

Appendix B

Planning Process

Anna Gill

From: Anna Gill
Sent: Thursday, September 30, 2021 1:59 PM
To: 'Carla Burton'; 'Center Clerk'; 'Danette Henderson'; 'Dennis McMillen'; 'John Lake'; 'Junior Muehring'; 'Millie Powell'; 'Sandy Lanier'; 'Wiley Hibbard'; 'Wiley Hibbard'; 'tlewis@rallsr2.k12.mo.us'
Cc: Cindy Hultz
Subject: Ralls County Multi-Jurisdictional Hazard Mitigation Plan Update

Subject: Ralls County Multi-Jurisdictional Hazard Mitigation Plan Update

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

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

Ralls County Multi-Jurisdictional Hazard Mitigation Plan Update
Planning Meeting
October 12, 2021
Meeting Time: 9:00 a.m.
Place: Mark Twain Regional Council of Governments
Address: 42494 Delaware Lane, Perry, Missouri 63462

Ralls County is beginning the process to update the Ralls County Multi-Jurisdictional Hazard Mitigation Plan to better protect the people and property of Ralls County from the effects of natural hazard events. The existing plan was approved by FEMA in December 2016. The plan update will be prepared pursuant to the requirements of the Disaster Mitigation Act of 2000 (Public Law 106-390) and the implementing regulations. These regulations establish the requirements that hazard mitigation plans must meet in order for Ralls 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 Ralls 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 Ralls 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 Ralls County.

What is My Role in the Planning Process?

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

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

What can I expect for the planning committee meeting?

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

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

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

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



mark twain regional
council of governments

Audrain

Macon

Marion

Monroe

Pike

Ralls

Randolph

Shelby

Subject: Ralls County Multi-Jurisdictional Hazard Mitigation Plan Meeting

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

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

Ralls County Multi-Jurisdictional Hazard Mitigation Plan Update

Planning Meeting

October 12, 2021

Meeting Time: 9:00 a.m.

Place: Mark Twain Regional Council of Governments

Address: 42494 Delaware Lane, Perry, MO

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

The Mark Twain Regional Council of Governments has taken the lead in developing this plan. The point of contact is Cindy Hultz, Executive Director. To successfully complete this project, we need your participation and input.

Thanks,

Anna Gill

Mark Twain Regional Council of Governments

Community Planner

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42494 Delaware Lane

Perry, MO 63462

Ralls County
Multi-Jurisdictional Hazard Mitigation Plan Update
Planning Meeting
October 12, 2021
9:00 a.m.

AGENDA

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

Hazard Mitigation Planning Purpose

Grant Programs Linked to Approved Plan

Planning Tasks/Multijurisdictional Approach

Participation Requirement

Public Involvement/Comments

Data Collection Questionnaires

Discussion of Hazards

Critical Facility Inventory

Plan Update Format

Sample Results of Countywide Risk Assessment Update

Update Mitigation Goals

Mitigation Action Updates

Update the Mitigation Strategy

Status of Previous Actions

Development of New Actions

Prioritization of Mitigation Actions

Plan Maintenance

Hazard Mitigation Assistance Grants

Next Steps

Eligible Activities

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

Update actions that apply to your jurisdiction

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

Discuss with other representatives from your jurisdiction.

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

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

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

Action No: MPC1603
Description: Obtain sufficient back-up generators for shelters.
 Jurisdictions Selecting the Action: Ralls County Center
 Responsible Agency/Party: County EMD City Clerk
 Jurisdictions Selecting the Action: Perry New London
 Responsible Agency/Party: City Clerk City Clerk
 Problem to be Mitigated: Shelters lack backup power sources, making them and the people they serve vulnerable to the uncontrollable.
 Applicable Goal(s): Goal 1: Protect the lives and livelihoods of all the citizens
 Goal 3: Ensure continued operation of governments and emergency function in a disaster.
 Hazards Addressed: RF LF DQ ST T SWW ET F A PH TX U
 Estimated Cost: \$30,000.00
 Potential Funding Sources: Region B RHSOC/ City and County General Fund
 Cost/Benefit Discussion: This was not discussed
 Prioritization Discussion: Average STAPLEE Score of 30
 Priority: High
 Timeline for Implementation/Completion: 2020
 Status of Action: Continuing
 Report of Progress: Annually

Action No: MPC1604
Description: Encourage mobile home parks to have on-site storm shelter- Set up a procedure through fire department (fire trucks) to notify residents in trailer courts to go to shelter as designated at time.
 Jurisdictions Selecting the Action: Perry Center
 Responsible Agency/Party: City Clerk City Clerk
 Problem to be Mitigated: Mobile home parks lack adequate shelter
 Applicable Goal(s): Goal 1: Protect the lives and livelihoods of all the citizens
 Hazards Addressed: T
 Estimated Cost: Unknown
 Potential Funding Sources: Emergency Preparedness Grants
 Cost/Benefit Discussion: This was not discussed
 Prioritization Discussion: Average STAPLEE Score of 25
 Priority: Medium
 Timeline for Implementation/Completion: 2016 to 2020
 Status of Action: Continuing
 Report of Progress: Annually

Action No: MPC1605
Description: Education brochures provided to schools and citizens- Brochures at city hall and fire stations
 Jurisdictions Selecting the Action: Ralls County Center
 Responsible Agency/Party: County EMD City Clerk
 Jurisdictions Selecting the Action: Perry New London
 Responsible Agency/Party: City Clerk City Clerk
 Problem to be Mitigated: Residents are unaware on correct procedures to follow during a natural hazard
 Applicable Goal(s): Goal 1: Protect the lives and livelihoods of all the citizens
 Goal 2: Decrease the impact of natural hazards

Action No: MPC1608
Description: Maintain, enforce, and update as needed-Floodplain and Land Ordinance- Planning and Zoning will consult floodplain maps before issuing building permit.

Jurisdictions Selecting the Action: Ralls County
 Responsible Agency/Party: EMD Coordinator
 Problem to be Mitigated: Without a floodplain ordinance and accompanying enforcement, use of floodplains would cause people to place themselves in harms' way with respect to flooding.

Applicable Goal(s): Goal 1: Protect the lives and livelihoods of all the citizens
 Goal 3: Ensure continued operation of governments and emergency function in a disaster.

Hazards Addressed: AH
 Estimated Cost: \$0, unless some significant update requires a technical consultant.

Potential Funding Sources: No funding necessary; only human action required.
 Cost/Benefit Discussion: This action did not require funding
 Prioritization Discussion: STAPLEE score of 25
 Priority: Medium
 Timeline for Implementation/Completion: No timeline established

Status of Action: Continuing
 Report of Progress: Annual Report

Action No: MPC1609
Description: Corp conducts Dam Safety exercise at Cannon Dam on Mark Twain Lake with all area sheriff departments, law enforcement and emergency personnel every three years. Update Flood emergency Plan update every 2 years. Water Control Plan is currently being updated with new inundation maps and evacuation plans within the next two years.

Jurisdictions Selecting the Action: Ralls County
 Responsible Agency/Party: EMD Coordinator
 Problem to be Mitigated: Hazards occurring on the lake is more difficult to deal with.

Applicable Goal(s): Goal 1: Protect the lives and livelihoods of all the citizens
 Hazards Addressed: T DF
 Estimated Cost: \$1,000.00
 Potential Funding Sources: General Funds
 Cost/Benefit Discussion: This was not discussed.
 Prioritization Discussion: STAPLEE Score of 31
 Priority: High
 Timeline for Implementation/Completion: 2019

Status of Action: Continuing
 Report of Progress: Every 3 years

Action No: MPC1613
Description: Participate in regularly scheduled Table-Top exercises and mock emergency exercises- Ongoing, Ralls County and areas wide exercises

Jurisdictions Selecting the Action: Center
 Responsible Agency/Party: City Clerk
 Hazards Addressed: AH
 Estimated Cost: \$0
 Potential Funding Sources: This action does not require any funding
 Cost/Benefit Discussion: This was not discussed
 Prioritization Discussion: STAPLEE Score of 29
 Priority: Medium
 Timeline for Implementation/Completion: Ongoing
 Status of Action: Continuing
 Report of Progress: Annually

Action No: MPC1614
Description: Obtain warning sirens for campgrounds

Jurisdictions Selecting the Action: Ralls County
 Responsible Agency/Party: EMD Coordinator
 Hazards Addressed: AH
 Estimated Cost: \$100,000.00
 Potential Funding Sources: Emergency Preparedness Grants
 Cost/Benefit Discussion: Significant benefit
 Prioritization Discussion: STAPLEE Score of 31
 Priority: High
 Timeline for Implementation/Completion: 2019
 Status of Action: Beginning
 Report of Progress: Annual

Resolution # _____

Adopting the Ralls 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 Ralls 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 “Ralls 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: _____

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

Project: Ralls County, Missouri Multi-jurisdictional Hazard Mitigation Plan Update Meeting Date/Time: October 12, 2021 9:00am

Facilitator: Devyn Campbell, Fiscal Officer/Community Planner Place/Room: Mark Twain Regional Council of Governments
Mark Twain Regional Council of Governments 42494 Delaware Lane, Perry, MO 63462

Name	Title	Department/Agency	Email	Phone #	Signature
Sandy Lanier	clerk	Ralls	rallsclerk@rallscounty.mo.gov	573-985-7111	Sandy Lanier
Crystal Keen	city clerk	City of Center	cityofcenter@rallscounty.mo.gov	573-262-3331	Crystal Keen
WILEY HIBBARD	Pres. Comm	RALLS Co.	whibbard@hotmail.com	573-248-6885	Wiley Hibbard
Chris Mundle		Ralls County Electric	cmundle@hotmail.com	573-948-0349	Chris Mundle
BRYAN JOHNSON	HS&E	Watlow	bryan_johnson@watlow.com	573-355-7629	Bryan Johnson
Hali Comig	Woodbridge Sel.	Ralls County	rschoth@desera.com	573-985-7011	Hali Comig
John W. Wike	Water Commissioner	Ralls County	lkegato@qtt.net	248-8791	John W. Wike
Eric McEwin	EMD	Ralls County	emurfin@mcadems.com	217-779-0370	Eric McEwin
Marshall Miller	Deputy Chief	Ralls County Ambulance Dist.	mmiller@mcadems.com	573-922-5568	Marshall Miller
Don Hoff	City of Perry Supt.	City of Perry	ppu@cityofperry.com	573-565-3131	Don Hoff
Eddie Lardis	Perry Police Chief	City of Perry	ppd@cityofperry.com	573-565-2211	Eddie Lardis

NEW LONDON



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

**PLAN UPDATE
MEETING
OCTOBER 12, 2021**

1



AGENDA

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

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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


3



WHAT IS MITIGATION?


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

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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 2016 Ralls County Multi-jurisdictional Hazard Mitigation Plan.



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PRESIDENTIAL MAJOR DISASTER DECLARATIONS INCLUDING RALLS COUNTY SINCE 1965

Disaster Number	Description	Declaration Date	Individual Assistance (IA) Public Assistance (PA)
F01-1713-001	Heavy Storm, Tornados	01-14-65	PA
TSR-434-001	Floods	05-10-73	PA
TSR-3017-001	Drought	08-24-79	IA
TSR-779-001	Severe Storm, Flooding	12-14-80	PA
TSR-088-001	Severe Storm, Flooding	01-08-83	PA
TSR-088-002	Severe Storm, Flooding	01-08-83	PA
TSR-088-003	Severe Storm, Flooding	01-08-83	PA
TSR-1413-001	Severe Storm, Tornadoes	04-16-83	PA
TSR-1413-002	Severe Storm, Tornadoes	04-16-83	PA
TSR-1413-003	Severe Storm, Tornadoes	04-16-83	PA
TSR-1413-004	Severe Storm, Tornadoes	04-16-83	PA
TSR-1413-005	Severe Storm, Tornadoes	04-16-83	PA
TSR-1413-006	Severe Storm, Tornadoes	04-16-83	PA
TSR-1413-007	Severe Storm, Tornadoes	04-16-83	PA
TSR-1413-008	Severe Storm, Tornadoes	04-16-83	PA
TSR-1413-009	Severe Storm, Tornadoes	04-16-83	PA
TSR-1413-010	Severe Storm, Tornadoes	04-16-83	PA
TSR-1413-011	Severe Storm, Tornadoes	04-16-83	PA
TSR-1413-012	Severe Storm, Tornadoes	04-16-83	PA
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TSR-1413-094	Severe Storm, Tornadoes	04-16-83	PA
TSR-1413-095	Severe Storm, Tornadoes	04-16-83	PA
TSR-1413-096	Severe Storm, Tornadoes	04-16-83	PA
TSR-1413-097	Severe Storm, Tornadoes	04-16-83	PA
TSR-1413-098	Severe Storm, Tornadoes	04-16-83	PA
TSR-1413-099	Severe Storm, Tornadoes	04-16-83	PA
TSR-1413-100	Severe Storm, Tornadoes	04-16-83	PA

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APPROVED HAZARD MITIGATION PLAN ESTABLISHES ELIGIBILITY FOR FEMA HMA GRANTS

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




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HAZARD MITIGATION GRANT PROGRAM

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


8



BUILDING RESILIENT INFRASTRUCTURE & COMMUNITIES

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


9



FLOOD MITIGATION ASSISTANCE PROGRAM

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

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9 TASKS TO COMPLETE THE PLAN UPDATE

- Task 1: Determine the Planning Area and Resources
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- 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

- Ralls County Commission
- Center
- New London
- Perry
- Ralls R-II

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HAZARD MITIGATION PLANNING COMMITTEE TASK 2: BUILD THE PLANNING TEAM

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

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STAKEHOLDERS PURPOSE:

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

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BENEFITS OF PARTICIPATING IN A MULTI-JURISDICTIONAL PLAN

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

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REQUIREMENTS FOR EACH PARTICIPATING JURISDICTION

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

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

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

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PUBLIC INVOLVEMENT REQUIREMENTS TASK 3: CREATING AN OUTREACH STRATEGY

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

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DATA COLLECTION QUESTIONNAIRES

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

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


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DATA COLLECTION QUESTIONNAIRES

- Complete what you can
- 30 Minutes to complete questionnaire

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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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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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FLOODING (MAJOR AND FLASH)

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

23



LEVEE FAILURE

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

24



DAM FAILURE

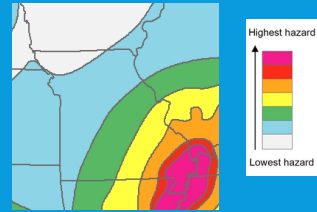
- Dams
 - State Regulated by Class
 - Federal by Class
 - Unregulated by Class
- Previous Events?

25



EARTHQUAKE

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



26



LAND SUBSIDENCE/SINKHOLES

- Known Sinkhole Areas
 - Mines
 - Karst
- Previous Events

27



DROUGHT

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

28



EXTREME TEMPERATURES

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

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SEVERE THUNDERSTORMS

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



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SEVERE WINTER WEATHER

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

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TORNADO

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

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WILDFIRE

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



33




PANDEMIC

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

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CRITICAL FACILITIES

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

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CRITICAL FACILITY EXAMPLES

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

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ANALYSIS OF CRITICAL FACILITIES

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

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9 TASKS TO COMPLETE THE PLAN UPDATE

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PLAN UPDATE FORMAT

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

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CHAPTER 3 INCLUDES THE FOLLOWING FOR EACH HAZARD

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


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SAMPLE RISK ASSESSMENT RESULTS

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

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FLOODING (RIVERINE AND FLASH)

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

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

Location	# of Events
Ralls County	
Unincorporated County (unspecified), 3 flood events	12
Unincorporated County (Hatch), 3 flood events	
Unincorporated County (Sawerton), 1 flood event	
Unincorporated County (Lago), 7 flood events	

Source: National Centers for Environmental Information, 09/26/21


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

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

Location	# of Events
Unincorporated County	
Unincorporated County (unspecified), 5 flood events	12
Unincorporated County (Bago), 2 flood events	
Unincorporated County (Hutchinson), 2 flood events	
Unincorporated County (Madisonville), 1 flood event	
Unincorporated County (Besselsbar), 1 flood event	
Center	1
New London	1

Source: National Centers for Environmental Information, 09/26/21

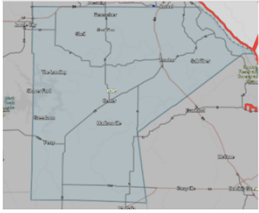
42



LEVEE FAILURE

Figure 3.3. County Levees Shown on DFIRM as Providing Protection from the 1-Percent Annual Chance Flood

0 Levee Systems 0 Miles of Levees



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DAM FAILURE


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

Changing Future Conditions Considerations

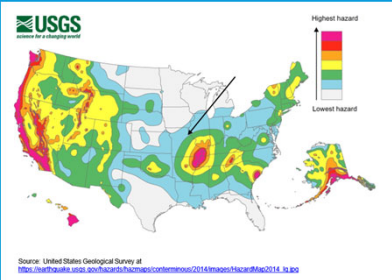


Source: US Climate Resilience Toolkit; <https://toolkit.climate.gov/tools/climate-explorer>

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EARTHQUAKES



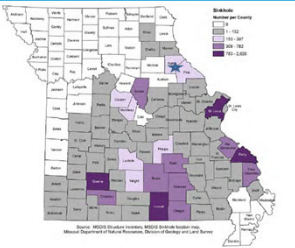
Source: United States Geological Survey at https://earthquake.usgs.gov/hazards/factsheets/continuous2014/maps/uscarr/mc2014_30.jpg

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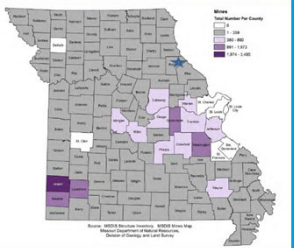


LAND SUBSIDENCE / SINKHOLES

Sinkholes in Pike County




Mines in Pike County



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


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DROUGHT

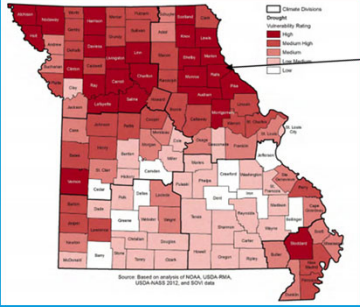
Drought occurs periodically in Missouri with the most severe and costly time occurring in 2018. Although droughts are not the spectacular weather events that floods, blizzards or tornadoes can be, historically, they produce more economic damage to the State than all other weather events combined. According to NCEI's storm database, 8 drought events have occurred in Ralls County between 2001 to 2021.

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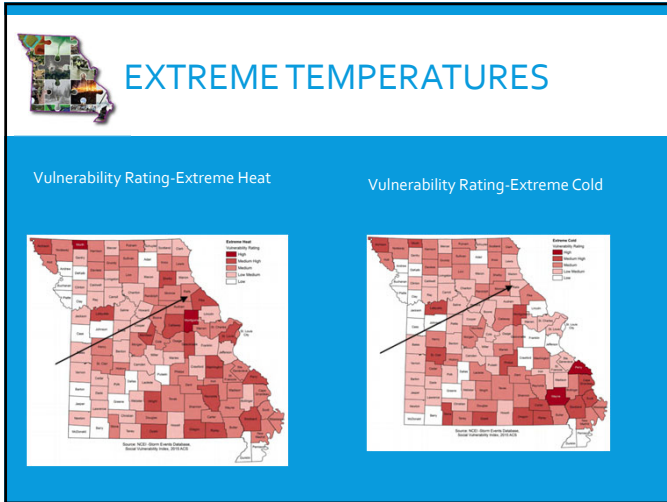
DROUGHT CONTINUED...

Pike County Vulnerability Ranked High for Drought

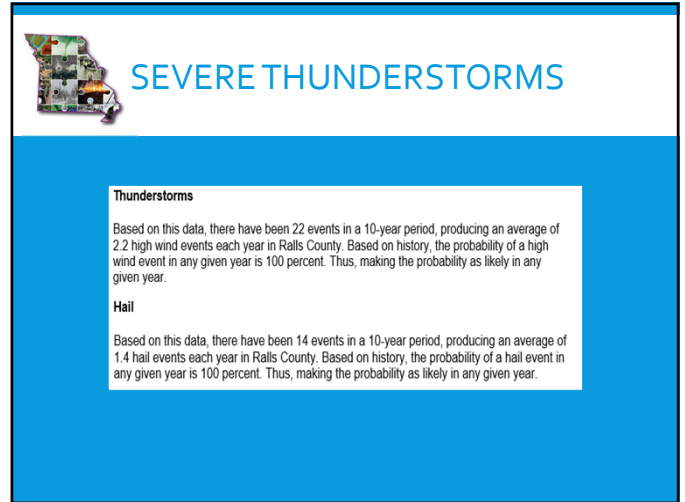


Source: Based on analysis of NOAA, USDA-ERS, USGS-NRCS 2012, and 2010 data.

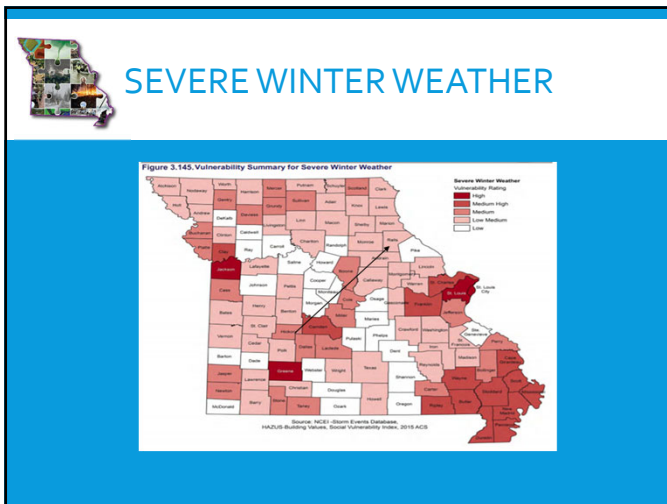
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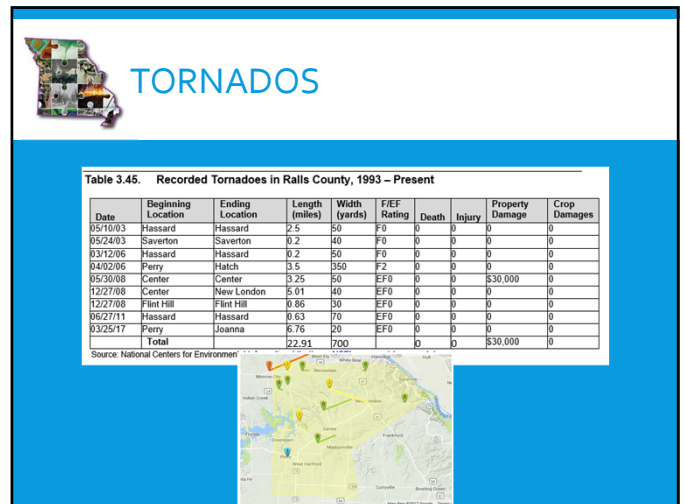
49



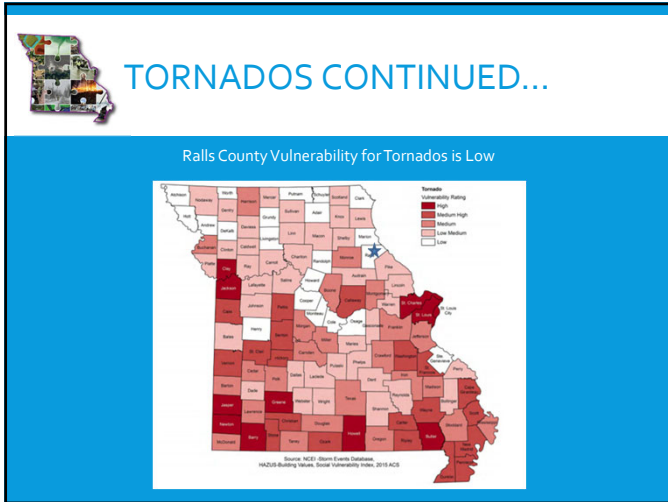
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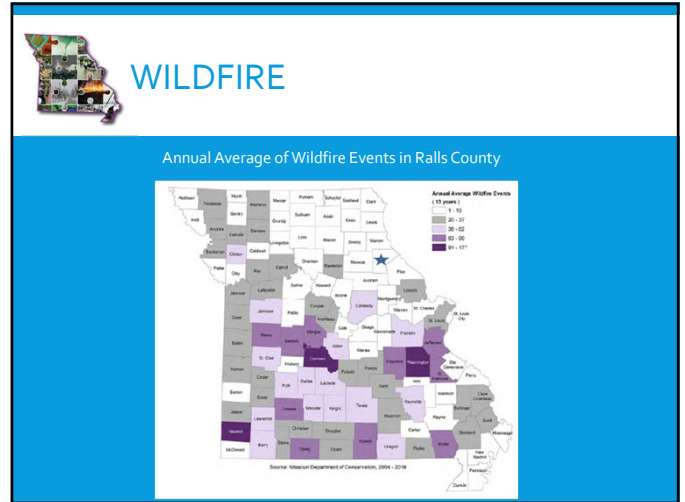
51



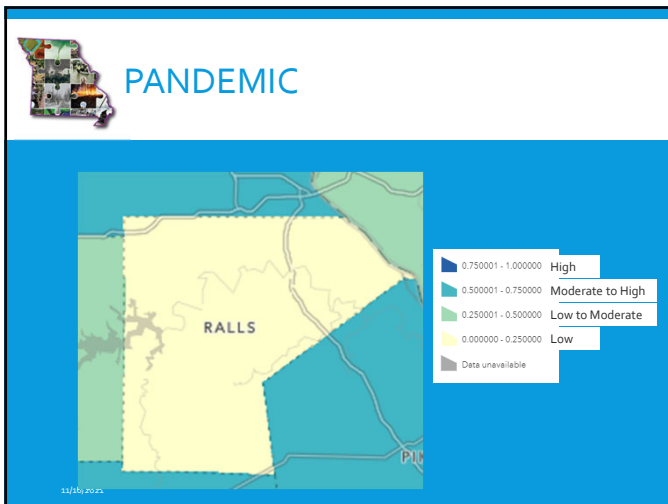
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SECTIONS TO ADDRESS:

Table 3.11. Major Non-Government Employers in Ralls County

Employer Name	Main Locations	Product or Service	Employees

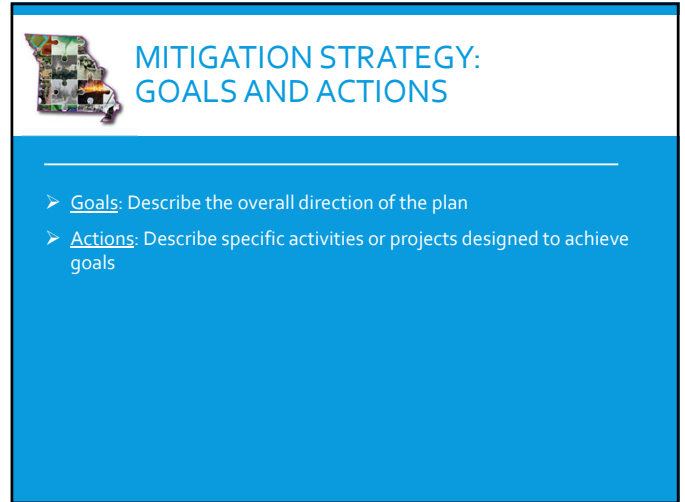
Source: Data Collection Questionnaires, local Economic Development Commissions

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STATE GOALS 2018 MISSOURI STATE HAZARD MITIGATION PLAN

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

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RALLS COUNTY 2016 PLAN GOALS (REVIEW/REVISE)

- Goal 1: Protect the lives and livelihoods of all the citizens
- Goal 2: Decrease the impact of natural hazards
- Goal 3: Ensure continued operation of government and emergency function in a disaster

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GROUP DISCUSSIONS

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

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UPDATE MITIGATION ACTIONS

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MITIGATION ACTIONS

Specific
Measurable
Achievable
Relevant
Time-bound


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

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UPDATING THE MITIGATION STRATEGY


66



MITIGATION ACTIONS

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

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UPDATING/DEVELOPING MITIGATION ACTIONS

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

Specific
Measurable
Achievable
Relevant
Time-bound


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MITIGATION ACTIONS

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

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EXAMPLE MITIGATION ACTIONS

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

Think flood mitigation, transportation infrastructure, etc.

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MITIGATION ACTION PLANS

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


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

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PROBLEM STATEMENTS FROM RISK ASSESSMENT / PREVIOUS ACTIONS

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



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

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DAM FAILURE PROBLEM STATEMENTS

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

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DROUGHT PROBLEM STATEMENTS

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

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EARTHQUAKES PROBLEM STATEMENTS

- Although Ralls 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. There is one Emergency Management Director for the County that knows where all the generators and emergency buildings are. Not all citizens utilize social media and texting.
- An emergency plan for earthquakes needs to be made available to all residents and stated what would happen in the event of an earthquake with details for communications and transportation. Downtown building owners need to know plan in case damage is done to their building. Residents need to be made aware of where the generators and emergency buildings are located. Utilization of social media and texting needs to be encouraged.

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EXTREME TEMPERATURE'S PROBLEM STATEMENTS

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

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WILDFIRE PROBLEM STATEMENTS

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

77



LAND SUBSIDENCE/SINKHOLES PROBLEM STATEMENTS

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

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LEVEE FAILURE PROBLEM STATEMENTS

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

79



THUNDERSTORM/HIGH WINDS/ LIGHTNING/HAIL PROBLEM STATEMENTS

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

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TORNADO PROBLEM STATEMENTS

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

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WINTER WEATHER/SNOW/ICE/ SEVERE COLD PROBLEM STATEMENTS

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

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PANDEMIC PROBLEM STATEMENTS

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

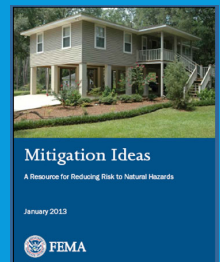
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ADDITIONAL RESOURCES

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



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RESOLUTION

Model Resolution

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

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

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

WHEREAS the (local governing body/school district) has participated in the preparation of a multi-jurisdictional local hazard mitigation plan, hereby known as the (plan name), hereafter referred to as the Plan, in accordance with the Disaster Mitigation Act of 2002; and

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

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

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

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

It is accordance with (local law for adopting resolutions), the (local governing body/school district) adopts the final FEMA-approved Plan:


ADOPTED by a vote of _____ in favor and _____ against, and _____ abstaining, this _____ day of _____, 20____.

By (Signature) _____
 Print Name _____

ATTEST:
 By (Signature) _____
 Print Name _____


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

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PLAN MAINTENANCE


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PLAN MAINTENANCE

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

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PLAN IMPLEMENTATION AND MAINTENANCE-HMPC CONSENSUS NEEDED

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

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PLAN IMPLEMENTATION AND MAINTENANCE-HMPC CONSENSUS NEEDED

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

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

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

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


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OTHER FUNDING SOURCES

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

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PUBLIC COMMENT PERIOD

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COMMENT PERIODS-FULL PLAN DRAFT

- November 5-19, 2021 Committee and Public Comment Period
 - 2 week period
 - www.marktwaincog.com
 - Ralls County Courthouse
 - Ralls County Herald

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NEXT STEPS

- November 26, 2021-**Submit Plan to SEMA**
- After receiving SEMA Approval-**Submit Plan to FEMA**

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

County: Ralls

Jurisdiction: City of Center

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: Cristina Keene

Phone: 573-262-3331

Email: Cityofcenter@ralls.tech.com

Date: 10/12/2021

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

Name: _____

Address: _____

Email: _____

Fax: _____

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

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

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

Element	Yes, No, N/A	Comments and/or Weblink
Planning Capabilities		
Comprehensive or Land-Use Plan		Date:
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:
Policies/Ordinance		
Zoning Ordinance	<i>yes</i>	
Building Code	<i>yes</i>	Version:
Floodplain Ordinance	<i>no</i>	Date:
Drainage/Stormwater Ordinance		
Site Plan Review Requirements		
Historic Preservation Ordinance		

Element	Yes, No, N/A	Comments and/or Weblink
Program		
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:	
Public Education or information programs (i.e., responsible water use, fire safety, household preparedness, or environmental education)	No	
Mutual Aid Agreements	Yes	Fire, Police,
Studies/Reports/Maps		
Critical Facilities Inventory	No	
Vulnerable Population Inventory	No	
Staff/Department		Full Time or Part Time?
Building Code Official / Building Inspector	Robert Poage	Part time
Engineer		
Development Planner		
NFIP Floodplain Administrator		
Mapping Specialist (GIS)		
Public Works Official		
Emergency Management Coordinator		
Local Emergency Planning Committee		
Sanitation Department	David Sanders	Part Time
Highway/Transportation Department		
Economic Development Department		
Housing Department		
Historic Preservation		

Element	Yes, No, N/A	Comments and/or Weblink
Environmental Organizations (NGOs)	Is there a local chapter? Yes or No	
American Red Cross	Yes	
Salvation Army	Yes	
Veterans Groups	Yes	
Local Environmental Organization	No	
Homeowner Associations	No	
Neighborhood Associations	No	
Chamber of Commerce	No	
Community Organizations Lions, Kiwanis, etc.	No	
Financial Resources	Is your jurisdiction able to? Yes or No	
Apply for Community Development Block Grants	Yes	
Fund projects thru Capital Improvements funding	Yes	
Authority to levy taxes for specific purposes	Yes	
Fees for water, sewer, gas, or electric services	Yes	
Impact fees for new development	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		

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.

None

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

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

Alarm 911

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? In the county - yes. City of Center

does not.

Please provide address locations:

21622 Highway 19
Center, MS 39216

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

Commercial - Liters UP

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.

No

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

Westview Nursing Home - 42
Liters VP, LLC - 32

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?

Tracey Ray - unknown

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

VULNERABILITY ASSESSMENT

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

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

Critical Facilities and Infrastructure

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

Essential Facilities

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

High Potential Loss Facilities

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

Transportation and Lifeline

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

Economic Assets

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

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>Westview Nursing Home</i>						
<i>Fusion Centers Danville</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)

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

HISTORIC HAZARD EVENTS

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

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

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

ASSESSMENT OF PREVIOUSLY PROPOSED ACTIONS

Jurisdiction: City of Center

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		
mac 1601	Continuing		X			✓
mac 1603	Continuing		X			✓
mac 1604	Continuing		X			✓

#	Action	Status			Description of Implementation Activities or Reasons for Lack of Progress	Keep - ✓ Delete - X Modify - M
		Complete	Ongoing	No Progress		
mcc 1605	Continuing		X			✓
mcc 1606	Continuing		X			✓
mcc 1613	remove		X			X

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

County: Balls

Jurisdiction: _____

Return by: Carla Burton

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: Carla Burton

Phone: 573-985-4041

Email: ccityhall@missouricom.com

Date: 10/19/2021

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

Name: _____

Address: _____

Email: _____

Fax: _____

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

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

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

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

AN ORDINANCE AMENDING SECTION 405.110 (A)(1)
OF THE CODE OF ORDINANCES OF THE CITY OF NEW LONDON, MISSOURI

*N*ow, **THEREFORE**, be it ordained by the Council of the City of
New London, Missouri, as follows:

Section 405.110 (A)(1) of the Code of the City of New London, Missouri, entitled "C-1" COMMERCIAL DISTRICT "Permitted Uses" is hereby amended to read as follows:

1. *Permitted uses.*
 - a. *Any use permitted in the "R-1" and "R-2" Districts subject to all the restrictions specified in said "R-1" and "R-2" Districts.*
 - b. *Retail business, such as general merchandise stores, food stores, hardware, jewelry stores, furniture, antique apparel, eating and drinking establishments, and drug stores.*
 - c. *Business services, such as banks, other financial institutions, and professional offices.*
 - d. *Personal services, such as barber shops, beauty shops, tailors, photographic studios, self service laundries, and dry cleaning.*
 - e. *Repair services, such as radio shops appliance shops, upholstery shops, and shoe repair shops.*
 - f. *Mortuary or funeral homes.*
 - g. *Hotels, motels, and boarding or lodging houses.*
 - h. *Theaters, including drive-in theaters, amusement facilities, clubs or lodges.*
 - i. *Parking lots.*
 - j. *Automotive sales and services such as service stations, commercial garages, enclosed salesroom, and enclosed building for vehicle repair.*
 - k. *Wholesale trade, warehousing and comm4rical storage completely within an enclosed building or structure.*
 - l. *Government buildings.*

- m. Accessory buildings and uses customarily incident to the above uses.*
- n. Other uses which in the opinion of the Planning and Zoning Commission are of the same general character as those enumerated in this Subsection.*
- o. Day care homes, day care centers and nursery schools.*

2. Accessory uses:

- a. Open and uncovered swimming pools and home barbecue grills may occupy a required rear yard; provided that they are not nearer than five (5) feet to any side or rear lot line.*
- b. The impact of night lighting, signs or lighted signs, and advertising displays in terms of intensity, duration and recency of use, as it impacts adjacent properties and in terms of presence in the neighborhood must be reviewed by the Planning and Zoning Committee before a permit for night lighting, signs or lighted signs, and advertising displays can be issued.*
- c. Grading, filling, excavating or any change in the grade of property that involves the moving, depletion or replacement of more than fifty (50) cubic yards of material or changes the existing elevation by more than two (2) feet requires a permit.
Applications for a grading permit shall be submitted to the Planning and Zoning Board and shall be accompanied by a plan in form as to size for permanent filling, drawn to scale showing the areas to be graded, the depth of cut and fill and an estimate of total cubic cut and fill. The plans shall be approved by the Board. Furthermore, a record of the application and plans shall be kept at City Hall.*

3. Special use permit:

- a. All special uses permitted in Section 405.090 (A) (3).*
- b. Mobile home sales*
- c. Churches or other places of worship*
- d. Farm equipment sales and services.*
- e. Open storage parking or sale of automobiles, trucks, and trailers,*
- f. Drive-in restaurants.*
- g. Animal hospitals and kennels.*
- h. Hospitals and clinics which meet the standards of "Additional Provisions", Section 405.130 (1).*
- i. Public utilities and governmental buildings, as are necessary for health and safety such as fire stations, including substations,*

pumping stations, disposal or treatment facilities, radio or television transmitter or tower, transmission lines, water filtration plant or storage reservoir, or other similar public service uses.

- j. Rebuilding or repair to existing "R-1" and "R-2" structures, which were grandfathered in as non-conforming uses at the time of the adoption of this Chapter, December 11, 1995, shall be permitted without regard to percent of damage as defined in Subsection 405.070(3).*
- k. Other uses which in the opinion of the Planning and Zoning Commission are of the same general character as those enumerated in this Section.*

This Ordinance shall be in full force and effect from and after its date of passage.

Passed this 13th Day of October, 2009.

Approved this 13th Day of October, 2009.

ATTEST:

Millie Powell

Millie Powell, City Clerk

Marvin E. Miller

Marvin E. Miller, Mayor

Bill Number 2010-01

Ordinance Number 368

**AN ORDINANCE AMENDING SECTION 505.050
OF THE CODE OF ORDINANCES OF THE CITY OF NEW LONDON, MISSOURI**

*N*OW, THEREFORE, be it ordained by the Council of the City of New London, Missouri, as follows:

Section 505.050 of the Code of the City of New London, Missouri, entitled "Building Inspector" is hereby amended to read as follows:

505.050 BUILDING INSPECTOR

The city superintendent, or such person designated by the mayor, shall serve as building inspector within the meaning of this chapter. The mayor may designate such person, firm, or entity to serve as building inspector on a case-by-case basis.

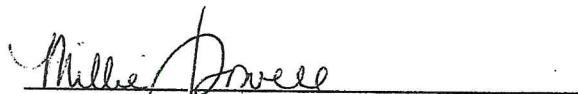
This Ordinance shall be in full force and effect from and after its date of passage.

PASSED this 11th day of January, 2010.

APPROVED this 11th day of January, 2010.


MARVIN E. MILLER, Mayor

ATTEST:


MILLIE POWELL, Clerk

Bill Number 2002-02

Ordinance Number 319

AN ORDINANCE AMENDING SECTION 500.020 (C)
ENTITLED "PERMIT REQUIRED"
OF THE CODE OF ORDINANCES OF THE CITY OF NEW LONDON, MISSOURI.

Be it ordained by the City Council of the City of New London, Missouri, as follows:

The City Council of the City of New London hereby amends Section 500.020 (C) of the Code of Ordinances of the City of New London which shall hereafter read as follows:

"C. Such City officer as designated by the Mayor of the City of New London, Missouri, shall serve as Building Inspector."

This ordinance shall be in full force and effect from an after its date of passage.

This ordinance shall go into effect on the 14th day of January, 2002.

PASSED this 14th day of Janaury, 2002.

APPROVED this 14th day of Janaury, 2002.



LES SCHRADER, Mayor

ATTEST:



MILLIE POWELL, City Clerk

Bill Number 2021-01

Ordinance Number 420

**AN ORDINANCE AMENDING SECTION 700.440
OF THE CODE OF ORDINANCES OF THE CITY OF
NEW LONDON, MISSOURI**

Now, therefore, be it ordained by the Council of the City
Of New London, Missouri, as Follows:

**Section 700.440 Emergency Operations Plan.
{Ord. NO. 421, 5-24-2021}**

- A. New London Water Plant.
- B. Emergency Coordinator And Key Water Supply Personnel.
 - 1. Mary Jane White, Mayor - 573-985-8011
 - 2. Keith Miller, Water Superintendent – 573-822-8917
- C. Local Sources Of Assistance.
 - 1. Fire Department – James Quick
 - 2. Police Department – 573-985-4041 or 573-985-4231
- D. Other Sources Of Assistance.
 - 1. DNR Regional Office – 660-385-8000
 - 2. Nearest Poison Control Center – 573-221-0414
 - 3. CHEMTREC – 800-424-9300.
 - 4. DNR (Jefferson City – 573-751-3241
 - 5. Environmental Protection Agency – 816-374-3778

This Ordinance shall be in full force and effect from and after its date of passage.


PASSED this 24th day of May, 2021

APPROVED this 24th day of May, 2021



Mary Jane White, Mayor

ATTEST:



Carla Burton, Clerk

Element	Yes, No, N/A	Comments and/or Weblink
Program		
National Flood Insurance Program (NFIP)	NO	
NFIP Community Rating System (CRS) program	N/A	If so, what is your current level rating?
National Weather Service (NWS) Storm Ready Certification	yes	
Firewise Community Certification	NO	
Building Code Effectiveness Grading (BCEGs)	N/A	
ISO Fire Rating	Rating: 09/10 yes	09/10
Public Education or information programs (i.e., responsible water use, fire safety, household preparedness, or environmental education)	N/A	
Mutual Aid Agreements	N/A	
Studies/Reports/Maps		
Critical Facilities Inventory	N/A	
Vulnerable Population Inventory	N/A	
Staff/Department		Full Time or Part Time?
Building Code Official / Building Inspector	yes	Full
Engineer	NO	
Development Planner	NO	
NFIP Floodplain Administrator	NO	
Mapping Specialist (GIS)	NO	
Public Works Official	yes	Full
Emergency Management Coordinator	NO	
Local Emergency Planning Committee	NO	
Sanitation Department	NO	
Highway/Transportation Department	NO	
Economic Development Department	NO	
Housing Department	NO	
Historic Preservation	NO	



1000 Bishops Gate Blv. Ste 300
Mt. Laurel, NJ 08054-5404

t1.800.444.4554 Opt.2
f1.800.777.3929

July 26, 2021

Chief Jamie Quick, Chief
New London Fire Department
122 Carstarphen St.
P.O. Box 450
New London, Missouri, 63459

RE: New London Fpsa, Ralls County, Missouri
Public Protection Classification: 09/10
Effective Date: November 01, 2021

Dear Chief Jamie Quick,

We wish to thank you for your cooperation during our recent Public Protection Classification (PPC) survey. ISO has completed its analysis of the structural fire suppression delivery system provided in your community. The resulting classification is indicated above.

If you would like to know more about your community's PPC classification, or if you would like to learn about the potential effect of proposed changes to your fire suppression delivery system, please call us at the phone number listed below.

Please note that as part of our analysis it was determined that a portion of the hydrants on the following water system(s) or in the following area (s) did not meet the minimum requirements for recognition: New London/Main .

ISO's Public Protection Classification Program (PPC) plays an important role in the underwriting process at insurance companies. In fact, most U.S. insurers – including the largest ones – use PPC information as part of their decision-making when deciding what business to write, coverage's to offer or prices to charge for personal or commercial property insurance.

Each insurance company independently determines the premiums it charges its policyholders. The way an insurer uses ISO's information on public fire protection may depend on several things – the company's fire-loss experience, ratemaking methodology, underwriting guidelines, and its marketing strategy.

Through ongoing research and loss experience analysis, we identified additional differentiation in fire loss experience within our PPC program, which resulted in the revised classifications. We based the differing fire loss experience on the fire suppression capabilities of each community. The new classifications will improve the predictive value for insurers while benefiting both commercial and residential property owners. We've published the new classifications as "X" and "Y" — formerly the "9" and "8B" portion of the split classification, respectively. For example:

- A community currently graded as a split 6/9 classification will now be a split 6/6X

Element	Yes, No, N/A	Comments and/or Weblink
Non-Governmental Organizations (NGOs)	Is there a local chapter? Yes or No	
American Red Cross	yes	
Salvation Army	yes	
Veterans Groups	N/A	
Local Environmental Organization	N/A	
Homeowner Associations	N/A	
Neighborhood Associations	NO	
Chamber of Commerce	N/A	
Community Organizations (Lions, Kiwanis, etc.)	yes	
Financial Resources	Is your jurisdiction able to? Yes or No	
Apply for Community Development Block Grants	N/A	
Fund projects thru Capital Improvements funding	NO	
Authority to levy taxes for specific purposes	N/A	
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	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	Updated 2021
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.

Planning Water infrastructure

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.

Water

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

One

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

Through 911

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

Please provide address locations: Ralls Co Courthouse
311 Main Street

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

Construction of separate rental units just south of the Lions Club West Street + W 6th Street. Owner developer Shane McClelland

lot 1 416 W 6th

lot 5 608 West Street

lot 2 408 W 6th

lot 6 610 West Street

lot 3 604 West Street

lot 4 1018 West Street

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.

N/A

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. N/A

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

Abels - 18 employees
Caseys - 17 employees
Loves - 19 employees
Dollar General - 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? N/A

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

VULNERABILITY ASSESSMENT

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

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

Critical Facilities and Infrastructure

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

Essential Facilities

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

High Potential Loss Facilities

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

Transportation and Lifeline

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

Economic Assets

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

Property Schedules

Property	Member Property #	Property Location	Occupancy Description	Year Built	Add Date	Remove Date	Building Value	Content Value	Total Value
NLD-P15578	29	1000 Jenny Bell Lane	Water Tower	1996	07/01/2021		506,024.01	0.00	506,024.01
NLD-P15579	30	1000 Jenny Bell Lane	Pole Barn Storage	1996	07/01/2021		247,797.46	30,000.00	277,797.46
NLD-P15580	31	1000 Jenny Bell Lane	Dog Kennel	2006	07/01/2021		6,325.30	0.00	6,325.30
NLD-P15578	29	1000 Jenny Bell Lane	Water Tower	1996	07/01/2021		506,024.01	0.00	506,024.01
NLD-P15579	30	1000 Jenny Bell Lane	Pole Barn Storage	1996	07/01/2021		247,797.46	30,000.00	277,797.46
NLD-P15580	31	1000 Jenny Bell Lane	Dog Kennel	2006	07/01/2021		6,325.30	0.00	6,325.30
NLD-P15565	16	16085 Shortline Trail	WWTP - Mechanical Bar Screen	2018	07/01/2021		159,248.00	0.00	159,248.00
NLD-P15566	17	16085 Shortline Trail	WWTP - Chlorine Building	2002	07/01/2021		64,560.00	0.00	64,560.00
NLD-P15567	18	16085 Shortline Trail	WWTP - 175 KW Cat Generator	2018	07/01/2021		80,700.00	0.00	80,700.00
NLD-P15568	19	16085 Shortline Trail	WWTP - Mechanical Treatment Equipment	2018	07/01/2021		269,753.20	0.00	269,753.20
NLD-P15569	20	16085 Shortline Trail	WWTP - Electrical & Controls	2018	07/01/2021		172,160.00	0.00	172,160.00
NLD-P15570	21	16085 Shortline Trail	WWTP - Yard Misc.	2018	07/01/2021		80,700.00	0.00	80,700.00
NLD-P15571	22	16085 Shortline Trail	WWTP - Equalization Structure	2018	07/01/2021		91,460.00	0.00	91,460.00
NLD-P15572	23	16085 Shortline Trail	WWTP - Aeration Basin	2018	07/01/2021		112,980.00	0.00	112,980.00
NLD-P15573	24	16085 Shortline Trail	WWTP - Chlorine Chamber	2009	07/01/2021		107,600.00	0.00	107,600.00
NLD-P15574	25	16085 Shortline Trail	WWTP - Non-Potable Water System	2018	07/01/2021		66,712.00	0.00	66,712.00
NLD-P15575	26	16085 Shortline Trail	WWTP - Clarifier	2018	07/01/2021		107,600.00	0.00	107,600.00
NLD-P15576	27	16085 Shortline Trail	WWTP - Sludge Storage Basin	2018	07/01/2021		107,600.00	0.00	107,600.00
NLD-P15565	16	16085 Shortline Trail	WWTP - Mechanical Bar Screen	2018	07/01/2021		159,248.00	0.00	159,248.00
NLD-P15566	17	16085 Shortline Trail	WWTP - Chlorine Building	2002	07/01/2021		64,560.00	0.00	64,560.00
NLD-P15567	18	16085 Shortline Trail	WWTP - 175 KW Cat Generator	2018	07/01/2021		80,700.00	0.00	80,700.00
NLD-P15568	19	16085 Shortline Trail	WWTP - Mechanical Treatment Equipment	2018	07/01/2021		269,753.20	0.00	269,753.20
NLD-P15569	20	16085 Shortline Trail	WWTP - Electrical & Controls	2018	07/01/2021		172,160.00	0.00	172,160.00
NLD-P15570	21	16085 Shortline Trail	WWTP - Yard Misc.	2018	07/01/2021		80,700.00	0.00	80,700.00
NLD-P15571	22	16085 Shortline Trail	WWTP - Equalization Structure	2018	07/01/2021		91,460.00	0.00	91,460.00
NLD-P15572	23	16085 Shortline Trail	WWTP - Aeration Basin	2018	07/01/2021		112,980.00	0.00	112,980.00
NLD-P15573	24	16085 Shortline Trail	WWTP - Chlorine Chamber	2009	07/01/2021		107,600.00	0.00	107,600.00
NLD-P15574	25	16085 Shortline Trail	WWTP - Non-Potable Water System	2018	07/01/2021		66,712.00	0.00	66,712.00
NLD-P15575	26	16085 Shortline Trail	WWTP - Clarifier	2018	07/01/2021		107,600.00	0.00	107,600.00
NLD-P15576	27	16085 Shortline Trail	WWTP - Sludge Storage Basin	2018	07/01/2021		107,600.00	0.00	107,600.00
NLD-P15585	36	17550 Highway 19	Lift Station	2017	07/01/2021		9,474.83	0.00	9,474.83
NLD-P15585	36	17550 Highway 19	Lift Station	2017	07/01/2021		9,474.83	0.00	9,474.83
NLD-P15584	35	413 West 1st	Lift Station	1990	07/01/2021		37,951.80	0.00	37,951.80
NLD-P15584	35	413 West 1st	Lift Station	1990	07/01/2021		37,951.80	0.00	37,951.80
NLD-P15588	39	419 South Main	Generator	2018	07/01/2021		5,242.76	0.00	5,242.76
NLD-P15588	39	419 South Main	Generator	2018	07/01/2021		5,242.76	0.00	5,242.76
NLD-P15550	1	419 South Main Street	City Hall	1860	07/01/2021		151,807.20	50,000.00	201,807.20
NLD-P15550	1	419 South Main Street	City Hall	1860	07/01/2021		151,807.20	50,000.00	201,807.20
NLD-P15551	2	419r South Main Street	Siren	2007	07/01/2021		56,927.70	0.00	56,927.70
NLD-P15552	3	419r South Main Street	Storage Shed	2009	07/01/2021		2,530.12	500.00	3,030.12
NLD-P15551	2	419r South Main Street	Siren	2007	07/01/2021		56,927.70	0.00	56,927.70
NLD-P15552	3	419r South Main Street	Storage Shed	2009	07/01/2021		2,530.12	500.00	3,030.12

NLD-P15589	40 709 East 1st	Formal Water Plant	1860	07/01/2021	50,950.00	0.00	50,950.00
NLD-P15589	40 709 East 1st	Formal Water Plant	1860	07/01/2021	50,950.00	0.00	50,950.00
NLD-P15583	34 713 Union	Lift Station	2017	07/01/2021	84,000.00	0.00	84,000.00
NLD-P15583	34 713 Union	Lift Station	2017	07/01/2021	84,000.00	0.00	84,000.00
NLD-P15581	32 7th and College	Lift Station	1992	07/01/2021	6,325.30	0.00	6,325.30
NLD-P15582	33 7th and College	Lift Station	1992	07/01/2021	6,325.30	0.00	6,325.30
NLD-P15581	32 7th and College	Lift Station	1992	07/01/2021	6,325.30	0.00	6,325.30
NLD-P15582	33 7th and College	Lift Station	1992	07/01/2021	6,325.30	0.00	6,325.30
NLD-P15587	38 Carstarphen Drive	FD Training Building	2016	07/01/2021	59,396.31	25,000.00	84,396.31
NLD-P15577	28 Carstarphen Drive	Fire Station	1995	07/01/2021	151,501.91	100,000.00	251,501.91
NLD-P15587	38 Carstarphen Drive	FD Training Building	2016	07/01/2021	59,396.31	25,000.00	84,396.31
NLD-P15577	28 Carstarphen Drive	Fire Station	1995	07/01/2021	151,501.91	100,000.00	251,501.91
NLD-P15553	4 Community Park - Park View Trail	Shelter House #1	1980	07/01/2021	12,650.60	0.00	12,650.60
NLD-P15554	5 Community Park - Park View Trail	Shelter House #2	1995	07/01/2021	25,301.20	0.00	25,301.20
NLD-P15555	6 Community Park - Park View Trail	Shelter House #3	2000	07/01/2021	12,650.60	0.00	12,650.60
NLD-P15556	7 Community Park - Park View Trail	Open Stage	1999	07/01/2021	18,975.90	0.00	18,975.90
NLD-P15557	8 Community Park - Park View Trail	Playground Equipment	2007	07/01/2021	25,111.44	0.00	25,111.44
NLD-P15558	9 Community Park - Park View Trail	Fencing	1980	07/01/2021	12,650.60	0.00	12,650.60
NLD-P15559	10 Community Park - Park View Trail	Baseball Field Bleachers	1980	07/01/2021	3,162.65	0.00	3,162.65
NLD-P15560	11 Community Park - Park View Trail	Baseball Field Lighting	1980	07/01/2021	18,975.90	0.00	18,975.90
NLD-P15561	12 Community Park - Park View Trail	Baseball Field Fencing/Backstop	1980	07/01/2021	12,650.60	0.00	12,650.60
NLD-P15562	13 Community Park - Park View Trail	Baseball Field Scoreboard	1980	07/01/2021	18,975.90	0.00	18,975.90
NLD-P15586	37 Community Park - Park View Trail	Bleachers/Picnic Tables		07/01/2021	6,325.30	0.00	6,325.30
NLD-P15553	4 Community Park - Park View Trail	Shelter House #1	1980	07/01/2021	12,650.60	0.00	12,650.60
NLD-P15554	5 Community Park - Park View Trail	Shelter House #2	1995	07/01/2021	25,301.20	0.00	25,301.20
NLD-P15555	6 Community Park - Park View Trail	Shelter House #3	2000	07/01/2021	12,650.60	0.00	12,650.60
NLD-P15556	7 Community Park - Park View Trail	Open Stage	1999	07/01/2021	18,975.90	0.00	18,975.90
NLD-P15557	8 Community Park - Park View Trail	Playground Equipment	2007	07/01/2021	25,111.44	0.00	25,111.44
NLD-P15558	9 Community Park - Park View Trail	Fencing	1980	07/01/2021	12,650.60	0.00	12,650.60
NLD-P15559	10 Community Park - Park View Trail	Baseball Field Bleachers	1980	07/01/2021	3,162.65	0.00	3,162.65
NLD-P15560	11 Community Park - Park View Trail	Baseball Field Lighting	1980	07/01/2021	18,975.90	0.00	18,975.90
NLD-P15561	12 Community Park - Park View Trail	Baseball Field Fencing/Backstop	1980	07/01/2021	12,650.60	0.00	12,650.60
NLD-P15562	13 Community Park - Park View Trail	Baseball Field Scoreboard	1980	07/01/2021	18,975.90	0.00	18,975.90
NLD-P15586	37 Community Park - Park View Trail	Bleachers/Picnic Tables		07/01/2021	6,325.30	0.00	6,325.30
NLD-P15563	14 Ruth Roy Wright Park - 4th and Clay	Shelter	2006	07/01/2021	2,125.30	0.00	2,125.30
NLD-P15564	15 Ruth Roy Wright Park - 4th and Clay	Playground Equipment	2007	07/01/2021	20,051.20	0.00	20,051.20
NLD-P15563	14 Ruth Roy Wright Park - 4th and Clay	Shelter	2006	07/01/2021	2,125.30	0.00	2,125.30
NLD-P15564	15 Ruth Roy Wright Park - 4th and Clay	Playground Equipment	2007	07/01/2021	20,051.20	0.00	20,051.20

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						
City Hall / Police Station	419 S MAIN St New London					
Fire Station	Carstaphen Pl					
New London MAINT. Bldg	Ginny Belle Ln.					
W.W.T.P	Shortline Trl.					

Economic Assets (Major Employers, etc)

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

HISTORIC HAZARD EVENTS

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

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

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

ASSESSMENT OF PREVIOUSLY PROPOSED ACTIONS

Jurisdiction: _____

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

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

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

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

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

Multi-Jurisdictional Hazard Mitigation Plan

Data Collection Questionnaire

For Small Local Governments

County: Ralls

Jurisdiction: Perry

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: Danette Henderson

Phone: 573-565-3131

Email: _____

Date: 10-27-21

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

Name: _____

Address: _____

Email: _____

Fax: _____

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

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

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

Element	Yes, No, N/A	Comments and/or Weblink
Planning Capabilities		
Comprehensive or Land-Use Plan		Date:
Capital Improvement Plan		Date:
Transportation Plan / Highway Department		Date:
Emergency Operations Plan	Y	Date: 2009
Local Recovery Plan		Date:
Debris Management Plan		Date:
Firewise or other fire mitigation plan		Date:
Economic Development Plan		Date:
Policies/Ordinance		
Zoning Ordinance	Y	1990
Building Code	NO	Version:
Floodplain Ordinance	NO	Date:
Drainage/Stormwater Ordinance	Y	1990
Site Plan Review Requirements	NO	
Historic Preservation Ordinance	NO	

Element	Yes, No, N/A	Comments and/or Weblink
Program		
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	Utility bills/ FB page
Mutual Aid Agreements	Yes	
Studies/Reports/Maps		
Critical Facilities Inventory	NO	
Vulnerable Population Inventory	NO	
Staff/Department		Full Time or Part Time?
Building Code Official / Building Inspector		
Engineer	NO	
Development Planner	NO	
NFIP Floodplain Administrator	NO	
Mapping Specialist (GIS)	NO	
Public Works Official	NO	
Emergency Management Coordinator	Yes	
Local Emergency Planning Committee		
Sanitation Department	NO	
Highway/Transportation Department	NO	
Economic Development Department	NO	
Housing Department	NO	
Historic Preservation	NO	

Element	Yes, No, N/A	Comments and/or Weblink
Non-Governmental Organizations (NGOs)	Is there a local chapter? Yes or No	
American Red Cross	NO	
Salvation Army	NO	
Veterans Groups	Y	VFW
Local Environmental Organization	NO	
Homeowner Associations	NO	
Neighborhood Associations	NO	
Chamber of Commerce	Y	
Community Organizations (Lions, Kiwanis, etc.)	Y	LIONS
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		NO
Fees for water, sewer, gas, or electric services		Yes
Impact fees for new development		Yes
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 / Council w/ 4 council mbrs.

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.

Storm Siren

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)? remote by all

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

6. Does your community have designated public tornado shelters/saferooms? If so, are they constructed in accordance with FEMA standards? Church Basements, not constructed to FEMA standards

Please provide address locations:

509 E. Salling
300 E. Salling

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

Moderate residential growth, approx 3 new dwellings /yr.

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 - floodplain area or other hazard 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.

NO

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

Perry Machine + Die - 85 emp.

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?

Jim Talbot
Mark Fugue
Ron Howard
Don Huff
Bill Bowman

Tried but many scheduling conflicts.
Bob Stevener
Danette Henderson
David Todd

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

We do not participate

VULNERABILITY ASSESSMENT

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

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

Critical Facilities and Infrastructure

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

Essential Facilities

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

High Potential Loss Facilities

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

Transportation and Lifeline

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

Economic Assets

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

Economic Assets (Major Employers, etc)

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

HISTORIC HAZARD EVENTS

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

Jurisdiction	
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 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.

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Other damage	
Insured losses	
Federal/state disaster relief funding	
Source of information	
Comments	

ASSESSMENT OF PREVIOUSLY PROPOSED ACTIONS

Jurisdiction: _____

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

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

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

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

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

Multi-Jurisdictional Hazard Mitigation Plan

Data Collection Questionnaire

For Local Governments

County: Ralls

Jurisdiction: _____

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: Sandy Lanier

Phone: 573-995-7111

Email: rallsclerk@rallscourtymo.gov

Date: October 19, 2021

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

Name: _____

Address: _____

Email: _____

Fax: _____

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

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

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

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

Element	Yes, No, N/A	Comments and/or Weblink
Policies/Ordinance		
Zoning Ordinance	Yes	
Building Code	Version: N/A	
Floodplain Ordinance	Date: Yes	
Subdivision Ordinance	Yes	
Tree Trimming Ordinance	No	
Nuisance Ordinance	No	
Stormwater Ordinance	No	
Drainage Ordinance	No	
Site Plan Review Requirements	No	
Historic Preservation Ordinance	No	
Landscape Ordinance	No	
Program		
Zoning/Land Use Restrictions	Yes	
Codes Building Site/Design	No	
Hazard Awareness Program	No	
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: No	
Economic Development Program	Yes	
Land Use Program	No	
Public Education/Awareness	No	
Property Acquisition	No	
Planning/Zoning Boards	Yes	
Stream Maintenance Program	No	
Tree Trimming Program	No	
Engineering Studies for Streams (Local/County/Regional)	No	

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

Element	Yes, No, N/A	Comments and/or Weblink
Local Environmental Organization	NO	
Homeowner Associations	YES	
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		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 Plan	
Builder's Plan	
Capital Improvement Plan	
Local Recovery Plan	
County Recovery Plan	
Debris Management Plan	
Economic Development Plan	
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)
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. 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)?

6. Does your community utilize any other warning systems such as Cable Override, Reverse 911, etc? If so, please describe.
7. Does your community have designated public tornado shelters/saferooms? If so, are they constructed in accordance with FEMA standards?

Please provide address locations:

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.

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.

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

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 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

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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.

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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		

Inventory of Critical/Essential Facilities and Infrastructure by Jurisdiction

Please find the line for your Jurisdiction below and indicate how many critical/essential facilities are located within your jurisdiction.

Jurisdiction	Airport Facility	Bus Facility	Childcare Facility	Communications Tower	Electric Power Facility	Emergency Operations	Fire Service	Government	Housing	Shelters	Highway Bridge	Hospital/Health Care	Military	Natural Gas Facility	Nursing Homes	Police Station	Potable Water Facility	Rail	Sanitary Pump Stations	School Facilities	Storm water Pump Stations	Tier II Chemical Facility	Wastewater Facility	TOTAL	
Example	1		2		1		6		3			2		1	1				1						6
Unincorporated Ralls County																									
City of Perry																									
City of New London																									
City of Center																									
<u>Monroe City</u>																									

Hannibal Rural
 Hannibal City
 Monroe County
 Perry City
 Center City
 New London City

Fire

Air Port
 Greenbloom
 Hwy 11

Hannibal (Hwy H)
 Joplin
 Lake Hannibal
 New London
 Center
 Perry
 Joplin

Ralls County, Missouri
PRESS RELEASE

For Immediate Release

Contact: Devyn Campbell
573-565-2203

Ralls County Planning Committee Seeks Public Input

Ralls County, MO — The public is encouraged to review and comment on the Ralls 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 Ralls County from November 5-19, 2021. The purpose is to provide information to the public on the Multi-Jurisdictional Hazard Mitigation Plan Update as well as gain public input.

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

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

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

From November 5, 2021 – November 19, 2021 the final draft plan will be available for your review at the following locations:

Online at: marktwaincog.com

A hard copy can be reviewed during normal operating hours at: Ralls County Courthouse
311 S. Main, New London, 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 Planning Commission has taken the lead in developing this plan. The point of contact is Devyn Campbell, Fiscal Officer/Community Planner. For more information on this project, contact Devyn Campbell at 573-565-2203.