Monroe 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.

40




## SEVERE THUNDERSTORMS

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



41



## SEVERE THUNDERSTORMS

**Probability of Future Occurrence**


**Thunderstorms**  
Thunderstorm wind events 52 knots and greater have a probability of occurring 2 times per year in the planning area in any given year. These rates are expected to continue in the future.

**High Winds**  
High wind events with 52 knots or greater are expected to occur infrequently over a 10-year period.

**Lightning**  
Lightning events are expected to occur infrequently over a 10-year period.

**Hail**  
Based on this data, there have been 19 events in a 10-year period, producing an average of 1.9 hail events each year in Monroe County. Based on history, the probability of a hail event in any given year is 100 percent. Thus, making the probability as likely in any given year.

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## SEVERE THUNDERSTORMS

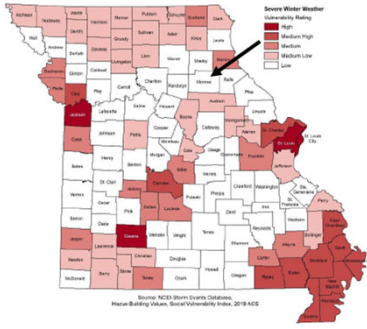
**Problem Statement**

- 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 has access to a weather radio; smaller communities do not have warning sirens, and rural areas do not have warning sirens.
- Possible solutions could be the installation of warning sirens in smaller communities or campgrounds, rural citizens are educated on how to utilize social media and texting, and weather radios are accessed by residents more than what is currently being used.

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## SEVERE WINTER WEATHER

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



Source: NCEI, Storm County Database, Hazard Building Values, Social Vulnerability Index, 2010 ACS

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## SEVERE WINTER WEATHER

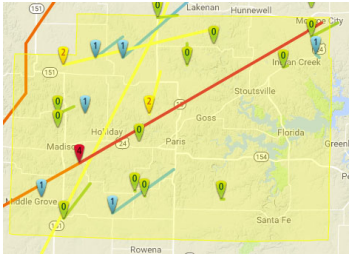
**Problem Statement**

- Monroe County does not have adequate shelters for residents in the event of a winter storm that are easily accessible with roads that can become hazardous for motorists and emergency responders, power lines can break from ice accumulation and not everyone utilizes social media or texting.
- Education needs to occur to ensure all residents are aware of the shelters in the county. Residents should be educated on emergency supplies to have and the utilization of social media and texting should increase for notification purposes.


45

## TORNADO

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



46



## TORNADO

**Table 3.48. Recorded Tornadoes in Monroe County, 1993 – Present**

Date	Beginning Location	Ending Location	Length (miles)	Width (yards)	F1/F2 Rating	Death	Injury	Property Damage	Crop Damages
05/10/2003	39 62- 91 53	North Fork	1.2	40	0	0	0	0	0
05/10/2003	1SW Monroe City	2ENE Monroe City	1.5	50	0	0	0	0	0
03/12/2006	2N Madison	2N Madison	1	50	0	0	0	0	0
03/12/2006	3SW Middle	2SE Madison	9	300	2	0	0	0	0
03/12/2006	2SE Madison	Monroe City	29	500	4	0	0	0	0
03/01/2007	4N Madison	4S SE Woodlawn	2.07	50	0	0	0	0	0
03/01/2017	4ENE Woodlawn	4N Granville	3.36	50	1	0	0	0	0
03/01/2017	2N Granville	5NW North Fork	6.49	100	1	0	0	0	0
10/02/2017	1NNW Woodlawn	2N North Fork	15.14	100	2	0	1	50,00K	0
10/17/2017	4NW Tulip	5 S S SW Holiday	3.97	40	0	0	0	0	0
10/17/2017	4SE Granville	4ENE Granville	4.07	80	2	2	0	50,00K	0
10/17/2017	3W North Fork	3 W North Fork	1.72	50	0	0	0	0	0
05/15/2009	6S SE Holiday	6S SE Holiday	1.11	30	0	0	0	0	0
05/15/2009	6WNW Santa Fe	2S SW Strother	.26	40	0	0	0	0	0
02/27/2011	6WNW North Fork	6WNW North Fork	1.27	20	0	0	0	0	0
06/27/2011	2S SW Monroe	2S Monroe City	.43	40	1	0	0	0	0
04/17/2013	2NE Tulip	3S Paris	7.45	70	1	0	0	0	0
04/17/2013	6 S S SW Paris	6S SW Paris	0.07	40	0	0	0	0	0
04/17/2013	1SW Indian Creek	1SW Indian Creek	.45	50	0	0	0	0	0
07/04/1995	2SW Duncan	3W Shelbyville	1.60	24	1	0	0	4,50K	2,50K
<b>Total</b>						2	1	114,50K	2,50K

Source: National Centers for Environmental Information, <http://www.ncei.noaa.gov/stormevents/>.

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## TORNADO

**Problem Statement**

- Monroe County has inadequate tornado shelters throughout the county, not everyone utilizes social media and/or texting, the rural areas do not have warning sirens, smaller communities do not have warning sirens, lack of awareness for available shelters, and more education needs to occur.
- Possible solutions could be awareness made of existing tornado shelters, education on what to do in the event of a tornado, and smaller communities could install warning sirens. A strong emphasis could be made for everyone in the county to own a weather radio.

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## WILDFIRE

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

**Figure 3.32. Vulnerability to Structural and Urban Fire**

Urban / Structural Fire Vulnerability of Counties

- Low
- Low-Medium
- Medium
- High
- Very High

Source: MISSOURI Structural Inventory, MISSOURI Structural Inventory, Missouri Department of Natural Resources, Division of Geology and Land Survey

Source: 2023 Missouri State Hazard Mitigation Plan \*Planning area indicated by arrow

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## WILDFIRE

### 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.

50

## PANDEMIC

Center for Disease Control

- Previous and ongoing events
- History of pandemics

➤ Vulnerability Rating map of the United States (ArcGIS)

11/1/2023


51

## PANDEMIC

### 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.


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


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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

55



## SECTIONS TO ADDRESS:

**Table 3.11. Major Non-Government Employers in Monroe County**

Employer Name	Main Locations	Product or Service	Employees

Source: Data Collection Questionnaires; local Economic Development Commissions

56



57

**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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**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 2023 MISSOURI STATE HAZARD MITIGATION PLAN

- Goal 1: Preserve human life, health, and safety from the adverse effects of disasters.
- Goal 2: Defend the continuity of government and essential services and processes from the adverse effects of disasters.
- Goal 3: Protect public and private property from the adverse effects of disasters.
- Goal 4: Safeguard community tranquility from the adverse effects of disasters.

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## MONROE COUNTY 2019 PLAN GOALS (REVIEW/REVISE)

1. Public Awareness- Using a variety of communications avenues to increase the citizens awareness of and promote education about the natural hazards that they may face, their vulnerability to these hazards, and how to lessen the effect of future natural hazards.
2. Strengthen communication and coordination between local governments, emergency personnel, public agencies, and citizens to mitigate the effect of future natural hazards.
3. Investigate, implement, maintain, and enforce mitigation policies and programs that limit the impact of natural hazards; on the loss of life; on new and existing properties; on natural resources; on infrastructure; and on the local economy.

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## UPDATE MITIGATION ACTIONS

63



## MITIGATION ACTIONS

**S**pecific  
**M**easurable  
**A**chievable  
**R**elevant  
**T**ime-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

**S**pecific  
**M**easurable  
**A**chievable  
**R**elevant  
**T**ime-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- Install/upgrade generators at critical facilities

\*Think flood mitigation, transportation infrastructure, etc.\*

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## MITIGATION ACTION PLANS

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

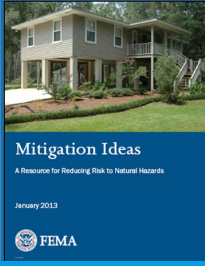
Action Worksheet	
Name of Jurisdiction:	Risk / Vulnerability:
Secondary Address:	
Problem Area/Subject:	Action or Project:
Applicable Goal Statement:	
Action/Project Number:	
Name of Action or Project:	
Mitigation Category:	
Action or Project Description:	
Estimated Cost:	
Benefits:	Plan for Implementation:
Responsible Organization/Department:	
Action/Project Priority:	
Timeline for Completion:	
Responsible Staff Member:	
Local Planning Mechanism to be Used in Implementation of AIC:	Program Report:
Action Status:	
Report of Progress:	

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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), Missouri RESOLUTION NO. \_\_\_\_

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

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

WHEREAS the (local governing body/school district) has participated in the preparation of a multi-jurisdictional local hazard mitigation plan, hereby known as the (plan name), heretofore 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 resolution 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 County of Missouri, THAT:

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

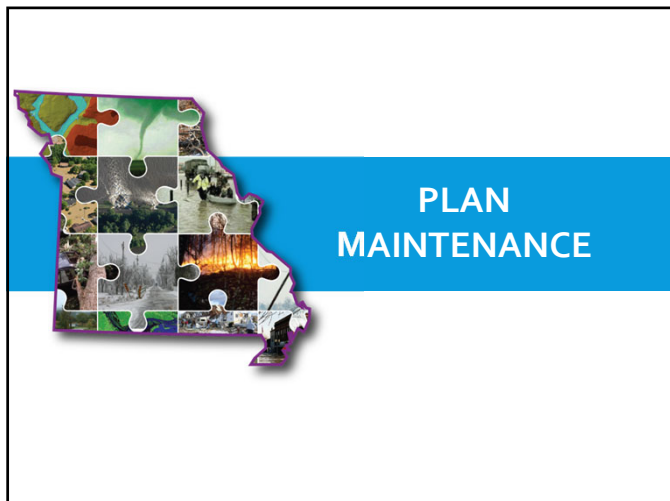
ADOPTED by a vote of \_\_\_\_ in favor and \_\_\_\_ against, and \_\_\_\_ abstaining, this \_\_\_\_ day of \_\_\_\_.

By (Sig): \_\_\_\_\_  
 PWT name: \_\_\_\_\_


ATTEST:  
 By (Sig): \_\_\_\_\_  
 PWT name: \_\_\_\_\_

APPROVED AS TO FORM:  
 By (Sig): \_\_\_\_\_  
 PWT name: \_\_\_\_\_

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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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## PUBLIC COMMENT PERIOD


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## COMMENT PERIODS-FULL PLAN DRAFT

- November 30, 2023 – December 14, 2023 Committee and Public Comment Period
  - 2 week period
  - [www.marktwaincog.com](http://www.marktwaincog.com)
  - Monroe County Courthouse
  - Monroe County Appeal

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## NEXT STEPS

- December 2023-Submit Plan to SEMA
- After receiving SEMA Approval-Submit Plan to FEMA

79

# Multi-Jurisdictional Hazard Mitigation Plan

## Data Collection Questionnaire

### For Local Governments

County: Monroe

Jurisdiction: Monroe County Commission

Return by: October 3, 2023

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: Curt Wheeler Steve Jones

Phone: 877-433-3061 573-473-8156

Email: clerk@monroe County mo. gov

Date: 9/25/2023

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

Name: Anna Gill

Address: 42494 Delaware Lane, Perry, MO 63462

Email: agill@marktwaincog.com

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
<b>Planning Capabilities</b>		
<b><u>Comprehensive Plan</u></b>	Date: 8/28/2023	
Bullder's Plan	Date:	Monroe City, Madison
Capital Improvement Plan	Date: RPC	
City Emergency Operations Plan	Date: yes	County's LEOP
County Emergency Operations Plan	Date: yes	LEOP
Local Recovery Plan	Date:	LEPC
County Recovery Plan	Date:	LEPC
City Mitigation Plan	Date:	LEOP
County Mitigation Plan	Date:	LEOP
Debris Management Plan	Date:	Road + Bridge
<b><u>Economic Development Plan</u></b>	Date: yes	Moberly Area Econ Dev
Transportation Plan	Date: yes	no DOT
Land-use Plan	Date: no	
Flood Mitigation Assistance (FMA) Plan	Date: yes	
<b><u>Watershed Plan</u></b>	Date: yes	Corp of Engineers + NRCGS
Firewise or other fire mitigation plan	Date: yes	5 Volunteer Fire Dept
Critical Facilities Plan (Mitigation/Response/Recovery)	Date: yes	Risk Management Plan

Element	Yes, No, N/A	Comments and/or Weblink
<b>Policies/Ordinance</b>		
Zoning Ordinance	Yes	Paris, MC, Madison, Hollidaysburg
Building Code	Version: No, County	Yes: MC, Paris, Madison
Floodplain Ordinance	Date: 01/2012	Yes: Paris, MC, Madison
Subdivision Ordinance	No, County	Paris, MC, Madison, Hollidaysburg
Tree Trimming Ordinance	No	
Nuisance Ordinance	No	
Stormwater Ordinance	No	MC, Paris, Madison
Drainage Ordinance	No	USDA
Site Plan Review Requirements	No	
Historic Preservation Ordinance	Yes. Buildings & Arch Sites, Covered Bridge.	
Landscape Ordinance	No	
<b>Program</b>		
Zoning/Land Use Restrictions	Yes	Monroe Co P&Z
Codes Building Site/Design	Yes	
Hazard Awareness Program	Yes	LEPC
National Flood Insurance Program (NFIP)	Co No	Paris, Monroe City, Madison
NFIP Community Rating System (CRS) program		If so, what is your current level rating? N/A
National Weather Service (NWS) Storm Ready Certification	No	
Firewise Community Certification	No	
Building Code Effectiveness Grading (BCEGs)	No	MC, BOCA, IBC Update 2011
ISO Fire Rating	Rating: No	
Economic Development Program	Yes	
Land Use Program	Yes	
Public Education/Awareness	Yes	
Property Acquisition	No	
Planning/Zoning Boards	Yes	
Stream Maintenance Program	No	
Tree Trimming Program	No	
<b>Engineering Studies for Streams (Local/County/Regional)</b>	No, County	Yes: US COE

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

Element	Yes, No, N/A	Comments and/or Weblink
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		No
Authority to levy taxes for specific purposes		Yes
Fees for water, sewer, gas, or electric services		No
Impact fees for new development		No
Incur debt through general obligation bonds		No
Incur debt through special tax bonds		No
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 Plan	
Builder's Plan	
Capital Improvement Plan	
Local Recovery Plan	
County Recovery Plan	Monroe County Commission <sup>In</sup> Progress
Debris Management Plan	
Economic Development Plan	IDA- Doug Burnett Barb McCall Shane Spalding + County Commission
Transportation Plan	
Land-use Plan	
Watershed Plan	
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 - 3

Mayor/City Council

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.

Same

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.

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

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

911

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

~~No~~ No

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

Yes - Missouri Extension Foundation

Please provide address locations:

New Building

New Address



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

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

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.

No

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

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?

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

## 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						

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)						
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						

\*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

## 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.

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

## 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.

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

# ASSESSMENT OF PREVIOUSLY PROPOSED ACTIONS

Jurisdiction: Monroe County

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 - <input type="checkbox"/> Delete - <input type="checkbox"/> Modify - <input type="checkbox"/>
		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		

**2018 Updated Strategy**

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

**Action MPC 2000:** Generator for Emergency Shelter

Ongoing 2023

<b>Action Worksheet</b>	
<b>Name of Jurisdiction:</b>	Monroe County
<b>Risk / Vulnerability</b>	
<b>Problem being Mitigated:</b>	Generator for Emergency Shelter
<b>Hazard(s) Addressed:</b>	FL LF DF EQ LSS D ET ST SWW T WF A CD F HM MTA PH SE TX U
<b>Action or Project</b>	
<b>Action/Project Number:</b>	MPC 2000
<b>Name of Action or Project:</b>	Generator for Emergency Shelter(s)
<b>Action or Project Description:</b>	Obtain a back-up generator(s) for emergency shelter as funds become available
<b>Applicable Goal Statement:</b>	Goal 2- Strengthen Communication and coordination between local governments, emergency personnel, public agencies, and citizens to mitigate the effects of future natural hazards
<b>Estimated Cost:</b>	\$30,000
<b>Benefits:</b>	Generators will allow for continued use of utilities in the event of an outage, this could result in a benefit during a heat event where cooling is necessary
<b>Plan for Implementation</b>	
<b>Responsible Organization/Department:</b>	County Commission
<b>Action/Project Priority:</b>	Low
<b>Timeline for Completion:</b>	1-5 years
<b>Potential Fund Sources:</b>	N/A
<b>Local Planning Mechanisms to be Used in Implementation, if any:</b>	Hazard Mitigation Plan
<b>Progress Report</b>	
<b>Action Status</b>	Continuing
<b>Report of Progress</b>	Upgrade, add new as funding becomes available
<b>Completed by : Mike Minor, Mike Whelan, Ron Staggs</b>	Monroe County Commission

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

**Action MPC 2000:** Updating Warning Sirens

*Ongoing*

<b>Action Worksheet</b>	
<b>Name of Jurisdiction:</b>	Monroe County
<b>Risk / Vulnerability</b>	
<b>Problem being Mitigated:</b>	Residents lack early warning of storms.
<b>Hazard(s) Addressed:</b>	T ST WF F SE TX
<b>Action or Project</b>	
<b>Action/Project Number:</b>	MPC 2000
<b>Name of Action or Project:</b>	Update Warning sirens
<b>Action or Project Description:</b>	Obtain warning sirens, or additional warning sirens as needed for the Town of Holliday.
<b>Applicable Goal Statement:</b>	Goal 3- Investigate, implement, maintain, and enforce mitigation policies and programs that limit the impact of natural hazards: on loss of life; on new and existing properties; on natural resources; on infrastructure; on the local economy.
<b>Estimated Cost:</b>	\$22,000
<b>Benefits:</b>	With adequate time for warning of storms, residents are able to seek cover to help minimize the loss of life.
<b>Plan for Implementation</b>	
<b>Responsible Organization/Department:</b>	County Commission
<b>Action/Project Priority:</b>	High
<b>Timeline for Completion:</b>	1-5 years
<b>Potential Fund Sources:</b>	N/A
<b>Local Planning Mechanisms to be Used in Implementation, if any:</b>	Hazard Mitigation Plan
<b>Progress Report</b>	
<b>Action Status</b>	Continuing Not Started
<b>Report of Progress</b>	N/A
<b>Completed by : Mike Minor, Mike Whelan, Ron Staggs</b>	Monroe County Commission

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

**Action MPC 2000:** Encourage Drought Resistant Farming Practices

*Delete*

<b>Action Worksheet</b>	
<b>Name of Jurisdiction:</b>	Monroe County
<b>Risk / Vulnerability</b>	
<b>Problem being Mitigated:</b>	Loss of Crop
<b>Hazard(s) Addressed:</b>	D
<b>Action or Project</b>	
<b>Action/Project Number:</b>	MPC 2000
<b>Name of Action or Project:</b>	Drought Resistant Farming practices
<b>Action or Project Description:</b>	Drought Resistant Farming practices. Training for local Farmers for best practices.
<b>Applicable Goal Statement:</b>	Goal 2- Strengthen Communication and coordination between local governments, emergency personnel, public agencies, and citizens to mitigate the effects of future natural hazards
<b>Estimated Cost:</b>	\$0
<b>Benefits:</b>	Educating farmers/residents of farming practices could help lower the loss of crop.
<b>Plan for Implementation</b>	
<b>Responsible Organization/Department:</b>	County Commission
<b>Action/Project Priority:</b>	Medium
<b>Timeline for Completion:</b>	1-5 years
<b>Potential Fund Sources:</b>	N/A
<b>Local Planning Mechanisms to be Used in Implementation, if any:</b>	Hazard Mitigation
<b>Progress Report</b>	
<b>Action Status</b>	Continuing Not Started
<b>Report of Progress</b>	N/A
<b>Completed by: Mike Minor, Mike Whelan, Ron Staggs</b>	Monroe County Commission

**Goal 2:** Strengthen Communication and coordination between local governments, emergency personnel, public agencies, and citizens to mitigate the effects of future natural hazards

**Action MPC 2000:** Monitor Dams

Corps.

<b>Action Worksheet</b>	
<b>Name of Jurisdiction:</b>	Monroe County
<b>Risk / Vulnerability</b>	
<b>Problem being Mitigated:</b>	Dam failure
<b>Hazard(s) Addressed:</b>	FL LF DF
<b>Action or Project</b>	
<b>Action/Project Number:</b>	MPC 2000
<b>Name of Action or Project:</b>	Monitor Dams
<b>Action or Project Description:</b>	Monitor dams at city lakes. Review and conform to DNR regulation at dams
<b>Applicable Goal Statement:</b>	Goal 2- Strengthen Communication and coordination between local governments, emergency personnel, public agencies, and citizens to mitigate the effects of future natural hazards
<b>Estimated Cost:</b>	\$0
<b>Benefits:</b>	Regular inspection of dams can help minimize the risk of dam failure
<b>Plan for Implementation</b>	
<b>Responsible Organization/Department:</b>	County Commission
<b>Action/Project Priority:</b>	Low
<b>Timeline for Completion:</b>	1-5 years
<b>Potential Fund Sources:</b>	N/A
<b>Local Planning Mechanisms to be Used in Implementation, if any:</b>	Hazard Mitigation
<b>Progress Report</b>	
<b>Action Status</b>	Continuing Not Started
<b>Report of Progress</b>	N/A
<b>Completed by: Mike Minor, Mike Whelan, Ron Staggs</b>	Monroe County Commission

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

**Action MPC 2000:** Update current emergency response communication infrastructure

*ongoing*

<b>Action Worksheet</b>	
<b>Name of Jurisdiction:</b>	Monroe County
<b>Risk / Vulnerability</b>	
<b>Problem being Mitigated:</b>	Communication
<b>Hazard(s) Addressed:</b>	FL LF DF EQ LSS D ET ST SWW T WF A CD CyD F HM MTA NPP PH SE TX U
<b>Action or Project</b>	
<b>Action/Project Number:</b>	MPC 2000
<b>Name of Action or Project:</b>	Upgrade current emergency response communication infrastructure
<b>Action or Project Description:</b>	Evaluate and upgrade the current emergency response communication infrastructure as needed and funds become available
<b>Applicable Goal Statement:</b>	Goal 3- Investigate, implement, maintain, and enforce mitigation policies and programs that limit the impact of natural hazards: on loss of life; on new and existing properties; on natural resources; on infrastructure; on the local economy.
<b>Estimated Cost:</b>	\$40,000
<b>Benefits:</b>	Continuous communication during an event is essential
<b>Plan for Implementation</b>	
<b>Responsible Organization/Department:</b>	County Commission
<b>Action/Project Priority:</b>	High
<b>Timeline for Completion:</b>	1-5 years
<b>Potential Fund Sources:</b>	N/A
<b>Local Planning Mechanisms to be Used in Implementation, if any:</b>	Hazard Mitigation
<b>Progress Report</b>	
<b>Action Status</b>	Continue not started
<b>Report of Progress</b>	N/A
<b>Completed by: Mike Minor, Mike Whelan, Ron Staggs</b>	Monroe County Commission

**Goal 2:** Strengthen Communication and coordination between local governments, emergency personnel, public agencies, and citizens to mitigate the effects of future natural hazards

**Action MPC 2000: Upgrade Warning Sirens**

*Ongoing*

<b>Action Worksheet</b>	
<b>Name of Jurisdiction:</b>	Monroe County
<b>Risk / Vulnerability</b>	
<b>Problem being Mitigated:</b>	Residents lack early warning of storms or tornados
<b>Hazard(s) Addressed:</b>	T ST WF F SE TX
<b>Action or Project</b>	
<b>Action/Project Number:</b>	MPC 2000
<b>Name of Action or Project:</b>	Upgrade warning sirens when funds become available, Test sirens on a regular basis
<b>Action or Project Description:</b>	Maintain and testing on regular schedule of the current warning siren system and upgrade as needed and funds become available
<b>Applicable Goal Statement:</b>	Goal 2- Strengthen Communication and coordination between local governments, emergency personnel, public agencies, and citizens to mitigate the effects of future natural hazards
<b>Estimated Cost:</b>	\$22,000
<b>Benefits:</b>	Lives will be protected from hazards such as tornados.
<b>Plan for Implementation</b>	
<b>Responsible Organization/Department:</b>	County Commission
<b>Action/Project Priority:</b>	High
<b>Timeline for Completion:</b>	2023
<b>Potential Fund Sources:</b>	N/A
<b>Local Planning Mechanisms to be Used in Implementation, if any:</b>	Hazard Mitigation Plan
<b>Progress Report</b>	
<b>Action Status</b>	Continuing
<b>Report of Progress</b>	Complete regular testing of sirens
<b>Completed by: Mike Minor, Mike Whelan, Ron Staggs</b>	Monroe County Commission

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

**Action MPC 2000: NFIP**

*Ongoing*

<b>Action Worksheet</b>	
<b>Name of Jurisdiction:</b>	Monroe County
<b>Risk / Vulnerability</b>	
<b>Problem being Mitigated:</b>	Flooding
<b>Hazard(s) Addressed:</b>	FL LF DF
<b>Action or Project</b>	
<b>Action/Project Number:</b>	MPC 2000
<b>Name of Action or Project:</b>	NFIP
<b>Action or Project Description:</b>	Evaluate compliance status of the NFIP requirements and involvement to reduce the flood risks associated with the Flood Hazard Areas
<b>Applicable Goal Statement:</b>	Goal 3- Investigate, implement, maintain, and enforce mitigation policies and programs that limit the impact of natural hazards: on loss of life; on new and existing properties; on natural resources; on infrastructure; on the local economy.
<b>Estimated Cost:</b>	\$20,000
<b>Benefits:</b>	Flood Insurance
<b>Plan for Implementation</b>	
<b>Responsible Organization/Department:</b>	County Commission
<b>Action/Project Priority:</b>	Low
<b>Timeline for Completion:</b>	2023
<b>Potential Fund Sources:</b>	N/A
<b>Local Planning Mechanisms to be Used in Implementation, if any:</b>	Hazard Mitigation Plan
<b>Progress Report</b>	
<b>Action Status</b>	Continuing
<b>Report of Progress</b>	NFIP not currently in compliance
<b>Completed by: Mike Minor, Mike Whelan, Ron Staggs</b>	Monroe County Commission



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

**Action MPC 2000: NFIP**

*Ongoing*

<b>Action Worksheet</b>	
<b>Name of Jurisdiction:</b>	Monroe County
<b>Risk / Vulnerability</b>	
<b>Problem being Mitigated:</b>	Flooding
<b>Hazard(s) Addressed:</b>	FL LF DF
<b>Action or Project</b>	
<b>Action/Project Number:</b>	MPC 2000
<b>Name of Action or Project:</b>	NFIP
<b>Action or Project Description:</b>	Low Water Crossings throughout Monroe County; elevated as funding becomes available and/or replaced if applicable.
<b>Applicable Goal Statement:</b>	Goal 3- Investigate, implement, maintain, and enforce mitigation policies and programs that limit the impact of natural hazards: on loss of life; on new and existing properties; on natural resources; on infrastructure; on the local economy.
<b>Estimated Cost:</b>	\$20,000
<b>Benefits:</b>	Flood Insurance
<b>Plan for Implementation</b>	
<b>Responsible Organization/Department:</b>	County Commission
<b>Action/Project Priority:</b>	Low
<b>Timeline for Completion:</b>	2023
<b>Potential Fund Sources:</b>	N/A
<b>Local Planning Mechanisms to be Used in Implementation, if any:</b>	Hazard Mitigation Plan
<b>Progress Report</b>	
<b>Action Status</b>	New
<b>Report of Progress</b>	N/A
<b>Completed by: Mike Minor, Mike Whelan, Ron Staggs</b>	Monroe County Commission

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

**Action MPC 2000: Update Floodplain Map**

*Ongoing*

<b>Action Worksheet</b>	
<b>Name of Jurisdiction:</b>	Monroe County
<b>Risk / Vulnerability</b>	
<b>Problem being Mitigated:</b>	Flooding
<b>Hazard(s) Addressed:</b>	FL LF DF
<b>Action or Project</b>	
<b>Action/Project Number:</b>	MPC 2000
<b>Name of Action or Project:</b>	Update Floodplain Map
<b>Action or Project Description:</b>	Work with FEMA and Army Cop of Engineers to update Floodplain map as needed
<b>Applicable Goal Statement:</b>	Goal 3- Investigate, implement, maintain, and enforce mitigation policies and programs that limit the impact of natural hazards: on loss of life; on new and existing properties; on natural resources; on infrastructure; on the local economy.
<b>Estimated Cost:</b>	\$0
<b>Benefits:</b>	Floodplain map will assist in monitoring demographics to ensure minimal/no flooding occurs in residential areas
<b>Plan for Implementation</b>	
<b>Responsible Organization/Department:</b>	County Commission
<b>Action/Project Priority:</b>	Low
<b>Timeline for Completion:</b>	2023
<b>Potential Fund Sources:</b>	N/A
<b>Local Planning Mechanisms to be Used in Implementation, if any:</b>	Hazard Mitigation Plan
<b>Progress Report</b>	
<b>Action Status</b>	Continuing
<b>Report of Progress</b>	Floodplain Map-may require updating
<b>Completed by: Mike Minor, Mike Whelan, Ron Staggs</b>	Monroe County Commission

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

**Action MPC 2000:** Update Floodplain Map

Ongoing

<b>Action Worksheet</b>	
<b>Name of Jurisdiction:</b>	Monroe County
<b>Risk / Vulnerability</b>	
<b>Problem being Mitigated:</b>	Flooding
<b>Hazard(s) Addressed:</b>	FL
<b>Action or Project</b>	
<b>Action/Project Number:</b>	MPC 2000
<b>Name of Action or Project:</b>	Storm Water Drainage
<b>Action or Project Description:</b>	Action will be taken to divert storm water drainage and minimize the damage that is caused by storm water.
<b>Applicable Goal Statement:</b>	Goal 3- Investigate, implement, maintain, and enforce mitigation policies and programs that limit the impact of natural hazards: on loss of life; on new and existing properties; on natural resources; on infrastructure; on the local economy.
<b>Estimated Cost:</b>	\$300,000
<b>Benefits:</b>	Lives and property are protected
<b>Plan for Implementation</b>	
<b>Responsible Organization/Department:</b>	County Commission
<b>Action/Project Priority:</b>	Low
<b>Timeline for Completion:</b>	2023
<b>Potential Fund Sources:</b>	N/A
<b>Local Planning Mechanisms to be Used in Implementation, if any:</b>	Hazard Mitigation Plan
<b>Progress Report</b>	
<b>Action Status</b>	New
<b>Report of Progress</b>	New Action Item
<b>Completed by: Mike Minor, Mike Whelan, Ron Staggs</b>	Monroe County Commission

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

**Action MPC 2000: Stability of Old Buildings**

Ongoing

<b>Action Worksheet</b>	
<b>Name of Jurisdiction:</b>	Monroe County
<b>Risk / Vulnerability</b>	
<b>Problem being Mitigated:</b>	Stability of old buildings
<b>Hazard(s) Addressed:</b>	T ET
<b>Action or Project</b>	
<b>Action/Project Number:</b>	MPC 2000
<b>Name of Action or Project:</b>	Stability of old structures
<b>Action or Project Description:</b>	Add brackets to old structures for more stability in the event of earthquake or tornado.
<b>Applicable Goal Statement:</b>	Goal 3- Investigate, implement, maintain, and enforce mitigation policies and programs that limit the impact of natural hazards: on loss of life; on new and existing properties; on natural resources; on infrastructure; on the local economy.
<b>Estimated Cost:</b>	\$50,000.00
<b>Benefits:</b>	Lower/ Prevent loss of life.
<b>Plan for Implementation</b>	
<b>Responsible Organization/Department:</b>	County Commission
<b>Action/Project Priority:</b>	Low
<b>Timeline for Completion:</b>	2023
<b>Potential Fund Sources:</b>	N/A
<b>Local Planning Mechanisms to be Used in Implementation, if any:</b>	Hazard Mitigation Plan
<b>Progress Report</b>	
<b>Action Status</b>	New
<b>Report of Progress</b>	New
<b>Completed by: Mike Minor, Mike Whelan, Ron Staggs</b>	Monroe County Commission

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

County: Monroe

Jurisdiction: Holliday

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: Ronnie Bridgeman

Phone: 660-266-3330 - Cell 573-692-0289

Email: rtbridgeman@windstream.net

Date: 10/12/23

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

Name: Anna Gill

Address: 42494 Delaware Lane, Perry, MO 63462

Email: agill@marktwaincog.com

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
<b>Planning Capabilities</b>		
Comprehensive or Land-Use Plan	<i>NA</i>	Date:
Capital Improvement Plan	<i>NO</i>	Date:
Transportation Plan / Highway Department	<i>NA</i>	Date:
Emergency Operations Plan	<i>NA</i>	Date:
Local Recovery Plan	<i>NO</i>	Date:
Debris Management Plan	<i>NO</i>	Date:
Firewise or other fire mitigation plan		Date:
Economic Development Plan		Date:
<b>Policies/Ordinance</b>		
Zoning Ordinance	<i>NA</i>	
Building Code	<i>NO</i>	Version:
Floodplain Ordinance	<i>NO</i>	Date:
Drainage/Stormwater Ordinance	<i>NA</i>	
Site Plan Review Requirements	<i>NA</i>	
Historic Preservation Ordinance	<i>NA</i>	

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

Element	Yes, No, N/A	Comments and/or Weblink
<b>Non-Governmental Organizations (NGOs)</b>	<b>Is there a local chapter? Yes or No</b>	
American Red Cross	NO	
Salvation Army	NO	
Veterans Groups	NO	
Local Environmental Organization	NO	
Homeowner Associations	NO	
Neighborhood Associations	NO	
Chamber of Commerce	NO	
Community Organizations (Lions, Kiwanis, etc.)	YES	MASONIC Lodge
<b>Financial Resources</b>	<b>Is your jurisdiction able to? Yes or No</b>	
Apply for Community Development Block Grants	YES	
Fund projects thru Capital Improvements funding	NO	
Authority to levy taxes for specific purposes	NO	
Fees for water, sewer, gas, or electric services	NO	
Impact fees for new development	NO	
Incur debt through general obligation bonds	NO	
Incur debt through special tax bonds	NO	
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	
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 / City Council 5 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.

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.

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

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

County Sheriff 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? Two old church basements.

Please provide address locations: Main street Christian church. It is active

Reid street Baptist church. It is inactive but usable.

The Baptist church has been abandoned.

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

## 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
<b>Essential Facilities such as hospitals and other medical facilities, police and fire stations, Emergency Operations Centers</b>						
<i>Fire Station</i>	<i>North Main Street</i>	<del>1000</del>	<del>50,000</del>	<i>N/A</i>		

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)						
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						
Phone & Internet	Kinetic	Main Street	NSA	NA	NA	

\*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

## 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.

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



## 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.

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

## 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: Monroe

Jurisdiction: Madison

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: Melissa O'Bannon

Phone: 660.291.5235

Email: cityofmadisonmo@gmail.com

Date: 8-28-2023

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

Name: Anna Gill

Address: 42494 Delaware Lane, Perry, MO 63462

Email: agill@marktwaincog.com

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
<b>Planning Capabilities</b>		
Comprehensive or Land-Use Plan	N.A	Date:
Capital Improvement Plan	↓	Date:
Transportation Plan / Highway Department	↓	Date:
Emergency Operations Plan	↓	Date:
Local Recovery Plan	↓	Date:
Debris Management Plan	↓	Date:
Firewise or other fire mitigation plan	↓	Date:
Economic Development Plan	↓	Date:
<b>Policies/Ordinance</b>		
Zoning Ordinance	Yes	
Building Code	Yes	Version: <i>International 2015</i>
Floodplain Ordinance	NO	Date:
Drainage/Stormwater Ordinance	NO	
Site Plan Review Requirements	NO	
Historic Preservation Ordinance	NO	

Element	Yes, No, N/A	Comments and/or Weblink
<b>Program</b>		
National Flood Insurance Program (NFIP)	NO	
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: 6	
Public Education or information programs (i.e., responsible water use, fire safety, household preparedness, or environmental education)	Yes	
Mutual Aid Agreements	Yes	
<b>Studies/Reports/Maps</b>		
Critical Facilities Inventory	NO	
Vulnerable Population Inventory	NO	
<b>Staff/Department</b>		<b>Full Time or Part Time?</b>
Building Code Official / Building Inspector	NO	
Engineer	NO	
Development Planner	NO	
NFIP Floodplain Administrator	NO	
Mapping Specialist (GIS)	NO	
Public Works Official	Yes	Full time
Emergency Management Coordinator	Yes	Part Time
Local Emergency Planning Committee	Yes	Part time
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
<b>Non-Governmental Organizations (NGOs)</b>	<b>Is there a local chapter? Yes or No</b>	
American Red Cross	NO	
Salvation Army	NO	
Veterans Groups	NO	
Local Environmental Organization	NO	
Homeowner Associations	NO	
Neighborhood Associations	NO	
Chamber of Commerce	NO	
Community Organizations (Lions, Kiwanis, etc.)	YES	LIONS, Bus. Men, Comm. Bd. etc.
<b>Financial Resources</b>	<b>Is your jurisdiction able to? Yes or No</b>	
Apply for Community Development Block Grants	YES	
Fund projects thru Capital Improvements funding	NO	
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	NO	
Incur debt through special tax bonds	NO	
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	X
Capital Improvement Plan	X
Transportation Plan / Highway Department	NA
Emergency Operations Plan	NO
Local Recovery Plan	NO
Debris Management Plan	NO
Firewise or other fire mitigation plan	X
Economic Development Plan	X

## Additional Questions

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

Mayor / Council 1 mayor 4 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.

Installed New Storm Siren South of town.

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.

4. How many outdoor warning sirens are in your community? 2

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

911 - County

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?

Yes - Community Center Library

Fema. NO

Please provide address locations:

Madison Area Community Center

115 S. main st.

Madison MO 65263

Little Dixie Reg. Library

113 E. Broadway

Madison MO 65263

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.

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.

NONE

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

NONE

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 of City Clerk.

Kathy Sasek, Mayor

Melissa O'Bannon, City Clerk

Process was set forth and adhered to.

Due to an election and Mayor switch. We did not meet.

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

## 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						
Madison West Monroe	207 W. Broadway					
Fire District Station						

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)						
Madison City Hall	209 S. Main	1383	\$316,000.00	\$75,000		
Madison Community Housing	200 E. Broadway St (2 complexes)					
<u>Transportation and Lifelines</u> 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						
Waste Water Treatment Plant	End of E. Madison St	462	\$2,644,530.00	\$28,000		

\*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

## 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.

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



## 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.

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

# ASSESSMENT OF PREVIOUSLY PROPOSED ACTIONS

Jurisdiction: Madison

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: Monroe, Ralls, Marion

Jurisdiction: Monroe City

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: Tamtha R. Ague (TRA)

Phone: 543-735-4585

Email: taque@monroecity.org

Date: 8-28-23

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

Name: Anna Gill

Address: 42494 Delaware Lane, Perry, MO 63462

Email: agill@marktwaincog.com

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
<b>Planning Capabilities</b>		
Comprehensive or Land-Use Plan	No	Date:
Capital Improvement Plan	Yes - Needs updated	Date:
Transportation Plan / Highway Department	N/A	Date:
Emergency Operations Plan	Varies per Dept.	Date:
Local Recovery Plan	No	Date:
Debris Management Plan	No	Date:
Firewise or other fire mitigation plan	No	Date:
Economic Development Plan	No	Date:
<b>Policies/Ordinance</b>		
Zoning Ordinance	Yes	
Building Code	Yes - Needs to be updated	Version:
Floodplain Ordinance	No	Date:
Drainage/Stormwater Ordinance	Yes	
Site Plan Review Requirements	Yes	
Historic Preservation Ordinance	No	

Element	Yes, No, N/A	Comments and/or Weblink
<b>Program</b>		
National Flood Insurance Program (NFIP)	No	
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: 5	
Public Education or information programs (i.e., responsible water use, fire safety, household preparedness, or environmental education)	Yes	
Mutual Aid Agreements	Yes - Fire/Police/utilities	
<b>Studies/Reports/Maps</b>		
Critical Facilities Inventory	No	
Vulnerable Population Inventory	Yes - 2017 - Needs updated	
<b>Staff/Department</b>		<b>Full Time or Part Time?</b>
Building Code Official / Building Inspector	No	
Engineer	No	
Development Planner	No	
NFIP Floodplain Administrator	Yes	part
Mapping Specialist (GIS)	No	
Public Works Official	Yes	full
Emergency Management Coordinator	Yes	part
Local Emergency Planning Committee	No	
Sanitation Department	Yes	contracted
Highway/Transportation Department	No	
Economic Development Department	No	
Housing Department	No	
Historic Preservation	No	

Element	Yes, No, N/A	Comments and/or Weblink
<b>Non-Governmental Organizations (NGOs)</b>	<b>Is there a local chapter? Yes or No</b>	
American Red Cross	No	
Salvation Army	No	
Veterans Groups	Yes	
Local Environmental Organization	No	
Homeowner Associations	Yes	
Neighborhood Associations	Yes	
Chamber of Commerce	Yes	
Community Organizations (Lions, Kiwanis, etc.)	Yes	
<b>Financial Resources</b>		<b>Is your jurisdiction able to? Yes or No</b>
Apply for Community Development Block Grants		Not at this time
Fund projects thru Capital Improvements funding		Yes
Authority to levy taxes for specific purposes		Yes- if approved by the people
Fees for water, sewer, gas, or electric services		Yes
Impact fees for new development		Yes
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		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	Needs to be updated
Capital Improvement Plan	Reviewed annually
Transportation Plan / Highway Department	NO
Emergency Operations Plan	No
Local Recovery Plan	NO
Debris Management Plan	Brush removal/tree trimming - extent of debris management
Firewise or other fire mitigation plan	NO
Economic Development Plan	No





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.

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.

*Not sure facilities as we are working on selling the land at the industrial park.*      ↓  
400

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

- |                                 |                             |
|---------------------------------|-----------------------------|
| 1. Aspeg - 100                  | 7. Sheltered workshop - 50  |
| 2. Arcadia Metalworks - 100     | 8. City of Monroe City - 50 |
| 3. Monroe City R.1 School - 100 | 9. C+R Supermarket - 45     |
| 4. JC Shoemaker - 80            | 10. Farmer's Elevator - 40  |
| 5. Monroe City Manor - 65       |                             |
| 6. Learning Opportunities - 60  |                             |

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?

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

*We have the NFIP map on the wall at City Hall. When people ask about it, we show them the map. We do not make determinations as to whether or not their property is part of the NFIP area.*

# VULNERABILITY ASSESSMENT

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Dam Failure - <b>DF</b>	Severe Thunderstorm (incl. winds, hail, lightning) - <b>ST</b>
Earthquake - <b>EQ</b>	Severe Winter Weather (incl. snow, ice, severe cold) - <b>SWW</b>
Land Subsidence / Sinkholes - <b>LSS</b>	Tornadoes - <b>T</b>
Drought - <b>D</b>	Wildfire - <b>WF</b>

## 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.

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 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						
Monroe City Clinic	821 Hwy 24/36 E MCMD					CYD EQ, T, F, PH, U, SE
Ambulance District	225 Fifth MCMD					SE, CYD EQ, T, F, PH, U,
Police Station	300 N. Main MCMD					EQ, T, F, PH, U, SE
Fire Station	135 E. Sumner MCMD					EQ, T, F, PH, U, SE
Blessing Healthcare	400 N. Main MCMD					CYD EQ, T, F, PH, U, SE

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)						
<i>Electric Plant</i>	<i>200 E. Summer MCMD</i>					<i>EQ, T, F, PH, U SE, E, D</i>
<i>Memroe City R-1 School</i>	<i>401 Hwy 24/36 E MCMD</i>					<i>EQ, T, F, PH, U SE, E, D</i>
<i>Holy Resary School</i>	<i>415 S. Locust MCMD</i>					<i>EQ, T, F, PH, U SE, E, D</i>
<i>Memroe City Manor</i>	<i>1010 Hwy 24/36 MCMD</i>					<i>EQ, T, F, PH, U SE, E, D</i>
<i>Bristol Manor</i>	<i>1017 Lawn MCMD</i>					<i>EQ, T, F, PH, U SE, E, D</i>
<i>City Hall</i>	<i>109 2nd St. MCMD</i>					<i>EQ, T, F, PH, U SE, E, D</i>
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						

\*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)**

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

## 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.

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

## 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.

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



# 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.
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- 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.

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#	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: Monroe

Jurisdiction: City of Paris

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: Barb McCall

Phone: (660)-327-4334

Email: superintendent@parismo.net

Date: August 28<sup>th</sup>, 2023

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

Name: Anna Gill

Address: 42494 Delaware Lane, Perry, MO 63462

Email: agill@marktwaincog.com

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
<b>Planning Capabilities</b>		
Comprehensive or Land-Use Plan		Date:
Capital Improvement Plan <i>2 Bridge Replacements</i>	<i>Sewer Relining</i> <i>Water Line Replacement</i>	Date:
Transportation Plan / Highway Department	<i>Street Dept / MODOT</i>	Date:
Emergency Operations Plan	<i>yes</i>	Date:
Local Recovery Plan		Date:
Debris Management Plan	<i>yes</i>	Date:
Firewise or other fire mitigation plan		Date:
Economic Development Plan	<i>yes</i>	Date:
<b>Policies/Ordinance</b>		
Zoning Ordinance	<i>yes</i>	
Building Code	<i>yes</i>	Version:
Floodplain Ordinance	<i>yes</i>	Date:
Drainage/Stormwater Ordinance		
Site Plan Review Requirements		
Historic Preservation Ordinance		

Element	Yes, No, N/A	Comments and/or Weblink
<b>Program</b>		
National Flood Insurance Program (NFIP)		
NFIP Community Rating System (CRS) program		If so, what is your current level rating?
National Weather Service (NWS) Storm Ready Certification		
Firewise Community Certification		
Building Code Effectiveness Grading (BCEGs)		
ISO Fire Rating	Rating: 6Y	
Public Education or information programs (i.e., responsible water use, fire safety, household preparedness, or environmental education)		
Mutual Aid Agreements	yes	
<b>Studies/Reports/Maps</b>		
Critical Facilities Inventory		
Vulnerable Population Inventory		
<b>Staff/Department</b>		<b>Full Time or Part Time?</b>
Building Code Official / Building Inspector		Brad Collier, Bob Mitchell <small>volunteer</small>
Engineer		
Development Planner		
NFIP Floodplain Administrator		Barb McCall
Mapping Specialist (GIS)		
Public Works Official		
Emergency Management Coordinator		Quentin Ashenfelter
Local Emergency Planning Committee		LEPD
Sanitation Department		Wastewater Dept
Highway/Transportation Department		Streets Dept / MODOT
Economic Development Department		yes
Housing Department		
Historic Preservation		Monroe County Historical Society

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

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	
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 / Board of Aldermen (5 member board)*

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.

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.

4. How many outdoor warning sirens are in your community? *2*

How are they activated (indicate responsible department/personnel)? *Sheriff's office / 911*

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

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

Please provide address locations: *Paris First Baptist Church basement  
Paris Christian Church  
Monroe County Extension office  
Monroe County Courthouse*

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



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.

water, sewer, 2 bridges otherwise, no

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

Monroe Manor  
Paris R-II School District  
12-D Construction  
Monroe County Service Company

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?

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

## 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.





**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.

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

## 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.

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

# 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 School Districts and Educational Institutions

County: Monroe

School District /  
Educational Institution Name: Holliday C-2 School

Return by: October 3, 2023

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: Josh Klusmeyer

Phone: 660-266-3412

Email: [jklusmeyer@hollidayschool.com](mailto:jklusmeyer@hollidayschool.com)

Date: September 28, 2023

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

Name: Anna Gill \_\_\_\_\_

Address: 42494 Delaware Lane, Perry, MO 63462 \_\_\_\_\_

Email: agill@marktwaincog.com \_\_\_\_\_

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			
<b><u>School Emergency Plan</u></b> Shelter in place protocols Evacuation protocols	Yes	June 2013 original Latest Revisions July 2023	Updated annually
Weapons Policy	Yes	8-8-17	Updated annually

## 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	Superintendent	
Emergency Manager	Yes	Superintendent	
Grant Writer	Yes	Superintendent	
Public Information Officer	No		

## 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	N	
Local funds	Y	
General obligation bonds	N	
Special tax bonds	N	
Private activities/donations	Y	
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, we have an ALL call system on our telephones. Each room in the building has a phone to hear alerts.
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.  
Regular scheduled drills for: fire, tornado, earthquake, intruder, and bus evacuation.
4. List any other past or ongoing projects or programs designed to reduce disaster losses, these may include projects to protect critical facilities.  
N/A
5. Do any of your buildings have designated tornado shelters or "saferooms"? If so, are they constructed in accordance with FEMA standards?  
We utilize our basement inside our main school building, I don't believe it meets FEMA standards.
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.  
No
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?  
Not at this time.
8. What percentage is your projected enrollment expected to increase or decrease in the next five years?  
N/A
9. Do you have your own campus police? Please explain your police department or who you rely on for security needs.  
No, Monroe County Sheriff Department.

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

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
Media Center, Modular	201 Curtright St.	1200	80,000	150,000	30	EQ,T,A,F,TX,U
Modular, Classrooms	201 Curtright St.	1200	80,000	150,000	30	EQ,T,A,F,TX,U
Main Building	201 Curtright St.	8000	2,500,000	700,000	120	EQ,T,A,F,TX,U

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

# 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.

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

## 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: Monroe County

School District /

Educational Institution Name: Holy Rosary School, Monroe City, MO

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: Nancy Shively

Phone: 573-735-2422

Email: [nancyshively@holyroaryschool.com](mailto:nancyshively@holyroaryschool.com)

Date: 9/29/2023

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

Name: Anna Gill

Address: 42494 Delaware Lane, Perry, MO 63462

Email: [agill@marktwaincog.com](mailto:agill@marktwaincog.com)

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	No		
Capital Improvement Plan	NA		
<b><u>School Emergency Plan</u></b> Shelter in place protocols Evacuation protocols	Yes		
Weapons Policy	Yes		

## 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	Principal	
Emergency Manager	Yes	Principal	
Grant Writer	No		
Public Information Officer	No		

## 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	NA	
Local funds	No	
General obligation bonds	No	
Special tax bonds	No	
Private activities/donations	Yes	
State and federal funds	No	

## Additional Capabilities Questions

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

Yes, a public address system is provided in all spaces of the school.

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.

Safety procedures are discussed with all staff members and students.

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

Emergency drills for fire, tornado, and intruders are held.

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

Yes, six rooms have FEMA standards for safety.

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.

Yes, a new school building was built in 2016.

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?

It is expected that our enrollment will remain the same - 185-190 students.

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

We do not have campus police. We rely on our local police department.

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

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
School Building	415 S. Locust Monroe City, MO	32,000	5.1 million	1.3 million	300	EQ-D-ET-ST-SWW-T-A-CD-F-SE-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.

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

## 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.

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

# Multi-Jurisdictional Hazard Mitigation Plan

## Data Collection Questionnaire

### For School Districts and Educational Institutions

County: Monroe

School District /  
Educational Institution Name: Madison C-3 School

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: Bryant Jones

Phone: 660-291-5115

Email: bjones@madison.k12.mo.us

Date: 8/28/23

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

Name: Anna Gill

Address: 42494 Delaware Lane, Perry, MO 63462

Email: agill@marktwaincog.com

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	No		
Capital Improvement Plan	No		
<b><u>School Emergency Plan</u></b>			
Shelter in place protocols	Yes	8/1/23	Evac plans/procedures
Evacuation protocols			
Weapons Policy	Yes		

## 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	Principal	
Emergency Manager	N/A		
Grant Writer	No		
Public Information Officer	Yes	Superintendent	

## 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	No	
Local funds	Yes	
General obligation bonds	No	
Special tax bonds	No	
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.

Yes, Analog intercom system + phone system

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 a Safe Return to In Person Learning Plan to mitigate issues related to COVID-19.

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?

Yes, we have designated shelters

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.

No

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?

± 3%

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

No

# 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.**

Total Total

Name of Asset	Address	Area (sq.ft.)	Replacement Value (Insured) (\$)	Contents Value (\$)	Occupancy/ Capacity (#)	Natural Hazards
Main Building	309 S. Timber Street	51,760	\$1,099,257	\$1,900,217	400	RF, ET, ST, T
Cafeteria	MADISON, MO 65263				250	
Storage Building		1000 sq ft			0	
Bus Barn					0	
Baseball/Track Field		7000 sq ft			25	
Green house		1000			25	
PK Modules						



## 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		

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

**Action MPC 1042:** Maintenance/Build Storm Shelter

<b>Action Worksheet</b>	
<b>Name of Jurisdiction:</b>	Madison C-3 School District
<b>Risk / Vulnerability</b>	
<b>Problem being Mitigated:</b>	Storm Shelter to offer protection to students and staff
<b>Hazard(s) Addressed:</b>	ET T F PH TX U SWW ST
<b>Action or Project</b>	
<b>Action/Project Number:</b>	MPC 1042
<b>Name of Action or Project:</b>	Maintenance/Building Storm Shelter
<b>Action or Project Description:</b>	Build a storm shelter to allow for a safe place in the event of a storm or other events; as funds become available.
<b>Applicable Goal Statement:</b>	Goal 3: Investigate, implement, maintain, and enforce mitigation policies and programs that limit that impact of natural hazards; on the loss of life; on new and existing properties; on natural resources; on infrastructure; and on the local economy.
<b>Estimated Cost:</b>	<del>\$1,000,000.00</del> <del>2,500,000</del> 4,000,000
<b>Benefits:</b>	Storm Shelter
<b>Plan for Implementation</b>	
<b>Responsible Organization/Department:</b>	School Superintendent
<b>Action/Project Priority:</b>	High
<b>Timeline for Completion:</b>	1-5 years
<b>Potential Fund Sources:</b>	N/A
<b>Local Planning Mechanisms to be Used in Implementation, if any:</b>	Hazard Mitigation
<b>Progress Report</b>	
<b>Action Status</b>	New
<b>Report of Progress</b>	N/A
<b>Completed by:</b>	Shane Stocks

# Generator

Action Worksheet	
Name of Jurisdiction:	Madison C-3 School
Risk / Vulnerability	
Problem being Mitigated:	<del>Storm Shelter to offer protection to students and staff</del> Communication during emergency/disaster
Action or Project	
Action or Project Description:	Acquire communications equipment to allow for effective mitigation/response to emergencies
Estimated Cost:	\$100,000

Action Worksheet	
Name of Jurisdiction:	Madison C-3 School
Risk / Vulnerability	
Problem being Mitigated:	<del>Communication during emergency/disaster</del> Maintaining operations during emergency/disaster.
Action or Project	
Action or Project Description:	Acquire + install diesel generator to allow for continuity of services during emergency/disaster.
Estimated Cost:	\$200,000





# Multi-Jurisdictional Hazard Mitigation Plan

## Data Collection Questionnaire

### For School Districts and Educational Institutions

County:

School District /  
Educational Institution Name:

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: *Tony DeBrane*

Phone: *573-735-4631*

Email: *tdegrave@monroe.k12.mo.us*

Date: *9/29/23*

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

Name: Anna Gill

Address: 42494 Delaware Lane, Perry, MO 63462

Email: agill@marktwaincog.com

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	2022	email
<b><u>School Emergency Plan</u></b>			
Shelter in place protocols	Yes	2023	email
Evacuation protocols	Yes	2023	email
Weapons Policy	Yes	2023	email

## 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	Elem/MS/HS	
Emergency Manager	Yes	Supt	
Grant Writer	Yes	Sara Clark	
Public Information Officer	Yes	Supt	

## 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	Y	
Private activities/donations	Y	
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.

Each office and Classroom

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

1 in central office

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.

N/A

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

N/A

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.

- Elem/MS Office Complex

- K/Pre-K Classrooms

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?

Yes - Elem Classrooms, None in Hazard Areas

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

Increase 1%

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

Contracted S.R.O.

# 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
Newcomer City E-1 School	401 Hwy 24/36 E	142,348	16,000,000	6,000,000		
Bus Barn	401 Hwy 24/36	2,400	220,000	30,000		
Ag Farm	184091 Hwy 24/36	8,000	600,000	10,000		

## 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	Tornado
Nature and magnitude of event	401 Hwy 24/36 E
Location	Old football Complex
Date of event	May 2006
Injuries	0
Deaths	0
Property damage	Yes
Infrastructure damage	NO
Crop damage	NO
Business/economic impacts	NO
Road/school/other closures	NO
Other damage	
Insured losses	Yes
Federal/state disaster relief funding	NO
Source of information	<del>NO</del> Historical
Comments	\$63,000 loss

**Monroe City R-1 School District  
Crisis Plan  
2023-2024**



# MONROE CITY R-I SCHOOLS

## CRISIS RESPONSE PLAN

### Revised August 2023

Approved by the Board of Education

## Annual Timetable--Administration

- Spring:                   Select Crisis Management Team and Chair for Coming Year
  
- Summer:                 Revise summary of plan for inclusion in faculty handbook  
                               Include faculty responsibility checklist  
                               Establish second-line people to automatically assume key roles  
                               should the first designee be unavailable.  
                               Update phone tree
  
- Fall:                     Review procedure during faculty workshop  
                               In-service the Crisis Management Team
  
- February:               Review procedure during faculty meeting  
                               Review in-service crisis Management Team

**Method of Notifying Parents about Student’s Location:**

Radio	Phone Number
KRES/KWIX 104.7	800-892-2300
Television	Phone Number
KHQA Ch 7	217-222-6206
WGEM Ch 10	217-228-6653

**School Reach – Call and/or text**

**Strategy for dealing with Media:**

- Contact person or spokesperson:                   Superintendent
- Location of Media    Superintendent’s Office
- Work with Local Law Enforcement for unified response
- Person responsible for building security with respect to the media: Principal

**Floor Plan of School Building (Insert)**



**THE FOLLOWING RAPTOR ALERT WILL BE SENT FOR ALL EMERGENCIES LISTED BELOW.**

# Crisis Procedure

**CRISIS:** A crisis may be defined as any spontaneous event that significantly or dramatically interferes with the daily routine of the school. The event may affect students, staff, community, and facilities. Crisis can generally be categorized in two groups; those which are the result of human influence and those which are the result of a natural disaster. The number one concern of school personnel in a crisis situation is the safety and welfare of the students.

**CRISIS TEAM:** The Crisis Team Coordinator for each building is the building principal. In addition to the building principal, this team shall include the secretary, school nurse, counselor, zone leaders and/or grade level leaders. In case of the absence of the principal, the zone leader/grade level leaders will act as the principal's designee.

## ROLE OF THE CRISIS TEAM:

1. Assist in developing the specific plan for responding to the crisis.
2. Accept the responsibilities delegated by the coordinator or principal.
3. Counsel with and provide support services to staff in reacting to and dealing with crisis.
4. Provide direct support services to staff and students in distress.
5. Make referrals to coordinator for those needing follow-up support from outside resources.
6. Monitor the situation after the crisis has subsided and provide other follow-up services.
7. Assist other buildings when approved by the principal.

## FLOW CHART FOR EMERGENCY/CRISIS

1. Emergency/Crisis
2. Principal or designee verifies information
3. Superintendent notified and determination of need for crisis response made
  - 3A. No crisis
  - 3B. Crisis response recommended/SRO Notified
4. Appropriate action and documentation
  - 4A. Assistance from other buildings (if needed)
  - 4B. Designee initiates school reach if necessary  
(phone tree will be used as backup if necessary)
  - 4C. Outside authorities (if needed)
5. Crisis Team meets
6. Crisis Plan communicated to staff
7. On-going monitoring of situation and affected persons
8. Evaluation of Crisis Response
9. Debrief faculty, staff and parents as appropriate

**THE FOLLOWING RAPTOR ALERT WILL BE SENT FOR ALL EMERGENCIES LISTED BELOW.**



**LOCKDOWN! Locks, lights, out of sight.**

**STUDENTS**

Move away from sight  
Maintain silence  
Do not open the door

**ADULTS**

Recover students from hallway if possible  
Lock the classroom door  
Turn out the lights  
Move away from sight  
Maintain silence  
Do not open the door  
Prepare to evade or defend

**CRISIS INVOLVING ARMED THREAT TO STUDENTS OR STAFF**

**RUN-HIDE-FIGHT (RHF)**

Any life threatening situation where the staff and students' lives are in danger we must act proactively. Teachers will be alerted by intercom or other appropriate method that a life threatening situation is in effect by the announcement, **"An intruder is in the building."** Location will be announced if appropriate. All doors should be closed, locked, and no one allowed in or out of the classrooms until the building has been cleared by law enforcement. When the danger to students and staff has subsided law enforcement will clear the building room by room, staff will be presented with law enforcement credentials.

In the event that the principal, or designee, should feel it necessary to evacuate the building in the type of life threatening situations discussed above, the signal will be an announcement, **"Evacuate the building. Intruder is in (location).** If possible, additional information may be given during this time.

# LOCKDOWN LEVELS AND PROCEDURES

## LEVEL ONE (MEDICAL ALERT)

(Called when a medical situation arises)

- All students/teachers stay in classrooms
- All hallways cleared
- Exit only when medical alert has been lifted

## LEVEL TWO (MINIMAL SECURITY)

(Called when a situation outside the building may have an impact on a school )

- All outside doors are locked
- Students and staff outside the building return immediately
- Entry/exit only with admin or police approval
- Continue with normal schedule inside building

## LEVEL THREE (PARTIAL SECURITY)

(Called when a situation inside or outside the building may have an impact on a school)

- Students return to classrooms
- All outside doors and classroom doors are locked
- Attendance taken immediately

## LEVEL FOUR (FULL SECURITY LOCKDOWN)

(Called when a situation inside or outside the building threatens the safety of students and staff within the school)

- All students and staff to be out of sight from doors and windows
- All outside doors and classroom doors are locked
- Lights and monitors are turned off
- Silence

# IN CASE OF AN Active Shooter



IF YOU SEE SOMETHING,  
SAY SOMETHING.  
REPORT SUSPICIOUS ACTIVITY  
TO THE POLICE.

## 1. RUN

RUN / ESCAPE IF POSSIBLE

- Have an escape route and plan in mind
- Leave your belongings behind
- Evacuate regardless of whether others agree to follow
- Warn and prevent individuals from entering an area where the active shooter may be

## 2. HIDE

IF ESCAPE NOT POSSIBLE

- Hide in an area out of the active shooter's view
- Lock and block doors, close blinds, and turn off lights
- Silence your cell phone (including vibrate mode) and remain quiet
- Stay in place until law enforcement gives you the all clear.

## 3. FIGHT

AS A LAST RESORT

- Fight as a last resort and only when your life is in danger
- Attempt to incapacitate the shooter
- Recruit others to ambush the shooter with makeshift weapons like chairs, fire extinguishers, scissors, books, etc.
- Act with physical aggression, yell, and throw items at the shooter.

## CALL 911 WHEN YOU'RE SAFE TO DO SO

### WHEN LAW ENFORCEMENT ARRIVES:

- Remain calm and follow officer's instructions
- Drop items in your hands (i.e., backpacks, jackets)
- Immediately raise hands and spread fingers
- Keep hands visible at all times
- Avoid quick movements toward officers, such as holding on to them for safety
- Avoid pointing, screaming or yelling
- Do not ask questions when evacuating

### INFORMATION TO PROVIDE 911 OPERATORS:

- Location of the active shooter
- Number of shooters
- Physical description of shooter(s)
- Number and type of weapons shooter has
- Number of potential victims at location

**YOU ARE IN BLDG:**

**ROOM:**

Source: Department of Homeland Security. The information provided is for general reference only and is not a substitute for specific training. Contact your local law enforcement for more information on what to do if there is an active shooter event. Do not discuss any security or liability for purposes of this information. © 2013 DoHSP/Interoperability.com

## **WEAPONS POSSESSION BY STUDENT OR BY ANYONE OTHER THAN A STUDENT RUN-HIDE-FIGHT (RHF)**

- \*Principal will announce appropriate lockdown
- \*Secretary will call 911.
- \*Central Office should also be notified by the secretary.
- \*Remain calm!
- \*Do not attempt to take the weapon by force.
- \*Run-Hide-Fight.

## **CAMPUS UNREST**

**(threatening unrest involving students and/or community)**

- \*Principal will contact SRO.
- \*Contact Central Office.
- \*Keep students in classrooms.
- \*Activate Crisis Team.
- \*Secretary will answer the phone and communicate with Central Office.
- \*Other team members will man outside entrances.

- \*Principal will identify student leaders and schedule a meeting later to discuss complaints.
- \*Students will be informed that disciplinary action will be taken if picketing occurs during the school day.

## LOCK-DOWN SITUATION

**THE FOLLOWING RAPTOR ALERT WILL BE SENT FOR ALL EMERGENCIES LISTED BELOW.**



### **HOLD! In your room or area. Clear the halls.**

#### **STUDENTS**

Clear the hallways and remain in room or area until the "All Clear" is announced  
Do business as usual

#### **ADULTS**

Close and lock the door  
Account for students and adults  
Do business as usual

---

### **CLOSED DOOR POLICY (non emergency lockdown)**

In the event a situation arises in which there is no imminent danger to students or staff, in order to reduce hall traffic the building may go into lockdown. If this occurs an announcement will be made over the intercom, "**We are now observing our closed door policy; teachers, check your email**". An email will then be sent explaining the situation, a text message will be sent as back up when necessary. We will remain in lockdown until given the all clear signal by intercom. These events could be a medical emergency on campus, on-going investigation, locker search, drug dog, etc. **(AGAIN, NO STAFF OR STUDENT IS ANY IMMEDIATE DANGER)**

### **SERIOUS INJURY OR ILLNESS OR FATALITY TO STUDENT/STAFF DURING SCHOOL HOURS**

**If possible the person should be moved to the nurse's office. If the illness or injury is so severe the person cannot be moved, the following procedure will be followed:**

- \* Principal will instruct the secretary to call 911. Secretary will request the ambulance sirens to be turned off as they near the building.
  - ❖ Notify SRO.
  - ❖ Notify building offices.
- \* Central Office will be contacted.
- \* Victim's family will be contacted.
- \*Principal will activate the Crisis Team, if necessary.
- \*Secretary or Crisis Team Member will direct other students to a nearby classroom and ask that teacher to supervise.
- \*Staff members in the building who do not have regular student assignments will be requested to assist in student control, or in whatever capacity they might be needed.
- \*If the injury requires hospitalization, the principal or nurse will accompany the student.

## **ABDUCTION**

The principal will:

\* Notify police giving the following information:

1. Full name of child
2. Age
3. Description of child
4. Description of assailant including wearing apparel and vehicle used

\* Notify parents.

\* Contact Central Office/SRO.

**CLOSED DOOR POLICY WOULD BE IN AFFECT IF ABDUCTION TOOK PLACE IN THE COMMUNITY (NOT ON SCHOOL GROUNDS)**

**IF ABDUCTION TAKES PLACE ON CAMPUS, DISTRICT WOULD FOLLOW LOCKDOWN PROCEDURES.**

## **CAMPUS UNREST**

**(non-threatening, not involving students)**

The principal will:

\*Contact Central Office/SRO/Contact other buildings as needed.

\*Inform police of the situation and ask them to stand by.

**CLOSED DOOR POLICY SHOULD BE IN EFFECT**

## **CAMPUS UNREST**

**(non-threatening, involving students)**

\*Follow steps one and two.

\*Identify student leaders and arrange to hear their complaints. Their concerns are to be communicated through representatives.

\*Inform students that disciplinary action will be taken if picketing occurs during regular school hours.

**CLOSED DOOR POLICY SHOULD BE IN EFFECT**

**THE FOLLOWING RAPTOR ALERT WILL BE SENT FOR ALL EMERGENCIES LISTED BELOW.**



**EVACUATE! (A location may be specified)**

**STUDENTS**

Leave stuff behind if required to  
If possible, bring your phone  
Follow instructions

**ADULTS**

Lead students to Evacuation location  
Account for students and adults  
Notify if missing, extra or injured students  
or adults

**BOMB THREAT**

The person receiving the bomb threat should **NOT HANG UP THE PHONE**. Ask questions (see below) **WHEN CALL IS RECEIVED**, immediately notify the building principal. As soon as possible write down the exact time and exactly what the caller said, using the form below.

If the Central Office receives the call they will:

- Call 911 – to begin trace and get support
- Notify building principals

If a call is received, the principal or designee should be notified immediately. He/she will then:

- Call Central Office
- Call 911 – to begin the trace and get support
- If necessary, evacuate the building using Fire Drill type evacuation by announced route and to announced location

**WHEN A BOMB THREAT CALL IS RECEIVED**

Time and Date Reported: \_\_\_\_\_

Exact Words of Caller: \_\_\_\_\_

Questions to ask:

When is the device going to detonate?                      Where is the device right now?

What kind of device is it?    What does it look like?

Why did you place the device?                                      Where are you calling from?

Are there more than one device?                                      Is anyone else involved?

What time did you place the device?                                      What is your reasoning?

Description of caller's Voice: \_\_\_\_\_

Male \_\_\_ Female \_\_\_ Young \_\_\_ Middle Aged \_\_\_ Old \_\_\_ Accent \_\_\_

Tone of voice \_\_\_\_\_ Background noise \_\_\_\_\_

Is Voice familiar? \_\_\_\_\_ If so, who did it sound like? \_\_\_\_\_



---

---

Other voice characteristics: \_\_\_\_\_

Time caller hung up: \_\_\_\_\_ Remarks: \_\_\_\_\_

---

Name, School, Telephone of Recipient: \_\_\_\_\_

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### FIRE EVACUATION PLAN

#### A. Warning System:

Should a fire break out in the building, a warning will be given from the Office. The warning will be in the form of a sounding fire alarm or by intercom announcement.

#### B. Faculty duties

Before leaving the classroom, the teacher is to see that windows are closed, lights and other electrical items are turned off and the door is closed but not locked. The teacher should see that all students are calm and orderly and the teacher should take class roster and emergency buckets/backpacks. Teachers are to follow the students and be the last one from the room. Zone leaders are reminded to take their radios with them. When the class arrives at the designated safety area, the teacher will take roll. If someone is missing, report to the zone leader and/or principal immediately. **DO NOT RETURN TO THE BUILDING!** Classes will remain in that area until notified by the principal to return to class.

#### C. Special Duties -procedures for your building.

#### D. All classes are to exit the building per the attached exit diagram.

**THE FOLLOWING RAPTOR ALERT WILL BE SENT FOR ALL EMERGENCIES LISTED BELOW.**



**SHELTER! Hazard and safety strategy.**

**STUDENTS**

Use appropriate safety strategy for the hazard

**Hazard**

Tornado  
Hazmat  
Earthquake  
Tsunami

**Safety Strategy**

Evacuate to shelter area  
Seal the room  
Drop, cover and hold  
Get to high ground

**ADULTS**

Lead safety strategy  
Account for students and adults  
Notify if missing, extra or injured students or adults



**EARTHQUAKE EMERGENCY PLAN**

**A. Warning**

As there is no way of knowing when an earthquake will strike, teachers must be prepared to give quick, calm instructions without word from the office.

It is important to take “quake safe action” at the first indication of shaking earth. Don’t wait until you are certain that an earthquake is occurring. As the ground shaking grows stronger, danger increases. For example:

1. Free-standing cabinets and bookshelves are likely to topple. Wall-mounted objects such as clocks and artwork may shake loose and fly across the room.
2. Suspended ceiling components may pop out, bringing light fixtures, sprinkler heads, and other components down with them.
3. Door frames may be bent by moving walls and may jam the doors shut. Moving walls may bend window frames, causing glass to shatter and send dangerous shards into the room.

**B. Action Plan**

Students will seek immediate shelter under desks, tables and other cover. After initial shock, students will be evacuated as set forth in the fire drill. Adjustments will need to be made according to damage. A command post and first aid station will be established and direction will be given by the crisis team as needed. The teacher should see that all students are calm and orderly and the teacher should take your rosters and emergency buckets/backpacks. Teachers are to follow the students and be the last one from the room. Zone leaders are reminded to take their radios with them. When the class arrives at the designated safety area, the teacher will take roll. If someone is missing, report to the zone leader and/or principal immediately. **DO NOT RETURN TO THE BUILDING!**

Classes will remain in that area until notified by the principal to return to class.

**TORNADO PLAN**

**A. Warning System:**

In the event that a tornado is about to strike, the Superintendent of Schools or the Safety Director will receive word from the city hall, or a warning from the media during possible tornado weather, at which time he will contact each building principal by telephone.

THE ALARM FOR A **TORNADO** IN THE DISTRICT WILL BE AN INTERCOM ANNOUNCEMENT.

**B. Faculty Special Duties:**

Upon receiving instructions from the principal, the teacher should see that all windows are closed as well as the doors, and that students remain orderly and calm. Be sure you have your

class roster for a student count and your emergency buckets/backpacks. When students arrive at the designated safety area, they should kneel on the floor with their heads down and hands behind their heads.

**C. Administrative Special Duties:**

Staff are assigned to each building to check all restrooms and any other likely places that students may be without supervision.

As soon as students are in safe areas, the principal should secure most valuable papers and items in the office area and check with custodians to assure that gas and electric are turned off.

After a damage check and all clear, students may return to rooms.

## **Emergency Phone Numbers**

### **Police**

<b>Emergency</b>	<b>911</b>
<b>SRO BIAS</b>	<b>660-415-5475</b>
Monroe City Police Department	573-735-4411 (City Hall 4585)
Monroe County Sheriff	660-327-5175
Ralls County Sheriff	573-985-5611
Marion County Sheriff	573-769-2077
Shelby County Sheriff	573-633-2161
Missouri Highway Patrol Troop B	660-385-2132

### **Juvenile Officer**

10th Circuit (Marion, Monroe, and Ralls)	573-221-1182
41st Circuit (Shelby)	660-385-2715

### **Missouri Division of Family Services**

Monroe County Office	660-327-4185
Marion County Office	573-406-6941
Shelby County Office	573-633-2550

### **Mental Health Agencies**

Arthur Center	800-530-5465
Mark Twain Area Counseling	573-221-2120
Moberly Counseling Center	660-263-0680

**Monroe City Ambulance District** 911

**Monroe City Fire Department** 911

### **After hours Staff Notification:**

School Reach  
Calling Tree

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

**For School Districts  
and Educational Institutions**

County: Monroe County

School District /  
Educational Institution Name: Paris R-II School 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.

Prepared by: Aaron Vitt

Phone: 660.289.0966

Email: avitt@paris.k12.mo.us

Date: 10/10/23

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

Name: Anna Gill

Address: 42494 Delaware Lane, Perry, MO 63462

Email: agill@marktwaincog.com

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	No		
Capital Improvement Plan	Yes	March 2023	In Progress
<b><u>School Emergency Plan</u></b>			
Shelter in place protocols	Yes	Ongoing	
Evacuation protocols			
Weapons Policy	Yes		

## 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	Superintendent	
Emergency Manager	No		Not official position
Grant Writer	No		Not official position
Public Information Officer	Yes	Superintendent	

## 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	No	
Special tax bonds	No	
Private activities/donations	Yes	
State and federal funds	No	

## Additional Capabilities Questions

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

We have intercoms.

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.

Covid-19 education (symptoms, steps to be taken)  
School Reopening Plan

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

None

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

Yes. The "saferooms" met the standards at the time they were built.

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.

No

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?

We are in the process of remodeling our Ag/Admin Building. The remodel includes a more secure entrance. The planned remodeling activities are not in a known hazard area to the best of our knowledge.

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

~~0~~

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

No

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

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
Paris Elementary	725 Cleveland St, Paris, MO	44,725	\$7,577,341	\$1,378,125	400	D, EQ, ST, T
Paris Junior High	25686 Bus. Hwy 24, Paris	12,427	\$2,150,272	\$551,250	200	D, EQ, ST, T
Paris High School	25686 Bus. Hwy 24, Paris	55,716	\$10,127,848	\$1,653,750	400	D, EQ, ST, T, S
Paris Ag Admin Building	740 Cleveland St, Paris	35,840	\$3,440,745	\$2,205,000	400	D, EQ, ST, T, S





# 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	<del>Ø</del>
Nature and magnitude of event	<del>Ø</del>
Location	<del>Ø</del>
Date of event	<del>Ø</del>
Injuries	<del>Ø</del>
Deaths	<del>Ø</del>
Property damage	<del>Ø</del>
Infrastructure damage	<del>Ø</del>
Crop damage	<del>Ø</del>
Business/economic impacts	<del>Ø</del>
Road/school/other closures	<del>Ø</del>
Other damage	<del>Ø</del>
Insured losses	<del>Ø</del>
Federal/state disaster relief funding	<del>Ø</del>
Source of information	Aaron Vitt
Comments	None since July 2016.

## 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.

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

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

County: MONROE

Special District Name: PARIS RURAL FIRE PROTECTION 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: JAMIE EBBESMEYER

Phone: 573-470-1278

Email: parisfirechief@yahoo.com

Date: \_\_\_\_\_

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

Name: Anna Gill

Address: 42494 Delaware Lane, Perry, MO 63462

Email: agill@marktwaincog.com

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
<b>Planning Capabilities</b>		
Capital Improvement Plan	Date: NO	
Emergency Operations Plan	Date: ONLY SOG's	
Continuity of Operations Plan	Date: NO	
Community Wildfire Protection Plan	Date: NO	
Other:		
<b>Policies</b>		
	BY LAWS + SOG's	
<b>Programs</b>		
Cross-Connection Program		
Hydrant Flushing Program	CITY?	
Public Education/Awareness	FIRE SAFETY WEEK PRESENTATIONS ANNUALLY	
Tree Trimming Program	NO	
Mutual Aid Agreements	YES	AUTOMATIC WITH MADISON/WEST HONOLULU
Other:		CAN REQUEST MA FROM OTHER ADJACENT EDs/FIRE DISTRICTS



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.

DO NOT HAVE - FIRST TIME PARTICIPATING IN PLAN PROCESS

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

## Additional Questions

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

BOARD OF DIRECTORS (5)

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

ANNUAL FIRE SAFETY WEEK PRESENTATIONS  
AT PARCE R-II ELEMENTARY SCHOOL

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.

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?



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

## 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





# HISTORIC HAZARD EVENTS

*YOU ALREADY HAVE THIS FROM OTHERS?*

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.

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

## 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.

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

# 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		

## NEW PROPOSED ACTIONS

- \* GENERATOR THAT WOULD ALLOW FIRE STATION TO BE FUNCTIONAL IN EVENT OF DISASTER/LOSS OF POWER
  - \* COUNTRY WIDE COMMUNICATION SYSTEM TO INFORM FIRST RESPONDERS / PUBLIC OF IMPENDING/OCCURRING DISASTERS
- "CODE RED" TYPE SYSTEM

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

County: Monroe \_\_\_\_\_

Special District Name: PWSD #2 of Monroe 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: Adam Turner \_\_\_\_\_

Phone: 660 327 4778 \_\_\_\_\_

Email: pwsd@parismo.net \_\_\_\_\_

Date: 8-28-2023 \_\_\_\_\_

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

Name: Anna Gill \_\_\_\_\_

Address: 42494 Delaware Lane, Perry, MO 63462 \_\_\_\_\_

Email: agill@marktwaincog.com \_\_\_\_\_

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

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Element	Yes, No, N/A	Comments and/or Weblink
<b>Planning Capabilities</b>		
Capital Improvement Plan	Date: Yes	In progress
Emergency Operations Plan	Date: Yes	
Continuity of Operations Plan	Date: Yes	
Community Wildfire Protection Plan	Date: No	
Other:		
<b>Policies</b>		
<b>Programs</b>		
Cross-Connection Program	No	Possible with Thomas Hill on western side of county
Hydrant Flushing Program	Yes	
Public Education/Awareness	No	
Tree Trimming Program	No	
Mutual Aid Agreements	Yes with fire districts	

Element	Yes, No, N/A	Comments and/or Weblink
Other:		
<b>Studies/Reports/Maps</b>		
Evacuation Route Map	No	
Critical Facilities Inventory	No	However all of are tanks and pump stations would fall under critical to our operation
Staff/Department		Full Time or Part Time?
Adam Turner / General Manager		full
Hilary Crum / Office Administrator		full
Angie Woodhurst / Office Clerk		full
Brian Vaughn / Chief Operator		full
Cody Wren / Water & Wastewater Operator		full
Ed Bordeleau / Water & Wastewater Operator		part
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 / Water & Wastewater bills
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
Capital Improvement Plan	2024 will be the first year with plan
Emergency Operations Plan	<del>2024</del> 2022
Continuity of Operations Plan	Follows our Emergency Operation Plan
Firewise or other Fire Mitigation Plan such as Community Wildfire Protection Plan	Have been in contact with rural fire district about where and how they can have access to water

## Additional Questions

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

Board of Directors with 5 sub-districts

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

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.

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?

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

## 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)						
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						
Office	23504 Highway 24	3150	150,000			T, EQ, ST
Office Pump Station	23504 Highway 24	200	100,000			T, EQ, ST,
Granville Water Tower	Monroe Road 217		1,200,000			T, EQ
Granville Pump Station	Monroe Road 311 & Hwy 15	240	100,000			EQ
Madison Water Tower	Hwy K		50,000			T, EQ
Middle Grove Water Tank	Monroe Road 1050		1,000,000			T, EQ
Holliday Sewer System	Holliday MO		1,500,000			EQ
Santa Fe Pump Station	Hwy D & ZZ intersection	225	100,000			T, EQ
Santa Fe Water Tower	Monroe Road 621		1,000,000			T, EQ
Underground Distribution Lines	County wide		10,000,000			RF, EQ
Meter Reading Equipment	County wide		500,000			T, ST

**\*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.**



**From:** [Anna Gill](#)  
**Cc:** [Cindy Hultz](#); [Devyn Campbell](#)  
**Bcc:** "[paula.delaney@lpha.mo.gov](mailto:paula.delaney@lpha.mo.gov)"; "[Hasekamp, Kathleen](#)"; "[s.embree@mmanornh.com](mailto:s.embree@mmanornh.com)"; "[ncenter1@monroecitync.org](mailto:ncenter1@monroecitync.org)"; "[srcitizenscommctr2021@gmail.com](mailto:srcitizenscommctr2021@gmail.com)"; "[moncsc@necac.org](mailto:moncsc@necac.org)"  
**Subject:** Monroe County Hazard Mitigation Plan  
**Date:** Thursday, November 30, 2023 8:54:35 AM

---

The update of the Monroe County Hazard Plan has been drafted and is ready for public comment. Throughout the development of this plan, your organization has been identified as an important stakeholder, and we invite you to review the plan and provide feedback based on your involvement with populations throughout Monroe County.

The plan draft is linked below, and all feedback can be sent to Anna Gill at [agill@marktwaincog.com](mailto:agill@marktwaincog.com) by December 14, 2023.

<https://www.marktwaincog.com/monroe-county-hazard-mitigation-plans>

Thanks,

*Anna Gill*

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

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

Monroe County, Missouri  
**PRESS RELEASE**

For Immediate Release

Contact: Anna Gill  
573-565-2203

**Monroe County Planning Committee Seeks Public Input**

Monroe County, MO — The public is encouraged to review and comment on the Monroe 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 Monroe County from November 30, 2023 – December 14, 2023. 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 Monroe County. Public comments will be considered by the Hazard Mitigation Planning Committee and incorporated into the plan, as appropriate.

From November 30, 2023 – December 14, 2023 the final draft plan will be available for your review at the following locations:

Online at: [marktwaincog.com](http://marktwaincog.com)

A hard copy can be reviewed during normal operating hours at: Monroe County Courthouse  
300 N Main Street, Paris, MO

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 Council of Governments has taken the lead in developing this plan. The point of contact is Anna Gill, Community Planner. For more information on this project, contact Anna Gill at 573-565-2203.