

4 MITIGATION STRATEGY

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44 CFR Requirement §201.6(c)(3): The plan shall include a mitigation strategy that provides the jurisdiction’s blueprint for reducing the potential losses identified in the risk assessment, based on existing authorities, policies, programs and resources, and its ability to expand on and improve these existing tools.

This section presents the mitigation strategy developed by the Mitigation Planning Committee (MPC). The mitigation strategy was developed through a collaborative group process. The process included review of general goal statements to guide the jurisdictions in lessening disaster impacts as well as specific mitigation actions to directly reduce vulnerability to hazards and losses. The following definitions are taken from FEMA’s *Local Hazard Mitigation Review Guide (October 1, 2012)*.

- **Mitigation Goals** are general guidelines that explain what you want to achieve. Goals are long-term policy statements and global visions that support the mitigation strategy. The goals address the risk of hazards identified in the plan.
- **Mitigation Actions** are specific actions, projects, activities, or processes taken to reduce or eliminate long-term risk to people and property from hazards and their impacts. Implementing mitigation actions helps achieve the plan’s mission and goals.

4.1 Goals

44 CFR Requirement §201.6(c)(3)(i): [The hazard mitigation strategy shall include a] description of mitigation goals to reduce or avoid long-term vulnerabilities to the identified hazards.

This planning effort is an update to Washington County’s existing hazard mitigation plan originally approved by FEMA in April 2005 and updated and approved by FEMA on March 22, 2013 and five years later in June, 2018. Therefore, the goals from the updated 2016 Washington County Hazard Mitigation Plan were reviewed to see if they were still valid, feasible, practical, and applicable to the defined hazard impacts. The MPC conducted a discussion session during their first meeting to review and update the plan goals. To ensure that the goals developed for this update were comprehensive and supported State goals, the 2018 State Hazard Mitigation Plan goals were reviewed. The MPC reviewed the goals and decided to consolidate them from six goals to three. The following goals were established for the 2023 Washington County plan update:

Goal 1: Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the county.

Goal 2: Reduce the potential impact of natural disasters to property, infrastructure and the local economy.

Goal 3: Reduce the potential impact of natural disaster on the continuity of government and essential services.

4.2 Identification and Analysis of Mitigation Actions

44 CFR Requirement §201.6(c)(3)(ii): The mitigation strategy shall include a section that identifies and analyzes a comprehensive range of specific mitigation actions and projects being considered to reduce the effects of each hazard, with particular emphasis on new and existing buildings and infrastructure.

During the first MPC meeting, the committee discussed what needed to be updated in the risk assessment. Changes in risk since adoption of the previously approved plan were discussed. Since the last update, there have been no deaths due to natural hazard events. The process of reviewing action items was started, and suggestions made for changes to address the changes in risk. Discussions from the actions from the previous plan included completed actions, on-going actions, and actions upon which progress had not been made. The MPC discussed SEMA's identified funding priorities and the types of mitigation actions generally recognized by FEMA.

In the 2018 revision of the plan, the MPC determined to include problem statements in the plan update at the end of each hazard profile, which had not been done in the previously approved plan. The problem statements summarize the risk to the planning area presented by each hazard and include possible methods to reduce that risk.

The focus of Meeting #2 was to review, prioritize and update the mitigation strategy. The MPC reviewed the list of actions proposed in the previous mitigation plan and proposed additional mitigation actions. Facilitators also provided suggestions for actions based on what some of the surrounding counties had included in their plans. Participants were also encouraged to refer to the current State Plan and provided a link to the FEMA's publication, *Mitigation Ideas: A Resource for Reducing Risk to Natural Hazards (January 2013)*. This document was developed by FEMA as a resource for identification of a range of potential mitigation actions for reducing risk to natural hazards and disasters.

During the review of the plan document, MPC members were encouraged to review the details of the risk assessment vulnerability analysis specific to their jurisdiction.

The MPC reviewed the actions from the previously approved plan for progress made since the plan had been adopted. Copies of the list of actions for each jurisdiction were provided to MPC members at planning meetings and were emailed out to all members. Action items were reviewed and the MPC provided updates on the status of action items during both planning meetings and the meeting with the road and bridge department. Each action item was reviewed and assigned one of the following:

- Completed, with a description of the progress,
- Not Started/Continue in Plan Update, with a discussion of the reasons for lack of progress,
- In Progress/Continue in Plan Update, with a description of the progress made to date or
- Deleted, with a discussion of the reasons for deletion.

Additionally, the future inclusion of each mitigation action in the plan update was identified as either keep, delete, or modify. Based on the status updates, there were six completed actions, seven deleted actions, nine actions that were combined with other similar actions, 14 continuing actions and two new actions. Seven of the continuing action items were revised to better meet SMART criteria.

Table 4.1 provides a summary of the action statuses for each jurisdiction:

Table 4.1. Action Status Summary

Jurisdiction	Completed Actions	Continuing Actions (ongoing or modify)	Deleted Actions
Washington County	5	14	6
Caledonia	5	12	5
Irondale	5	12	5
Mineral Point	5	12	5
Potosi	5	12	5
Kingston K-14 School District	4	5	1
Potosi R-III School District	4	5	1
Richwoods R-VII School District	4	5	1
Valley R-VI School District	4	5	1

Table 4.2 provides a summary of the completed and deleted actions from the previous plan.

Table 4.2. Summary of Completed, Revised and Deleted Actions from the Previous Plan

Completed Actions	Completion Details (date, amount, funding source)
1.1.5 Educate school staff on natural hazards and make sure all staff are familiar with school emergency plan including evacuation and safety procedures.	This action item has been established in school policy and is required by the Department of Secondary and Elementary Education (DESE). 2010. School operating budget.
1.2.4 Monitor developments in data availability concerning the impact of dam failure, tornadoes, sinkholes, land subsidence, and wildfire upon Washington County and all jurisdictions through local, state, and federal agencies for use in hazard mitigation planning.	This activity is accomplished every five years during the planning process. 2018. Hazard Mitigation Plan Update grant funds and local match.
2.3.2 Have local jurisdictions review their floodplain ordinances and if not included, add language for securing hazardous materials tanks and mobile homes in floodplain areas to reduce hazards during storms and flooding.	Jurisdictions reported that they had reviewed their floodplain ordinances and they includes these requirements. 2019. City and County operating budgets.

Completed Actions	Completion Details (date, amount, funding source)
3.4.2 Publicize county or citywide drills.	This has been established in policy and procedure as all events are publicized through local media. 2018. County, city and school operating budgets.
4.1.2 Continue to encourage joint training (or drills) between agencies, public and private entities (including schools and businesses).	This has been established in policy and procedure. Examples include hazardous materials tabletop exercises that actively recruit local government and agencies, schools and businesses to participate and hazmat trainings that are promoted to all emergency response agencies in the county. 2005. Local operating budgets and CEPF and HMEP funds from the MERC for hazardous materials programs.
6.3.1 Prioritize mitigation projects, based on cost-effectiveness and starting with those sites facing the greatest threat to life, health, and property.	Completed through the hazard mitigation planning process. 2022. Hazard mitigation planning grant and local match.
Revised Actions	New Version
1.1.3 Promote development of emergency plans by businesses and public entities by providing information on business continuity and emergency planning through local chambers of commerce and emergency management offices.	1.1.3 Provide annual training to local businesses and public entities on emergency planning and business continuity through local chambers of commerce and emergency management offices.
1.1.4 Continue to provide CERT training and encourage the development of CERT teams.	1.1.4 Local Fire Departments and Emergency Management Director will provide CERT training and distribute information on the benefits of the CERT and VOAD programs.
3.3.2 Implement a public awareness program about the benefits of hazard mitigation projects, both public and private, including distributing press releases by cities/county regarding adopted mitigation measures to keep public abreast of changes and/or new regulations.	3.3.2 Implement public awareness program about the benefits of adopted hazard mitigation projects, both public and private, through press releases, brochures, EMD website and social media including changes to mitigation policy to keep the public abreast of changes and/or new regulations.
5.2.1 Encourage local governments to purchase properties in the floodplain as funds become available and convert that land into public space/recreation area.	5.2.1 Purchase properties in the floodplain to convert land into public space/recreation areas as funds allow.
6.1.3 Work with state/local/federal agencies to include mitigation in all economic and community development projects.	6.1.3 Meet with state/local/federal agencies annually to discuss budgeting for mitigation projects, cost-share programs with property owners, including mitigation activities in all economic and community development projects, merge with other community planning and coordinate and integrate hazard mitigation activities, where appropriate, with emergency operations plans and procedures.

Revised Actions	New Version
5.2.1 Encourage cities to require contractor storm water management plans in all new development – both residential and commercial properties.	5.2.1 Purchase properties in the floodplain to convert land into public space/recreation areas as funds allow.
6.1.3 Work with state/local/federal agencies to include mitigation in all economic and community development projects.	6.1.3 Meet with state/local/federal agencies annually to discuss budgeting for mitigation projects, cost-share programs with property owners, including mitigation activities in all economic and community development projects, merge with other community planning and coordinate and integrate hazard mitigation activities, where appropriate, with emergency operations plans and procedures.
Deleted Actions	Reason for Deletion
1.2.2 Promote the use of weather radios by local residents to ensure advanced warning about threatening weather.	No longer a high priority with improved technology and poor radio reception in the county.
1.3.1 Place water height gauges and signs near low water crossings.	No longer a high priority. Committee felt that the signs encourage people to attempt crossings. Signs are often vandalized and difficult to maintain.
1.3.2 Provide information on tree trimming and dead tree removal programs to utility companies and local government.	Power lines are the responsibility of the power companies and cities and county did not feel this was a high priority.
2.1.1 Provide information on self-inspection programs to critical facilities to assess earthquake and tornado resistance.	No longer considered a high priority and does not meet SMART criteria.
2.1.4 Promote development of emergency plans by businesses and public entities by providing information on business continuity and emergency planning through local chambers of commerce and emergency management offices.	Combined with 1.1.3.
2.3.1 Develop minimum standards for building codes in county and cities.	No longer considered a high priority.
2.3.3 Encourage the Mark Twain National Forest to levy stricter fines for persons causing fire hazards.	Does not meet SMART criteria. No longer high priority.

Deleted Actions	Reason for Deletion
3.2.2 Encourage meetings between EMD, city/county officials and SEMA to familiarize officials with mitigation planning, implementation and budgeting for mitigation projects.	Combined with 6.1.3.
3.3.1 Re-evaluate the hazard mitigation plan, merge with other community planning and coordinate and integrate hazard mitigation activities, where appropriate, with emergency operations plans and procedures.	Combined with 6.1.3.
4.1.1 Schedule joint meetings with different organizations/agencies for mitigation planning.	Combined with 6.1.3.
4.1.3 Pool different agency resources to achieve widespread mitigation results.	Combined with 4.1.2 and removed as completed.
5.1.4 Encourage cities to require contractor storm water management plans in all new development – both residential and commercial properties.	Although the city of Potosi requires this, the other cities determined it was a low priority.
5.2.2 Encourage communities to discuss zoning repetitive loss properties in the floodplain as open space.	Combined with 5.2.1.
6.1.2 Structure grant proposals for road/bridge upgrades so that hazard mitigation concerns are also met.	Combined with 1.3.3.
6.1.4 Provide information to jurisdictions on the benefits of budgeting for and implementing hazard mitigation projects.	Combined with 6.1.3.
6.2.1 Provide information on the benefits of local governments implementing cost-share programs with private property owners for hazard mitigation projects that benefit the	Combined with 6.1.3.

Source: Previously approved County Hazard Mitigation Plan; MPC committee; data collection questionnaires

4.3 Implementation of Mitigation Actions

44 CFR Requirement §201.6(c)(3)(ii): The mitigation strategy shall include an action strategy describing how the actions identified in paragraph (c)(2)(ii) will be prioritized, implemented, and administered by the local jurisdiction. Prioritization shall include a special emphasis on the extent to which benefits are maximized according to a cost benefits review of the proposed projects and their associated costs.

Jurisdictional MPC members were encouraged to meet with others in their community to discuss the actions to be included in the updated mitigation strategy. Throughout the MPC consideration and discussion, emphasis was placed on the importance of a benefit-cost analysis in determining project priority. The Disaster Mitigation Act requires benefit-cost review as the primary method by which mitigation projects should be prioritized. The MPC decided to pursue implementation according to when and where damage occurs, available funding, political will, jurisdictional priority, and priorities identified in the Missouri State Hazard Mitigation Plan. The benefit/cost review at the planning stage primarily consisted of a qualitative analysis and was not the detailed process required grant funding application. For each action, the plan sets forth a narrative describing the types of benefits that could be realized from action implementation. The cost was estimated as closely as possible, with further refinement to be supplied as project development occurs.

FEMA's STAPLEE methodology was used to assess the costs and benefits, overall feasibility of mitigation actions, and other issues impacting project. During the prioritization process, the MPC worked together to review and assign scores. The process posed questions based on the STAPLEE elements as well as the potential mitigation effectiveness of each action. Scores were based on the responses to the questions as follows:

Definitely yes = 3 points
Maybe yes = 2 points
Probably no = 1
Definitely no = 0

The following questions were asked for each proposed action.

S: Is the action socially acceptable?
T: Is the action technically feasible and potentially successful?
A: Does the jurisdiction have the administrative capability to successfully implement this action?
P: Is the action politically acceptable?
L: Does the jurisdiction have the legal authority to implement the action?
E: Is the action economically beneficial?
E: Will the project have an environmental impact that is either beneficial or neutral? (score "3" if positive and "2" if neutral)

Will the implemented action result in lives saved?
Will the implanted action result in a reduction of disaster damage?

In addition to the STAPLEE process, each action item was also reviewed for Benefit/Cost. These two aspects of the prioritization process were scored as follows:

Benefit – two (2) points were added for each of the following avoided damages (8 points maximum = highest benefit)

- Injuries and/or casualties
- Property damages

- Loss-of-function/displacement impacts
- Emergency management costs/community costs

Cost – points were subtracted according to the following cost scale (-5 points maximum = highest cost)

- (-1) = Minimal – little cost to the jurisdiction involved
- (-3) = Moderate – definite cost involved but could likely be worked into operating budget
- (-5) = Significant – cost above and beyond most operating budgets; would require extra appropriations to finance or to meet matching funds for a grant

Note: For the Benefit/Cost Review, the benefit and cost of actions which used the word “encourage” were evaluated as if the action or strategy being encouraged was actually to be carried out.

In addition, the group considered the cost of mitigation versus the long-term savings in relation to potential lives saved and property damage avoided.

Total Score – The scores for the STAPLEE Review and Benefit/Cost Review were added to determine a Total Score for each action.

Priority Scale – To achieve an understanding of how a Total Score might be translated into a Priority Rating, a sample matrix was filled out for the possible range of ratings an action might receive on both the STAPLEE and Benefit/Cost Review. The possible ratings tested ranged between:

- A hypothetical action with “Half probably NO and half maybe YES” answers on STAPLEE (i.e. poor STAPLEE score) and Low Benefit/High Cost: Total Score = 7
- A hypothetical action with “All definitely YES” on STAPLEE and High Benefit/Little Cost: Total Score = 28

An inspection of the possible scores within this range led to the development of the following Priority Scale based on the Total Score in the STAPLEE- Benefit/Cost Review process:

20 – 28 points = High Priority
 14-19 points = Medium Priority
 13 points and below = Low Priority

In addition to the STAPLEE and Benefit/Cost analysis, the committee was also asked to consider **SMART** – **S**pecific, **M**easurable, **A**chievable, **R**elevant, **T**ime-bound, per FEMA. All action items were reviewed with this criteria in mind. The results of the STAPLEE process and Benefit/Cost analysis were then mailed out to all MPC members for feedback and consensus.

The final scores are listed below in the analysis of each action. Correspondence regarding the STAPLEE process is included in Appendix B. A spreadsheet with the action items and final scores is illustrated in **Figure 4.4**.

Jurisdictional Floodplain Management Programs

Washington County and the cities of Caledonia, Irondale, Mineral Point, and Potosi are members of the NFIP and regulate development in the floodplain by reviewing permit applications for all development including new and existing structures. Elevation certificates are required for all new construction, and existing structures with 50% or more damage following a flood are required to elevate. Floodplain maps are available in hard copy at the city halls of each community and the

county's flood maps can be obtained from the floodplain coordinator - MRPC. Furthermore, floodplain maps can be found online through FEMA's website <https://msc.fema.gov/portal>.

Table 4.1. Jurisdictional Floodplain Ordinance Adoption Date

Community Name	Ordinance Adoption Date
Washington County	12/19/06
Caledonia	11/05/76
Irondale	05/13/77
Mineral Point	08/08/75
Potosi	12/28/73

Source: FEMA's Community Status Book Report¹; NSFHA (SEMA)

¹ www.fema.gov/cis/mo.html

Figure 4.4 Prioritization of Mitigation Actions		3 = Def YES 1 = Prob NO 2 = Maybe YES 0 = Def NO													
Action No.	Mitigation Actions	S	T	A	P	L	E	E	STAPLEE Total	Losses Avoided (2 pts. Each)	Benefit	Cost	B/C Total	Total	Priority
1.1.3 2.1	Provide annual training to local businesses and public entities on emergency planning and business continuity through local chambers of commerce and emergency management offices.	3	3	3	3	3	2	3	20	IC, PD, LF, EMCC	8	-1	7	27	H
1.1.4 1.2	Local Fire Departments and Emergency Management Director will provide CERT training and distribute information on the benefits of the CERT and VOAD programs.	3	3	3	3	3	2	3	20	IC, PD, LF, EMCC	8	-1	7	27	H
1.2.1 1.3	Obtain and update early warning systems and improved communication systems as funding allows.	3	2	2	3	3	2	3	18	IC, PD, LF, EMCC	8	-2	6	24	H
1.3.3 1.4	Complete road and bridge repairs/upgrades as funding allows to reduce flooding and the risk to residents and property.	3	3	2	3	3	2	3	19	IC, EMCC	4	-2	2	21	H
1.3.4 1.5	Establish warming and cooling centers where residents can go during extreme temperatures or power outages.	3	3	3	3	3	2	3	20	IC, PD, LF, EMCC	8	-1	7	27	H
1.3.6 1.6	Construct storm shelters and tornado safe rooms near areas of high population densities (schools and large employers as funding allows).	3	3	3	3	3	1	2	18	IC, LF, EMCC	8	-5	3	21	H
2.2.1 2.2	Distribute FEMA brochures and factsheets about the National Flood Insurance Program (NFIP) at public offices and community events.	3	3	3	3	3	3	3	21	IC, PD, LF, EMCC	8	-1	7	28	H
2.2.2 2.3	Continue to enforce flood damage prevention/floodplain management ordinances in compliance with NFIP requirements.	3	3	3	3	3	3	3	21	IC, PD, LF, EMCC	8	-1	7	28	H
3.1.1 2.4	Distribute SEMA brochures on natural hazards and preparedness at public facilities and events.	2	3	2	2	3	3	3	18	PD, EMCC	4	-2	2	20	H
3.3.2 2.5	Implement public awareness program about the benefits of adopted hazard mitigation projects, both public and private, through press releases, brochures, EMD website and social media including changes to mitigation policy to keep the public abreast of changes and/or new regulations.	1	2	2	2	3	3	3	16	IC, PD, LF, EMCC	8	-1	7	23	H
5.2.1 2.6	Purchase properties in the floodplain to convert land into public space/recreation areas as funds allow.	2	2	2	2	3	2	3	16	IC, PD, LF, EMCC	8	-3	5	21	H

Figure 4.4 Prioritization of Mitigation Actions		3 = Def YES		1 = Prob NO											
		2 = Maybe YES		0 = Def NO											
Action No.	Mitigation Actions	S	T	A	P	L	E	E	STAPLEE Total	Losses Avoided (2 pts. Each)	Benefit	Cost	B/C Total	Total	Priority
2.7	Elevate existing structures in the flood plain as funding allows.	3	3	2	3	3	3	2	19	IC, LF, PD EMCC	8	-5	3	22	H
6.1.3 3.1	Meet with state/local/federal agencies annually to discuss budgeting for mitigation projects, cost-share programs with property owners, including mitigation activities in all economic and community development projects, merge with other community planning and coordinate and integrate hazard mitigation activities, where appropriate, with emergency operations plans and procedures.	3	2	2	3	3	3	3	19	IC, PD, LF, EMCC	8	-1	7	26	H
3.2	Purchase generators for critical facilities in the planning area as funding allows.	3	3	3	3	3	3	3	21	IC, LF, EMCC	8	-3	5	26	H

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Washington County

Goal 1: Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the county.

Action 1.1.4 [1.1]: Local Fire Departments and Emergency Management Director will provide CERT training and distribute information on the benefits of the CERT and VOAD programs.

Action Worksheet	
Name of Jurisdiction:	Washington County
Risk / Vulnerability	
Problem being Mitigated:	Lack of CERT Teams and CERT training throughout the planning area.
Hazard(s) Addressed:	All hazards.
Action or Project	
Action/Project Number:	1.1.4
Name of Action or Project:	Provide CERT training and encourage the development of CERT teams.
Action or Project Description:	Local Fire Department and EMD will provide CERT training opportunities for local citizens with the purpose of developing CERT teams.
Applicable Goal Statement:	Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the county.
Estimated Cost:	\$2,500
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damages, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	County EMD, Local Fire Departments
Action/Project Priority:	27 – High Priority
Timeline for Completion:	On-going – five years
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOP
Progress Report	
Action Status	Revised – in progress
Report of Progress	There have been CERT teams in the County in the past, but none are currently active. This program will benefit from additional efforts on the part of the EMD to get local fire departments to host trainings and fostering of CERT teams.

Action 1.2.1 [1.2]: Obtain and update early warning systems and improved communication systems as funding allows.

Action Worksheet	
Name of Jurisdiction:	Washington County
Risk / Vulnerability	
Problem being Mitigated:	Risks and vulnerabilities associated with the need to improve warning and communications systems throughout the county.
Hazard(s) Addressed:	All Hazards
Action or Project	
Action/Project Number:	1.2.1 [1.2]
Name of Action or Project:	Improving early warning systems and improved communications systems.
Action or Project Description:	Obtain and update early warning systems and improved communication systems as funding allows.
Applicable Goal Statement:	Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the county.
Estimated Cost:	Unknown.
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damage, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	County Commission, EMD
Action/Project Priority:	24 – High Priority
Timeline for Completion:	On-going – five years
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOP
Progress Report	
Action Status	Revised and Continuing – in progress
Report of Progress	Washington County currently has the Nixle early warning system in place that is available to anyone who signs up. There are no outdoor tornado sirens owned by the county. The Nixle program would benefit from a public awareness and information program to make residents more aware of the warning system available to them. Tornado sirens in areas of the county with higher population density would also be beneficial.

Action 1.3.3 [1.3]: Complete road and bridge repairs/upgrades as funding allows to reduce flooding and the risk to residents and property.

Action Worksheet	
Name of Jurisdiction:	Washington County
Risk / Vulnerability	
Problem being Mitigated:	Risks/vulnerabilities associated with flooding and inadequate road/bridge structures and impacts on residents and their property.
Hazard(s) Addressed:	Flood, Earthquake
Action or Project	
Action/Project Number:	1.3.2 [1.3]
Name of Action or Project:	Complete road and bridge repairs/upgrades to reduce flooding
Action or Project Description:	Complete road and bridge upgrades to improve drainage and reduce flooding and the risk to residents and property.
Applicable Goal Statement:	Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the county.
Estimated Cost:	Unknown
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damages, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	County Commission, Road and Bridge Dept., local planners
Action/Project Priority:	21 – High Priority
Timeline for Completion:	On-going
Potential Fund Sources:	Grants, local general revenue funds, private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard mitigation plan, LEOP, floodplain ordinance, road and bridge budget, county road and bridge specifications
Progress Report	
Action Status	Revised, Continuing - in progress
Report of Progress	Washington County has completed the following projects in the past five years to reduce impacts from flooding: Richwoods area bridge upgrade; Dart Road bridge upgrade; Gorgia Holler bridge upgrade; Goose Creek bridge upgrade; two bridges upgraded on Delbridge Road; Furnace Creek Road bridge upgrade; and Sunlight Road bridge upgrade. The county has also been replacing slab over culvert low water crossings with box culverts. The county would like to replace a bridge in the Mineral Point area that causes major transportation issues when it is flooded. The county maintains a list of high priority projects that will be completed as funding becomes available.

Action 1.3.4 [1.4]: Establish warming and cooling centers where residents can go during extreme temperatures or power outages.

Action Worksheet	
Name of Jurisdiction:	Washington County
Risk / Vulnerability	
Problem being Mitigated:	Risks/vulnerabilities associated with lack warming and cooling centers during times of extreme temperatures, and power outages
Hazard(s) Addressed:	Severe Weather, Winter Storms, Extreme Temperatures
Action or Project	
Action/Project Number:	1.3.4 [1.4]
Name of Action or Project:	Establish and maintain designated warming and cooling centers.
Action or Project Description:	Establish designated warming and cooling centers for residents to be used during extreme temperatures or power outages.
Applicable Goal Statement:	Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the county.
Estimated Cost:	\$2,500
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	County EMD
Action/Project Priority:	27 –High Priority
Timeline for Completion:	On-going - 2 years
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOPs
Progress Report	
Action Status	Revised, Continuing – in progress
Report of Progress	Shelters have been established in some areas, but as needs change it may be necessary to adjust the list of cooling/heating centers or increase the number of facilities that can be used for this purpose.

Action 1.3.6 [1.5]: Construct storm shelters and tornado safe rooms near areas of high population densities (schools and large employers) as funding allows.

Action Worksheet	
Name of Jurisdiction:	Washington County
Risk / Vulnerability	
Problem being Mitigated:	Risks/vulnerabilities associated with lack of storm shelters and tornado safe rooms.
Hazard(s) Addressed:	Severe storms/Tornados
Action or Project	
Action/Project Number:	1.3.6 [1.5]
Name of Action or Project:	Construct storm shelters and tornado safe rooms near areas of high population densities.
Action or Project Description:	Construct storm shelters and tornado safe rooms near areas of high population densities (schools and large employers) as funding allows.
Applicable Goal Statement:	Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the county.
Estimated Cost:	Unknown
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, loss-of-function/displacement impacts and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	County EMD, County Commission
Action/Project Priority:	22 –High Priority
Timeline for Completion:	On-going – five to ten years
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOP
Progress Report	
Action Status	Revised, Continuing – in progress
Report of Progress	Kingston K-14 school district and Valley-IV School District both have certified tornado shelters. The county is currently applying for grant funds to build a FEMA certified tornado safe room in the Potosi industrial Park. The program would benefit from additional shelters in areas of the county where there is a high population density.

Action 3.1.1 [1.6]: Distribute SEMA brochures on natural hazards and preparedness at public facilities and events.

Action Worksheet	
Name of Jurisdiction:	Washington County
Risk / Vulnerability	
Problem being Mitigated:	Risks/vulnerabilities associated with lack of awareness of emergency management and best practices during hazardous events.
Hazard(s) Addressed:	All Hazards
Action or Project	
Action/Project Number:	3.1.1 [1.6]
Name of Action or Project:	Distribute SEMA brochures on natural hazards and preparedness at public facilities and events.
Action or Project Description:	Provide information by distributing SEMA brochures and press releases on types of hazards, best practices during a disaster (Ready in 3) and other informational documents.
Applicable Goal Statement:	Promote education, outreach, research and development programs to improve the knowledge and awareness among the citizens and industry about hazards they may face, their vulnerability to identified hazards, and hazard mitigation alternatives that can reduce their vulnerabilities
Estimated Cost:	\$1,500
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damages, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	City EMD, local emergency response agencies, county health department
Action/Project Priority:	20 – High Priority
Timeline for Completion:	On-going
Potential Fund Sources:	Local general revenue funds, private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOP
Progress Report	
Action Status	Continuing in Progress
Report of Progress	The health department and some local emergency response agencies regularly distribute emergency related brochures and information at local events. The information is also made available through social media. The county EMD and health department also distribute press releases on hazards and how to prepare for them.

Goal 2: Reduce the potential impact of natural disasters to property, infrastructure and the local economy.

Action 1.1.3 [2.1]: Provide annual training to local businesses and public entities on emergency planning and business continuity through local chambers of commerce and emergency management offices.

Name of Jurisdiction:	Washington County
Problem being Mitigated:	Absence of emergency plans by businesses.
Hazard(s) Addressed:	All Hazards
Action/Project Number:	1.1.3 [New Number 2.1]
Name of Action or Project:	Training for Local Business and Public Entities on Emergency Planning and Business Continuity Planning
Action or Project Description:	Provide training on developing emergency plans and continuity plans for local businesses and public entities through cooperation with local chambers of commerce and emergency management offices.
Applicable Goal Statement:	Reduce the potential impact of natural disasters to property, infrastructure and the local economy.
Estimated Cost:	\$4,500 - \$5,500
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damages, loss of function/displacement impacts, and emergency management costs/community costs.
Responsible Organization/Department:	EMD
Action/Project Priority:	27 – High Priority
Timeline for Completion:	1 – 5 years
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard mitigation plan, Meramec Region Community Economic Development Strategy (CEDS) – includes Chapter 8 – Economic Recovery and Resiliency Strategy
Progress Report	
Action Status	Revised – not started
Report of Progress	

Action 2.2.1 [2.2]: Distribute FEMA brochures and factsheets about the National Flood Insurance Program (NFIP) at public offices and community events.

Action Worksheet	
Name of Jurisdiction:	Washington County
Risk / Vulnerability	
Problem being Mitigated:	Risks/vulnerabilities associated with the general public not being aware of the dangers of floodplain development and benefits of the NFIP.
Hazard(s) Addressed:	Flooding
Action or Project	
Action/Project Number:	2.2.1 [2.2]
Name of Action or Project:	Floodplain education/awareness program
Action or Project Description:	Distribute FEMA brochures and factsheets about the National Flood Insurance Program (NFIP) at public offices and community events in order to educate residents about the dangers of floodplain development and the benefits of the NFIP.
Applicable Goal Statement:	Reduce the potential impact of natural disasters to property, infrastructure and the local economy.
Estimated Cost:	\$100 - \$200
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damage, loss of function/displacement impacts and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	Floodplain Manager
Action/Project Priority:	28 –High Priority
Timeline for Completion:	On-going – six months – one year
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOP, Floodplain Ordinance
Progress Report	
Action Status	Revised, Continuing – in progress
Report of Progress	The county floodplain manager distributes brochures, press releases and information on floodplain management and development requirements. Information is also available through social media.

Action 2.2.2 [2.3]: Continue to enforce flood damage prevention/floodplain management ordinances in compliance with NFIP requirements.

Action Worksheet	
Name of Jurisdiction:	Washington County
Risk / Vulnerability	
Problem being Mitigated:	Risks/vulnerabilities associated with noncompliance with NFIP rules and county floodplain ordinance.
Hazard(s) Addressed:	Flooding
Action or Project	
Action/Project Number:	2.2.2 [2.3]
Name of Action or Project:	Enforcement of floodplain ordinance.
Action or Project Description:	Continue to enforce flood damage prevention/floodplain management ordinances in compliance with NFIP requirements.
Applicable Goal Statement:	Reduce the potential impact of natural disaster to property, infrastructure and the local economy.
Estimated Cost:	\$2,500 – \$10,000
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damages, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	County Commission, County Floodplain Manager
Action/Project Priority:	28 –High Priority
Timeline for Completion:	On-going
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	County Budget, Hazard Mitigation Plan, Floodplain Ordinance
Progress Report	
Action Status	Continuing –in progress
Report of Progress	The County floodplain manager enforces the floodplain ordinance.

Action 3.3.2 [2.4]: Implement public awareness program about the benefits of adopted hazard mitigation projects, both public and private, through press releases, brochures, EMD website and social media including changes to mitigation policy to keep the public abreast of changes and/or new regulations.

Action Worksheet	
Name of Jurisdiction:	Washington County
Risk / Vulnerability	
Problem being Mitigated:	Risks/vulnerabilities associated with the public's lack of knowledge in regards to hazard mitigation and the benefits of adopting mitigation measures.
Hazard(s) Addressed:	All Hazards
Action or Project	
Action/Project Number:	3.3.2 [2.4]
Name of Action or Project:	Hazard mitigation education/awareness program
Action or Project Description:	Implement public awareness program about the benefits of adopted hazard mitigation projects, both public and private, through press releases, brochures, EMD website and social media including changes to mitigation policy to keep the public abreast of changes and/or new regulations.
Applicable Goal Statement:	Reduce the potential impact of natural disasters to property, infrastructure and the local economy.
Estimated Cost:	\$1,000-\$2,000
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damages, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	County EMD, County Commission
Action/Project Priority:	23 –High Priority
Timeline for Completion:	On-going
Potential Fund Sources:	Grants, local general revenue funds, private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOP, Floodplain Ordinance
Progress Report	
Action Status	Continuing in progress
Report of Progress	The county regularly does press releases on road and bridge upgrades/replacements. This program would benefit from a more focused approach to raising awareness through additional information sharing.

Action 5.2.1 [2.5]: Purchase properties in the floodplain to convert land into public space/recreation areas as funds allow.

Action Worksheet	
Name of Jurisdiction:	Washington County
Risk / Vulnerability	
Problem being Mitigated:	Risks/vulnerabilities to property and communities in areas that do not possess adequate storm water management plans.
Hazard(s) Addressed:	Flooding
Action or Project	
Action/Project Number:	5.2.1 [2.5]
Name of Action or Project:	Floodplain buyouts.
Action or Project Description:	Purchase properties in the floodplain to convert land into public space/recreation areas as funds allow.
Applicable Goal Statement:	Reduce the potential impact of natural disasters to property, infrastructure and the local economy.
Estimated Cost:	Unknown
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damages, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	County Commission, Floodplain Manager, Local Planners
Action/Project Priority:	24– High Priority
Timeline for Completion:	On-going
Potential Fund Sources:	Grants, local general revenue funds, private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, Floodplain Ordinance
Progress Report	
Action Status	Continuing - Not Started
Report of Progress	There has been no progress in this area in Washington County.

Action 2.6: Elevate existing structures in the floodplain as funding allows.

Action Worksheet	
Name of Jurisdiction:	Washington County
Risk / Vulnerability	
Problem being Mitigated:	Risks/vulnerabilities of properties in the floodplain during a flood event.
Hazard(s) Addressed:	Flood
Action or Project	
Action/Project Number:	2.6
Name of Action or Project:	Elevation of structures in the floodplain.
Action or Project Description:	Elevate existing structures in the floodplain as funding allows.
Applicable Goal Statement:	Reduce the potential impact of natural disasters to property, infrastructure and the local economy.
Estimated Cost:	Unknown
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damages, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	Floodplain Manager, Washington County Commission
Action/Project Priority:	22 – High Priority
Timeline for Completion:	On-going
Potential Fund Sources:	Grants, local general revenue funds, private donations of cash, goods, or services
Local Planning Mechanisms to be Used in Implementation, if any:	Floodplain Management Ordinance, Hazard Mitigation Plan
Progress Report	
Action Status	New – No progress
Report of Progress	No progress at this time. New action item.

Goal 3: Reduce the potential impact of natural disaster on the continuity of government and essential services.

Action 6.1.3 [3.1]: Meet with state/local/federal agencies annually to discuss budgeting for mitigation projects, cost-share programs with property owners, including mitigation activities in all economic and community development projects, merge with other community planning and coordinate and integrate hazard mitigation activities, where appropriate, with emergency operations plans and procedures.

Action Worksheet	
Name of Jurisdiction:	Washington County
Risk / Vulnerability	
Problem being Mitigated:	Lack of synergy/communication/coordination of mitigation in public/private partnerships, community development projects and integration of mitigation actions into other plans and economic and community development projects.
Hazard(s) Addressed:	All Hazards
Action or Project	
Action/Project Number:	6.1.3 [3.1]
Name of Action or Project:	Meetings on hazard mitigation with local/state/federal agencies to discuss mitigation projects, planning and cost-share programs.
Action or Project Description:	Hold annual meetings local/state/federal officials to discuss budgeting for mitigation projects, cost-share programs with property owners, including mitigation activities in all economic and community development projects, merge with other community planning and coordinate and integrate hazard mitigation activities, where appropriate, with emergency operations plans and procedures.
Applicable Goal Statement:	Reduce the potential impact of natural disaster on the continuity of government and essential services.
Estimated Cost:	\$0
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damages, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	County EMD, County Commission, SEMA Area Coordinator
Action/Project Priority:	28 - H
Timeline for Completion:	On-going - annually
Potential Fund Sources:	N/A
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOP, Economic Development plans
Progress Report	
Action Status	Continuing - Ongoing
Report of Progress	The Region C SEMA area coordinator holds quarterly meetings in the region and discussions include a variety of topics, including mitigation. MRPC has provided information and presentations on mitigation at regular board meetings that included representatives from Washington County and its jurisdictions. Due to changes in elected officials, this is an ongoing activity.

Action 3.2: Purchase generators for critical facilities in the planning area as funding allows.

Action Worksheet	
Name of Jurisdiction:	Washington County
Risk / Vulnerability	
Problem being Mitigated:	Risks/vulnerabilities associated with power outages for critical infrastructure/facilities
Hazard(s) Addressed:	All Hazards
Action or Project	
Action/Project Number:	3.2
Name of Action or Project:	Purchase generators for critical facilities.
Action or Project Description:	Purchase generators for critical facilities in the planning area as funding allows.
Applicable Goal Statement:	Reduce the potential impact of natural disaster on the continuity of government and essential services.
Estimated Cost:	\$5,000 - \$100,000
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damages, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	County EMD, County Commission
Action/Project Priority:	26 – High Priority
Timeline for Completion:	On-going – five years
Potential Fund Sources:	Grants, local general revenue funds, private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	LEOP, Hazard Mitigation Plan
Progress Report	
Action Status	New – On-going
Report of Progress	Washington County currently has one fixed generator and five portable generators.

Caledonia

Goal 1: Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the county.

Action 1.1.4 [1.1]: Local Fire Departments and Emergency Management Director will provide CERT training and distribute information on the benefits of the CERT and VOAD programs.

Action Worksheet	
Name of Jurisdiction:	Caledonia
Risk / Vulnerability	
Problem being Mitigated:	Lack of CERT Teams and CERT training throughout the planning area.
Hazard(s) Addressed:	All hazards.
Action or Project	
Action/Project Number:	1.1.4
Name of Action or Project:	Provide CERT training and encourage the development of CERT teams.
Action or Project Description:	Local Fire Department and EMD will provide CERT training opportunities for local citizens with the purpose of developing CERT teams.
Applicable Goal Statement:	Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the county.
Estimated Cost:	\$2,500
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damages, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	EMD, Local Fire Departments
Action/Project Priority:	27 – High Priority
Timeline for Completion:	On-going – five years
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOP
Progress Report	
Action Status	Revised – in progress
Report of Progress	There have been CERT teams in the past, but none are currently active. This program will benefit from additional efforts on the part of the EMD to get local fire departments to host trainings and fostering of CERT teams.

Action 1.2.1 [1.2]: Obtain and update early warning systems and improved communication systems as funding allows.

Action Worksheet	
Name of Jurisdiction:	Caledonia
Risk / Vulnerability	
Problem being Mitigated:	Risks and vulnerabilities associated with the need to improve warning and communications systems throughout the county.
Hazard(s) Addressed:	All Hazards
Action or Project	
Action/Project Number:	1.2.1 [1.2]
Name of Action or Project:	Improving early warning systems and improved communications systems.
Action or Project Description:	Obtain and update early warning systems and improved communication systems as funding allows.
Applicable Goal Statement:	Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the county.
Estimated Cost:	Unknown.
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damage, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	EMD
Action/Project Priority:	24 – High Priority
Timeline for Completion:	On-going – five years
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOP
Progress Report	
Action Status	Revised and Continuing – in progress
Report of Progress	Caledonia currently has the Nixle early warning system available to anyone who signs up. There are no outdoor tornado sirens owned by the county. The Nixle program would benefit from a public awareness and information program to make residents more aware of the warning system available to them. Caledonia has one outdoor tornado siren.

Action 1.3.3 [1.3]: Complete road and bridge repairs/upgrades as funding allows to reduce flooding and the risk to residents and property.

Action Worksheet	
Name of Jurisdiction:	Caledonia
Risk / Vulnerability	
Problem being Mitigated:	Risks/vulnerabilities associated with flooding and inadequate road/bridge structures and impacts on residents and their property.
Hazard(s) Addressed:	Flood, Earthquake
Action or Project	
Action/Project Number:	1.3.2 [1.3]
Name of Action or Project:	Complete road and bridge repairs/upgrades to reduce flooding
Action or Project Description:	Complete road and bridge upgrades to improve drainage and reduce flooding and the risk to residents and property.
Applicable Goal Statement:	Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the county.
Estimated Cost:	Unknown
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damages, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	Board of Trustees, local planners
Action/Project Priority:	21 – High Priority
Timeline for Completion:	On-going
Potential Fund Sources:	Grants, local general revenue funds, private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard mitigation plan, LEOP, floodplain ordinance, road and bridge budget, county road and bridge specifications
Progress Report	
Action Status	Revised, Continuing - no progress
Report of Progress	Caledonia has completed not completed projects in the past five years to reduce impacts from flooding.

Action 1.3.4 [1.4]: Establish warming and cooling centers where residents can go during extreme temperatures or power outages.

Action Worksheet	
Name of Jurisdiction:	Caledonia
Risk / Vulnerability	
Problem being Mitigated:	Risks/vulnerabilities associated with lack warming and cooling centers during times of extreme temperatures and power outages
Hazard(s) Addressed:	Severe Weather, Winter Storms, Extreme Temperatures
Action or Project	
Action/Project Number:	1.3.4 [1.4]
Name of Action or Project:	Establish and maintain designated warming and cooling centers.
Action or Project Description:	Establish designated warming and cooling centers for residents to be used during extreme temperatures or power outages.
Applicable Goal Statement:	Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the county.
Estimated Cost:	\$2,500
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	EMD, Board of Trustees
Action/Project Priority:	27 –High Priority
Timeline for Completion:	2 years
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOPs
Progress Report	
Action Status	Revised, Continuing – no progress
Report of Progress	Caledonia currently has no designated cooling or warming centers.

Action 1.3.6 [1.5]: Construct storm shelters and tornado safe rooms near areas of high population densities (schools and large employers) as funding allows.

Action Worksheet	
Name of Jurisdiction:	Caledonia
Risk / Vulnerability	
Problem being Mitigated:	Risks/vulnerabilities associated with lack of storm shelters and tornado safe rooms.
Hazard(s) Addressed:	Severe storms/Tornados
Action or Project	
Action/Project Number:	1.3.6 [1.5]
Name of Action or Project:	Construct storm shelters and tornado safe rooms near areas of high population densities.
Action or Project Description:	Construct storm shelters and tornado safe rooms near areas of high population densities (schools and large employers) as funding allows.
Applicable Goal Statement:	Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the county.
Estimated Cost:	Unknown
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, loss-of-function/displacement impacts and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	EMD, Board of Trustees
Action/Project Priority:	22 –High Priority
Timeline for Completion:	On-going – five to ten years
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOP
Progress Report	
Action Status	Revised, Continuing – in progress
Report of Progress	Valley-IV School District, the largest employer in Caledonia, has a certified tornado shelter.

Action 3.1.1 [1.6]: Distribute SEMA brochures on natural hazards and preparedness at public facilities and events.

Action Worksheet	
Name of Jurisdiction:	Caledonia
Risk / Vulnerability	
Problem being Mitigated:	Risks/vulnerabilities associated with lack of awareness of emergency management and best practices during hazardous events.
Hazard(s) Addressed:	All Hazards
Action or Project	
Action/Project Number:	3.1.1 [1.6]
Name of Action or Project:	Distribute SEMA brochures on natural hazards and preparedness at public facilities and events.
Action or Project Description:	Provide information by distributing SEMA brochures and press releases on types of hazards, best practices during a disaster (Ready in 3) and other informational documents.
Applicable Goal Statement:	Promote education, outreach, research and development programs to improve the knowledge and awareness among the citizens and industry about hazards they may face, their vulnerability to identified hazards, and hazard mitigation alternatives that can reduce their vulnerabilities
Estimated Cost:	\$1,500
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damages, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	EMD, local emergency response agencies, county health department
Action/Project Priority:	20 – High Priority
Timeline for Completion:	On-going – six months
Potential Fund Sources:	Local general revenue funds, private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOP
Progress Report	
Action Status	Continuing in Progress
Report of Progress	The health department and some local emergency response agencies regularly distribute emergency related brochures and information at local events. The information is also made available through social media. The county EMD and health department also distribute press releases on hazards and how to prepare for them.

Goal 2: Reduce the potential impact of natural disasters to property, infrastructure and the local economy.

Action 1.1.3 [2.1]: Provide annual training to local businesses and public entities on emergency planning and business continuity through local chambers of commerce and emergency management offices.

Name of Jurisdiction:	Caledonia
Problem being Mitigated:	Absence of emergency plans by businesses.
Hazard(s) Addressed:	All Hazards
Action/Project Number:	1.1.3 [New Number 2.1]
Name of Action or Project:	Training for Local Business and Public Entities on Emergency Planning and Business Continuity Planning
Action or Project Description:	Provide training on developing emergency plans and continuity plans for local businesses and public entities through cooperation with local chambers of commerce and emergency management offices.
Applicable Goal Statement:	Reduce the potential impact of natural disasters to property, infrastructure and the local economy.
Estimated Cost:	\$4,500 - \$5,500
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damages, loss of function/displacement impacts, and emergency management costs/community costs.
Responsible Organization/Department:	EMD
Action/Project Priority:	27 – High Priority
Timeline for Completion:	1 – 5 years
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard mitigation plan, Meramec Region Community Economic Development Strategy (CEDS) – includes Chapter 8 – Economic Recovery and Resiliency Strategy
Progress Report	
Action Status	Revised – not started
Report of Progress	

Action 2.2.1 [2.2]: Distribute FEMA brochures and factsheets about the National Flood Insurance Program (NFIP) at public offices and community events.

Action Worksheet	
Name of Jurisdiction:	Caledonia
Risk / Vulnerability	
Problem being Mitigated:	Risks/vulnerabilities associated with the general public not being aware of the dangers of floodplain development and benefits of the NFIP.
Hazard(s) Addressed:	Flooding
Action or Project	
Action/Project Number:	2.2.1 [2.2]
Name of Action or Project:	Floodplain education/awareness program
Action or Project Description:	Distribute FEMA brochures and factsheets about the National Flood Insurance Program (NFIP) at public offices and community events in order to educate residents about the dangers of floodplain development and the benefits of the NFIP.
Applicable Goal Statement:	Reduce the potential impact of natural disasters to property, infrastructure and the local economy.
Estimated Cost:	\$100 - \$200
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damage, loss of function/displacement impacts and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	Floodplain Manager
Action/Project Priority:	28 –High Priority
Timeline for Completion:	On-going – six months – one year
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOP, Floodplain Ordinance
Progress Report	
Action Status	Revised, Continuing – in progress
Report of Progress	The floodplain manager distributes information on floodplain management and development requirements.

Action 2.2.2 [2.3]: Continue to enforce flood damage prevention/floodplain management ordinances in compliance with NFIP requirements.

Action Worksheet	
Name of Jurisdiction:	Caledonia
Risk / Vulnerability	
Problem being Mitigated:	Risks/vulnerabilities associated with noncompliance with NFIP rules and county floodplain ordinance.
Hazard(s) Addressed:	Flooding
Action or Project	
Action/Project Number:	2.2.2 [2.3]
Name of Action or Project:	Enforcement of floodplain ordinance.
Action or Project Description:	Continue to enforce flood damage prevention/floodplain management ordinances in compliance with NFIP requirements.
Applicable Goal Statement:	Reduce the potential impact of natural disaster to property, infrastructure and the local economy.
Estimated Cost:	\$2,500 – \$10,000
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damages, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	Board of Trustees, Floodplain Manager
Action/Project Priority:	28 –High Priority
Timeline for Completion:	On-going
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	City Budget, Hazard Mitigation Plan, Floodplain Ordinance
Progress Report	
Action Status	Continuing –in progress
Report of Progress	The city floodplain manager enforces the floodplain ordinance.

Action 3.3.2 [2.4]: Implement public awareness program about the benefits of adopted hazard mitigation projects, both public and private, through press releases, brochures, EMD website and social media including changes to mitigation policy to keep the public abreast of changes and/or new regulations.

Action Worksheet	
Name of Jurisdiction:	Caledonia
Risk / Vulnerability	
Problem being Mitigated:	Risks/vulnerabilities associated with the public's lack of knowledge in regards to hazard mitigation and the benefits of adopting mitigation measures.
Hazard(s) Addressed:	All Hazards
Action or Project	
Action/Project Number:	3.3.2 [2.4]
Name of Action or Project:	Hazard mitigation education/awareness program
Action or Project Description:	Implement public awareness program about the benefits of adopted hazard mitigation projects, both public and private, through press releases, brochures, EMD website and social media including changes to mitigation policy to keep the public abreast of changes and/or new regulations.
Applicable Goal Statement:	Reduce the potential impact of natural disasters to property, infrastructure and the local economy.
Estimated Cost:	\$1,000-\$2,000
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damages, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	EMD, Board of Trustees
Action/Project Priority:	23 –High Priority
Timeline for Completion:	On-going – six months – one year
Potential Fund Sources:	Grants, local general revenue funds, private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOP, Floodplain Ordinance
Progress Report	
Action Status	Continuing in progress
Report of Progress	The city does press releases on any projects being done in the community. This program would benefit from a more focused approach to raising awareness through additional information sharing.

Action 5.2.1 [2.5]: Purchase properties in the floodplain to convert land into public space/recreation areas as funds allow.

Action Worksheet	
Name of Jurisdiction:	Caledonia
Risk / Vulnerability	
Problem being Mitigated:	Risks/vulnerabilities to property and communities in areas that do not possess adequate storm water management plans.
Hazard(s) Addressed:	Flooding
Action or Project	
Action/Project Number:	5.2.1 [2.5]
Name of Action or Project:	Floodplain buyouts.
Action or Project Description:	Purchase properties in the floodplain to convert land into public space/recreation areas as funds allow.
Applicable Goal Statement:	Reduce the potential impact of natural disasters to property, infrastructure and the local economy.
Estimated Cost:	Unknown
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damages, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	Board of Trustees, Floodplain Manager, Local Planners
Action/Project Priority:	24– High Priority
Timeline for Completion:	On-going
Potential Fund Sources:	Grants, local general revenue funds, private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, Floodplain Ordinance
Progress Report	
Action Status	Continuing - Not Started
Report of Progress	There has been no progress in this area in Caledonia.

Action 2.6: Elevate existing structures in the floodplain as funding allows.

Action Worksheet	
Name of Jurisdiction:	Caledonia
Risk / Vulnerability	
Problem being Mitigated:	Risks/vulnerabilities of properties in the floodplain during a flood event.
Hazard(s) Addressed:	Flood
Action or Project	
Action/Project Number:	2.6
Name of Action or Project:	Elevation of structures in the floodplain.
Action or Project Description:	Elevate existing structures in the floodplain as funding allows.
Applicable Goal Statement:	Reduce the potential impact of natural disasters to property, infrastructure and the local economy.
Estimated Cost:	Unknown
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damages, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	Floodplain Manager, Board of Trustees
Action/Project Priority:	22 – High Priority
Timeline for Completion:	On-going
Potential Fund Sources:	Grants, local general revenue funds, private donations of cash, goods, or services
Local Planning Mechanisms to be Used in Implementation, if any:	Floodplain Management Ordinance, Hazard Mitigation Plan
Progress Report	
Action Status	New – No progress
Report of Progress	No progress at this time. New action item.

Goal 3: Reduce the potential impact of natural disaster on the continuity of government and essential services.

Action 6.1.3 [3.1]: Meet with state/local/federal agencies annually to discuss budgeting for mitigation projects, cost-share programs with property owners, including mitigation activities in all economic and community development projects, merge with other community planning and coordinate and integrate hazard mitigation activities, where appropriate, with emergency operations plans and procedures.

Action Worksheet	
Name of Jurisdiction:	Caledonia
Risk / Vulnerability	
Problem being Mitigated:	Lack of synergy/communication/coordination of mitigation in public/private partnerships, community development projects and integration of mitigation actions into other plans and economic and community development projects.
Hazard(s) Addressed:	All Hazards
Action or Project	
Action/Project Number:	6.1.3 [3.1]
Name of Action or Project:	Meetings on hazard mitigation with local/state/federal agencies to discuss mitigation projects, planning and cost-share programs.
Action or Project Description:	Hold annual meetings local/state/federal officials to discuss budgeting for mitigation projects, cost-share programs with property owners, including mitigation activities in all economic and community development projects, merge with other community planning and coordinate and integrate hazard mitigation activities, where appropriate, with emergency operations plans and procedures.
Applicable Goal Statement:	Reduce the potential impact of natural disaster on the continuity of government and essential services.
Estimated Cost:	\$0
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damages, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	EMD, Board of Trustees, Mayor, SEMA Area Coordinator
Action/Project Priority:	28 - H
Timeline for Completion:	On-going - Annually
Potential Fund Sources:	N/A
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOP, Economic Development plans
Progress Report	
Action Status	Continuing - Ongoing
Report of Progress	The Region C SEMA area coordinator holds quarterly meetings in the region and discussions include a variety of topics, including mitigation. MRPC has provided information and presentations on mitigation at regular board meetings that included representatives from Washington County and its jurisdictions. Due to changes in elected officials, this is an ongoing activity.

Action 3.2: Purchase generators for critical facilities in the planning area as funding allows.

Action Worksheet	
Name of Jurisdiction:	Caledonia
Risk / Vulnerability	
Problem being Mitigated:	Risks/vulnerabilities associated with power outages for critical infrastructure/facilities
Hazard(s) Addressed:	All Hazards
Action or Project	
Action/Project Number:	3.2
Name of Action or Project:	Purchase generators for critical facilities.
Action or Project Description:	Purchase generators for critical facilities in the planning area as funding allows.
Applicable Goal Statement:	Reduce the potential impact of natural disaster on the continuity of government and essential services.
Estimated Cost:	\$5,000 - \$100,000
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damages, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	EMD, Board of Trustees
Action/Project Priority:	26 – High Priority
Timeline for Completion:	On-going – five years
Potential Fund Sources:	Grants, local general revenue funds, private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	LEOP, Hazard Mitigation Plan
Progress Report	
Action Status	New – On-going
Report of Progress	Caledonia currently has two portable generators.

Irondale

Goal 1: Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the county.

Action 1.1.4 [1.1]: Local Fire Departments and Emergency Management Director will provide CERT training and distribute information on the benefits of the CERT and VOAD programs.

Action Worksheet	
Name of Jurisdiction:	Irondale
Risk / Vulnerability	
Problem being Mitigated:	Lack of CERT Teams and CERT training throughout the planning area.
Hazard(s) Addressed:	All hazards.
Action or Project	
Action/Project Number:	1.1.4
Name of Action or Project:	Provide CERT training and encourage the development of CERT teams.
Action or Project Description:	Local Fire Department and EMD will provide CERT training opportunities for local citizens with the purpose of developing CERT teams.
Applicable Goal Statement:	Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the county.
Estimated Cost:	\$2,500
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damages, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	EMD, Local Fire Departments
Action/Project Priority:	27 – High Priority
Timeline for Completion:	On-going – one - five years
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOP
Progress Report	
Action Status	Revised – in progress
Report of Progress	There have been CERT teams in the past, but none are currently active. This program will benefit from additional efforts on the part of the EMD to get local fire departments to host trainings and fostering of CERT teams.

Action 1.2.1 [1.2]: Obtain and update early warning systems and improved communication systems as funding allows.

Action Worksheet	
Name of Jurisdiction:	Irondale
Risk / Vulnerability	
Problem being Mitigated:	Risks and vulnerabilities associated with the need to improve warning and communications systems throughout the county.
Hazard(s) Addressed:	All Hazards
Action or Project	
Action/Project Number:	1.2.1 [1.2]
Name of Action or Project:	Improving early warning systems and improved communications systems.
Action or Project Description:	Obtain and update early warning systems and improved communication systems as funding allows.
Applicable Goal Statement:	Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the county.
Estimated Cost:	Unknown.
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damage, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	EMD
Action/Project Priority:	24 – High Priority
Timeline for Completion:	On-going – five years
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOP
Progress Report	
Action Status	Revised and Continuing – in progress
Report of Progress	Irondale currently has access to the Nixle early warning system available to anyone who signs up. There are no outdoor sirens in Irondale. The Nixle program would benefit from a public awareness and information program to make residents more aware of the warning system available to them.

Action 1.3.3 [1.3]: Complete road and bridge repairs/upgrades as funding allows to reduce flooding and the risk to residents and property.

Action Worksheet	
Name of Jurisdiction:	Irondale
Risk / Vulnerability	
Problem being Mitigated:	Risks/vulnerabilities associated with flooding and inadequate road/bridge structures and impacts on residents and their property.
Hazard(s) Addressed:	Flood, Earthquake
Action or Project	
Action/Project Number:	1.3.2 [1.3]
Name of Action or Project:	Complete road and bridge repairs/upgrades to reduce flooding
Action or Project Description:	Complete road and bridge upgrades to improve drainage and reduce flooding and the risk to residents and property.
Applicable Goal Statement:	Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the county.
Estimated Cost:	Unknown
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damages, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	Board of Aldermen, local planners
Action/Project Priority:	21 – High Priority
Timeline for Completion:	On-going
Potential Fund Sources:	Grants, local general revenue funds, private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard mitigation plan, LEOP, floodplain ordinance, road and bridge budget, county road and bridge specifications
Progress Report	
Action Status	Revised, Continuing - no progress
Report of Progress	Irondale has completed not completed projects in the past five years to reduce impacts from flooding.

Action 1.3.4 [1.4]: Establish warming and cooling centers where residents can go during extreme temperatures or power outages.

Action Worksheet	
Name of Jurisdiction:	Irondale
Risk / Vulnerability	
Problem being Mitigated:	Risks/vulnerabilities associated with lack warming and cooling centers during times of extreme temperatures and power outages
Hazard(s) Addressed:	Severe Weather, Winter Storms, Extreme Temperatures
Action or Project	
Action/Project Number:	1.3.4 [1.4]
Name of Action or Project:	Establish and maintain designated warming and cooling centers.
Action or Project Description:	Establish designated warming and cooling centers for residents to be used during extreme temperatures or power outages.
Applicable Goal Statement:	Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the county.
Estimated Cost:	\$2,500
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	EMD, Board of Aldermen
Action/Project Priority:	27 –High Priority
Timeline for Completion:	2 years
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOPs
Progress Report	
Action Status	Revised, Continuing – no progress
Report of Progress	Irondale currently has no designated cooling or warming centers.

Action 1.3.6 [1.5]: Construct storm shelters and tornado safe rooms near areas of high population densities (schools and large employers) as funding allows.

Action Worksheet	
Name of Jurisdiction:	Irondale
Risk / Vulnerability	
Problem being Mitigated:	Risks/vulnerabilities associated with lack of storm shelters and tornado safe rooms.
Hazard(s) Addressed:	Severe storms/Tornados
Action or Project	
Action/Project Number:	1.3.6 [1.5]
Name of Action or Project:	Construct storm shelters and tornado safe rooms near areas of high population densities.
Action or Project Description:	Construct storm shelters and tornado safe rooms near areas of high population densities (schools and large employers) as funding allows.
Applicable Goal Statement:	Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the county.
Estimated Cost:	Unknown
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, loss-of-function/displacement impacts and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	EMD, Board of Aldermen
Action/Project Priority:	22 –High Priority
Timeline for Completion:	On-going – five – ten years
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOP
Progress Report	
Action Status	Revised, Continuing – in progress
Report of Progress	There are no certified tornado storm shelters in the Irondale area.

Action 3.1.1 [1.6]: Distribute SEMA brochures on natural hazards and preparedness at public facilities and events.

Action Worksheet	
Name of Jurisdiction:	Irondale
Risk / Vulnerability	
Problem being Mitigated:	Risks/vulnerabilities associated with lack of awareness of emergency management and best practices during hazardous events.
Hazard(s) Addressed:	All Hazards
Action or Project	
Action/Project Number:	3.1.1 [1.6]
Name of Action or Project:	Distribute SEMA brochures on natural hazards and preparedness at public facilities and events.
Action or Project Description:	Provide information by distributing SEMA brochures and press releases on types of hazards, best practices during a disaster (Ready in 3) and other informational documents.
Applicable Goal Statement:	Promote education, outreach, research and development programs to improve the knowledge and awareness among the citizens and industry about hazards they may face, their vulnerability to identified hazards, and hazard mitigation alternatives that can reduce their vulnerabilities
Estimated Cost:	\$1,500
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damages, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	EMD, local emergency response agencies, county health department
Action/Project Priority:	20 – High Priority
Timeline for Completion:	On-going – six months – one year
Potential Fund Sources:	Local general revenue funds, private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOP
Progress Report	
Action Status	Continuing in Progress
Report of Progress	The health department and some local emergency response agencies regularly distribute emergency related brochures and information at local events. The county EMD and health department also distribute press releases on hazards and how to prepare for them.

Goal 2: Reduce the potential impact of natural disasters to property, infrastructure and the local economy.

Action 1.1.3 [2.1]: Provide annual training to local businesses and public entities on emergency planning and business continuity through local chambers of commerce and emergency management offices.

Name of Jurisdiction:	Irondale
Problem being Mitigated:	Absence of emergency plans by businesses.
Hazard(s) Addressed:	All Hazards
Action/Project Number:	1.1.3 [2.1]
Name of Action or Project:	Training for Local Business and Public Entities on Emergency Planning and Business Continuity Planning
Action or Project Description:	Provide training on developing emergency plans and continuity plans for local businesses and public entities through cooperation with local chambers of commerce and emergency management offices.
Applicable Goal Statement:	Reduce the potential impact of natural disasters to property, infrastructure and the local economy.
Estimated Cost:	\$4,500 - \$5,500
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damages, loss of function/displacement impacts, and emergency management costs/community costs.
Responsible Organization/Department:	EMD
Action/Project Priority:	27 – High Priority
Timeline for Completion:	One – five years
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard mitigation plan, Meramec Region Community Economic Development Strategy (CEDS) – includes Chapter 8 – Economic Recovery and Resiliency Strategy
Progress Report	
Action Status	Revised – not started
Report of Progress	

Action 2.2.1 [2.2]: Distribute FEMA brochures and factsheets about the National Flood Insurance Program (NFIP) at public offices and community events.

Action Worksheet	
Name of Jurisdiction:	Irondale
Risk / Vulnerability	
Problem being Mitigated:	Risks/vulnerabilities associated with the general public not being aware of the dangers of floodplain development and benefits of the NFIP.
Hazard(s) Addressed:	Flooding
Action or Project	
Action/Project Number:	2.2.1 [2.2]
Name of Action or Project:	Floodplain education/awareness program
Action or Project Description:	Distribute FEMA brochures and factsheets about the National Flood Insurance Program (NFIP) at public offices and community events in order to educate residents about the dangers of floodplain development and the benefits of the NFIP.
Applicable Goal Statement:	Reduce the potential impact of natural disasters to property, infrastructure and the local economy.
Estimated Cost:	\$100 - \$200
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damage, loss of function/displacement impacts and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	Floodplain Manager
Action/Project Priority:	28 –High Priority
Timeline for Completion:	On-going – six months – one year
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOP, Floodplain Ordinance
Progress Report	
Action Status	Revised, Continuing – in progress
Report of Progress	Information on floodplain management is available at city hall.

Action 2.2.2 [2.3]: Continue to enforce flood damage prevention/floodplain management ordinances in compliance with NFIP requirements.

Action Worksheet	
Name of Jurisdiction:	Irondale
Risk / Vulnerability	
Problem being Mitigated:	Risks/vulnerabilities associated with noncompliance with NFIP rules and county floodplain ordinance.
Hazard(s) Addressed:	Flooding
Action or Project	
Action/Project Number:	2.2.2 [2.3]
Name of Action or Project:	Enforcement of floodplain ordinance.
Action or Project Description:	Continue to enforce flood damage prevention/floodplain management ordinances in compliance with NFIP requirements.
Applicable Goal Statement:	Reduce the potential impact of natural disaster to property, infrastructure and the local economy.
Estimated Cost:	\$2,500 – \$10,000
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damages, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	Board of Aldermen, Floodplain Manager
Action/Project Priority:	28 –High Priority
Timeline for Completion:	On-going
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	City Budget, Hazard Mitigation Plan, Floodplain Ordinance
Progress Report	
Action Status	Continuing –in progress
Report of Progress	The city floodplain manager enforces the floodplain ordinance.

Action 3.3.2 [2.4]: Implement public awareness program about the benefits of adopted hazard mitigation projects, both public and private, through press releases, brochures, EMD website and social media including changes to mitigation policy to keep the public abreast of changes and/or new regulations.

Action Worksheet	
Name of Jurisdiction:	Irondale
Risk / Vulnerability	
Problem being Mitigated:	Risks/vulnerabilities associated with the public's lack of knowledge in regards to hazard mitigation and the benefits of adopting mitigation measures.
Hazard(s) Addressed:	All Hazards
Action or Project	
Action/Project Number:	3.3.2 [2.4]
Name of Action or Project:	Hazard mitigation education/awareness program
Action or Project Description:	Implement public awareness program about the benefits of adopted hazard mitigation projects, both public and private, through press releases, brochures, EMD website and social media including changes to mitigation policy to keep the public abreast of changes and/or new regulations.
Applicable Goal Statement:	Reduce the potential impact of natural disasters to property, infrastructure and the local economy.
Estimated Cost:	\$1,000-\$2,000
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damages, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	EMD, Board of Aldermen
Action/Project Priority:	23 –High Priority
Timeline for Completion:	On-going – one – five years
Potential Fund Sources:	Grants, local general revenue funds, private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOP, Floodplain Ordinance
Progress Report	
Action Status	Continuing in progress
Report of Progress	The city provides information on any projects being done in the community. This program would benefit from a more focused approach to raising awareness through additional information sharing.

Action 5.2.1 [2.5]: Purchase properties in the floodplain to convert land into public space/recreation areas as funds allow.

Action Worksheet	
Name of Jurisdiction:	Irondale
Risk / Vulnerability	
Problem being Mitigated:	Risks/vulnerabilities to property and communities in areas that do not possess adequate storm water management plans.
Hazard(s) Addressed:	Flooding
Action or Project	
Action/Project Number:	5.2.1 [2.5]
Name of Action or Project:	Floodplain buyouts.
Action or Project Description:	Purchase properties in the floodplain to convert land into public space/recreation areas as funds allow.
Applicable Goal Statement:	Reduce the potential impact of natural disasters to property, infrastructure and the local economy.
Estimated Cost:	Unknown
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damages, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	Board of Aldermen, Floodplain Manager, Local Planners
Action/Project Priority:	24– High Priority
Timeline for Completion:	On-going
Potential Fund Sources:	Grants, local general revenue funds, private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, Floodplain Ordinance
Progress Report	
Action Status	Continuing - Not Started
Report of Progress	There has been no progress in this area in Irondale.

Action 2.6: Elevate existing structures in the floodplain as funding allows.

Action Worksheet	
Name of Jurisdiction:	Irondale
Risk / Vulnerability	
Problem being Mitigated:	Risks/vulnerabilities of properties in the floodplain during a flood event.
Hazard(s) Addressed:	Flood
Action or Project	
Action/Project Number:	2.6
Name of Action or Project:	Elevation of structures in the floodplain.
Action or Project Description:	Elevate existing structures in the floodplain as funding allows.
Applicable Goal Statement:	Reduce the potential impact of natural disasters to property, infrastructure and the local economy.
Estimated Cost:	Unknown
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damages, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	Floodplain Manager, Board of Aldermen
Action/Project Priority:	22 – High Priority
Timeline for Completion:	On-going
Potential Fund Sources:	Grants, local general revenue funds, private donations of cash, goods, or services
Local Planning Mechanisms to be Used in Implementation, if any:	Floodplain Management Ordinance, Hazard Mitigation Plan
Progress Report	
Action Status	New – No progress
Report of Progress	No progress at this time. New action item.

Goal 3: Reduce the potential impact of natural disaster on the continuity of government and essential services.

Action 6.1.3 [3.1]: Meet with state/local/federal agencies annually to discuss budgeting for mitigation projects, cost-share programs with property owners, including mitigation activities in all economic and community development projects, merge with other community planning and coordinate and integrate hazard mitigation activities, where appropriate, with emergency operations plans and procedures.

Action Worksheet	
Name of Jurisdiction:	Irondale
Risk / Vulnerability	
Problem being Mitigated:	Lack of synergy/communication/coordination of mitigation in public/private partnerships, community development projects and integration of mitigation actions into other plans and economic and community development projects.
Hazard(s) Addressed:	All Hazards
Action or Project	
Action/Project Number:	6.1.3 [3.1]
Name of Action or Project:	Meetings on hazard mitigation with local/state/federal agencies to discuss mitigation projects, planning and cost-share programs.
Action or Project Description:	Hold annual meetings local/state/federal officials to discuss budgeting for mitigation projects, cost-share programs with property owners, including mitigation activities in all economic and community development projects, merge with other community planning and coordinate and integrate hazard mitigation activities, where appropriate, with emergency operations plans and procedures.
Applicable Goal Statement:	Reduce the potential impact of natural disaster on the continuity of government and essential services.
Estimated Cost:	\$0
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damages, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	EMD, Board of Aldermen, Mayor, SEMA Area Coordinator
Action/Project Priority:	28 - H
Timeline for Completion:	On-going – six months – one year
Potential Fund Sources:	N/A
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOP, Economic Development plans
Progress Report	
Action Status	Continuing - Ongoing
Report of Progress	The Region C SEMA area coordinator holds quarterly meetings in the region and discussions include a variety of topics, including mitigation. MRPC has provided information and presentations on mitigation at regular board meetings that included representatives from Washington County and its jurisdictions. Due to changes in elected officials, this is an ongoing activity.

Action 3.2: Purchase generators for critical facilities in the planning area as funding allows.

Action Worksheet	
Name of Jurisdiction:	Irondale
Risk / Vulnerability	
Problem being Mitigated:	Risks/vulnerabilities associated with power outages for critical infrastructure/facilities
Hazard(s) Addressed:	All Hazards
Action or Project	
Action/Project Number:	3.2
Name of Action or Project:	Purchase generators for critical facilities.
Action or Project Description:	Purchase generators for critical facilities in the planning area as funding allows.
Applicable Goal Statement:	Reduce the potential impact of natural disaster on the continuity of government and essential services.
Estimated Cost:	\$5,000 - \$100,000
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damages, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	EMD, Board of Aldermen
Action/Project Priority:	26 – High Priority
Timeline for Completion:	On-going – one to five years
Potential Fund Sources:	Grants, local general revenue funds, private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	LEOP, Hazard Mitigation Plan
Progress Report	
Action Status	New – On-going
Report of Progress	Irondale currently has one portable generator.

Mineral Point

Goal 1: Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the county.

Action 1.1.4 [1.1]: Local Fire Departments and Emergency Management Director will provide CERT training and distribute information on the benefits of the CERT and VOAD programs.

Action Worksheet	
Name of Jurisdiction:	Mineral Point
Risk / Vulnerability	
Problem being Mitigated:	Lack of CERT Teams and CERT training throughout the planning area.
Hazard(s) Addressed:	All hazards.
Action or Project	
Action/Project Number:	1.1.4
Name of Action or Project:	Provide CERT training and encourage the development of CERT teams.
Action or Project Description:	Local Fire Department and EMD will provide CERT training opportunities for local citizens with the purpose of developing CERT teams.
Applicable Goal Statement:	Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the county.
Estimated Cost:	\$2,500
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damages, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	EMD, Local Fire Departments
Action/Project Priority:	27 – High Priority
Timeline for Completion:	On-going – five years
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOP
Progress Report	
Action Status	Revised – in progress
Report of Progress	There have been CERT teams in the past, but none are currently active. This program will benefit from additional efforts on the part of the EMD to get local fire departments to host trainings and fostering of CERT teams.

Action 1.2.1 [1.2]: Obtain and update early warning systems and improved communication systems as funding allows.

Action Worksheet	
Name of Jurisdiction:	Mineral Point
Risk / Vulnerability	
Problem being Mitigated:	Risks and vulnerabilities associated with the need to improve warning and communications systems throughout the county.
Hazard(s) Addressed:	All Hazards
Action or Project	
Action/Project Number:	1.2.1 [1.2]
Name of Action or Project:	Improving early warning systems and improved communications systems.
Action or Project Description:	Obtain and update early warning systems and improved communication systems as funding allows.
Applicable Goal Statement:	Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the county.
Estimated Cost:	Unknown.
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damage, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	EMD
Action/Project Priority:	24 – High Priority
Timeline for Completion:	On-going – five years
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOP
Progress Report	
Action Status	Revised and Continuing – in progress
Report of Progress	Mineral Point currently has the Nixle early warning system available to anyone who signs up. There are no outdoor tornado sirens in the city. The Nixle program would benefit from a public awareness and information program to make residents more aware of the warning system available to them.

Action 1.3.3 [1.3]: Complete road and bridge repairs/upgrades as funding allows to reduce flooding and the risk to residents and property.

Action Worksheet	
Name of Jurisdiction:	Mineral Point
Risk / Vulnerability	
Problem being Mitigated:	Risks/vulnerabilities associated with flooding and inadequate road/bridge structures and impacts on residents and their property.
Hazard(s) Addressed:	Flood, Earthquake
Action or Project	
Action/Project Number:	1.3.2 [1.3]
Name of Action or Project:	Complete road and bridge repairs/upgrades to reduce flooding
Action or Project Description:	Complete road and bridge upgrades to improve drainage and reduce flooding and the risk to residents and property.
Applicable Goal Statement:	Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the county.
Estimated Cost:	Unknown
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damages, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	Board of Trustees, local planners
Action/Project Priority:	21 – High Priority
Timeline for Completion:	On-going
Potential Fund Sources:	Grants, local general revenue funds, private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard mitigation plan, LEOP, floodplain ordinance, road and bridge budget, county road and bridge specifications
Progress Report	
Action Status	Revised, Continuing - no progress
Report of Progress	Mineral Point has completed not completed projects in the past five years to reduce impacts from flooding.

Action 1.3.4 [1.4]: Establish warming and cooling centers where residents can go during extreme temperatures or power outages.

Action Worksheet	
Name of Jurisdiction:	Mineral Point
Risk / Vulnerability	
Problem being Mitigated:	Risks/vulnerabilities associated with lack warming and cooling centers during times of extreme temperatures and power outages
Hazard(s) Addressed:	Severe Weather, Winter Storms, Extreme Temperatures
Action or Project	
Action/Project Number:	1.3.4 [1.4]
Name of Action or Project:	Establish and maintain designated warming and cooling centers.
Action or Project Description:	Establish designated warming and cooling centers for residents to be used during extreme temperatures or power outages.
Applicable Goal Statement:	Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the county.
Estimated Cost:	\$2,500
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	EMD, Board of Trustees
Action/Project Priority:	27 –High Priority
Timeline for Completion:	Two years
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOPs
Progress Report	
Action Status	Revised, Continuing – no progress
Report of Progress	Mineral Point currently has no designated cooling or warming centers.

Action 1.3.6 [1.5]: Construct storm shelters and tornado safe rooms near areas of high population densities (schools and large employers) as funding allows.

Action Worksheet	
Name of Jurisdiction:	Mineral Point
Risk / Vulnerability	
Problem being Mitigated:	Risks/vulnerabilities associated with lack of storm shelters and tornado safe rooms.
Hazard(s) Addressed:	Severe storms/Tornados
Action or Project	
Action/Project Number:	1.3.6 [1.5]
Name of Action or Project:	Construct storm shelters and tornado safe rooms near areas of high population densities.
Action or Project Description:	Construct storm shelters and tornado safe rooms near areas of high population densities (schools and large employers) as funding allows.
Applicable Goal Statement:	Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the county.
Estimated Cost:	Unknown
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, loss-of-function/displacement impacts and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	EMD, Board of Trustees
Action/Project Priority:	22 –High Priority
Timeline for Completion:	On-going – five – ten years
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOP
Progress Report	
Action Status	Revised, Continuing –no progress
Report of Progress	There are no certified tornado shelters in Mineral Point.

Action 3.1.1 [1.6]: Distribute SEMA brochures on natural hazards and preparedness at public facilities and events.

Action Worksheet	
Name of Jurisdiction:	Mineral Point
Risk / Vulnerability	
Problem being Mitigated:	Risks/vulnerabilities associated with lack of awareness of emergency management and best practices during hazardous events.
Hazard(s) Addressed:	All Hazards
Action or Project	
Action/Project Number:	3.1.1 [1.6]
Name of Action or Project:	Distribute SEMA brochures on natural hazards and preparedness at public facilities and events.
Action or Project Description:	Provide information by distributing SEMA brochures and press releases on types of hazards, best practices during a disaster (Ready in 3) and other informational documents.
Applicable Goal Statement:	Promote education, outreach, research and development programs to improve the knowledge and awareness among the citizens and industry about hazards they may face, their vulnerability to identified hazards, and hazard mitigation alternatives that can reduce their vulnerabilities
Estimated Cost:	\$1,500
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damages, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	EMD, local emergency response agencies, county health department
Action/Project Priority:	20 – High Priority
Timeline for Completion:	On-going – six months – one year
Potential Fund Sources:	Local general revenue funds, private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOP
Progress Report	
Action Status	Continuing in Progress
Report of Progress	The health department and some local emergency response agencies regularly distribute emergency related brochures and information at local events. The information is also made available through social media. The county EMD and health department also distribute press releases on hazards and how to prepare for them.

Goal 2: Reduce the potential impact of natural disasters to property, infrastructure and the local economy.

Action 1.1.3 [2.1]: Provide annual training to local businesses and public entities on emergency planning and business continuity through local chambers of commerce and emergency management offices.

Name of Jurisdiction:	Mineral Point
Problem being Mitigated:	Absence of emergency plans by businesses.
Hazard(s) Addressed:	All Hazards
Action/Project Number:	1.1.3 [New Number 2.1]
Name of Action or Project:	Training for Local Business and Public Entities on Emergency Planning and Business Continuity Planning
Action or Project Description:	Provide training on developing emergency plans and continuity plans for local businesses and public entities through cooperation with local chambers of commerce and emergency management offices.
Applicable Goal Statement:	Reduce the potential impact of natural disasters to property, infrastructure and the local economy.
Estimated Cost:	\$4,500 - \$5,500
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damages, loss of function/displacement impacts, and emergency management costs/community costs.
Responsible Organization/Department:	EMD
Action/Project Priority:	27 – High Priority
Timeline for Completion:	One – five years
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard mitigation plan, Meramec Region Community Economic Development Strategy (CEDS) – includes Chapter 8 – Economic Recovery and Resiliency Strategy
Progress Report	
Action Status	Revised – not started
Report of Progress	

Action 2.2.1 [2.2]: Distribute FEMA brochures and factsheets about the National Flood Insurance Program (NFIP) at public offices and community events.

Action Worksheet	
Name of Jurisdiction:	Mineral Point
Risk / Vulnerability	
Problem being Mitigated:	Risks/vulnerabilities associated with the general public not being aware of the dangers of floodplain development and benefits of the NFIP.
Hazard(s) Addressed:	Flooding
Action or Project	
Action/Project Number:	2.2.1 [2.2]
Name of Action or Project:	Floodplain education/awareness program
Action or Project Description:	Distribute FEMA brochures and factsheets about the National Flood Insurance Program (NFIP) at public offices and community events in order to educate residents about the dangers of floodplain development and the benefits of the NFIP.
Applicable Goal Statement:	Reduce the potential impact of natural disasters to property, infrastructure and the local economy.
Estimated Cost:	\$100 - \$200
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damage, loss of function/displacement impacts and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	Floodplain Manager
Action/Project Priority:	28 –High Priority
Timeline for Completion:	On-going – six month – one year
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOP, Floodplain Ordinance
Progress Report	
Action Status	Revised, Continuing – in progress
Report of Progress	The floodplain manager distributes information on floodplain management and development requirements.

Action 2.2.2 [2.3]: Continue to enforce flood damage prevention/floodplain management ordinances in compliance with NFIP requirements.

Action Worksheet	
Name of Jurisdiction:	Mineral Point
Risk / Vulnerability	
Problem being Mitigated:	Risks/vulnerabilities associated with noncompliance with NFIP rules and county floodplain ordinance.
Hazard(s) Addressed:	Flooding
Action or Project	
Action/Project Number:	2.2.2 [2.3]
Name of Action or Project:	Enforcement of floodplain ordinance.
Action or Project Description:	Continue to enforce flood damage prevention/floodplain management ordinances in compliance with NFIP requirements.
Applicable Goal Statement:	Reduce the potential impact of natural disaster to property, infrastructure and the local economy.
Estimated Cost:	\$2,500 – \$10,000
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damages, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	Board of Trustees, Floodplain Manager
Action/Project Priority:	28 –High Priority
Timeline for Completion:	On-going
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	City Budget, Hazard Mitigation Plan, Floodplain Ordinance
Progress Report	
Action Status	Continuing –in progress
Report of Progress	The city floodplain manager enforces the floodplain ordinance.

Action 3.3.2 [2.4]: Implement public awareness program about the benefits of adopted hazard mitigation projects, both public and private, through press releases, brochures, EMD website and social media including changes to mitigation policy to keep the public abreast of changes and/or new regulations.

Action Worksheet	
Name of Jurisdiction:	Mineral Point
Risk / Vulnerability	
Problem being Mitigated:	Risks/vulnerabilities associated with the public's lack of knowledge in regards to hazard mitigation and the benefits of adopting mitigation measures.
Hazard(s) Addressed:	All Hazards
Action or Project	
Action/Project Number:	3.3.2 [2.4]
Name of Action or Project:	Hazard mitigation education/awareness program
Action or Project Description:	Implement public awareness program about the benefits of adopted hazard mitigation projects, both public and private, through press releases, brochures, EMD website and social media including changes to mitigation policy to keep the public abreast of changes and/or new regulations.
Applicable Goal Statement:	Reduce the potential impact of natural disasters to property, infrastructure and the local economy.
Estimated Cost:	\$1,000-\$2,000
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damages, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	EMD, Board of Trustees
Action/Project Priority:	23 –High Priority
Timeline for Completion:	On-going – one – five years
Potential Fund Sources:	Grants, local general revenue funds, private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOP, Floodplain Ordinance
Progress Report	
Action Status	Continuing in progress
Report of Progress	The city provides information any projects being done in the community. This program would benefit from a more focused approach to raising awareness through additional information sharing.

Action 5.2.1 [2.5]: Purchase properties in the floodplain to convert land into public space/recreation areas as funds allow.

Action Worksheet	
Name of Jurisdiction:	Mineral Point
Risk / Vulnerability	
Problem being Mitigated:	Risks/vulnerabilities to property and communities in areas that do not possess adequate storm water management plans.
Hazard(s) Addressed:	Flooding
Action or Project	
Action/Project Number:	5.2.1 [2.5]
Name of Action or Project:	Floodplain buyouts.
Action or Project Description:	Purchase properties in the floodplain to convert land into public space/recreation areas as funds allow.
Applicable Goal Statement:	Reduce the potential impact of natural disasters to property, infrastructure and the local economy.
Estimated Cost:	Unknown
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damages, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	Board of Trustees, Floodplain Manager, Local Planners
Action/Project Priority:	24– High Priority
Timeline for Completion:	On-going
Potential Fund Sources:	Grants, local general revenue funds, private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, Floodplain Ordinance
Progress Report	
Action Status	Continuing - Not Started
Report of Progress	There has been no progress in this area in Mineral Point.

Action 2.6: Elevate existing structures in the floodplain as funding allows.

Action Worksheet	
Name of Jurisdiction:	Mineral Point
Risk / Vulnerability	
Problem being Mitigated:	Risks/vulnerabilities of properties in the floodplain during a flood event.
Hazard(s) Addressed:	Flood
Action or Project	
Action/Project Number:	2.6
Name of Action or Project:	Elevation of structures in the floodplain.
Action or Project Description:	Elevate existing structures in the floodplain as funding allows.
Applicable Goal Statement:	Reduce the potential impact of natural disasters to property, infrastructure and the local economy.
Estimated Cost:	Unknown
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damages, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	Floodplain Manager, Board of Trustees
Action/Project Priority:	22 – High Priority
Timeline for Completion:	On-going
Potential Fund Sources:	Grants, local general revenue funds, private donations of cash, goods, or services
Local Planning Mechanisms to be Used in Implementation, if any:	Floodplain Management Ordinance, Hazard Mitigation Plan
Progress Report	
Action Status	New – No progress
Report of Progress	No progress at this time. New action item.

Goal 3: Reduce the potential impact of natural disaster on the continuity of government and essential services.

Action 6.1.3 [3.1]: Meet with state/local/federal agencies annually to discuss budgeting for mitigation projects, cost-share programs with property owners, including mitigation activities in all economic and community development projects, merge with other community planning and coordinate and integrate hazard mitigation activities, where appropriate, with emergency operations plans and procedures.

Action Worksheet	
Name of Jurisdiction:	Mineral Point
Risk / Vulnerability	
Problem being Mitigated:	Lack of synergy/communication/coordination of mitigation in public/private partnerships, community development projects and integration of mitigation actions into other plans and economic and community development projects.
Hazard(s) Addressed:	All Hazards
Action or Project	
Action/Project Number:	6.1.3 [3.1]
Name of Action or Project:	Meetings on hazard mitigation with local/state/federal agencies to discuss mitigation projects, planning and cost-share programs.
Action or Project Description:	Hold annual meetings local/state/federal officials to discuss budgeting for mitigation projects, cost-share programs with property owners, including mitigation activities in all economic and community development projects, merge with other community planning and coordinate and integrate hazard mitigation activities, where appropriate, with emergency operations plans and procedures.
Applicable Goal Statement:	Reduce the potential impact of natural disaster on the continuity of government and essential services.
Estimated Cost:	\$0
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damages, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	EMD, Board of Trustees, Mayor, SEMA Area Coordinator
Action/Project Priority:	28 - H
Timeline for Completion:	On-going – six months – one year
Potential Fund Sources:	N/A
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOP, Economic Development plans
Progress Report	
Action Status	Continuing - Ongoing
Report of Progress	The Region C SEMA area coordinator holds quarterly meetings in the region and discussions include a variety of topics, including mitigation. MRPC has provided information and presentations on mitigation at regular board meetings that included representatives from Washington County and its jurisdictions. Due to changes in elected officials, this is an ongoing activity.

Action 3.2: Purchase generators for critical facilities in the planning area as funding allows.

Action Worksheet	
Name of Jurisdiction:	Mineral Point
Risk / Vulnerability	
Problem being Mitigated:	Risks/vulnerabilities associated with power outages for critical infrastructure/facilities
Hazard(s) Addressed:	All Hazards
Action or Project	
Action/Project Number:	3.2
Name of Action or Project:	Purchase generators for critical facilities.
Action or Project Description:	Purchase generators for critical facilities in the planning area as funding allows.
Applicable Goal Statement:	Reduce the potential impact of natural disaster on the continuity of government and essential services.
Estimated Cost:	\$5,000 - \$100,000
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damages, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	EMD, Board of Trustees
Action/Project Priority:	26 – High Priority
Timeline for Completion:	On-going – one – five years
Potential Fund Sources:	Grants, local general revenue funds, private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	LEOP, Hazard Mitigation Plan
Progress Report	
Action Status	New – On-going
Report of Progress	Mineral Point currently has two portable generators.

Potosi

Goal 1: Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the county.

Action 1.1.4 [1.1]: Local Fire Departments and Emergency Management Director will provide CERT training and distribute information on the benefits of the CERT and VOAD programs.

Action Worksheet	
Name of Jurisdiction:	Potosi
Risk / Vulnerability	
Problem being Mitigated:	Lack of CERT Teams and CERT training throughout the planning area.
Hazard(s) Addressed:	All hazards.
Action or Project	
Action/Project Number:	1.1.4
Name of Action or Project:	Provide CERT training and encourage the development of CERT teams.
Action or Project Description:	Local Fire Department and EMD will provide CERT training opportunities for local citizens with the purpose of developing CERT teams.
Applicable Goal Statement:	Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the county.
Estimated Cost:	\$2,500
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damages, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	EMD, Local Fire Departments
Action/Project Priority:	27 – High Priority
Timeline for Completion:	On-going – one – five years
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOP
Progress Report	
Action Status	Revised – in progress
Report of Progress	There have been CERT teams in the past, but none are currently active. This program will benefit from additional efforts on the part of the EMD to get local fire departments to host trainings and fostering of CERT teams.

Action 1.2.1 [1.2]: Obtain and update early warning systems and improved communication systems as funding allows.

Action Worksheet	
Name of Jurisdiction:	Potosi
Risk / Vulnerability	
Problem being Mitigated:	Risks and vulnerabilities associated with the need to improve warning and communications systems throughout the county.
Hazard(s) Addressed:	All Hazards
Action or Project	
Action/Project Number:	1.2.1 [1.2]
Name of Action or Project:	Improving early warning systems and improved communications systems.
Action or Project Description:	Obtain and update early warning systems and improved communication systems as funding allows.
Applicable Goal Statement:	Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the county.
Estimated Cost:	Unknown.
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damage, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	EMD
Action/Project Priority:	24 – High Priority
Timeline for Completion:	On-going – one – five years
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOP
Progress Report	
Action Status	Revised and Continuing – in progress
Report of Progress	Potosi currently has the Nixle early warning system available to anyone who signs up. There are also four outdoor tornado sirens in the city. The Nixle program would benefit from a public awareness and information program to make residents more aware of the warning system available to them

Action 1.3.3 [1.3]: Complete road and bridge repairs/upgrades as funding allows to reduce flooding and the risk to residents and property.

Action Worksheet	
Name of Jurisdiction:	Potosi
Risk / Vulnerability	
Problem being Mitigated:	Risks/vulnerabilities associated with flooding and inadequate road/bridge structures and impacts on residents and their property.
Hazard(s) Addressed:	Flood, Earthquake
Action or Project	
Action/Project Number:	1.3.2 [1.3]
Name of Action or Project:	Complete road and bridge repairs/upgrades to reduce flooding
Action or Project Description:	Complete road and bridge upgrades to improve drainage and reduce flooding and the risk to residents and property.
Applicable Goal Statement:	Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the county.
Estimated Cost:	Unknown
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damages, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	Board of Aldermen, local planners
Action/Project Priority:	21 – High Priority
Timeline for Completion:	On-going
Potential Fund Sources:	Grants, local general revenue funds, private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard mitigation plan, LEOP, floodplain ordinance, road and bridge budget, county road and bridge specifications
Progress Report	
Action Status	Revised, Continuing - in progress
Report of Progress	Potosi has completed the following projects in the past five years to reduce impacts from flooding: bridge replacement on Mill Street that allowed for better water flow and mitigation of erosion, scour and damage to both the bridge and utilities under the bridge.

Action 1.3.4 [1.4]: Establish warming and cooling centers where residents can go during extreme temperatures or power outages.

Action Worksheet	
Name of Jurisdiction:	Potosi
Risk / Vulnerability	
Problem being Mitigated:	Risks/vulnerabilities associated with lack warming and cooling centers during times of extreme temperatures and power outages
Hazard(s) Addressed:	Severe Weather, Winter Storms, Extreme Temperatures
Action or Project	
Action/Project Number:	1.3.4 [1.4]
Name of Action or Project:	Establish and maintain designated warming and cooling centers.
Action or Project Description:	Establish designated warming and cooling centers for residents to be used during extreme temperatures or power outages.
Applicable Goal Statement:	Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the county.
Estimated Cost:	\$2,500
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	EMD, Board of Aldermen
Action/Project Priority:	27 –High Priority
Timeline for Completion:	Two years
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOPs
Progress Report	
Action Status	Revised, Continuing – no progress
Report of Progress	Potosi currently has no designated cooling or warming centers.

Action 1.3.6 [1.5]: Construct storm shelters and tornado safe rooms near areas of high population densities (schools and large employers) as funding allows.

Action Worksheet	
Name of Jurisdiction:	Potosi
Risk / Vulnerability	
Problem being Mitigated:	Risks/vulnerabilities associated with lack of storm shelters and tornado safe rooms.
Hazard(s) Addressed:	Severe storms/Tornados
Action or Project	
Action/Project Number:	1.3.6 [1.5]
Name of Action or Project:	Construct storm shelters and tornado safe rooms near areas of high population densities.
Action or Project Description:	Construct storm shelters and tornado safe rooms near areas of high population densities (schools and large employers) as funding allows.
Applicable Goal Statement:	Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the county.
Estimated Cost:	Unknown
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, loss-of-function/displacement impacts and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	EMD, Board of Aldermen
Action/Project Priority:	22 –High Priority
Timeline for Completion:	On-going – five – ten years
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOP
Progress Report	
Action Status	Revised, Continuing – in progress
Report of Progress	There is a certified tornado shelter located at the Potosi R-III elementary school.

Action 3.1.1 [1.6]: Distribute SEMA brochures on natural hazards and preparedness at public facilities and events.

Action Worksheet	
Name of Jurisdiction:	Potosi
Risk / Vulnerability	
Problem being Mitigated:	Risks/vulnerabilities associated with lack of awareness of emergency management and best practices during hazardous events.
Hazard(s) Addressed:	All Hazards
Action or Project	
Action/Project Number:	3.1.1 [1.6]
Name of Action or Project:	Distribute SEMA brochures on natural hazards and preparedness at public facilities and events.
Action or Project Description:	Provide information by distributing SEMA brochures and press releases on types of hazards, best practices during a disaster (Ready in 3) and other informational documents.
Applicable Goal Statement:	Promote education, outreach, research and development programs to improve the knowledge and awareness among the citizens and industry about hazards they may face, their vulnerability to identified hazards, and hazard mitigation alternatives that can reduce their vulnerabilities
Estimated Cost:	\$1,500
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damages, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	EMD, local emergency response agencies, county health department
Action/Project Priority:	20 – High Priority
Timeline for Completion:	On-going – six months – one year
Potential Fund Sources:	Local general revenue funds, private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOP
Progress Report	
Action Status	Continuing in Progress
Report of Progress	The health department and some local emergency response agencies regularly distribute emergency related brochures and information at local events. The information is also made available through social media. The EMD and health department also distribute press releases on hazards and how to prepare for them.

Goal 2: Reduce the potential impact of natural disasters to property, infrastructure and the local

economy.

Action 1.1.3 [2.1]: Provide annual training to local businesses and public entities on emergency planning and business continuity through local chambers of commerce and emergency management offices.

Name of Jurisdiction:	Potosi
Problem being Mitigated:	Absence of emergency plans by businesses.
Hazard(s) Addressed:	All Hazards
Action/Project Number:	1.1.3 [New Number 2.1]
Name of Action or Project:	Training for Local Business and Public Entities on Emergency Planning and Business Continuity Planning
Action or Project Description:	Provide training on developing emergency plans and continuity plans for local businesses and public entities through cooperation with local chambers of commerce and emergency management offices.
Applicable Goal Statement:	Reduce the potential impact of natural disasters to property, infrastructure and the local economy.
Estimated Cost:	\$4,500 - \$5,500
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damages, loss of function/displacement impacts, and emergency management costs/community costs.
Responsible Organization/Department:	EMD
Action/Project Priority:	27 – High Priority
Timeline for Completion:	One – five years
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard mitigation plan, Meramec Region Community Economic Development Strategy (CEDS) – includes Chapter 8 – Economic Recovery and Resiliency Strategy
Progress Report	
Action Status	Revised – not started
Report of Progress	

Action 2.2.1 [2.2]: Distribute FEMA brochures and factsheets about the National Flood Insurance Program (NFIP) at public offices and community events.

Action Worksheet	
Name of Jurisdiction:	Potosi
Risk / Vulnerability	
Problem being Mitigated:	Risks/vulnerabilities associated with the general public not being aware of the dangers of floodplain development and benefits of the NFIP.
Hazard(s) Addressed:	Flooding
Action or Project	
Action/Project Number:	2.2.1 [2.2]
Name of Action or Project:	Floodplain education/awareness program
Action or Project Description:	Distribute FEMA brochures and factsheets about the National Flood Insurance Program (NFIP) at public offices and community events in order to educate residents about the dangers of floodplain development and the benefits of the NFIP.
Applicable Goal Statement:	Reduce the potential impact of natural disasters to property, infrastructure and the local economy.
Estimated Cost:	\$100 - \$200
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damage, loss of function/displacement impacts and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	Floodplain Manager
Action/Project Priority:	28 –High Priority
Timeline for Completion:	On-going - six months – one year
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOP, Floodplain Ordinance
Progress Report	
Action Status	Revised, Continuing – in progress
Report of Progress	The floodplain manager distributes information on floodplain management and development requirements.

Action 2.2.2 [2.3]: Continue to enforce flood damage prevention/floodplain management ordinances in compliance with NFIP requirements.

Action Worksheet	
Name of Jurisdiction:	Potosi
Risk / Vulnerability	
Problem being Mitigated:	Risks/vulnerabilities associated with noncompliance with NFIP rules and county floodplain ordinance.
Hazard(s) Addressed:	Flooding
Action or Project	
Action/Project Number:	2.2.2 [2.3]
Name of Action or Project:	Enforcement of floodplain ordinance.
Action or Project Description:	Continue to enforce flood damage prevention/floodplain management ordinances in compliance with NFIP requirements.
Applicable Goal Statement:	Reduce the potential impact of natural disaster to property, infrastructure and the local economy.
Estimated Cost:	\$2,500 – \$10,000
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damages, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	Board of Aldermen, Floodplain Manager
Action/Project Priority:	28 –High Priority
Timeline for Completion:	On-going
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	City Budget, Hazard Mitigation Plan, Floodplain Ordinance
Progress Report	
Action Status	Continuing –in progress
Report of Progress	The city floodplain manager enforces the floodplain ordinance.

Action 3.3.2 [2.4]: Implement public awareness program about the benefits of adopted hazard mitigation projects, both public and private, through press releases, brochures, EMD website and social media including changes to mitigation policy to keep the public abreast of changes and/or new regulations.

Action Worksheet	
Name of Jurisdiction:	Potosi
Risk / Vulnerability	
Problem being Mitigated:	Risks/vulnerabilities associated with the public's lack of knowledge in regards to hazard mitigation and the benefits of adopting mitigation measures.
Hazard(s) Addressed:	All Hazards
Action or Project	
Action/Project Number:	3.3.2 [2.4]
Name of Action or Project:	Hazard mitigation education/awareness program
Action or Project Description:	Implement public awareness program about the benefits of adopted hazard mitigation projects, both public and private, through press releases, brochures, EMD website and social media including changes to mitigation policy to keep the public abreast of changes and/or new regulations.
Applicable Goal Statement:	Reduce the potential impact of natural disasters to property, infrastructure and the local economy.
Estimated Cost:	\$1,000-\$2,000
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damages, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	EMD, Board of Aldermen
Action/Project Priority:	23 –High Priority
Timeline for Completion:	On-going – one – five years
Potential Fund Sources:	Grants, local general revenue funds, private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOP, Floodplain Ordinance
Progress Report	
Action Status	Continuing in progress
Report of Progress	The city does press releases on any projects being done in the community. This program would benefit from a more focused approach to raising awareness through additional information sharing.

Action 5.2.1 [2.5]: Purchase properties in the floodplain to convert land into public space/recreation areas as funds allow.

Action Worksheet	
Name of Jurisdiction:	Potosi
Risk / Vulnerability	
Problem being Mitigated:	Risks/vulnerabilities to property and communities in areas that do not possess adequate storm water management plans.
Hazard(s) Addressed:	Flooding
Action or Project	
Action/Project Number:	5.2.1 [2.5]
Name of Action or Project:	Floodplain buyouts.
Action or Project Description:	Purchase properties in the floodplain to convert land into public space/recreation areas as funds allow.
Applicable Goal Statement:	Reduce the potential impact of natural disasters to property, infrastructure and the local economy.
Estimated Cost:	Unknown
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damages, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	Board of Aldermen, Floodplain Manager, Local Planners
Action/Project Priority:	24– High Priority
Timeline for Completion:	On-going
Potential Fund Sources:	Grants, local general revenue funds, private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, Floodplain Ordinance
Progress Report	
Action Status	Continuing - Not Started
Report of Progress	There has been no progress in this area in Potosi.

Action 2.6: Elevate existing structures in the floodplain as funding allows.

Action Worksheet	
Name of Jurisdiction:	Potosi
Risk / Vulnerability	
Problem being Mitigated:	Risks/vulnerabilities of properties in the floodplain during a flood event.
Hazard(s) Addressed:	Flood
Action or Project	
Action/Project Number:	2.6
Name of Action or Project:	Elevation of structures in the floodplain.
Action or Project Description:	Elevate existing structures in the floodplain as funding allows.
Applicable Goal Statement:	Reduce the potential impact of natural disasters to property, infrastructure and the local economy.
Estimated Cost:	Unknown
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damages, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	Floodplain Manager, Board of Aldermen
Action/Project Priority:	22 – High Priority
Timeline for Completion:	On-going
Potential Fund Sources:	Grants, local general revenue funds, private donations of cash, goods, or services
Local Planning Mechanisms to be Used in Implementation, if any:	Floodplain Management Ordinance, Hazard Mitigation Plan
Progress Report	
Action Status	New – No progress
Report of Progress	No progress at this time. New action item.

Goal 3: Reduce the potential impact of natural disaster on the continuity of government and essential services.

Action 6.1.3 [3.1]: Meet with state/local/federal agencies annually to discuss budgeting for mitigation projects, cost-share programs with property owners, including mitigation activities in all economic and community development projects, merge with other community planning and coordinate and integrate hazard mitigation activities, where appropriate, with emergency operations plans and procedures.

Action Worksheet	
Name of Jurisdiction:	Potosi
Risk / Vulnerability	
Problem being Mitigated:	Lack of synergy/communication/coordination of mitigation in public/private partnerships, community development projects and integration of mitigation actions into other plans and economic and community development projects.
Hazard(s) Addressed:	All Hazards
Action or Project	
Action/Project Number:	6.1.3 [3.1]
Name of Action or Project:	Meetings on hazard mitigation with local/state/federal agencies to discuss mitigation projects, planning and cost-share programs.
Action or Project Description:	Hold annual meetings local/state/federal officials to discuss budgeting for mitigation projects, cost-share programs with property owners, including mitigation activities in all economic and community development projects, merge with other community planning and coordinate and integrate hazard mitigation activities, where appropriate, with emergency operations plans and procedures.
Applicable Goal Statement:	Reduce the potential impact of natural disaster on the continuity of government and essential services.
Estimated Cost:	\$0
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damages, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	EMD, Board of Aldermen, Mayor, SEMA Area Coordinator
Action/Project Priority:	28 - H
Timeline for Completion:	On-going – six months – one year
Potential Fund Sources:	N/A
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOP, Economic Development plans
Progress Report	
Action Status	Continuing - Ongoing
Report of Progress	The Region C SEMA area coordinator holds quarterly meetings in the region and discussions include a variety of topics, including mitigation. MRPC has provided information and presentations on mitigation at regular board meetings that included representatives from Washington County and its jurisdictions. Due to changes in elected officials, this is an ongoing activity.

Action 3.2: Purchase generators for critical facilities in the planning area as funding allows.

Action Worksheet	
Name of Jurisdiction:	Potosi
Risk / Vulnerability	
Problem being Mitigated:	Risks/vulnerabilities associated with power outages for critical infrastructure/facilities
Hazard(s) Addressed:	All Hazards
Action or Project	
Action/Project Number:	3.2
Name of Action or Project:	Purchase generators for critical facilities.
Action or Project Description:	Purchase generators for critical facilities in the planning area as funding allows.
Applicable Goal Statement:	Reduce the potential impact of natural disaster on the continuity of government and essential services.
Estimated Cost:	\$5,000 - \$100,000
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damages, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	EMD, Board of Aldermen
Action/Project Priority:	26 – High Priority
Timeline for Completion:	On-going – one – five years
Potential Fund Sources:	Grants, local general revenue funds, private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	LEOP, Hazard Mitigation Plan
Progress Report	
Action Status	New – On-going
Report of Progress	Potosi currently has two portable generators.

Kingston K-14 School District

Goal 1: Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the county.

Action 1.2.1 [1.2]: Obtain and update early warning systems and improved communication systems as funding allows.

Action Worksheet	
Name of Jurisdiction:	Kingston K-14 School District
Risk / Vulnerability	
Problem being Mitigated:	Risks and vulnerabilities associated with the need to improve warning and communications systems throughout the county.
Hazard(s) Addressed:	All Hazards
Action or Project	
Action/Project Number:	1.2.1 [1.2]
Name of Action or Project:	Improving early warning systems and improved communications systems.
Action or Project Description:	Obtain and update early warning systems and improved communication systems as funding allows.
Applicable Goal Statement:	Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the county.
Estimated Cost:	Unknown.
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damage, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	Superintendent, School Board
Action/Project Priority:	24 – High Priority
Timeline for Completion:	On-going – one – five years
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOP
Progress Report	
Action Status	Revised and Continuing – in progress
Report of Progress	The Nixle early warning system is available to anyone who signs up in Washington County. Kingston K-14 uses BlackBoard Connect as a text and cellphone warning/messaging system, but states that it needs upgraded. All entities in the county need to continue to work to improve communications systems within the county to improve county-wide as well as state-wide communications during disasters and joint response efforts.

Action 1.3.6 [1.5]: Construct storm shelters and tornado safe rooms near areas of high population densities (schools and large employers) as funding allows.

Action Worksheet	
Name of Jurisdiction:	Kingston K-14 School District
Risk / Vulnerability	
Problem being Mitigated:	Risks/vulnerabilities associated with lack of storm shelters and tornado safe rooms.
Hazard(s) Addressed:	Severe storms/Tornados
Action or Project	
Action/Project Number:	1.3.6 [1.5]
Name of Action or Project:	Construct storm shelters and tornado safe rooms near areas of high population densities.
Action or Project Description:	Construct storm shelters and tornado safe rooms near areas of high population densities (schools and large employers) as funding allows.
Applicable Goal Statement:	Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the county.
Estimated Cost:	Unknown
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, loss-of-function/displacement impacts and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	Superintendent, School Board
Action/Project Priority:	22 –High Priority
Timeline for Completion:	On-going – five – ten years
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOP
Progress Report	
Action Status	Revised, Continuing – in progress
Report of Progress	Kingston K-14 has a FEMA certified tornado shelter in the elementary school but would like to have another shelter to serve the Junior High and High School students.

Goal 3: Reduce the potential impact of natural disaster on the continuity of government and essential services.

Action 6.1.3 [3.1]: Meet with state/local/federal agencies annually to discuss budgeting for mitigation projects, cost-share programs with property owners, including mitigation activities in all economic and community development projects, merge with other community planning and coordinate and integrate hazard mitigation activities, where appropriate, with emergency operations plans and procedures.

Action Worksheet	
Name of Jurisdiction:	Kingston K-14 School District
Risk / Vulnerability	
Problem being Mitigated:	Lack of synergy/communication/coordination of mitigation in public/private partnerships, community development projects and integration of mitigation actions into other plans and economic and community development projects.
Hazard(s) Addressed:	All Hazards
Action or Project	
Action/Project Number:	6.1.3 [3.1]
Name of Action or Project:	Meetings on hazard mitigation with local/state/federal agencies to discuss mitigation projects, planning and cost-share programs.
Action or Project Description:	Hold annual meetings local/state/federal officials to discuss budgeting for mitigation projects, cost-share programs with property owners, including mitigation activities in all economic and community development projects, merge with other community planning and coordinate and integrate hazard mitigation activities, where appropriate, with emergency operations plans and procedures.
Applicable Goal Statement:	Reduce the potential impact of natural disaster on the continuity of government and essential services.
Estimated Cost:	\$0
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damages, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	School Board, Superintendent, SEMA Area Coordinator
Action/Project Priority:	28 - H
Timeline for Completion:	On-going – six months – one year
Potential Fund Sources:	N/A
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOP, Economic Development plans
Progress Report	
Action Status	Continuing - Ongoing
Report of Progress	The Region C SEMA area coordinator holds quarterly meetings in the region and discussions include a variety of topics, including mitigation. MRPC has provided information and presentations on mitigation at regular board meetings that included representatives from Washington County and its jurisdictions. Due to changes in elected officials, this is an ongoing activity.

Action 3.2: Purchase generators for critical facilities in the planning area as funding allows.

Action Worksheet	
Name of Jurisdiction:	Kingston K-14 School District
Risk / Vulnerability	
Problem being Mitigated:	Risks/vulnerabilities associated with power outages for critical infrastructure/facilities
Hazard(s) Addressed:	All Hazards
Action or Project	
Action/Project Number:	3.2
Name of Action or Project:	Purchase generators for critical facilities.
Action or Project Description:	Purchase generators for critical facilities in the planning area as funding allows.
Applicable Goal Statement:	Reduce the potential impact of natural disaster on the continuity of government and essential services.
Estimated Cost:	\$5,000 - \$100,000
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damages, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	Superintendent, School Board
Action/Project Priority:	26 – High Priority
Timeline for Completion:	On-going – one – five years
Potential Fund Sources:	Grants, local general revenue funds, private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	School Emergency Plan, Hazard Mitigation Plan
Progress Report	
Action Status	New Action Item – On-going
Report of Progress	No progress at this time.

Potosi R-III School District

Goal 1: Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the county.

Action 1.2.1 [1.2]: Obtain and update early warning systems and improved communication systems as funding allows.

Action Worksheet	
Name of Jurisdiction:	Potosi R-III School District
Risk / Vulnerability	
Problem being Mitigated:	Risks and vulnerabilities associated with the need to improve warning and communications systems throughout the county.
Hazard(s) Addressed:	All Hazards
Action or Project	
Action/Project Number:	1.2.1 [1.2]
Name of Action or Project:	Improving early warning systems and improved communications systems.
Action or Project Description:	Obtain and update early warning systems and improved communication systems as funding allows.
Applicable Goal Statement:	Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the county.
Estimated Cost:	Unknown.
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damage, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	Superintendent, School Board
Action/Project Priority:	24 – High Priority
Timeline for Completion:	On-going – one – five yeras
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOP
Progress Report	
Action Status	Revised and Continuing – in progress
Report of Progress	The Nixle early warning system is available to anyone who signs up in Washington County. Potosi R-III School District uses BlackBoard Connect as a text and cellphone warning/messaging system, but states that it needs upgraded. All entities in the county need to continue to work to improve communications systems within the county to improve county-wide as well as state-wide communications during disasters and joint response efforts.

Action 1.3.6 [1.5]: Construct storm shelters and tornado safe rooms near areas of high population densities (schools and large employers) as funding allows.

Action Worksheet	
Name of Jurisdiction:	Potosi R-III School District
Risk / Vulnerability	
Problem being Mitigated:	Risks/vulnerabilities associated with lack of storm shelters and tornado safe rooms.
Hazard(s) Addressed:	Severe storms/Tornados
Action or Project	
Action/Project Number:	1.3.6 [1.5]
Name of Action or Project:	Construct storm shelters and tornado safe rooms near areas of high population densities.
Action or Project Description:	Construct storm shelters and tornado safe rooms near areas of high population densities (schools and large employers) as funding allows.
Applicable Goal Statement:	Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the county.
Estimated Cost:	Unknown
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, loss-of-function/displacement impacts and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	Superintendent, School Board
Action/Project Priority:	22 –High Priority
Timeline for Completion:	On-going
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOP
Progress Report	
Action Status	Revised, Continuing – in progress
Report of Progress	Potosi R-III School District has a FEMA certified tornado shelter in the elementary school but would like to have additional shelters at other schools in the district. The district is currently applying for funds to build a FEMA certified tornado shelter that would serve both the Junior High and High School buildings.

Goal 3: Reduce the potential impact of natural disaster on the continuity of government and essential services.

Action 6.1.3 [3.1]: Meet with state/local/federal agencies annually to discuss budgeting for mitigation projects, cost-share programs with property owners, including mitigation activities in all economic and community development projects, merge with other community planning and coordinate and integrate hazard mitigation activities, where appropriate, with emergency operations plans and procedures.

Action Worksheet	
Name of Jurisdiction:	Potosi R-III School District
Risk / Vulnerability	
Problem being Mitigated:	Lack of synergy/communication/coordination of mitigation in public/private partnerships, community development projects and integration of mitigation actions into other plans and economic and community development projects.
Hazard(s) Addressed:	All Hazards
Action or Project	
Action/Project Number:	6.1.3 [3.1]
Name of Action or Project:	Meetings on hazard mitigation with local/state/federal agencies to discuss mitigation projects, planning and cost-share programs.
Action or Project Description:	Hold annual meetings local/state/federal officials to discuss budgeting for mitigation projects, cost-share programs with property owners, including mitigation activities in all economic and community development projects, merge with other community planning and coordinate and integrate hazard mitigation activities, where appropriate, with emergency operations plans and procedures.
Applicable Goal Statement:	Reduce the potential impact of natural disaster on the continuity of government and essential services.
Estimated Cost:	\$0
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damages, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	School Board, Superintendent, SEMA Area Coordinator
Action/Project Priority:	28 - H
Timeline for Completion:	On-going
Potential Fund Sources:	N/A
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOP, Economic Development plans
Progress Report	
Action Status	Continuing - Ongoing
Report of Progress	The Region C SEMA area coordinator holds quarterly meetings in the region and discussions include a variety of topics, including mitigation. MRPC has provided information and presentations on mitigation at regular board meetings that included representatives from Washington County and its jurisdictions. Due to changes in elected officials, this is an ongoing activity.

Action 3.2: Purchase generators for critical facilities in the planning area as funding allows.

Action Worksheet	
Name of Jurisdiction:	Potosi R-III School District
Risk / Vulnerability	
Problem being Mitigated:	Risks/vulnerabilities associated with power outages for critical infrastructure/facilities
Hazard(s) Addressed:	All Hazards
Action or Project	
Action/Project Number:	3.2
Name of Action or Project:	Purchase generators for critical facilities.
Action or Project Description:	Purchase generators for critical facilities in the planning area as funding allows.
Applicable Goal Statement:	Reduce the potential impact of natural disaster on the continuity of government and essential services.
Estimated Cost:	\$5,000 - \$100,000
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damages, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	Superintendent, School Board
Action/Project Priority:	26 – High Priority
Timeline for Completion:	On-going
Potential Fund Sources:	Grants, local general revenue funds, private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	School Emergency Plan, Hazard Mitigation Plan
Progress Report	
Action Status	New Action Item – On-going
Report of Progress	No progress at this time.

Richwoods R-VII School District

Goal 1: Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the county.

Action 1.2.1 [1.2]: Obtain and update early warning systems and improved communication systems as funding allows.

Action Worksheet	
Name of Jurisdiction:	Richwoods R-VII School District
Risk / Vulnerability	
Problem being Mitigated:	Risks and vulnerabilities associated with the need to improve warning and communications systems throughout the county.
Hazard(s) Addressed:	All Hazards
Action or Project	
Action/Project Number:	1.2.1 [1.2]
Name of Action or Project:	Improving early warning systems and improved communications systems.
Action or Project Description:	Obtain and update early warning systems and improved communication systems as funding allows.
Applicable Goal Statement:	Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the county.
Estimated Cost:	Unknown.
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damage, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	Superintendent, School Board
Action/Project Priority:	24 – High Priority
Timeline for Completion:	On-going
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOP
Progress Report	
Action Status	Revised and Continuing – in progress
Report of Progress	The Nixle early warning system is available to anyone who signs up in Washington County. Richwoods R-VII School District uses Textcaster as a text and cellphone warning/messaging system. All entities in the county need to continue to work to improve communications systems within the county to improve county-wide as well as state-wide communications during disasters and joint response efforts.

Action 1.3.6 [1.5]: Construct storm shelters and tornado safe rooms near areas of high population densities (schools and large employers) as funding allows.

Action Worksheet	
Name of Jurisdiction:	Richwoods R-VII School District
Risk / Vulnerability	
Problem being Mitigated:	Risks/vulnerabilities associated with lack of storm shelters and tornado safe rooms.
Hazard(s) Addressed:	Severe storms/Tornados
Action or Project	
Action/Project Number:	1.3.6 [1.5]
Name of Action or Project:	Construct storm shelters and tornado safe rooms near areas of high population densities.
Action or Project Description:	Construct storm shelters and tornado safe rooms near areas of high population densities (schools and large employers) as funding allows.
Applicable Goal Statement:	Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the county.
Estimated Cost:	Unknown
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, loss-of-function/displacement impacts and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	Superintendent, School Board
Action/Project Priority:	22 –High Priority
Timeline for Completion:	On-going
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOP
Progress Report	
Action Status	Revised, Continuing – no progress
Report of Progress	Richwoods R-VII School District does not have a FEMA certified tornado shelter.

Goal 3: Reduce the potential impact of natural disaster on the continuity of government and essential services.

Action 6.1.3 [3.1]: Meet with state/local/federal agencies annually to discuss budgeting for mitigation projects, cost-share programs with property owners, including mitigation activities in all economic and community development projects, merge with other community planning and coordinate and integrate hazard mitigation activities, where appropriate, with emergency operations plans and procedures.

Action Worksheet	
Name of Jurisdiction:	Richwoods R-VII School District
Risk / Vulnerability	
Problem being Mitigated:	Lack of synergy/communication/coordination of mitigation in public/private partnerships, community development projects and integration of mitigation actions into other plans and economic and community development projects.
Hazard(s) Addressed:	All Hazards
Action or Project	
Action/Project Number:	6.1.3 [3.1]
Name of Action or Project:	Meetings on hazard mitigation with local/state/federal agencies to discuss mitigation projects, planning and cost-share programs.
Action or Project Description:	Hold annual meetings local/state/federal officials to discuss budgeting for mitigation projects, cost-share programs with property owners, including mitigation activities in all economic and community development projects, merge with other community planning and coordinate and integrate hazard mitigation activities, where appropriate, with emergency operations plans and procedures.
Applicable Goal Statement:	Reduce the potential impact of natural disaster on the continuity of government and essential services.
Estimated Cost:	\$0
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damages, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	School Board, Superintendent, SEMA Area Coordinator
Action/Project Priority:	28 - H
Timeline for Completion:	On-going
Potential Fund Sources:	N/A
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOP, Economic Development plans
Progress Report	
Action Status	Continuing - Ongoing
Report of Progress	The Region C SEMA area coordinator holds quarterly meetings in the region and discussions include a variety of topics, including mitigation. MRPC has provided information and presentations on mitigation at regular board meetings that included representatives from Washington County and its jurisdictions. Due to changes in elected officials, this is an ongoing activity.

Action 3.2: Purchase generators for critical facilities in the planning area as funding allows.

Action Worksheet	
Name of Jurisdiction:	Richwoods R-VII School District
Risk / Vulnerability	
Problem being Mitigated:	Risks/vulnerabilities associated with power outages for critical infrastructure/facilities
Hazard(s) Addressed:	All Hazards
Action or Project	
Action/Project Number:	3.2
Name of Action or Project:	Purchase generators for critical facilities.
Action or Project Description:	Purchase generators for critical facilities in the planning area as funding allows.
Applicable Goal Statement:	Reduce the potential impact of natural disaster on the continuity of government and essential services.
Estimated Cost:	\$5,000 - \$100,000
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damages, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	Superintendent, School Board
Action/Project Priority:	26 – High Priority
Timeline for Completion:	On-going
Potential Fund Sources:	Grants, local general revenue funds, private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	School Emergency Plan, Hazard Mitigation Plan
Progress Report	
Action Status	New Action Item – On-going
Report of Progress	No progress at this time.

Valley R-VI School District

Goal 1: Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the county.

Action 1.2.1 [1.2]: Obtain and update early warning systems and improved communication systems as funding allows.

Action Worksheet	
Name of Jurisdiction:	Valley R-VI School District
Risk / Vulnerability	
Problem being Mitigated:	Risks and vulnerabilities associated with the need to improve warning and communications systems throughout the county.
Hazard(s) Addressed:	All Hazards
Action or Project	
Action/Project Number:	1.2.1 [1.2]
Name of Action or Project:	Improving early warning systems and improved communications systems.
Action or Project Description:	Obtain and update early warning systems and improved communication systems as funding allows.
Applicable Goal Statement:	Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the county.
Estimated Cost:	Unknown.
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damage, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	Superintendent, School Board
Action/Project Priority:	24 – High Priority
Timeline for Completion:	On-going
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOP
Progress Report	
Action Status	Revised and Continuing – in progress
Report of Progress	The Nixle early warning system is available to anyone who signs up in Washington County. Valley R-VI School District uses BlackBoard Connect as a text and cellphone warning/messaging system. All entities in the county need to continue to work to improve communications systems within the county to improve county-wide as well as state-wide communications during disasters and joint response efforts.

Action 1.3.6 [1.5]: Construct storm shelters and tornado safe rooms near areas of high population densities (schools and large employers) as funding allows.

Action Worksheet	
Name of Jurisdiction:	Valley R-VI School District
Risk / Vulnerability	
Problem being Mitigated:	Risks/vulnerabilities associated with lack of storm shelters and tornado safe rooms.
Hazard(s) Addressed:	Severe storms/Tornados
Action or Project	
Action/Project Number:	1.3.6 [1.5]
Name of Action or Project:	Construct storm shelters and tornado safe rooms near areas of high population densities.
Action or Project Description:	Construct storm shelters and tornado safe rooms near areas of high population densities (schools and large employers) as funding allows.
Applicable Goal Statement:	Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the county.
Estimated Cost:	Unknown
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, loss-of-function/displacement impacts and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	Superintendent, School Board
Action/Project Priority:	22 –High Priority
Timeline for Completion:	On-going
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOP
Progress Report	
Action Status	Revised, Continuing –no progress
Report of Progress	Valley R-VI School District has designated tornado shelters but they do not meet all of the FEMA standards.

Goal 3: Reduce the potential impact of natural disaster on the continuity of government and essential services.

Action 6.1.3 [3.1]: Meet with state/local/federal agencies annually to discuss budgeting for mitigation projects, cost-share programs with property owners, including mitigation activities in all economic and community development projects, merge with other community planning and coordinate and integrate hazard mitigation activities, where appropriate, with emergency operations plans and procedures.

Action Worksheet	
Name of Jurisdiction:	Valley R-VI School District
Risk / Vulnerability	
Problem being Mitigated:	Lack of synergy/communication/coordination of mitigation in public/private partnerships, community development projects and integration of mitigation actions into other plans and economic and community development projects.
Hazard(s) Addressed:	All Hazards
Action or Project	
Action/Project Number:	6.1.3 [3.1]
Name of Action or Project:	Meetings on hazard mitigation with local/state/federal agencies to discuss mitigation projects, planning and cost-share programs.
Action or Project Description:	Hold annual meetings local/state/federal officials to discuss budgeting for mitigation projects, cost-share programs with property owners, including mitigation activities in all economic and community development projects, merge with other community planning and coordinate and integrate hazard mitigation activities, where appropriate, with emergency operations plans and procedures.
Applicable Goal Statement:	Reduce the potential impact of natural disaster on the continuity of government and essential services.
Estimated Cost:	\$0
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damages, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	School Board, Superintendent, SEMA Area Coordinator
Action/Project Priority:	28 - H
Timeline for Completion:	On-going
Potential Fund Sources:	N/A
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOP, Economic Development plans
Progress Report	
Action Status	Continuing - Ongoing
Report of Progress	The Region C SEMA area coordinator holds quarterly meetings in the region and discussions include a variety of topics, including mitigation. MRPC has provided information and presentations on mitigation at regular board meetings that included representatives from Washington County and its jurisdictions. Due to changes in elected officials, this is an ongoing activity.

Action 3.2: Purchase generators for critical facilities in the planning area as funding allows.

Action Worksheet	
Name of Jurisdiction:	Valley R-VI School District
Risk / Vulnerability	
Problem being Mitigated:	Risks/vulnerabilities associated with power outages for critical infrastructure/facilities
Hazard(s) Addressed:	All Hazards
Action or Project	
Action/Project Number:	3.2
Name of Action or Project:	Purchase generators for critical facilities.
Action or Project Description:	Purchase generators for critical facilities in the planning area as funding allows.
Applicable Goal Statement:	Reduce the potential impact of natural disaster on the continuity of government and essential services.
Estimated Cost:	\$5,000 - \$100,000
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damages, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	Superintendent, School Board
Action/Project Priority:	26 – High Priority
Timeline for Completion:	On-going
Potential Fund Sources:	Grants, local general revenue funds, private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	School Emergency Plan, Hazard Mitigation Plan
Progress Report	
Action Status	New Action Item – On-going
Report of Progress	No progress at this time.