

## 4 MITIGATION STRATEGY

<b>4</b>	<b>MITIGATION STRATEGY .....</b>	<b>4.1</b>
4.1	Goals.....	4.1
4.2	Identification and Analysis of Mitigation Actions.....	4.2
4.3	Implementation of Mitigation Actions .....	4.10

**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 updated by the Mitigation Planning Committee (MPC) based on the updated risk assessment. The mitigation strategy was developed through a collaborative group process. The process included review of updated 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 Shelby County’s existing hazard mitigation plan approved by FEMA in 2013. Therefore, the goals from the 2013 Shelby County Hazard Mitigation Plan were reviewed to see if they were still valid, feasible, practical, and applicable to the defined hazard impacts. These goals are listed below:

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

The MPC conducted a discussion session during the second meeting to review and update the plan goals. To ensure that the goals developed for this update were comprehensive and supported State goals, the 2013 State Hazard Mitigation Plan goals were reviewed. It was determined the broadly stated purposes were still valid for the 2018 update.

## 4.2 Identification and Analysis of Mitigation Actions

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**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 second MPC meeting, the results of the risk assessment update was provided to the MPC members for review and the key issues were identified for specific hazards. Changes in risk since adoption of the previously approved plan were discussed. The second meeting concluded with the distribution of a list of possible mitigation actions to prompt discussions within and among the jurisdictions. The discussions occurred during the meeting. The list included possible new mitigation actions, as well as actions from the previously approved plan. 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.

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. Use of the problem statements allowed the MPC to recognize new and innovative strategies for mitigate risks in the planning area.

The focus of Meeting #3 was update of the mitigation strategy. For a comprehensive range of mitigation actions to consider, the MPC reviewed the following information during Meeting #3:

- A list of actions proposed in the previous mitigation plan, the current State Plan, and approved plans in surrounding counties,
- Key issues from the risk assessments, including the Problem Statements concluding each hazard profile and vulnerability analysis,
- State priorities established for Hazard Mitigation Assistance grants, and
- Public input during meetings, responses to Data Collection Questionnaires, and other efforts to involve the public in the plan development process.

For Meeting #3, individual jurisdictions, including school districts, developed final mitigation strategy for submission to the MPC. They were encouraged to review the details of the risk assessment vulnerability analysis specific to their jurisdiction. They were also provided a copy of 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.

The MPC reviewed the actions from the previously approved plan for progress made since the plan had been adopted. During meeting #2, the list of actions for each jurisdiction was provided to them and the jurisdictions not present they were mailed to the MPC representative along with the worksheets. Each jurisdiction was instructed to provide information regarding the "Action Status" with one of the following status choices:

- 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.

Based on the status updates, there were 26 completed actions, 152 deleted actions, and 31 continuing actions.

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

**Table 4.1. Action Status Summary**

Jurisdiction	Completed Actions	Deleted Actions	Continuing Actions
Shelby County	5	28	5
Bethel	2	19	4
Clarence	3	23	3
Hunnewell	1	14	4
Shelbina	3	40	7
Shelbyville	4	22	4
North Shelby School	4	3	2
South Shelby School	4	3	2

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

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

Completed Actions	Completion Details (date, amount, funding source)
<b>Bethel</b>	
Promote the outfitting of county school buses with two-way radios and/or cell phones	Cell phones on every school bus
Encourage schools to conduct programs on earthquake, tornado and fire safety.	Required by the state to hold drills
<b>Clarence</b>	
Promote the outfitting of county school buses with two-way radios and/or cell phones	Cell phones on every school bus
Encourage schools to conduct programs on earthquake, tornado and fire safety	Required by the state to hold drills
Investigate purchase of 2-way radios to keep in touch with county emergency personnel as funds become available	Radios were purchased
<b>Hunnewell</b>	
Investigate purchase of 2-way radios to keep in	Radios were purchased

touch with county emergency personnel as funds become available	
<b>Shelbina</b>	
Promote the outfitting of county school buses with two-way radios and/or cell phones	Cell phones on every school bus
Encourage schools to conduct programs on earthquake, tornado and fire safety.	Required by the state to hold drills
Investigate purchase of 2-way radios to keep in touch with county emergency personnel as funds become available	Radios were purchased
<b>Shelbyville</b>	
Provide "What to Do During Natural Hazards" brochures at city and county offices	Brochures are available to residents
Informational brochures on earthquake safety made available to the public at city hall and on city website. Articles published in local newspaper	Brochures are available to residents
Investigate purchase of 2-way radios to keep in touch with county emergency personnel as funds become available	Radios were purchased
Establish cooling centers	Cooling center was established
<b>Shelby County</b>	
Promote the outfitting of county school with two-way radios and/or cell phones	Cell phones on every school bus
Encourage schools to conduct programs on earthquake, tornado and fire safety.	Required by the state to hold drills
Training and certification of Emergency Management Director	Emergency Management Director received necessary training
Monthly testing of the warning siren. Participate in yearly State Severe Weather Awareness exercises	Warning siren is tested monthly
Investigate purchase of 2-way radios to keep in touch with county emergency personnel as funds become available	Radios were purchased
<b>North Shelby</b>	
Promote the outfitting of county school with two-way radios and/or cell phones	Cell phones on all school buses
Encourage schools to conduct programs on earthquake, tornado and fire safety.	Required by the state to hold drills
Fire alarm safety system is connected to 911 and Sheriff's office	Completed during expansion
Schools in the County conduct several drills throughout the school year	Required by the state to hold drills
<b>Shelby County R-IV</b>	
Promote the outfitting of county school with two-way radios and/or cell phones	Cell phones on all school buses
Encourage schools to conduct programs on earthquake, tornado and fire safety.	Required by the state to hold drills
Schools in the County conduct several drills throughout the school year	Required by the state to hold drills
Fire alarm safety system is connected to 911 and Sheriff's office	Alarms connected to 911
<b>Deleted Actions</b>	<b>Reason for Deletion</b>
<b>Bethel</b>	
Provide "What to Do During Natural Hazards" brochures at city and county offices	This was determined to not be a mitigation activity.
Provide information on how to create a personal emergency plan	This was determined to not be a mitigation activity.
Informational brochures on earthquake safety made available to the public at city hall and on city website. Articles published in local newspaper	This was determined to not be a mitigation activity.
Informational brochures available to public, newspaper articles	This was determined to not be a mitigation activity.

Cooperate with utility company to trim trees from power line easements	This was determined to be a daily or as necessary activity and not a mitigation activity
Incorporate the Hazard Mitigation Committee meetings with the LEPC Committee Meetings	This was determined to not be a mitigation activity.
Create and maintain a list of high risk individuals with respect to electric power needs	This was determined to not be a mitigation activity.
Monthly testing of the warning siren. Participate in yearly State Severe Weather Awareness exercises	This was determined to be a daily or as necessary activity and not a mitigation activity
Develop a supplemental plan for snow removal in addition to the state and county roads.	This was determined to be a daily or as necessary activity and not a mitigation activity
Investigate purchase of 2 way radio to keep in touch with county emergency personnel as funds become available.	This was determined to not be a mitigation activity.
Encourage Drought resistant farming practices and/or yard watering practices	This was determined to be a daily or as necessary activity and not a mitigation activity
Maintain and clean culverts on a regular schedule	This was determined to be a daily or as necessary activity and not a mitigation activity
Investigate possibility of conducting study on the storm water drainage system. Upgrade as funds become available	This was determined to not be a mitigation activity.
Investigate possibility of obtaining a portable generator for the sewer lagoon as funds become available.	This was determined to not be a mitigation activity.
Update and maintain list of buildings that are designated as shelters distribute list	This was determined to be a daily or as necessary activity and not a mitigation activity
Maintain transportation infrastructure	This was determined to be a daily or as necessary activity and not a mitigation activity
Maintain snow plowing and removal equipment	This was determined to be a daily or as necessary activity and not a mitigation activity
Develop a Disaster Management Plan for city. Post phone numbers of emergency aid agencies at the City Hall	This was determined to not be a mitigation activity.
Burning bans issued as needed	This was determined to be a daily or as necessary activity and not a mitigation activity
<b>Clarence</b>	
Provide "What to Do During Natural Hazards" brochures at city and county offices	This was determined to not be a mitigation activity.
Provide information on how to create a personal emergency plan	This was determined to not be a mitigation activity.
Informational brochures on earthquake safety made available to the public at city hall and on city website. Articles published in local newspaper	This was determined to not be a mitigation activity.
Informational brochures available to public, newspaper articles	This was determined to not be a mitigation activity.
Cooperate with utility company to trim trees from power line easements	This was determined to be a daily or as necessary activity and not a mitigation activity
Maintain Mutual Aid Agreements and update on regular schedule	This was determined to be a daily or as necessary activity and not a mitigation activity
Incorporate the Hazard Mitigation Committee meetings with the LEPC Committee Meetings	This was determined to not be a mitigation activity.
Review of storm water drainage system and upgrade as funds become available	This was determined to not be a mitigation activity.
Conduct regularly scheduled training for weather spotters. Meet with all fire departments to set up training and contracts. Investigate expanding the program	This was determined to be a daily or as necessary activity and not a mitigation activity
Evaluate and update as needed the Emergency operations Center, communications systems.	This was determined to be a daily or as necessary activity and not a mitigation activity
Monthly testing of the warning siren. Participate in yearly State Severe Weather Awareness exercises	This was determined to be a daily or as necessary activity and not a mitigation activity
Designate a location for compost and debris as needed and funds become available	This was determined to be a daily or as necessary activity and not a mitigation activity

Encourage Drought resistant farming practices and/or yard watering practices	This was determined to be a daily or as necessary activity and not a mitigation activity
Update and maintain list of buildings that are designated as shelters distribute list	This was determined to not be a mitigation activity.
Maintain and replace missing county road and/or street signs	This was determined to be a daily or as necessary activity and not a mitigation activity
Maintain transportation infrastructure	This was determined to be a daily or as necessary activity and not a mitigation activity
Maintain snow plowing and removal equipment	This was determined to be a daily or as necessary activity and not a mitigation activity
Distributed information on how to retrofit windows with safety glass in schools, daycares and nursing homes	This was determined to be a daily or as necessary activity and not a mitigation activity
Burning bans issued as needed	This was determined to be a daily or as necessary activity and not a mitigation activity
Update Emergency Operating Plan on a regular schedule, at least yearly	This was determined to be a daily or as necessary activity and not a mitigation activity
Emergency snow routes are designated by city ordinance	This was determined to be a daily or as necessary activity and not a mitigation activity
Provide training on building code enforcement	This was determined to be a daily or as necessary activity and not a mitigation activity
<b>Hunnewell</b>	
Provide "What to Do During Natural Hazards" brochures at city and county offices	This was determined to not be a mitigation activity.
Cooperate with utility company to trim trees from power line easements	This was determined to be a daily or as necessary activity and not a mitigation activity
Encourage schools to conduct programs on earthquake, tornado and fire safety	This was determined to be a daily or as necessary activity and not a mitigation activity
Incorporate the Hazard Mitigation Committee meetings with the LEPC Committee Meetings	This was determined to be a daily or as necessary activity and not a mitigation activity
Monthly testing of the warning siren. Participate in yearly State Severe Weather Awareness exercises	This was determined to be a daily or as necessary activity and not a mitigation activity
Encourage Drought resistant farming practices and/or yard watering practices	This was determined to not be a mitigation activity.
Maintain and clean culverts on a regular schedule	This was determined to be a daily or as necessary activity and not a mitigation activity
Investigate possibility of conducting study on the storm water drainage system. Upgrade as funds become available	This was determined to be a daily or as necessary activity and not a mitigation activity
Update and maintain list of buildings that are designated as shelters distribute list	This was determined to be a daily or as necessary activity and not a mitigation activity
Burning bans issued as needed	This was determined to be a daily or as necessary activity and not a mitigation activity
Part-time building inspector available as needed	This was determined to not be a mitigation activity.
Enforcement of Sewer and storm water drainage ordinance	This was determined to not be a mitigation activity.
<b>Shelbina</b>	
Provide "What to Do During Natural Hazards" brochures at city and county offices	This was determined to not be a mitigation activity.
Make Design Construction Awareness brochures available	This was determined to not be a mitigation activity.
Informational brochures on earthquake safety made available to the public at city hall and on city website. Articles published in local newspaper	This was determined to not be a mitigation activity.
Informational brochures available to public, newspaper articles	This was determined to not be a mitigation activity.
Cooperate with utility company to trim trees from power line easements	This was determined to be a daily or as necessary activity and not a mitigation activity
Promote the outfitting of county school buses with two-way radios and/or cell phones	This was determined to be a daily or as necessary activity and not a mitigation activity
Encourage schools to conduct programs on earthquake, tornado and fire safety	This was determined to be a daily or as necessary activity and not a mitigation activity

Maintain Mutual Aid Agreements and update on regular schedule	This was determined to be a daily or as necessary activity and not a mitigation activity
Incorporate the Hazard Mitigation Committee meetings with the LEPC Committee Meetings	This was determined to be a daily or as necessary activity and not a mitigation activity
Review of storm water drainage system and upgrade as funds become available	This was determined to be a daily or as necessary activity and not a mitigation activity
Create and maintain a list of high risk individuals with respect to electric power needs	This was determined to be a daily or as necessary activity and not a mitigation activity
Conduct regularly scheduled training for weather spotters. Meet with all fire departments to set up training and contracts. Investigate expanding the program	This was determined to be a daily or as necessary activity and not a mitigation activity
Evaluate and update as needed the Emergency operations Center, communications systems.	This was determined to be a daily or as necessary activity and not a mitigation activity
Training and certification of Emergency Management Director	This was determined to be a daily or as necessary activity and not a mitigation activity
Work with local cable company to make severe weather announcements as needed.	This was determined to be a daily or as necessary activity and not a mitigation activity
Monthly testing of the warning siren. Participate in yearly State Severe Weather Awareness exercises	This was determined to be a daily or as necessary activity and not a mitigation activity
Designate a location for compost and debris as needed and funds become available	This was determined to be a daily or as necessary activity and not a mitigation activity
Encourage Drought resistant farming practices and/or yard watering practices	This was determined to be a daily or as necessary activity and not a mitigation activity
Issue city-wide water conservation practices by ordinance	This was determined to be a daily or as necessary activity and not a mitigation activity
Review storm water drainage system and upgrade as needed and funds become available	This was determined to not be a mitigation activity.
Investigate having an engineering study conducted to prevent inflow and infiltration into waste water sanitation system. Rehabilitate or upgrade as funds become available.	This was determined to not be a mitigation activity.
Maintain and clean culverts on a regular schedule	This was determined to be a daily or as necessary activity and not a mitigation activity
Update and maintain list of buildings that are designated as shelters distribute list	This was determined to be a daily or as necessary activity and not a mitigation activity
Investigate possibility of obtaining back-up generator for the Water Treatment and Waste Water Treatment Plants as funds become available.	This was determined to not be a mitigation activity.
Maintain and replace missing county road and/or street signs	This was determined to be a daily or as necessary activity and not a mitigation activity
Maintain transportation infrastructure	This was determined to be a daily or as necessary activity and not a mitigation activity
Utilities are being placed underground in the business districts and new subdivisions. In addition the city offers electric incentives for new and existing services that are placed underground.	This was determined to be a daily or as necessary activity and not a mitigation activity
Maintain snow plowing and removal equipment	This was determined to be a daily or as necessary activity and not a mitigation activity
Maintain adequate supply of salt and chips for city streets and county roads in icy weather	This was determined to be a daily or as necessary activity and not a mitigation activity
Activate back-up water system to pump water from Salt River into Lake Shelbina (City water supply) as needed	This was determined to be a daily or as necessary activity and not a mitigation activity
Investigate the possibility of building a new EOC for the city as funds become available	This was determined to be a daily or as necessary activity and not a mitigation activity
Develop a Disaster Management Plan for city. Post phone numbers of emergency aid agencies at the City Hall	This was determined to be a daily or as necessary activity and not a mitigation activity
Identify repetitive damage properties	This was determined to be a daily or as necessary activity and

	not a mitigation activity
Identify surface water drainage obstructions, bridge improvements, and bank stabilizations	This was determined to not be a mitigation activity.
Maintain and update Floodplain ordinance as needed. Shelbina will continue to comply and implement the NFIP requirements and to reduce the flood risks associated with the Flood Hazard Areas Shelbina joined the NFIP in 1998	This was determined to not be a mitigation activity.
Burning bans issued as needed	This was determined to be a daily or as necessary activity and not a mitigation activity
Update Emergency Operating Plan on a regular schedule, at least yearly	
Emergency snow routes are designated by city ordinance	This was determined to be a daily or as necessary activity and not a mitigation activity
Enforcement of current building codes, BOCA	This was determined to be a daily or as necessary activity and not a mitigation activity
<b>Shelbyville</b>	
Make Design Construction Awareness brochures available	This was determined to not be a mitigation activity.
Promote use of NOAA radios in schools, nursing homes, businesses, private homes and large gatherings	This was determined to not be a mitigation activity.
Cooperate with utility company to trim trees from power line easements	This was determined to not be a mitigation activity.
Promote the outfitting of county school buses with two-way radios and/or cell phones	This was determined to not be a mitigation activity.
Encourage schools to conduct programs on earthquake, tornado and fire safety	This was determined to not be a mitigation activity.
Maintain Mutual Aid Agreements and update on regular schedule	This was determined to be a daily or as necessary activity and not a mitigation activity
Incorporate the Hazard Mitigation Committee meetings with the LEPC Committee Meetings	This was determined to not be a mitigation activity.
Review of storm water drainage system and upgrade as funds become available	Not a Mitigation Activity
Conduct regularly scheduled training for weather spotters. Meet with all fire departments to set up training and contracts. Investigate expanding the program	This was determined to be a daily or as necessary activity and not a mitigation activity
Evaluate and update as needed the Emergency operations Center, communications systems.	This was determined to be a daily or as necessary activity and not a mitigation activity
Monthly testing of the warning siren. Participate in yearly State Severe Weather Awareness exercises	This was determined to be a daily or as necessary activity and not a mitigation activity
Encourage Drought resistant farming practices and/or yard watering practices	This was determined to be a daily or as necessary activity and not a mitigation activity
Maintain and clean culverts on a regular schedule	This was determined to be a daily or as necessary activity and not a mitigation activity
Investigate possibility of conducting study on the storm water drainage system. Upgrade as funds become available	This was determined to not be a mitigation activity.
Update and maintain list of buildings that are designated as shelters distribute list	This was determined to not be a mitigation activity.
Maintain and replace missing county road and/or street signs	This was determined to not be a mitigation activity.
Maintain transportation infrastructure	This was determined to be a daily or as necessary activity and not a mitigation activity
Maintain snow plowing and removal equipment	This was determined to be a daily or as necessary activity and not a mitigation activity
Burning bans issued as needed	This was determined to be a daily or as necessary activity and not a mitigation activity
Update Emergency Operating Plan on a regular schedule, at least yearly	This was determined to not be a mitigation activity.
<b>Shelby County</b>	
Provide "What to Do During Natural Hazards"	This was determined to not be a mitigation activity.

brochures at city and county offices	
Make Design Construction Awareness brochures available	This was determined to not be a mitigation activity.
Informational brochures on earthquake safety made available to the public at city hall and on city website. Articles published in local newspaper	This was determined to not be a mitigation activity.
Cooperate with utility company to trim trees from power line easements	This was determined to be a daily or as necessary activity and not a mitigation activity
Encourage schools to conduct programs on earthquake, tornado and fire safety	This was determined to be a daily or as necessary activity and not a mitigation activity
Maintain Mutual Aid Agreements and update on regular schedule	This was determined to be a daily or as necessary activity and not a mitigation activity
Incorporate the Hazard Mitigation Committee meetings with the LEPC Committee Meetings	This was determined to be a daily or as necessary activity and not a mitigation activity
Training and certification of Emergency Management Director	This was determined to be a daily or as necessary activity and not a mitigation activity
Develop a sustainable process for monitoring countywide mitigation activities. Regular schedule of meetings.	This was determined to not be a mitigation activity.
Monthly testing of the warning siren. Participate in yearly State Severe Weather Awareness exercises	This was determined to be a daily or as necessary activity and not a mitigation activity
Designate a location for compost and debris as needed and funds become available	This was determined to be a daily or as necessary activity and not a mitigation activity
Encourage Drought resistant farming practices and/or yard watering practices	This was determined to be a daily or as necessary activity and not a mitigation activity
Maintain and clean culverts on a regular schedule	This was determined to be a daily or as necessary activity and not a mitigation activity
Update and maintain list of buildings that are designated as shelters distribute list	This was determined to be a daily or as necessary activity and not a mitigation activity
Provide a standby crew for road clearing during winter months.	This was determined to be a daily or as necessary activity and not a mitigation activity
Evaluate & upgrade as needed the current emergency response communication infrastructure as funds become available	This was determined to be a daily or as necessary activity and not a mitigation activity
Maintain and replace missing county road and/or street signs	This was determined to be a daily or as necessary activity and not a mitigation activity
Maintain transportation infrastructure	This was determined to be a daily or as necessary activity and not a mitigation activity
Investigate the construction of secure storage facility for all county records as funds become available	This was determined to not be a mitigation activity.
Maintain snow plowing and removal equipment	This was determined to be a daily or as necessary activity and not a mitigation activity
Maintain adequate supply of salt and chips for city streets and county roads in icy weather	This was determined to be a daily or as necessary activity and not a mitigation activity
Distributed information on how to retrofit windows with safety glass in schools, daycares and nursing homes	This was determined to not be a mitigation activity.
Identify repetitive damage properties	This was determined to be a daily or as necessary activity and not a mitigation activity
Identify surface water drainage obstructions, bridge improvements, and bank stabilizations	This was determined to be a daily or as necessary activity and not a mitigation activity
Maintain and update Floodplain ordinance as needed. Shelbina will continue to comply and implement the NFIP requirements and to reduce the flood risks associated with the Flood Hazard Areas Shelbina joined the NFIP in 1998	This was determined to not be a mitigation activity.
Burning bans issued as needed	This was determined to be a daily or as necessary activity and not a mitigation activity
Update Emergency Operating Plan on a regular schedule, at least yearly	This was determined to be a daily or as necessary activity and not a mitigation activity
<b>North Shelby</b>	
Informational brochures on earthquake safety	This was determined to not be a mitigation activity.

made available to the public at city hall and on city website. Articles published in local newspaper	
Provide "What to Do During Natural Hazards" brochures at city and county offices	This was determined to not be a mitigation activity.
Schools in the County conduct several drills throughout the school year	This was determined to not be a mitigation activity.
<b>Shelby County R-IV</b>	
Schools in the County conduct several drills throughout the school year	Required by the state to hold drills
Informational brochures on earthquake safety made available to the public at city hall and on city website. Articles published in local newspaper	This was determined to not be a mitigation activity.
Provide "What to Do During Natural Hazards" brochures at city and county offices	This was determined to not be a mitigation activity.

Source: Previously approved County Hazard Mitigation Plan; 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 finalize the actions to be submitted for 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.

The plan must indicate if the prioritization process and/or methodology have changed since the previous plan's adoption. If the process has changed, describe how it changed and why it changed. If the prioritization process and methodology have not changed, state this here in the plan with a description. Sample text if FEMA's suggested STAPLEE methodology is used follows: 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 used worksheets to assign scores. The worksheets 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?

The final scores are listed below in the analysis of each action. The worksheets are attached to this plan as Appendix A. The STAPLEE final score for each action, absent other considerations, such as a localized need for a project, determined the priority. Low priority action items were those that had a total score of between 0 and 24. Moderate priority actions were those scoring between 25 and 29. High priority actions scored 30 or above. A blank STAPLEE worksheet is shown in Figure 4.1

Figure 4.1. Blank STAPLEE Worksheet

**XXXXXX COUNTY  
MULTI-JURISDICTIONAL  
LOCAL HAZARD MITIGATION PLAN**

<b>Action Title:</b>		<b>Jurisdiction:</b>	
<b>Action ID:</b>			
STAPLEE Criteria	Evaluation Rating Definitely YES = 3 Maybe YES = 2 Probably NO = 1 Definitely NO = 0	Score	
S: Is it Socially acceptable?			
T: Is it Technically feasible and potentially successful?			
A: Does the jurisdiction have the administrative capacity to execute this action?			
P: Is it Politically acceptable?			
L: Is there Legal authority to implement?			
E: Is it Economically beneficial?			
E: Will the project have either a neutral or positive impact on the natural environment? (score a 3 if positive impact, 2 if neutral impact)			
Will historic structures be saved or protected?			
Could it be implemented quickly?			
<b>STAPLEE Score</b>			

Mitigation Effectiveness Criteria	Evaluation Rating	Score	
Will the implemented action result in lives saved?	Assign from 5-10 points based on the likelihood that lives would be saved.		
Will the implemented action result in a reduction of disaster damages?	Assign from 5-10 points based on the relative reduction of disaster damages.		
<b>Mitigation Effectiveness Score</b>			

Total Score (STAPLEE Score + Mitigation Effectiveness Score): \_\_\_\_\_

Priority Level:  High (30+ points)       Medium (25-29 points)       Low (less than 25 points)

Completed by (name/title/phone #): \_\_\_\_\_

## 2018 Updated Strategy

### Shelby County

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

#### Action MPC 1801

<b>Action Worksheet</b>	
<b>Name of Jurisdiction:</b>	Shelby County
<b>Risk / Vulnerability</b>	
<b>Problem being Mitigated:</b>	Inability to quickly inform the public of impending disasters or severe weather warnings. Greater advance notice will allow residents and businesses more opportunity to take necessary precautions.
<b>Hazard(s) Addressed:</b>	ST T SWW ET
<b>Action or Project</b>	
<b>Action/Project Number:</b>	MPC 1801
<b>Name of Action or Project:</b>	<b>Promote NOAA Radio Use in schools, nursing homes, businesses, private homes and large gatherings.</b>
<b>Action or Project Description:</b>	Promote the use of NOAA radios
<b>Applicable Goal Statement:</b>	Goal 1: Public Awareness- Using a variety of communications avenue to increase the citizens awareness of and promote education about the natural hazards that may face, their vulnerability to these hazards, and how to lessen the effect of future natural hazards.
<b>Estimated Cost:</b>	\$0
<b>Benefits:</b>	Lives are protected.
<b>Plan for Implementation</b>	
<b>Responsible Organization/Department:</b>	Shelby County EMD
<b>Action/Project Priority:</b>	Low
<b>Timeline for Completion:</b>	2018 to 2020
<b>Potential Fund Sources:</b>	N/A
<b>Local Planning Mechanisms to be Used in Implementation, if any:</b>	Hazard Mitigation Plan, County Emergency Operations Plan
<b>Progress Report</b>	
<b>Action Status</b>	Continuing
<b>Report of Progress</b>	Continuing to support the use

**Action MPC 1802**

<b>Action Worksheet</b>	
<b>Name of Jurisdiction:</b>	Shelby County
<b>Risk / Vulnerability</b>	
<b>Problem being Mitigated:</b>	Shelters lack backup power sources, making them and the people they serve vulnerable to the uncontrollable.
<b>Hazard(s) Addressed:</b>	RF LF DQ ST T SWW ET F A PH TX U
<b>Action or Project</b>	
<b>Action/Project Number:</b>	MPC 1802
<b>Name of Action or Project:</b>	<b>Obtain sufficient back-up generators for shelters.</b>
<b>Action or Project Description:</b>	Research ways to purchase back-up generators for shelters.
<b>Applicable Goal Statement:</b>	Goal 1: Public Awareness- Using a variety of communications avenue to increase the citizens awareness of and promote education about the natural hazards that may face, their vulnerability to these hazards, and how to lessen the effect of future natural hazards.
<b>Estimated Cost:</b>	\$30,000
<b>Benefits:</b>	Lives will be protected from hazards such as extreme heat and cold
<b>Plan for Implementation</b>	
<b>Responsible Organization/Department:</b>	Shelby County EMD
<b>Action/Project Priority:</b>	High
<b>Timeline for Completion:</b>	2020
<b>Potential Fund Sources:</b>	N/A
<b>Local Planning Mechanisms to be Used in Implementation, if any:</b>	Hazard Mitigation Plan, County Emergency Operations Plan
<b>Progress Report</b>	
<b>Action Status</b>	Continuing
<b>Report of Progress</b>	Continuing to support he search to purchase generators

**Action MPC 1803**

<b>Action Worksheet</b>	
<b>Name of Jurisdiction:</b>	Shelby County
<b>Risk / Vulnerability</b>	
<b>Problem being Mitigated:</b>	Lack adequate training on disaster preparedness
<b>Hazard(s) Addressed:</b>	AH
<b>Action or Project</b>	
<b>Action/Project Number:</b>	MPC 1803
<b>Name of Action or Project:</b>	Participate in regularly scheduled Table-Top exercises and mock emergency exercises.
<b>Action or Project Description:</b>	Identify and participate in Table-top exercises to gain adequate training.
<b>Applicable Goal Statement:</b>	Goal 1: Public Awareness- Using a variety of communications avenue to increase the citizens awareness of and promote education about the natural hazards that may face, their vulnerability to these hazards, and how to lessen the effect of future natural hazards.
<b>Estimated Cost:</b>	\$0
<b>Benefits:</b>	Trained individuals to respond to emergency situations
<b>Plan for Implementation</b>	
<b>Responsible Organization/Department:</b>	Shelby County EMD
<b>Action/Project Priority:</b>	High
<b>Timeline for Completion:</b>	Ongoing
<b>Potential Fund Sources:</b>	N/A
<b>Local Planning Mechanisms to be Used in Implementation, if any:</b>	Hazard Mitigation Plan, Local Emergency Management Director
<b>Progress Report</b>	
<b>Action Status</b>	Continuing
<b>Report of Progress</b>	Continuing to support emergency personnel in obtaining additional training,

Goal 2 Strengthen communication and coordination between local governments, emergency personnel, public agencies, and citizens to mitigate the effect of future natural hazards.

**Action MPC 1804**

<b>Action Worksheet</b>	
<b>Name of Jurisdiction:</b>	Shelby County
<b>Risk / Vulnerability</b>	
<b>Problem being Mitigated:</b>	Emergency communications lack the ability to continue operations if a disaster occurs
<b>Hazard(s) Addressed:</b>	RF LF DQ ST T SWW ET F A PH TX U
<b>Action or Project</b>	
<b>Action/Project Number:</b>	MPC 1804
<b>Name of Action or Project:</b>	<b>Obtain sufficient back-up generators to maintain communications for all emergency personnel as funds become available.</b>
<b>Action or Project Description:</b>	Purchase generators to provide back-up power to maintain communications for emergency personnel.
<b>Applicable Goal Statement:</b>	Goal 2 Strengthen communication and coordination between local governments, emergency personnel, public agencies, and citizens to mitigate the effect of future natural hazards.
<b>Estimated Cost:</b>	\$30,000
<b>Benefits:</b>	During a disaster emergency communications will be able to continue operations and provide services.
<b>Plan for Implementation</b>	
<b>Responsible Organization/Department:</b>	Shelby County EMD
<b>Action/Project Priority:</b>	High
<b>Timeline for Completion:</b>	2018 to 2020
<b>Potential Fund Sources:</b>	N/A
<b>Local Planning Mechanisms to be Used in Implementation, if any:</b>	Hazard Mitigation Plan, Local Emergency Planning Committee
<b>Progress Report</b>	
<b>Action Status</b>	Continuing
<b>Report of Progress</b>	Continuing to support the research to purchase back-up generators

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

**Action MPC 1805**

<b>Action Worksheet</b>	
<b>Name of Jurisdiction:</b>	Shelby County
<b>Risk / Vulnerability</b>	
<b>Problem being Mitigated:</b>	If conditions of the dams are not maintained, structural problems may occur and result in disastrous breaches during flood events.
<b>Hazard(s) Addressed:</b>	DF
<b>Action or Project</b>	
<b>Action/Project Number:</b>	MPC 1805
<b>Name of Action or Project:</b>	<b>Encourage landowners to inspect and maintain their dams and levees according to Dept. of Natural Resources standards. Schedule regular inspection and maintenance of dams at city lakes.</b>
<b>Action or Project Description:</b>	Conduct regular inspections of dams and levees to meet DNR regulations.
<b>Applicable Goal Statement:</b>	Goal 3: Investigate, implement, maintain, and enforce mitigation policies and programs that limit that impact of natural hazards; on the loss of life; on new and existing properties; on natural resources; on infrastructure; and on the local economy.
<b>Estimated Cost:</b>	This action did not require funding
<b>Benefits:</b>	Protection of lives and property.
<b>Plan for Implementation</b>	
<b>Responsible Organization/Department:</b>	Shelby County EMD
<b>Action/Project Priority:</b>	High
<b>Timeline for Completion:</b>	No timeline established
<b>Potential Fund Sources:</b>	N/A
<b>Local Planning Mechanisms to be Used in Implementation, if any:</b>	Hazard Mitigation Plan
<b>Progress Report</b>	
<b>Action Status</b>	Continuing
<b>Report of Progress</b>	Continuing to support the inspection of dams and levees

## Action MPC 1806

<b>Action Worksheet</b>	
<b>Name of Jurisdiction:</b>	Shelby County
<b>Risk / Vulnerability</b>	
<b>Problem being Mitigated:</b>	Low water crossings flood and are not accessible, existing bridges are damaged by flooding and roads flood during periods of heavy rains.
<b>Hazard(s) Addressed:</b>	Flood
<b>Action or Project</b>	
<b>Action/Project Number:</b>	MPC 1806
<b>Name of Action or Project:</b>	Replace existing bridges, replace low water crossings with bridges and raise flood prone roads.
<b>Action or Project Description:</b>	Replace bridges, low water crossings and raise roads.
<b>Applicable Goal Statement:</b>	Goal 3: Investigate, implement, maintain, and enforce mitigation policies and programs that limit that impact of natural hazards; on the loss of life; on new and existing properties; on natural resources; on infrastructure; and on the local economy.
<b>Estimated Cost:</b>	\$1,000,000
<b>Benefits:</b>	Bridges will be safe, low water crossings will be accessible and roads that typically flood will no longer flood.
<b>Plan for Implementation</b>	
<b>Responsible Organization/Department:</b>	Shelby County EMD
<b>Action/Project Priority:</b>	High
<b>Timeline for Completion:</b>	2020
<b>Potential Fund Sources:</b>	Emergency Preparedness Grants
<b>Local Planning Mechanisms to be Used in Implementation, if any:</b>	Hazard Mitigation Plan
<b>Progress Report</b>	
<b>Action Status</b>	New
<b>Report of Progress</b>	New action item with no progress to date.

**Action MPC 1807**

<b>Action Worksheet</b>	
<b>Name of Jurisdiction:</b>	Shelby County
<b>Risk / Vulnerability</b>	
<b>Problem being Mitigated:</b>	Providing shelter during a storm or disaster
<b>Hazard(s) Addressed:</b>	AH
<b>Action or Project</b>	
<b>Action/Project Number:</b>	MPC 1807
<b>Name of Action or Project:</b>	Safe Rooms
<b>Action or Project Description:</b>	Shelters/ Safe Rooms for residents
<b>Applicable Goal Statement:</b>	Goal 3: Investigate, implement, maintain, and enforce mitigation policies and programs that limit that impact of natural hazards; on the loss of life; on new and existing properties; on natural resources; on infrastructure; and on the local economy.
<b>Estimated Cost:</b>	\$2,000,000
<b>Benefits:</b>	Residents are provided a safe place during storms/disasters
<b>Plan for Implementation</b>	
<b>Responsible Organization/Department:</b>	Shelby County EMD
<b>Action/Project Priority:</b>	High
<b>Timeline for Completion:</b>	2020
<b>Potential Fund Sources:</b>	Emergency Preparedness Grants
<b>Local Planning Mechanisms to be Used in Implementation, if any:</b>	Hazard Mitigation Plan
<b>Progress Report</b>	
<b>Action Status</b>	New
<b>Report of Progress</b>	New action item with no progress to date.

## Shelbina

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

### Action MPC 1808

<b>Action Worksheet</b>	
<b>Name of Jurisdiction:</b>	Shelbina
<b>Risk / Vulnerability</b>	
<b>Problem being Mitigated:</b>	Early notification of an impending disaster or severe weather warning.
<b>Hazard(s) Addressed:</b>	ST T SWW ET
<b>Action or Project</b>	
<b>Action/Project Number:</b>	MPC 1808
<b>Name of Action or Project:</b>	Investigate purchasing NOAA radios for several locations within the city.
<b>Action or Project Description:</b>	Several locations within the city is without a NOAA radio and research needs to be conducted to purchase the radios.
<b>Applicable Goal Statement:</b>	Goal 1: Public Awareness- Using a variety of communications avenue to increase the citizens awareness of and promote education about the natural hazards that may face, their vulnerability to these hazards, and how to lessen the effect of future natural hazards.
<b>Estimated Cost:</b>	\$1,200
<b>Benefits:</b>	Lives are protected.
<b>Plan for Implementation</b>	
<b>Responsible Organization/Department:</b>	City Superintendent
<b>Action/Project Priority:</b>	High
<b>Timeline for Completion:</b>	2018 to 2020
<b>Potential Fund Sources:</b>	N/A
<b>Local Planning Mechanisms to be Used in Implementation, if any:</b>	Hazard Mitigation Plan, Emergency Management Coordinator
<b>Progress Report</b>	
<b>Action Status</b>	Continuing
<b>Report of Progress</b>	Continuing to research possible ways to purchase NOAA radios

**Action MPC 1809**

<b>Action Worksheet</b>	
<b>Name of Jurisdiction:</b>	Shelbina
<b>Risk / Vulnerability</b>	
<b>Problem being Mitigated:</b>	Shelters lack backup power sources, making them and the people they serve vulnerable to the uncontrollable.
<b>Hazard(s) Addressed:</b>	RF LF DQ ST T SWW ET F A PH TX U
<b>Action or Project</b>	
<b>Action/Project Number:</b>	MPC 1809
<b>Name of Action or Project:</b>	<b>Obtain sufficient back-up generators for shelters.</b>
<b>Action or Project Description:</b>	Research ways to purchase back-up generators for shelters.
<b>Applicable Goal Statement:</b>	Goal 1: Public Awareness- Using a variety of communications avenue to increase the citizens awareness of and promote education about the natural hazards that may face, their vulnerability to these hazards, and how to lessen the effect of future natural hazards.
<b>Estimated Cost:</b>	\$30,000
<b>Benefits:</b>	Lives will be protected from hazards such as extreme heat and cold
<b>Plan for Implementation</b>	
<b>Responsible Organization/Department:</b>	City Superintendent
<b>Action/Project Priority:</b>	High
<b>Timeline for Completion:</b>	2020
<b>Potential Fund Sources:</b>	N/A
<b>Local Planning Mechanisms to be Used in Implementation, if any:</b>	Hazard Mitigation Plan
<b>Progress Report</b>	
<b>Action Status</b>	Continuing
<b>Report of Progress</b>	Continuing to support he search to purchase generators

**Action MPC 1810**

<b>Action Worksheet</b>	
<b>Name of Jurisdiction:</b>	Shelbina
<b>Risk / Vulnerability</b>	
<b>Problem being Mitigated:</b>	Lack adequate training on disaster preparedness
<b>Hazard(s) Addressed:</b>	AH
<b>Action or Project</b>	
<b>Action/Project Number:</b>	MPC 1810
<b>Name of Action or Project:</b>	Participate in regularly scheduled Table-Top exercises and mock emergency exercises.
<b>Action or Project Description:</b>	Identify and participate in Table-top exercises to gain adequate training.
<b>Applicable Goal Statement:</b>	Goal 1: Public Awareness- Using a variety of communications avenue to increase the citizens awareness of and promote education about the natural hazards that may face, their vulnerability to these hazards, and how to lessen the effect of future natural hazards.
<b>Estimated Cost:</b>	\$0
<b>Benefits:</b>	Trained individuals to respond to emergency situations
<b>Plan for Implementation</b>	
<b>Responsible Organization/Department:</b>	City Superintendent
<b>Action/Project Priority:</b>	High
<b>Timeline for Completion:</b>	Ongoing
<b>Potential Fund Sources:</b>	N/A
<b>Local Planning Mechanisms to be Used in Implementation, if any:</b>	Hazard Mitigation Plan, Emergency Management Coordinator
<b>Progress Report</b>	
<b>Action Status</b>	Continuing
<b>Report of Progress</b>	Continuing to support emergency personnel in obtaining additional training,

Goal 2 Strengthen communication and coordination between local governments, emergency personnel, public agencies, and citizens to mitigate the effect of future natural hazards.

**Action MPC 1811**

<b>Action Worksheet</b>	
<b>Name of Jurisdiction:</b>	Shelbina
<b>Risk / Vulnerability</b>	
<b>Problem being Mitigated:</b>	Emergency communications lack the ability to continue operations if a disaster occurs
<b>Hazard(s) Addressed:</b>	RF LF DQ ST T SWW ET F A PH TX U
<b>Action or Project</b>	
<b>Action/Project Number:</b>	MPC 1811
<b>Name of Action or Project:</b>	Obtain sufficient back-up generators to maintain communications for all emergency personnel as funds become available.
<b>Action or Project Description:</b>	Purchase generators to provide back-up power to maintain communications for emergency personnel.
<b>Applicable Goal Statement:</b>	Goal 2 Strengthen communication and coordination between local governments, emergency personnel, public agencies, and citizens to mitigate the effect of future natural hazards.
<b>Estimated Cost:</b>	\$30,000
<b>Benefits:</b>	During a disaster emergency communications will be able to continue operations and provide services.
<b>Plan for Implementation</b>	
<b>Responsible Organization/Department:</b>	City Superintendent
<b>Action/Project Priority:</b>	High
<b>Timeline for Completion:</b>	2018 to 2020
<b>Potential Fund Sources:</b>	N/A
<b>Local Planning Mechanisms to be Used in Implementation, if any:</b>	Hazard Mitigation Plan
<b>Progress Report</b>	
<b>Action Status</b>	Continuing
<b>Report of Progress</b>	Continuing to support the research to purchase back-up generators

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

**Action MPC 1812**

<b>Action Worksheet</b>	
<b>Name of Jurisdiction:</b>	Shelbina
<b>Risk / Vulnerability</b>	
<b>Problem being Mitigated:</b>	Breach or failure of the Shelbina Lake Dam.
<b>Hazard(s) Addressed:</b>	DF
<b>Action or Project</b>	
<b>Action/Project Number:</b>	MPC 1812
<b>Name of Action or Project:</b>	<b>Encourage landowners to inspect and maintain their dams and levees according to Dept. of Natural Resources standards. Schedule regular inspection and maintenance of dams at city lakes.</b>
<b>Action or Project Description:</b>	Conduct regular inspections of dams and levees to meet DNR regulations.
<b>Applicable Goal Statement:</b>	Goal 3: Investigate, implement, maintain, and enforce mitigation policies and programs that limit that impact of natural hazards; on the loss of life; on new and existing properties; on natural resources; on infrastructure; and on the local economy.
<b>Estimated Cost:</b>	This action did not require funding
<b>Benefits:</b>	Protection of lives and property.
<b>Plan for Implementation</b>	
<b>Responsible Organization/Department:</b>	City Superintendent
<b>Action/Project Priority:</b>	High
<b>Timeline for Completion:</b>	No timeline established
<b>Potential Fund Sources:</b>	N/A
<b>Local Planning Mechanisms to be Used in Implementation, if any:</b>	Hazard Mitigation Plan
<b>Progress Report</b>	
<b>Action Status</b>	Continuing
<b>Report of Progress</b>	Continuing to support the inspection of dams and levees

**Action MPC 1813**

<b>Action Worksheet</b>	
<b>Name of Jurisdiction:</b>	Shelbina
<b>Risk / Vulnerability</b>	
<b>Problem being Mitigated:</b>	Provide a cool building during extreme heat and a shelter in the event of a disaster
<b>Hazard(s) Addressed:</b>	EHD T ST
<b>Action or Project</b>	
<b>Action/Project Number:</b>	MPC 1813
<b>Name of Action or Project:</b>	Establish cooling centers and shelter
<b>Action or Project Description:</b>	Shelters and cooling centers needs to be established.
<b>Applicable Goal Statement:</b>	Goal 3: Investigate, implement, maintain, and enforce mitigation policies and programs that limit that impact of natural hazards; on the loss of life; on new and existing properties; on natural resources; on infrastructure; and on the local economy.
<b>Estimated Cost:</b>	\$3,000
<b>Benefits:</b>	Lives can be saved and protected from extreme heat and cold.
<b>Plan for Implementation</b>	
<b>Responsible Organization/Department:</b>	City Superintendent
<b>Action/Project Priority:</b>	High
<b>Timeline for Completion:</b>	2020
<b>Potential Fund Sources:</b>	N/A
<b>Local Planning Mechanisms to be Used in Implementation, if any:</b>	Hazard Mitigation Plan
<b>Progress Report</b>	
<b>Action Status</b>	Continuing
<b>Report of Progress</b>	Continuing to support the establishment of cooling centers and shelters.

**Action MPC 1814**

<b>Action Worksheet</b>	
<b>Name of Jurisdiction:</b>	Shelbina
<b>Risk / Vulnerability</b>	
<b>Problem being Mitigated:</b>	Residents lack early warning of storms or tornadoes.
<b>Hazard(s) Addressed:</b>	AH
<b>Action or Project</b>	
<b>Action/Project Number:</b>	MPC 1814
<b>Name of Action or Project:</b>	Obtain warning sirens for South Side of City.
<b>Action or Project Description:</b>	Purchase sirens to provide early warning to residents.
<b>Applicable Goal Statement:</b>	Goal 3: Investigate, implement, maintain, and enforce mitigation policies and programs that limit that impact of natural hazards; on the loss of life; on new and existing properties; on natural resources; on infrastructure; and on the local economy.
<b>Estimated Cost:</b>	\$22,000
<b>Benefits:</b>	During a disaster emergency communications will be able to continue operations and provide services.
<b>Plan for Implementation</b>	
<b>Responsible Organization/Department:</b>	City Superintendent
<b>Action/Project Priority:</b>	High
<b>Timeline for Completion:</b>	Ongoing
<b>Potential Fund Sources:</b>	Emergency Preparedness Grants
<b>Local Planning Mechanisms to be Used in Implementation, if any:</b>	Hazard Mitigation Plan
<b>Progress Report</b>	
<b>Action Status</b>	Continuing
<b>Report of Progress</b>	Continuing to investigate the purchase of a warning siren for the south side of Shelbina.

**Action MPC 1815**

<b>Action Worksheet</b>	
<b>Name of Jurisdiction:</b>	Shelbina
<b>Risk / Vulnerability</b>	
<b>Problem being Mitigated:</b>	Property damage from flooding
<b>Hazard(s) Addressed:</b>	Flood
<b>Action or Project</b>	
<b>Action/Project Number:</b>	MPC 1815
<b>Name of Action or Project:</b>	NFIP Enforcement
<b>Action or Project Description:</b>	NFIP community of Shelbina will enforce floodplain management requirements, including regulating all new and substantially improved construction in the Special Flood Hazard Areas (SPFAs).
<b>Applicable Goal Statement:</b>	Goal 3: Investigate, implement, maintain, and enforce mitigation policies and programs that limit that impact of natural hazards; on the loss of life; on new and existing properties; on natural resources; on infrastructure; and on the local economy.
<b>Estimated Cost:</b>	Included in existing staff costs
<b>Benefits:</b>	Reduction in damages due to flood
<b>Plan for Implementation</b>	
<b>Responsible Organization/Department:</b>	City Superintendent
<b>Action/Project Priority:</b>	High
<b>Timeline for Completion:</b>	Ongoing
<b>Potential Fund Sources:</b>	Local Funds
<b>Local Planning Mechanisms to be Used in Implementation, if any:</b>	Hazard Mitigation Plan
<b>Progress Report</b>	
<b>Action Status</b>	New
<b>Report of Progress</b>	New Action Item

**Action MPC 1817**

<b>Action Worksheet</b>	
<b>Name of Jurisdiction:</b>	Shelbina
<b>Risk / Vulnerability</b>	
<b>Problem being Mitigated:</b>	Flooding
<b>Hazard(s) Addressed:</b>	F
<b>Action or Project</b>	
<b>Action/Project Number:</b>	MPC 1817
<b>Name of Action or Project:</b>	<b>Storm Water Drainage</b>
<b>Action or Project Description:</b>	Action will be taken to divert storm water drainage and minimize the damage that is caused by storm water.
<b>Applicable Goal Statement:</b>	Goal 3: Investigate, implement, maintain, and enforce mitigation policies and programs that limit that impact of natural hazards; on the loss of life; on new and existing properties; on natural resources; on infrastructure; and on the local economy.
<b>Estimated Cost:</b>	\$300,000
<b>Benefits:</b>	Lives and property are protected
<b>Plan for Implementation</b>	
<b>Responsible Organization/Department:</b>	City Superintendent
<b>Action/Project Priority:</b>	High
<b>Timeline for Completion:</b>	2018 to 2020
<b>Potential Fund Sources:</b>	N/A
<b>Local Planning Mechanisms to be Used in Implementation, if any:</b>	Hazard Mitigation Plan
<b>Progress Report</b>	
<b>Action Status</b>	New
<b>Report of Progress</b>	New Action Item

## Shelbyville

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

### Action MPC 1818

<b>Action Worksheet</b>	
<b>Name of Jurisdiction:</b>	Shelbyville
<b>Risk / Vulnerability</b>	
<b>Problem being Mitigated:</b>	Inability to quickly inform the public of impending disasters or severe weather warnings. Greater advance notice will allow residents and businesses more opportunity to take necessary precautions.
<b>Hazard(s) Addressed:</b>	ST T SWW ET
<b>Action or Project</b>	
<b>Action/Project Number:</b>	MPC 1818
<b>Name of Action or Project:</b>	<b>Promote NOAA Radio Use in schools, nursing homes, businesses, private homes and large gatherings.</b>
<b>Action or Project Description:</b>	Promote the use of NOAA radios
<b>Applicable Goal Statement:</b>	Goal 1: Public Awareness- Using a variety of communications avenue to increase the citizens awareness of and promote education about the natural hazards that may face, their vulnerability to these hazards, and how to lessen the effect of future natural hazards.
<b>Estimated Cost:</b>	\$0
<b>Benefits:</b>	Lives are protected.
<b>Plan for Implementation</b>	
<b>Responsible Organization/Department:</b>	City Clerk
<b>Action/Project Priority:</b>	High
<b>Timeline for Completion:</b>	2018 to 2020
<b>Potential Fund Sources:</b>	N/A
<b>Local Planning Mechanisms to be Used in Implementation, if any:</b>	Hazard Mitigation Plan
<b>Progress Report</b>	
<b>Action Status</b>	Continuing
<b>Report of Progress</b>	Continuing to support the use

**Action MPC 1819**

<b>Action Worksheet</b>	
<b>Name of Jurisdiction:</b>	Shelbyville
<b>Risk / Vulnerability</b>	
<b>Problem being Mitigated:</b>	Shelters lack backup power sources, making them and the people they serve vulnerable to the uncontrollable.
<b>Hazard(s) Addressed:</b>	RF LF DQ ST T SWW ET F A PH TX U
<b>Action or Project</b>	
<b>Action/Project Number:</b>	MPC 1819
<b>Name of Action or Project:</b>	<b>Obtain sufficient back-up generators for shelters.</b>
<b>Action or Project Description:</b>	Research ways to purchase back-up generators for shelters.
<b>Applicable Goal Statement:</b>	Goal 1: Public Awareness- Using a variety of communications avenue to increase the citizens awareness of and promote education about the natural hazards that may face, their vulnerability to these hazards, and how to lessen the effect of future natural hazards.
<b>Estimated Cost:</b>	\$30,000
<b>Benefits:</b>	Lives will be protected from hazards such as extreme heat and cold
<b>Plan for Implementation</b>	
<b>Responsible Organization/Department:</b>	City Clerk
<b>Action/Project Priority:</b>	Medium
<b>Timeline for Completion:</b>	2020
<b>Potential Fund Sources:</b>	N/A
<b>Local Planning Mechanisms to be Used in Implementation, if any:</b>	Hazard Mitigation Plan
<b>Progress Report</b>	
<b>Action Status</b>	Continuing
<b>Report of Progress</b>	Continuing to support he search to purchase generators

**Action MPC 1820**

<b>Action Worksheet</b>	
<b>Name of Jurisdiction:</b>	Shelbyville
<b>Risk / Vulnerability</b>	
<b>Problem being Mitigated:</b>	Lack adequate training on disaster preparedness
<b>Hazard(s) Addressed:</b>	AH
<b>Action or Project</b>	
<b>Action/Project Number:</b>	MPC 1820
<b>Name of Action or Project:</b>	Participate in regularly scheduled Table-Top exercises and mock emergency exercises.
<b>Action or Project Description:</b>	Identify and participate in Table-top exercises to gain adequate training.
<b>Applicable Goal Statement:</b>	Goal 1: Public Awareness- Using a variety of communications avenue to increase the citizens awareness of and promote education about the natural hazards that may face, their vulnerability to these hazards, and how to lessen the effect of future natural hazards.
<b>Estimated Cost:</b>	\$0
<b>Benefits:</b>	Trained individuals to respond to emergency situations
<b>Plan for Implementation</b>	
<b>Responsible Organization/Department:</b>	City Clerk
<b>Action/Project Priority:</b>	High
<b>Timeline for Completion:</b>	Ongoing
<b>Potential Fund Sources:</b>	N/A
<b>Local Planning Mechanisms to be Used in Implementation, if any:</b>	Hazard Mitigation Plan
<b>Progress Report</b>	
<b>Action Status</b>	Continuing
<b>Report of Progress</b>	Continuing to support emergency personnel in obtaining additional training,

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

**Action MPC 1821**

<b>Action Worksheet</b>	
<b>Name of Jurisdiction:</b>	Shelbyville
<b>Risk / Vulnerability</b>	
<b>Problem being Mitigated:</b>	If conditions of the dams are not maintained, structural problems may occur and result in disastrous breaches during flood events.
<b>Hazard(s) Addressed:</b>	DF
<b>Action or Project</b>	
<b>Action/Project Number:</b>	MPC 1821
<b>Name of Action or Project:</b>	<b>Encourage landowners to inspect and maintain their dams and levees according to Dept. of Natural Resources standards. Schedule regular inspection and maintenance of dams at city lakes.</b>
<b>Action or Project Description:</b>	Conduct regular inspections of dams and levees to meet DNR regulations.
<b>Applicable Goal Statement:</b>	Goal 3: Investigate, implement, maintain, and enforce mitigation policies and programs that limit that impact of natural hazards; on the loss of life; on new and existing properties; on natural resources; on infrastructure; and on the local economy.
<b>Estimated Cost:</b>	This action did not require funding
<b>Benefits:</b>	Protection of lives and property.
<b>Plan for Implementation</b>	
<b>Responsible Organization/Department:</b>	City Clerk
<b>Action/Project Priority:</b>	High
<b>Timeline for Completion:</b>	No timeline established
<b>Potential Fund Sources:</b>	N/A
<b>Local Planning Mechanisms to be Used in Implementation, if any:</b>	Hazard Mitigation Plan
<b>Progress Report</b>	
<b>Action Status</b>	Continuing
<b>Report of Progress</b>	Continuing to support the inspection of dams and levees

## Clarence

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

### Action MPC 1822

<b>Action Worksheet</b>	
<b>Name of Jurisdiction:</b>	Clarence
<b>Risk / Vulnerability</b>	
<b>Problem being Mitigated:</b>	Inability to quickly inform the public of impending disasters or severe weather warnings. Greater advance notice will allow residents and businesses more opportunity to take necessary precautions.
<b>Hazard(s) Addressed:</b>	ST T SWW ET
<b>Action or Project</b>	
<b>Action/Project Number:</b>	MPC 1822
<b>Name of Action or Project:</b>	<b>Promote NOAA Radio Use in schools, nursing homes, businesses, private homes and large gatherings.</b>
<b>Action or Project Description:</b>	Promote the use of NOAA radios
<b>Applicable Goal Statement:</b>	Goal 1: Public Awareness- Using a variety of communications avenue to increase the citizens awareness of and promote education about the natural hazards that may face, their vulnerability to these hazards, and how to lessen the effect of future natural hazards.
<b>Estimated Cost:</b>	\$0
<b>Benefits:</b>	Lives are protected.
<b>Plan for Implementation</b>	
<b>Responsible Organization/Department:</b>	City Clerk
<b>Action/Project Priority:</b>	High
<b>Timeline for Completion:</b>	2018 to 2020
<b>Potential Fund Sources:</b>	N/A
<b>Local Planning Mechanisms to be Used in Implementation, if any:</b>	Hazard Mitigation Plan
<b>Progress Report</b>	
<b>Action Status</b>	Continuing
<b>Report of Progress</b>	Continuing to support the use

**Action MPC 1823**

<b>Action Worksheet</b>	
<b>Name of Jurisdiction:</b>	Clarence
<b>Risk / Vulnerability</b>	
<b>Problem being Mitigated:</b>	Shelters lack backup power sources, making them and the people they serve vulnerable to the uncontrollable.
<b>Hazard(s) Addressed:</b>	RF LF DQ ST T SWW ET F A PH TX U
<b>Action or Project</b>	
<b>Action/Project Number:</b>	MPC 1823
<b>Name of Action or Project:</b>	<b>Obtain sufficient back-up generators for shelters.</b>
<b>Action or Project Description:</b>	Research ways to purchase back-up generators for shelters.
<b>Applicable Goal Statement:</b>	Goal 1: Public Awareness- Using a variety of communications avenue to increase the citizens awareness of and promote education about the natural hazards that may face, their vulnerability to these hazards, and how to lessen the effect of future natural hazards.
<b>Estimated Cost:</b>	\$30,000
<b>Benefits:</b>	Lives will be protected from hazards such as extreme heat and cold
<b>Plan for Implementation</b>	
<b>Responsible Organization/Department:</b>	City Clerk
<b>Action/Project Priority:</b>	High
<b>Timeline for Completion:</b>	2020
<b>Potential Fund Sources:</b>	N/A
<b>Local Planning Mechanisms to be Used in Implementation, if any:</b>	Hazard Mitigation Plan
<b>Progress Report</b>	
<b>Action Status</b>	Continuing
<b>Report of Progress</b>	Continuing to support he search to purchase generators

**Action MPC 1824**

<b>Action Worksheet</b>	
<b>Name of Jurisdiction:</b>	Clarence
<b>Risk / Vulnerability</b>	
<b>Problem being Mitigated:</b>	Lack adequate training on disaster preparedness
<b>Hazard(s) Addressed:</b>	AH
<b>Action or Project</b>	
<b>Action/Project Number:</b>	MPC 1824
<b>Name of Action or Project:</b>	Participate in regularly scheduled Table-Top exercises and mock emergency exercises.
<b>Action or Project Description:</b>	Identify and participate in Table-top exercises to gain adequate training.
<b>Applicable Goal Statement:</b>	Goal 1: Public Awareness- Using a variety of communications avenue to increase the citizens awareness of and promote education about the natural hazards that may face, their vulnerability to these hazards, and how to lessen the effect of future natural hazards.
<b>Estimated Cost:</b>	\$0
<b>Benefits:</b>	Trained individuals to respond to emergency situations
<b>Plan for Implementation</b>	
<b>Responsible Organization/Department:</b>	City Clerk
<b>Action/Project Priority:</b>	High
<b>Timeline for Completion:</b>	Ongoing
<b>Potential Fund Sources:</b>	N/A
<b>Local Planning Mechanisms to be Used in Implementation, if any:</b>	Hazard Mitigation Plan
<b>Progress Report</b>	
<b>Action Status</b>	Continuing
<b>Report of Progress</b>	Continuing to support emergency personnel in obtaining additional training,

**Bethel**

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

**Action MPC 1825**

<b>Action Worksheet</b>	
<b>Name of Jurisdiction:</b>	Bethel
<b>Risk / Vulnerability</b>	
<b>Problem being Mitigated:</b>	Inability to quickly inform the public of impending disasters or severe weather warnings. Greater advance notice will allow residents and businesses more opportunity to take necessary precautions.
<b>Hazard(s) Addressed:</b>	ST T SWW ET
<b>Action or Project</b>	
<b>Action/Project Number:</b>	MPC 1825
<b>Name of Action or Project:</b>	<b>Promote NOAA Radio Use in schools, nursing homes, businesses, private homes and large gatherings.</b>
<b>Action or Project Description:</b>	Promote the use of NOAA radios
<b>Applicable Goal Statement:</b>	Goal 1: Public Awareness- Using a variety of communications avenue to increase the citizens awareness of and promote education about the natural hazards that may face, their vulnerability to these hazards, and how to lessen the effect of future natural hazards.
<b>Estimated Cost:</b>	\$0
<b>Benefits:</b>	Lives are protected.
<b>Plan for Implementation</b>	
<b>Responsible Organization/Department:</b>	Superintendent
<b>Action/Project Priority:</b>	
<b>Timeline for Completion:</b>	2018 to 2020
<b>Potential Fund Sources:</b>	N/A
<b>Local Planning Mechanisms to be Used in Implementation, if any:</b>	Hazard Mitigation Plan, Local Emergency Plan
<b>Progress Report</b>	
<b>Action Status</b>	Continuing
<b>Report of Progress</b>	Continuing to support the use

**Action MPC 1826**

<b>Action Worksheet</b>	
<b>Name of Jurisdiction:</b>	Bethel
<b>Risk / Vulnerability</b>	
<b>Problem being Mitigated:</b>	Early notification of an impending disaster or severe weather warning.
<b>Hazard(s) Addressed:</b>	ST T SWW ET
<b>Action or Project</b>	
<b>Action/Project Number:</b>	MPC 1826
<b>Name of Action or Project:</b>	Investigate purchasing NOAA radios for several locations within the city.
<b>Action or Project Description:</b>	Several locations within the city is without a NOAA radio and research needs to be conducted to purchase the radios.
<b>Applicable Goal Statement:</b>	Goal 1: Public Awareness- Using a variety of communications avenue to increase the citizens awareness of and promote education about the natural hazards that may face, their vulnerability to these hazards, and how to lessen the effect of future natural hazards.
<b>Estimated Cost:</b>	\$1,200
<b>Benefits:</b>	Lives are protected.
<b>Plan for Implementation</b>	
<b>Responsible Organization/Department:</b>	City Clerk
<b>Action/Project Priority:</b>	High
<b>Timeline for Completion:</b>	2018 to 2020
<b>Potential Fund Sources:</b>	N/A
<b>Local Planning Mechanisms to be Used in Implementation, if any:</b>	Hazard Mitigation Plan
<b>Progress Report</b>	
<b>Action Status</b>	Continuing
<b>Report of Progress</b>	Continuing to research possible ways to purchase NOAA radios

**Action MPC 1827**

<b>Action Worksheet</b>	
<b>Name of Jurisdiction:</b>	Bethel
<b>Risk / Vulnerability</b>	
<b>Problem being Mitigated:</b>	Shelters lack backup power sources, making them and the people they serve vulnerable to the uncontrollable.
<b>Hazard(s) Addressed:</b>	RF LF DQ ST T SWW ET F A PH TX U
<b>Action or Project</b>	
<b>Action/Project Number:</b>	MPC 1827
<b>Name of Action or Project:</b>	<b>Obtain sufficient back-up generators for shelters.</b>
<b>Action or Project Description:</b>	Research ways to purchase back-up generators for shelters.
<b>Applicable Goal Statement:</b>	Goal 1: Public Awareness- Using a variety of communications avenue to increase the citizens awareness of and promote education about the natural hazards that may face, their vulnerability to these hazards, and how to lessen the effect of future natural hazards.
<b>Estimated Cost:</b>	\$30,000
<b>Benefits:</b>	Lives will be protected from hazards such as extreme heat and cold
<b>Plan for Implementation</b>	
<b>Responsible Organization/Department:</b>	City Clerk
<b>Action/Project Priority:</b>	High
<b>Timeline for Completion:</b>	2020
<b>Potential Fund Sources:</b>	N/A
<b>Local Planning Mechanisms to be Used in Implementation, if any:</b>	Hazard Mitigation Plan, Local Emergency Plan
<b>Progress Report</b>	
<b>Action Status</b>	Continuing
<b>Report of Progress</b>	Continuing to support he search to purchase generators

**Action MPC 1828**

<b>Action Worksheet</b>	
<b>Name of Jurisdiction:</b>	Bethel
<b>Risk / Vulnerability</b>	
<b>Problem being Mitigated:</b>	Provide a cool building during extreme heat and a shelter in the event of a disaster
<b>Hazard(s) Addressed:</b>	EHD T ST
<b>Action or Project</b>	
<b>Action/Project Number:</b>	MPC 1828
<b>Name of Action or Project:</b>	Establish cooling centers and shelter
<b>Action or Project Description:</b>	Shelters and cooling centers needs to be established.
<b>Applicable Goal Statement:</b>	Goal 3: Investigate, implement, maintain, and enforce mitigation policies and programs that limit that impact of natural hazards; on the loss of life; on new and existing properties; on natural resources; on infrastructure; and on the local economy.
<b>Estimated Cost:</b>	\$3,000
<b>Benefits:</b>	Lives can be saved and protected from extreme heat and cold.
<b>Plan for Implementation</b>	
<b>Responsible Organization/Department:</b>	City Clerk
<b>Action/Project Priority:</b>	High
<b>Timeline for Completion:</b>	2020
<b>Potential Fund Sources:</b>	N/A
<b>Local Planning Mechanisms to be Used in Implementation, if any:</b>	Hazard Mitigation Plan
<b>Progress Report</b>	
<b>Action Status</b>	Continuing
<b>Report of Progress</b>	Continuing to support the establishment of cooling centers and shelters.

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

**Action MPC 1829**

<b>Action Worksheet</b>	
<b>Name of Jurisdiction:</b>	Bethel
<b>Risk / Vulnerability</b>	
<b>Problem being Mitigated:</b>	Property damage from flooding
<b>Hazard(s) Addressed:</b>	Flood
<b>Action or Project</b>	
<b>Action/Project Number:</b>	MPC 1829
<b>Name of Action or Project:</b>	NFIP Enforcement
<b>Action or Project Description:</b>	NFIP community of Bethel will enforce floodplain management requirements, including regulating all new and substantially improved construction in the Special Flood Hazard Areas (SPFAs).
<b>Applicable Goal Statement:</b>	Goal 3: Investigate, implement, maintain, and enforce mitigation policies and programs that limit that impact of natural hazards; on the loss of life; on new and existing properties; on natural resources; on infrastructure; and on the local economy.
<b>Estimated Cost:</b>	Included in existing staff costs
<b>Benefits:</b>	Reduction in damages due to flood
<b>Plan for Implementation</b>	
<b>Responsible Organization/Department:</b>	City Superintendent
<b>Action/Project Priority:</b>	High
<b>Timeline for Completion:</b>	Ongoing
<b>Potential Fund Sources:</b>	Local Funds
<b>Local Planning Mechanisms to be Used in Implementation, if any:</b>	Hazard Mitigation Plan
<b>Progress Report</b>	
<b>Action Status</b>	New
<b>Report of Progress</b>	New Action Item

## Hunnewell

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

### Action MPC 1830

<b>Action Worksheet</b>	
<b>Name of Jurisdiction:</b>	Hunnewell
<b>Risk / Vulnerability</b>	
<b>Problem being Mitigated:</b>	Inability to quickly inform the public of impending disasters or severe weather warnings. Greater advance notice will allow residents and businesses more opportunity to take necessary precautions.
<b>Hazard(s) Addressed:</b>	ST T SWW ET
<b>Action or Project</b>	
<b>Action/Project Number:</b>	MPC 1830
<b>Name of Action or Project:</b>	<b>Promote NOAA Radio Use in schools, nursing homes, businesses, private homes and large gatherings.</b>
<b>Action or Project Description:</b>	Promote the use of NOAA radios
<b>Applicable Goal Statement:</b>	Goal 1: Public Awareness- Using a variety of communications avenue to increase the citizens awareness of and promote education about the natural hazards that may face, their vulnerability to these hazards, and how to lessen the effect of future natural hazards.
<b>Estimated Cost:</b>	\$0
<b>Benefits:</b>	Lives are protected.
<b>Plan for Implementation</b>	
<b>Responsible Organization/Department:</b>	City Clerk
<b>Action/Project Priority:</b>	High
<b>Timeline for Completion:</b>	2018 to 2020
<b>Potential Fund Sources:</b>	N/A
<b>Local Planning Mechanisms to be Used in Implementation, if any:</b>	Hazard Mitigation Plan
<b>Progress Report</b>	
<b>Action Status</b>	Continuing
<b>Report of Progress</b>	Continuing to support the use

**Action MPC 1831**

<b>Action Worksheet</b>	
<b>Name of Jurisdiction:</b>	Hunnewell
<b>Risk / Vulnerability</b>	
<b>Problem being Mitigated:</b>	Early notification of an impending disaster or severe weather warning.
<b>Hazard(s) Addressed:</b>	ST T SWW ET
<b>Action or Project</b>	
<b>Action/Project Number:</b>	MPC 1831
<b>Name of Action or Project:</b>	Investigate purchasing NOAA radios for several locations within the city.
<b>Action or Project Description:</b>	Several locations within the city is without a NOAA radio and research needs to be conducted to purchase the radios.
<b>Applicable Goal Statement:</b>	Goal 1: Public Awareness- Using a variety of communications avenue to increase the citizens awareness of and promote education about the natural hazards that may face, their vulnerability to these hazards, and how to lessen the effect of future natural hazards.
<b>Estimated Cost:</b>	\$1,200
<b>Benefits:</b>	Lives are protected.
<b>Plan for Implementation</b>	
<b>Responsible Organization/Department:</b>	City Superintendent
<b>Action/Project Priority:</b>	High
<b>Timeline for Completion:</b>	2018 to 2020
<b>Potential Fund Sources:</b>	N/A
<b>Local Planning Mechanisms to be Used in Implementation, if any:</b>	Hazard Mitigation Plan
<b>Progress Report</b>	
<b>Action Status</b>	Continuing
<b>Report of Progress</b>	Continuing to research possible ways to purchase NOAA radios

**Action MPC 1832**

<b>Action Worksheet</b>	
<b>Name of Jurisdiction:</b>	Hunnewell
<b>Risk / Vulnerability</b>	
<b>Problem being Mitigated:</b>	Shelters lack backup power sources, making them and the people they serve vulnerable to the uncontrollable.
<b>Hazard(s) Addressed:</b>	RF LF DQ ST T SWW ET F A PH TX U
<b>Action or Project</b>	
<b>Action/Project Number:</b>	MPC 1832
<b>Name of Action or Project:</b>	<b>Obtain sufficient back-up generators for shelters.</b>
<b>Action or Project Description:</b>	Research ways to purchase back-up generators for shelters.
<b>Applicable Goal Statement:</b>	Goal 1: Public Awareness- Using a variety of communications avenue to increase the citizens awareness of and promote education about the natural hazards that may face, their vulnerability to these hazards, and how to lessen the effect of future natural hazards.
<b>Estimated Cost:</b>	\$30,000
<b>Benefits:</b>	Lives will be protected from hazards such as extreme heat and cold
<b>Plan for Implementation</b>	
<b>Responsible Organization/Department:</b>	City Clerk
<b>Action/Project Priority:</b>	Medium
<b>Timeline for Completion:</b>	2020
<b>Potential Fund Sources:</b>	N/A
<b>Local Planning Mechanisms to be Used in Implementation, if any:</b>	Hazard Mitigation Plan
<b>Progress Report</b>	
<b>Action Status</b>	Continuing
<b>Report of Progress</b>	Continuing to support he search to purchase generators

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

**Action MPC 1833**

<b>Action Worksheet</b>	
<b>Name of Jurisdiction:</b>	Hunnewell
<b>Risk / Vulnerability</b>	
<b>Problem being Mitigated:</b>	Provide a cool building during extreme heat and a shelter in the event of a disaster
<b>Hazard(s) Addressed:</b>	EHD T ST
<b>Action or Project</b>	
<b>Action/Project Number:</b>	MPC 1833
<b>Name of Action or Project:</b>	Establish cooling centers and shelter
<b>Action or Project Description:</b>	Shelters and cooling centers needs to be established.
<b>Applicable Goal Statement:</b>	Goal 3: Investigate, implement, maintain, and enforce mitigation policies and programs that limit that impact of natural hazards; on the loss of life; on new and existing properties; on natural resources; on infrastructure; and on the local economy.
<b>Estimated Cost:</b>	\$3,000
<b>Benefits:</b>	Lives can be saved and protected from extreme heat and cold.
<b>Plan for Implementation</b>	
<b>Responsible Organization/Department:</b>	City Clerk
<b>Action/Project Priority:</b>	High
<b>Timeline for Completion:</b>	2020
<b>Potential Fund Sources:</b>	N/A
<b>Local Planning Mechanisms to be Used in Implementation, if any:</b>	Hazard Mitigation Plan
<b>Progress Report</b>	
<b>Action Status</b>	Continuing
<b>Report of Progress</b>	Continuing to support the establishment of cooling centers and shelters.

## North Shelby School District

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

### Action MPC 1834

<b>Action Worksheet</b>	
<b>Name of Jurisdiction:</b>	North Shelby School District
<b>Risk / Vulnerability</b>	
<b>Problem being Mitigated:</b>	Inability to quickly inform the public of impending disasters or severe weather warnings. Greater advance notice will allow residents and businesses more opportunity to take necessary precautions.
<b>Hazard(s) Addressed:</b>	ST T SWW ET
<b>Action or Project</b>	
<b>Action/Project Number:</b>	MPC 1834
<b>Name of Action or Project:</b>	<b>Promote NOAA Radio Use in schools, nursing homes, businesses, private homes and large gatherings.</b>
<b>Action or Project Description:</b>	Promote the use of NOAA radios
<b>Applicable Goal Statement:</b>	Goal 1: Public Awareness- Using a variety of communications avenue to increase the citizens awareness of and promote education about the natural hazards that may face, their vulnerability to these hazards, and how to lessen the effect of future natural hazards.
<b>Estimated Cost:</b>	\$0
<b>Benefits:</b>	Lives are protected.
<b>Plan for Implementation</b>	
<b>Responsible Organization/Department:</b>	Superintendent
<b>Action/Project Priority:</b>	High
<b>Timeline for Completion:</b>	2018 to 2020
<b>Potential Fund Sources:</b>	N/A
<b>Local Planning Mechanisms to be Used in Implementation, if any:</b>	Hazard Mitigation Plan
<b>Progress Report</b>	
<b>Action Status</b>	Continuing
<b>Report of Progress</b>	Continuing to support the use

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

**Action MPC 1835**

<b>Action Worksheet</b>	
<b>Name of Jurisdiction:</b>	North Shelby School District
<b>Risk / Vulnerability</b>	
<b>Problem being Mitigated:</b>	Students are lacking adequate protection from natural hazards.
<b>Hazard(s) Addressed:</b>	AH
<b>Action or Project</b>	
<b>Action/Project Number:</b>	MPC 1835
<b>Name of Action or Project:</b>	Upgrade or build tornado safe rooms at the school
<b>Action or Project Description:</b>	Build a room that will protect students while at the school
<b>Applicable Goal Statement:</b>	Goal 3: Investigate, implement, maintain, and enforce mitigation policies and programs that limit that impact of natural hazards; on the loss of life; on new and existing properties; on natural resources; on infrastructure; and on the local economy.
<b>Estimated Cost:</b>	\$1,000,000
<b>Benefits:</b>	Students will have adequate protection.
<b>Plan for Implementation</b>	
<b>Responsible Organization/Department:</b>	Superintendent
<b>Action/Project Priority:</b>	High
<b>Timeline for Completion:</b>	2019
<b>Potential Fund Sources:</b>	Emergency Preparedness Grants
<b>Local Planning Mechanisms to be Used in Implementation, if any:</b>	Hazard Mitigation Plan
<b>Progress Report</b>	
<b>Action Status</b>	Continuing
<b>Report of Progress</b>	Continuing to support upgrading or building a safe room

**South Shelby School District**

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

**Action MPC 1836**

<b>Action Worksheet</b>	
<b>Name of Jurisdiction:</b>	South Shelby School
<b>Risk / Vulnerability</b>	
<b>Problem being Mitigated:</b>	Inability to quickly inform the public of impending disasters or severe weather warnings. Greater advance notice will allow residents and businesses more opportunity to take necessary precautions.
<b>Hazard(s) Addressed:</b>	ST T SWW ET
<b>Action or Project</b>	
<b>Action/Project Number:</b>	MPC 1836
<b>Name of Action or Project:</b>	<b>Promote NOAA Radio Use in schools, nursing homes, businesses, private homes and large gatherings.</b>
<b>Action or Project Description:</b>	Promote the use of NOAA radios
<b>Applicable Goal Statement:</b>	Goal 1: Public Awareness- Using a variety of communications avenue to increase the citizens awareness of and promote education about the natural hazards that may face, their vulnerability to these hazards, and how to lessen the effect of future natural hazards.
<b>Estimated Cost:</b>	\$0
<b>Benefits:</b>	Lives are protected.
<b>Plan for Implementation</b>	
<b>Responsible Organization/Department:</b>	Superintendent
<b>Action/Project Priority:</b>	High
<b>Timeline for Completion:</b>	2018 to 2020
<b>Potential Fund Sources:</b>	N/A
<b>Local Planning Mechanisms to be Used in Implementation, if any:</b>	Hazard Mitigation Plan
<b>Progress Report</b>	
<b>Action Status</b>	Continuing
<b>Report of Progress</b>	Continuing to support the use

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

**Action MPC 1837**

<b>Action Worksheet</b>	
<b>Name of Jurisdiction:</b>	South Shelby School
<b>Risk / Vulnerability</b>	
<b>Problem being Mitigated:</b>	Students are lacking adequate protection from natural hazards.
<b>Hazard(s) Addressed:</b>	AH
<b>Action or Project</b>	
<b>Action/Project Number:</b>	MPC 1837
<b>Name of Action or Project:</b>	Upgrade or build tornado safe rooms at the school
<b>Action or Project Description:</b>	Build a room that will protect students while at the school
<b>Applicable Goal Statement:</b>	Goal 3: Investigate, implement, maintain, and enforce mitigation policies and programs that limit that impact of natural hazards; on the loss of life; on new and existing properties; on natural resources; on infrastructure; and on the local economy.
<b>Estimated Cost:</b>	\$1,000,000
<b>Benefits:</b>	Students will have adequate protection.
<b>Plan for Implementation</b>	
<b>Responsible Organization/Department:</b>	Superintendent
<b>Action/Project Priority:</b>	High
<b>Timeline for Completion:</b>	2019
<b>Potential Fund Sources:</b>	Emergency Preparedness Grants
<b>Local Planning Mechanisms to be Used in Implementation, if any:</b>	Hazard Mitigation Plan
<b>Progress Report</b>	
<b>Action Status</b>	Continuing
<b>Report of Progress</b>	Continuing to support upgrading or building a safe room