4 MITIGATION STRATEGY 4.1

4.1 Goals 4.1

4.2 Identification and Analysis of Mitigation Actions 4.2

4.3 Implementation of Mitigation Actions 4.12

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 Monroe County's existing hazard mitigation plan approved by FEMA in 2014. Therefore, the goals from the 2014 Monroe County Hazard Mitigation Plan were reviewed to see if they were still valid, feasible, practical, and applicable to the defined hazard impacts.

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

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 were 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 jurisdictional break-out meetings. 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 and special 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 link to the FEMA's publication, *Mitigation Ideas: A Resource for Reducing Risk to Natural Hazards (January 2013).* This document was developed by FEMA as a resource for identification of a range of potential mitigation actions for reducing risk to natural hazards and disasters.

The MPC reviewed the actions from the previously approved plan for progress made since the plan had been adopted, using worksheets included in Appendix __ of this plan. Prior to Meeting #3, the list of actions for each jurisdiction was emailed to that jurisdiction's 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 11 completed actions, 200 deleted actions, and 28 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
Monroe County	**4**	**32**	**9**
City of Madison	**2**	**35**	**4**
City of Monroe City	**4**	**39**	**8**
City of Paris	**1**	**36**	**1**
Monroe City R-I School	**0**	**12**	**1**
Holliday C-2 School	**0**	**12**	**1**
Madison C-3 School	**0**	**12**	**1**
Paris R-II School	**0**	**12**	**1**
Holy Rosary School	**0**	**0**	**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)
Monroe County	
Cooperate with local radio stations for emergency announcements and location of shelter during power	Completed
Update and maintain list of buildings that are designated as shelters, distribute list	Completed
Establish cooling center at shelter	Completed
Provide an Emergency Management Director for the city	Completed
City of Madison	
Investigate obtaining a back-up generator (s) for emergency shelter as funds become available	Completed

Provide training and certification of Emergency Management Director	Completed
City of Monroe City	
Fire prevention classes conducted at local schools	Completed
Provide an Emergency Management Director for the city	Completed
Capital Improvement plan to replace drinking water system	Completed
Work with FEMA and Army Corp of Engineers to update Floodplain map as needed	Completed
City of Paris	
Establish cooling center at shelter	Completed
Deleted Actions	**Reason for Deletion**
Monroe County	
Informational brochures on what to do during a natural hazard available to public, newspaper articles.	This activity was determined to be an everyday
Education, brochures, provided to schools and citizens	This activity was determined to be an everyday, brochures are available
Have speaker available to conduct programs on earthquake safety and all emergency preparedness	This activity was determined to be an everyday and speakers are scheduled as needed or required.
Articles posted in local papers and websites on natural hazards	This activity was determined to be an everyday and not a mitigation item
Fire prevention classes conducted at local schools	This activity was determined to be an everyday and is required by schools.
Remove trees from power line easements in addition to current trimming program	This activity was determined to be an everyday
Insure that county school buses are outfitted with two-way radios	This activity was determined to be an everyday as buses are equipped with radios
Maintain Mutual Aid Agreement and update on regular schedule	This activity was determined to be an everyday/ongoing activity
Insure availability of fans to citizens as needed	This activity was determined to be an everyday
Obtain small sup (trash) pump(s) as funds become available	This activity was determined not to be a mitigation item
Encourage schools to conduct programs on earthquake safety	This activity was determined to be an everyday and is a requirement of schools
Spot check on elderly and home bound individuals. Obtain spot heaters or fans as needed	This activity was determined to be an everyday
Conduct regularly scheduled training for weather spotters	This activity was determined to be an everyday
Participate in regularly scheduled Table-top exercise and mock emergency exercises	This activity was determined to be an everyday
Maintain and clean blocked culverts, and storm water drains on regular schedule	This activity was determined to be an everyday and not a mitigation item
High water signs are posted. More signs are needed as funds become available	This activity was determined to be an everyday and not a mitigation item
Maintain snow plowing and removal equipment, upgrade as needed and funds become available	This activity was determined to be an everyday
Ensure that "Road Impassable" during high water signs are posted	This activity was determined to be an everyday

Maintain Road and Bridge Equipment, maintain and upgrade street equipment as funds become available	This activity was determined to be an everyday
Maintain a supply of extra culverts for emergency use	This activity was determined to be an everyday
Add EAS to 911 as funds become available	This activity was determined to be an everyday
Maintain debris removal equipment	This activity was determined to be an everyday and not an action item
Maintain and replace missing county road and street signs	This activity was determined to be an everyday and not an action item
Maintain transportation infrastructure	This activity was determined to be an everyday
Maintain and update Emergency Operating Plan on a regular schedule	This activity was determined to be an everyday
County plows snow from city streets. City residents have back up plan for additional snow removal as needed	This activity was determined to be an everyday
Monroe County Health Department to issue new septic permits	This activity was determined to be an everyday
Burning Bans issued by Fire Districts as needed	This activity was determined to be an everyday
Evaluate and upgrade as needed the current emergency response communication infrastructure	This activity was determined to be an everyday
Cooperate with Monroe County to establish permanent locations as Emergency Operation Center that is fully equipped as funds become available	This activity was determined to be an everyday
Obtain sufficient back-up generators for designated shelters as funds become available	Duplicate action
Obtain sufficient back-up generators for designated shelters as funds become available	Duplicate action
City of Madison	
Informational brochures on what to do during a natural hazard available to public, newspaper articles.	This activity was determined to be an everyday
Cooperate with local radio stations for emergency announcements and location of shelter during power outages	This activity was determined to be an everyday
Education, brochures, provided to schools and citizens	This activity was determined to be an everyday education is provided
Articles posted in local papers and websites on natural hazards	This activity was determined to be an everyday and not an mitigation item
Promote use of NOAA radios in schools, nursing homes, businesses, private homes, and large gatherings	This activity was determined to be an everyday
Fire prevention classes conducted at local schools	This activity was determined to be an everyday
Remove trees from power line easements in addition to current trimming program	This activity was determined to be an everyday
Insure that county school buses are outfitted with two-way radios	This activity was determined to be an everyday
Maintain Mutual Aid Agreement and update on regular schedule	This activity was determined to be an everyday
Obtain small sup (trash) pump(s) as funds become available	This activity was determined to be an everyday

Encourage schools to conduct programs on earthquake safety	This activity was determined to be an everyday and is required by schools
Spot check on elderly and home bound individuals. Obtain spot heaters or fans as needed	This activity was determined to be an everyday activity
Conduct regularly scheduled training for weather spotters	This activity was determined to be an everyday activity
Participate in regularly scheduled Table-top exercise and mock emergency exercises	This activity was determined to be an everyday activity
Maintain and clean blocked culverts, and storm water drains on regular schedule	This activity was determined to be an everyday activity
Maintain snow plowing and removal equipment, upgrade as needed and funds become available	This activity was determined to be an everyday activity
Maintain Road and Bridge Equipment, maintain and upgrade street equipment as funds become available	This activity was determined to be an everyday activity
Add EAS to 911 as funds become available	This activity was determined to be an everyday activity
Maintain and replace missing county road and street signs	This activity was determined to be an everyday activity
Maintain transportation infrastructure	This activity was determined to be an everyday activity
Maintain and update Emergency Operating Plan on a regular schedule	This activity was determined to be an everyday activity
Update and maintain list of buildings that are designated as shelters, distribute list	This activity was determined to be an everyday activity
Maintain adequate supply of salt for city streets in icy weather	This activity was determined to be an everyday activity
Review storm water drainage system engineering study, develop a plan of action as funds become available	This activity was determined to be an everyday activity
Investigate possibility of obtaining funds to make designated shelter handicap accessible	This activity was determined to be an everyday activity
Evaluate and upgrade as needed the current emergency response communication infrastructure	This activity was determined to be an everyday activity
County plows snow from city streets. City residents have back up plan for additional snow removal as needed	This activity was determined to be an everyday activity
Obtain sufficient back-up generators to maintain communications for all emergency personnel as funds become available	This activity was determined to be an everyday activity
In Monroe County only cities of Paris, Monroe City and Madison participate in the NFIP. Paris, Monroe City and Madison will continue to comply and implement the NFIP requirements and to reduce the flood risks associated with the Flood Hazard Areas	This activity was determined to be an everyday activity
Burning Bans issued by Fire Districts as needed	This activity was determined to be an everyday activity
Evaluate and upgrade as needed the current emergency response communication infrastructure	This activity was determined to be an everyday activity
Work with FEMA and Army Corp of Engineers to update Floodplain map as needed	This activity was determined to be an everyday activity
Enforcement of current building codes	This activity was determined to be an everyday activity
Cooperate with Monroe County to establish permanent locations as Emergency Operation Center that is fully equipped as funds become available	This activity was determined to be an everyday activity
Establish EOC (Emergency Operations Center) at city hall	This activity was determined to be an everyday activity
City of Monroe City	
Informational brochures on what to do during a natural hazard available to public, newspaper articles.	This activity was determined to be an everyday activity

Cooperate with local radio stations for emergency announcements and location of shelter during power outages	This activity was determined to be an everyday/ongoing activity
Education, brochures, provided to schools and citizens	This activity was determined to be an everyday/ongoing activity
Have speaker available to conduct programs on earthquake safety and all emergency preparedness	This activity was determined to be an everyday/ongoing activity
Distribute Design Construction Awareness Brochures with building permits	This activity was determined to be an everyday/ongoing activity
Articles posted in local papers and websites on natural hazards	This activity was determined to be an everyday/ongoing activity
Promote use of NOAA radios in schools, nursing homes, businesses, private homes, and large gatherings	This activity was determined to be an everyday/ongoing activity
Remove trees from power line easements in addition to current trimming program	This activity was determined to be an everyday/ongoing activity
Insure that county school buses are outfitted with two-way radios	This activity was determined to be an everyday/ongoing activity
Maintain Mutual Aid Agreement and update on regular schedule	This activity was determined to be an everyday/ongoing activity
Insure availability of fans to citizens as needed	This activity was determined to be an everyday/ongoing activity
Obtain small sup (trash) pump(s) as funds become available	This activity was determined to be an everyday/ongoing activity
Encourage schools to conduct programs on earthquake safety	This activity was determined to be an everyday/ongoing activity
Spot check on elderly and home bound individuals. Obtain spot heaters or fans as needed	This activity was determined to be an everyday/ongoing activity
Conduct regularly scheduled training for weather spotters	This activity was determined to be an everyday/ongoing activity
Participate in regularly scheduled Table-top exercise and mock emergency exercises	This activity was determined to be an everyday/ongoing activity
Maintain and clean blocked culverts, and storm water drains on regular schedule	This activity was determined to be an everyday/ongoing activity
encourage drought resistant yard watering practices	This activity was determined to be an everyday/ongoing activity
Maintain snow plowing and removal equipment, upgrade as needed and funds become available	This activity was determined to be an everyday/ongoing activity
Ensure that "Road Impassable" during high water signs are posted	This activity was determined to be an everyday/ongoing activity
Maintain Road and Bridge Equipment, maintain and upgrade street equipment as funds become available	This activity was determined to be an everyday activity
Maintain supply of extra culverts for emergency use	This activity was determined to be an everyday activity
Add EAS to 911 as funds become available	This activity was determined to be an everyday activity
Maintain debris removal equipment	This activity was determined to be an everyday activity
Maintain and replace missing county road and street signs	This activity was determined to be an everyday activity
Maintain transportation infrastructure	This activity was determined to be an everyday activity
Maintain and update Emergency Operating Plan on a regular schedule	This activity was determined to be an everyday activity
Update and maintain list of buildings that are designated as shelters, distribute list	This activity was determined to be an everyday activity
Maintain an adequate supply of salt for city streets in icy weather	This activity was determined to be an everyday/ongoing activity

Review storm water drainage system engineering study, develop a plan of action as funds become available	This activity was determined to be an everyday/ongoing activity
Establish a cooling center at shelters	This activity was determined to be an everyday/ongoing activity
Investigate possibility of obtaining funds to make designated shelter handicap accessible	This activity was determined to be an everyday/ongoing activity
Provide training and certification for the Emergency Management Director	This activity was determined to be an everyday/ongoing activity
County plows snow from city streets. City residents have back up plan for additional snow removal as needed	This activity was determined to be an everyday/ongoing activity
City has a policy in place to replace trees in the power line easement that currently cause problems with a shorter species of trees	This activity was determined to be an everyday/ongoing activity
In Monroe County only cities of Paris, Monroe City and Madison participate in the NFIP. Paris, Monroe City and Madison will continue to comply and implement the NFIP requirements and to reduce the flood risks associated with the Flood Hazard Areas	This activity was determined to be an everyday/ongoing activity
Burning Bans issued by Fire Districts as needed	This activity was determined to be an everyday/ongoing activity
Evaluate and upgrade as needed the current emergency response communication infrastructure	This activity was determined to be an everyday/ongoing activity
Establish EOC (Emergency Operations Center) at city hall	This activity was determined to be an everyday/ongoing activity
City of Paris	This activity was determined to be an everyday/ongoing activity
Informational brochures on what to do during a natural hazard available to public, newspaper articles.	This activity was determined to be an everyday/ongoing activity
Cooperate with local radio stations for emergency announcements and location of shelter during power outages	This activity was determined to be an everyday/ongoing activity
Distribute Design Construction Awareness Brochures with building permits	This activity was determined to be an everyday/ongoing activity
Articles posted in local papers and websites on natural hazards	This activity was determined to be an everyday/ongoing activity
Promote use of NOAA radios in schools, nursing homes, businesses, private homes, and large gatherings	This activity was determined to be an everyday/ongoing activity
Fire prevention classes conducted at local schools	This activity was determined to be an everyday/ongoing activity
Remove trees from power line easements in addition to current trimming program	This activity was determined to be an everyday/ongoing activity
Insure that county school buses are outfitted with two-way radios	This activity was determined to be an everyday/ongoing activity
Obtain small sup (trash) pump(s) as funds become available	This activity was determined to be an everyday/ongoing activity
Encourage schools to conduct programs on earthquake safety	This activity was determined to be an everyday/ongoing activity
Obtain sufficient back-up generators to maintain communications for all emergency personnel as funds become available	This activity was determined to be an everyday/ongoing activity
Spot check on elderly and home bound individuals. Obtain spot heaters or fans as needed	This activity was determined to be an everyday/ongoing activity
Conduct regularly scheduled training for weather spotters	This activity was determined to be an everyday/ongoing activity

Participate in regularly scheduled Table-top exercise and mock emergency exercises	This activity was determined to be an everyday/ongoing activity
Maintain and clean blocked culverts, and storm water drains on regular schedule	This activity was determined to be an everyday/ongoing activity
Maintain snow plowing and removal equipment, upgrade as needed and funds become available	This activity was determined to be an everyday/ongoing activity
Maintain and replace missing county road and street signs	This activity was determined to be an everyday/ongoing activity
Maintain transportation infrastructure	This activity was determined to be an everyday/ongoing activity
Maintain and update Emergency Operating Plan on a regular schedule	This activity was determined to be an everyday/ongoing activity
Update and maintain list of buildings that are designated as shelters, distribute list	This activity was determined to be an everyday/ongoing activity
Maintain adequate supply of salt for city streets in icy weather	This activity was determined to be an everyday/ongoing activity
Review storm water drainage system engineering study, develop a plan of action as funds become available	This activity was determined to be an everyday/ongoing activity
Investigate possibility of obtaining funds to make designated shelter handicap accessible	This activity was determined to be an everyday/ongoing activity
Evaluate and upgrade as needed the current emergency response communication infrastructure	This activity was determined to be an everyday/ongoing activity
Capital Improvement plan to replace drinking water system	This activity was determined to be an everyday/ongoing activity
County plows snow from city streets. City residents have back up plan for additional snow removal as needed	This activity was determined to be an everyday/ongoing activity
Obtain sufficient back-up generators to maintain communications for all emergency personnel as funds become available	This activity was determined to be an everyday/ongoing activity
City has a policy in place to replace trees in the power line easement that currently cause problems with a shorter species of trees	This activity was determined to be an everyday/ongoing activity
In Monroe County only cities of Paris, Monroe City and Madison participate in the NFIP. Paris, Monroe City and Madison will continue to comply and implement the NFIP requirements and to reduce the flood risks associated with the Flood Hazard Areas	This activity was determined to be an everyday/ongoing activity
Burning Bans issued by Fire Districts as needed	This activity was determined to be an everyday/ongoing activity
Evaluate and upgrade as needed the current emergency response communication infrastructure	This activity was determined to be an everyday/ongoing activity
Work with FEMA and Army Corp of Engineers to update Floodplain map as needed	This activity was determined to be an everyday/ongoing activity
Enforcement of current building codes	This activity was determined to be an everyday/ongoing activity
Cooperate with Monroe County to establish permanent locations as Emergency Operation Center that is fully equipped as funds become available	This activity was determined to be an everyday/ongoing activity
Water Conservation Plan is established by ordinance in extreme dry weather	This activity was determined to be an everyday/ongoing activity
Established EOC (Emergency Operations Center) at city hall	This activity was determined to be an everyday/ongoing activity
Monroe City R-1 School District	This activity was determined to be an everyday/ongoing activity

Informational brochures on what to do during a natural hazard available to public, newspaper articles.	This activity was determined to be an everyday/ongoing activity
Cooperate with local radio stations for emergency announcements and location of shelter during power outages	This activity was determined to be an everyday/ongoing activity
Education, brochures, provided to schools and citizens	This activity was determined to be an everyday/ongoing activity
Articles posted in local papers and websites on natural hazards	This activity was determined to be an everyday/ongoing activity
Promote use of NOAA radios in schools, nursing homes, businesses, private homes, and large gatherings	This activity was determined to be an everyday/ongoing activity
Fire prevention classes conducted at local schools	This activity was determined to be an everyday/ongoing activity
Insure that county school buses are outfitted with two-way radios	This activity was determined to be an everyday/ongoing activity
Encourage schools to conduct programs on earthquake safety	This activity was determined to be an everyday/ongoing activity
Participate in regularly scheduled Table-top exercise and mock emergency exercises	This activity was determined to be an everyday/ongoing activity
Add EAS to 911 as funds become available	This activity was determined to be an everyday/ongoing activity
Maintain and update Emergency Operating Plan on a regular schedule	This activity was determined to be an everyday/ongoing activity
Evaluate and upgrade as needed the current emergency response communication infrastructure	This activity was determined to be an everyday/ongoing activity
Holliday C-2 School District	This activity was determined to be an everyday/ongoing activity
Informational brochures on what to do during a natural hazard available to public, newspaper articles.	This activity was determined to be an everyday/ongoing activity
Cooperate with local radio stations for emergency announcements and location of shelter during power outages	This activity was determined to be an everyday/ongoing activity
Education, brochures, provided to schools and citizens	This activity was determined to be an everyday/ongoing activity
Articles posted in local papers and websites on natural hazards	This activity was determined to be an everyday/ongoing activity
Promote use of NOAA radios in schools, nursing homes, businesses, private homes, and large gatherings	This activity was determined to be an everyday/ongoing activity
Fire prevention classes conducted at local schools	This activity was determined to be an everyday/ongoing activity
Insure that county school buses are outfitted with two-way radios	This activity was determined to be an everyday/ongoing activity
Encourage schools to conduct programs on earthquake safety	This activity was determined to be an everyday/ongoing activity
Participate in regularly scheduled Table-top exercise and mock emergency exercises	This activity was determined to be an everyday/ongoing activity
Add EAS to 911 as funds become available	This activity was determined to be an everyday/ongoing activity
Maintain and update Emergency Operating Plan on a regular schedule	This activity was determined to be an everyday/ongoing activity
Evaluate and upgrade as needed the current emergency response communication infrastructure	This activity was determined to be an everyday/ongoing activity
Madison C-3 School District	This activity was determined to be an everyday/ongoing activity
Informational brochures on what to do during a natural hazard available to public, newspaper articles.	This activity was determined to be an everyday/ongoing activity

Cooperate with local radio stations for emergency announcements and location of shelter during power outages	This activity was determined to be an everyday/ongoing activity
Education, brochures, provided to schools and citizens	This activity was determined to be an everyday/ongoing activity
Articles posted in local papers and websites on natural hazards	This activity was determined to be an everyday/ongoing activity
Promote use of NOAA radios in schools, nursing homes, businesses, private homes, and large gatherings	This activity was determined to be an everyday/ongoing activity
Fire prevention classes conducted at local schools	This activity was determined to be an everyday/ongoing activity
Insure that county school buses are outfitted with two-way radios	This activity was determined to be an everyday/ongoing activity
Encourage schools to conduct programs on earthquake safety	This activity was determined to be an everyday/ongoing activity
Participate in regularly scheduled Table-top exercise and mock emergency exercises	This activity was determined to be an everyday/ongoing activity
Add EAS to 911 as funds become available	This activity was determined to be an everyday/ongoing activity
Maintain and update Emergency Operating Plan on a regular schedule	This activity was determined to be an everyday/ongoing activity
Evaluate and upgrade as needed the current emergency response communication infrastructure	This activity was determined to be an everyday/ongoing activity
Paris R-II School District	This activity was determined to be an everyday/ongoing activity
Informational brochures on what to do during a natural hazard available to public, newspaper articles.	This activity was determined to be an everyday/ongoing activity
Cooperate with local radio stations for emergency announcements and location of shelter during power outages	This activity was determined to be an everyday/ongoing activity
Education, brochures, provided to schools and citizens	This activity was determined to be an everyday/ongoing activity
Articles posted in local papers and websites on natural hazards	This activity was determined to be an everyday/ongoing activity
Promote use of NOAA radios in schools, nursing homes, businesses, private homes, and large gatherings	This activity was determined to be an everyday/ongoing activity
Fire prevention classes conducted at local schools	This activity was determined to be an everyday/ongoing activity
Insure that county school buses are outfitted with two-way radios	This activity was determined to be an everyday/ongoing activity
Encourage schools to conduct programs on earthquake safety	This activity was determined to be an everyday/ongoing activity
Participate in regularly scheduled Table-top exercise and mock emergency exercises	This activity was determined to be an everyday/ongoing activity
Add EAS to 911 as funds become available	This activity was determined to be an everyday/ongoing activity
Maintain and update Emergency Operating Plan on a regular schedule	This activity was determined to be an everyday/ongoing activity
Evaluate and upgrade as needed the current emergency response communication infrastructure	This activity was determined to be an everyday/ongoing 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 B-Part 2. 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

Action Title:	**Jurisdiction:**
Action ID:	

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?		
STAPLEE Score		

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.	
Mitigation Effectiveness Score		

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

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

Action MPC 2000: Generator for Emergency Shelter

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

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

Action MPC 2000: Updating Warning Sirens

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

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

Action MPC 2000: Encourage Drought Resistant Farming Practices

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

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

Action MPC 2000: Monitor Dams

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

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

Action MPC 2000: Update current emergency response communication infrastructure

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

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

Action MPC 2000: Upgrade Warning Sirens

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

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

Action MPC 2000: NFIP

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

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

on infrastructure; on the local economy.

Action MPC 2000: Update Floodplain Map

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

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

Action MPC 1015: Upgrade Warning Sirens/Test sirens on regular basis

Action Worksheet	
Name of Jurisdiction:	City of Paris
Risk / Vulnerability	
Problem being Mitigated:	Residents lack early warning of storms or tornados
Hazard(s) Addressed:	T ST WF F SE TX
Action or Project	
Action/Project Number:	MPC 1015
Name of Action or Project:	Upgrade warning sirens when funds become available, Test sirens on a regular basis
Action or Project Description:	Maintain and testing on regular schedule of the current warning siren system and upgrade as needed and funds become available
Applicable Goal Statement:	Goal 2- Strengthen Communication and coordination between local governments, emergency personnel, public agencies, and citizens to mitigate the effects of future natural hazards
Estimated Cost:	$22,000
Benefits:	Lives will be protected from hazards such as tornados.
Plan for Implementation	
Responsible Organization/Department:	City Administrator
Action/Project Priority:	High
Timeline for Completion:	2023
Potential Fund Sources:	N/A
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan
Progress Report	
Action Status	Continuing
Report of Progress	Complete regular testing of sirens
Completed by:	Lisa Hollingsworth

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

Action MPC 1017: Upgrade Warning Sirens

Action Worksheet	
Name of Jurisdiction:	City of Paris
Risk / Vulnerability	
Problem being Mitigated:	Residents lack early warnings of storms.
Hazard(s) Addressed:	T ST WF F SE TX
Action or Project	
Action/Project Number:	MPC 1017
Name of Action or Project:	Investigate Updating Warning sirens
Action or Project Description:	Obtain warning sirens, or additional warning sirens as needed, and as funds become available.
Applicable Goal Statement:	Goal 3- Investigate, implement, maintain, and enforce mitigation policies and programs that limit the impact of natural hazards: on loss of life; on new and existing properties; on natural resources; on infrastructure; and on the local economy.
Estimated Cost:	$22,000
Benefits:	With adequate time for warning of storms, residents are able to seek cover to help minimize the loss of life.
Plan for Implementation	
Responsible Organization/Department:	City Administrator
Action/Project Priority:	High
Timeline for Completion:	1-5 years
Potential Fund Sources:	N/A
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation
Progress Report	
Action Status	Continuing Not Started
Report of Progress	N/A
Completed by:	Lisa Hollingsworth

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

Action MPC 1004: Generators for Shelters

Action Worksheet	
Name of Jurisdiction:	City of Monroe City
Risk / Vulnerability	
Problem being Mitigated:	Lack of Generators for Shelters
Hazard(s) Addressed:	ET T F PH TX U SWW ST
Action or Project	
Action/Project Number:	MPC 1004
Name of Action or Project:	Generators for Shelters
Action or Project Description:	Obtain a back-up generator(s) for emergency shelters as funds become available
Applicable Goal Statement:	Goal 2-Stregthen communication and coordination between local governments, emergency personnel, public agencies, and citizens to mitigate the effects of future natural hazards.
Estimated Cost:	$30,000
Benefits:	Generators allow for continued use of utilities during a power outage. This can serve as a benefit for continued air conditioning for cooling centers.
Plan for Implementation	
Responsible Organization/Department:	City Administrator
Action/Project Priority:	High
Timeline for Completion:	1-5 years
Potential Fund Sources:	N/A
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation
Progress Report	
Action Status	Continuing not started
Report of Progress	N/A
Completed by:	Jackie Pangborn

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

Action MPC 1005: Generators for Water Plant

Action Worksheet	
Name of Jurisdiction:	City of Monroe City
Risk / Vulnerability	
Problem being Mitigated:	Generator for water plant to help maintain water supply in power outage.
Hazard(s) Addressed:	ET T F PH TX U SWW ST
Action or Project	
Action/Project Number:	MPC 1005
Name of Action or Project:	Generator for Water Plant
Action or Project Description:	Obtain generator for the water plant due to extended power outage to maintain water supply to town.
Applicable Goal Statement:	Goal 2-Stregthen communication and coordination between local governments, emergency personnel, public agencies, and citizens to mitigate the effects of future natural hazards.
Estimated Cost:	$30,000
Benefits:	A Generator for the water plant will allow for the ability to water supply to continue to be available to citizens in the event of an extended power outage.
Plan for Implementation	
Responsible Organization/Department:	City Administrator
Action/Project Priority:	High
Timeline for Completion:	1-5 years
Potential Fund Sources:	N/A
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation
Progress Report	
Action Status	New
Report of Progress	N/A
Completed by:	Jackie Pangborn

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

Action MPC 1006: Training of Personnel

Action Worksheet	
Name of Jurisdiction:	City of Monroe City
Risk / Vulnerability	
Problem being Mitigated:	FL LF DF EQ LSS D ET ST SWW T WF A CD F HM MTA PH SE TX U
Hazard(s) Addressed:	List the hazard or hazards that will be addressed by this action
Action or Project	
Action/Project Number:	MPC 1006
Name of Action or Project:	Training of Personnel
Action or Project Description:	Participate in regularly scheduled table-top exercise and mock emergency exercises and mock emergency exercises.
Applicable Goal Statement:	Goal 2-Stregthen communication and coordination between local governments, emergency personnel, public agencies, and citizens to mitigate the effects of future natural hazards.
Estimated Cost:	$2,000
Benefits:	Regular training ensures personnel to be well versed in how to react in the event of an emergency, to help minimize chaos.
Plan for Implementation	
Responsible Organization/Department:	City Administrator
Action/Project Priority:	High
Timeline for Completion:	1-5 years
Potential Fund Sources:	N/A
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation
Progress Report	
Action Status	Continue not started
Report of Progress	N/A
Completed by:	Jackie Pangborn

Goal 2: Strengthen communication and coordination between local governments, emergency

personnel, public agencies, and citizens to mitigate the effects of future natural hazards.

Action MPC 1007: Monitor Dams

Action Worksheet	
Name of Jurisdiction:	City of Monroe City
Risk / Vulnerability	
Problem being Mitigated:	DF
Hazard(s) Addressed:	List the hazard or hazards that will be addressed by this action
Action or Project	
Action/Project Number:	MPC 1007
Name of Action or Project:	Monitor Dams
Action or Project Description:	Monitor dams at City lakes. Review and conform to DNR regulations at the dams
Applicable Goal Statement:	Goal 2-Stregthen communication and coordination between local governments, emergency personnel, public agencies, and citizens to mitigate the effects of future natural hazards.
Estimated Cost:	N/A
Benefits:	Regular monitoring of dams will help minimize the risk of dam failure and flooding.
Plan for Implementation	
Responsible Organization/Department:	City Administrator
Action/Project Priority:	High
Timeline for Completion:	Ongoing
Potential Fund Sources:	N/A
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation
Progress Report	
Action Status	Continue- Monroe City monitors dams regularly
Report of Progress	N/A
Completed by:	Jackie Pangborn

Goal 3: Investigate, implement, maintain, and enforce mitigation policies and programs that limit

the impact of natural hazards: on loss of life; on new and existing properties; on natural resources; on infrastructure; on the local economy.

Action MPC 1008: Secure Storage Facility

Action Worksheet	
Name of Jurisdiction:	City of Monroe City
Risk / Vulnerability	
Problem being Mitigated:	FL ST SWW T WF SE U
Hazard(s) Addressed:	Important records kept secure in the event of a disaster
Action or Project	
Action/Project Number:	MPC 1008
Name of Action or Project:	Secure Storage Facility
Action or Project Description:	Construction of a secure storage facility for all county records.
Applicable Goal Statement:	Goal 3- Investigate, implement, maintain, and enforce mitigation policies and programs that limit the impact of natural hazards: on loss of life; on new and existing properties; on natural resources; on infrastructure; on the local economy.
Estimated Cost:	N/A
Benefits:	Secure storage ensures safety of county records that cannot be replaced.
Plan for Implementation	
Responsible Organization/Department:	City Administrator
Action/Project Priority:	High
Timeline for Completion:	1-5 years
Potential Fund Sources:	N/A
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation
Progress Report	
Action Status	Continue not started
Report of Progress	N/A
Completed by:	Jackie Pangborn

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

Action MPC 1009: Upgrade emergency response communication infrastructure

Action Worksheet	
Name of Jurisdiction:	City of Monroe City
Risk / Vulnerability	
Problem being Mitigated:	Lack of communication is a hazard
Hazard(s) Addressed:	List the hazard or hazards that will be addressed by this action
Action or Project	
Action/Project Number:	MPC 1009
Name of Action or Project:	Upgrade emergency response communication infrastructure
Action or Project Description:	Evaluate and upgrade the current emergency response communication infrastructure as needed and funds become available
Applicable Goal Statement:	Goal 3- Investigate, implement, maintain, and enforce mitigation policies and programs that limit the impact of natural hazards: on loss of life; on new and existing properties; on natural resources; on infrastructure; on the local economy.
Estimated Cost:	$30,000
Benefits:	Current communication is essential in the event of an emergency and allows for ongoing communication throughout the event.
Plan for Implementation	
Responsible Organization/Department:	City Administrator
Action/Project Priority:	High
Timeline for Completion:	1-5 years
Potential Fund Sources:	N/A
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation
Progress Report	
Action Status	Continue not started
Report of Progress	N/A
Completed by:	Jackie Pangborn/Tyler Wheeler

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

Action MPC 1010: Upgrade Warning Sirens

Action Worksheet	
Name of Jurisdiction:	City of Monroe City
Risk / Vulnerability	
Problem being Mitigated:	Residents lack early warning signs
Hazard(s) Addressed:	FL LF DF EQ LSS D ET ST SWW T WF A F SE TX
Action or Project	
Action/Project Number:	MPC 1010
Name of Action or Project:	Warning Sirens
Action or Project Description:	Obtain additional warning sirens, update current siren as funds become available
Applicable Goal Statement:	Goal 3- Investigate, implement, maintain, and enforce mitigation policies and programs that limit the impact of natural hazards: on loss of life; on new and existing properties; on natural resources; on infrastructure; on the local economy.
Estimated Cost:	$22,000
Benefits:	Warning sirens allow for advance notice of an emergency, and prevention of loss of life.
Plan for Implementation	
Responsible Organization/Department:	City Administrator
Action/Project Priority:	Medium
Timeline for Completion:	1-5 years
Potential Fund Sources:	N/A
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation
Progress Report	
Action Status	Continue not started
Report of Progress	N/A
Completed by:	Jackie Pangborn

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

Action MPC 1011: Upgrade Warning Sirens

Action Worksheet	
Name of Jurisdiction:	City of Monroe City
Risk / Vulnerability	
Problem being Mitigated:	A need for a central emergency operation center in the event of a disaster
Hazard(s) Addressed:	FL LF DF EQ LSS D ET ST SWW T WF A F HM PH SE TX
Action or Project	
Action/Project Number:	MPC 1011
Name of Action or Project:	Emergency Operations Center
Action or Project Description:	Establish fully equipped Emergency Operations Center
Applicable Goal Statement:	Goal 3- Investigate, implement, maintain, and enforce mitigation policies and programs that limit the impact of natural hazards: on loss of life; on new and existing properties; on natural resources; on infrastructure; on the local economy.
Estimated Cost:	$12,000
Benefits:	An established Emergency Operation Center allows a designated area to be utilized for emergency situations.
Plan for Implementation	
Responsible Organization/Department:	City Administrator
Action/Project Priority:	High
Timeline for Completion:	1-5 years
Potential Fund Sources:	N/A
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation
Progress Report	
Action Status	Continue not started
Report of Progress	N/A
Completed by:	Jackie Pangborn/Tyler Wheeler

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

Action MPC 1000: Upgrade Warning Sirens

Action Worksheet	
Name of Jurisdiction:	City of Madison
Risk / Vulnerability	
Problem being Mitigated:	Residents lack early warning of storms or tornados
Hazard(s) Addressed:	T ST WF F SE TX
Action or Project	
Action/Project Number:	MPC 1000
Name of Action or Project:	Upgrade warning sirens when funds become available, Test sirens on a regular basis
Action or Project Description:	Maintain and testing on regular schedule of the current warning siren system and upgrade as needed and funds become available
Applicable Goal Statement:	Goal 2- Strengthen Communication and coordination between local governments, emergency personnel, public agencies, and citizens to mitigate the effects of future natural hazards
Estimated Cost:	$22,000
Benefits:	Lives will be protected from hazards such as tornados.
Plan for Implementation	
Responsible Organization/Department:	City Clerk
Action/Project Priority:	High
Timeline for Completion:	2023
Potential Fund Sources:	N/A
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan
Progress Report	
Action Status	Continuing
Report of Progress	Upgrading to a new system
Completed by:	Melissa O'Bannon

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

Action MPC 1001: Establish Cooling Centers

Action Worksheet	
Name of Jurisdiction:	City of Madison
Risk / Vulnerability	
Problem being Mitigated:	Lack of cooling centers in the city, youth and elderly may become overheated in extreme heat
Hazard(s) Addressed:	EHD T ST
Action or Project	
Action/Project Number:	MPC 1001
Name of Action or Project:	Establish cooling centers.
Action or Project Description:	Establish shelters and cooling centers.
Applicable Goal Statement:	Goal 3- Investigate, implement, maintain, and enforce mitigation policies and programs that limit the impact of natural hazards: on loss of life; on new and existing properties; on natural resources; on infrastructure; and on the local economy.
Estimated Cost:	$3,000
Benefits:	Lives can be saved and protected from extreme heat and cold
Plan for Implementation	
Responsible Organization/Department:	City Clerk
Action/Project Priority:	
Timeline for Completion:	2020
Potential Fund Sources:	N/A
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan
Progress Report	
Action Status	Continuing in Progress
Report of Progress	Continuing to support the establishment of cooling centers and shelters.
Completed by:	Melissa O'Bannon

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

Action MPC 1002: Emergency Management Director Training

Action Worksheet	
Name of Jurisdiction:	City of Madison
Risk / Vulnerability	
Problem being Mitigated:	Lack adequate training on disaster preparedness
Hazard(s) Addressed:	FL LF DF EQ LSS D ET ST SWW T WF A CD HM MTA SE PH SE TX
Action or Project	
Action/Project Number:	MPC 1002
Name of Action or Project:	Emergency Management Director Training
Action or Project Description:	Provide training and certification of Emergency Management Director
Applicable Goal Statement:	Goal 3- Investigate, implement, maintain, and enforce mitigation policies and programs that limit the impact of natural hazards: on loss of life; on new and existing properties; on natural resources; on infrastructure; and on the local economy.
Estimated Cost:	$3,000
Benefits:	Provide a narrative describing the losses that will be avoided by implementing this action. If dollar amounts of avoided losses are known, include them as well.
Plan for Implementation	
Responsible Organization/Department:	City Clerk
Action/Project Priority:	Low
Timeline for Completion:	1-5 years
Potential Fund Sources:	N/A
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation
Progress Report	
Action Status	Continuing in Progress
Report of Progress	Continuing to support training to keep EMD updated on emergency efforts, and hazards.
Completed by:	Melissa O'Bannon

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

Action MPC 1003: Investigate Updating Warning Sirens

Action Worksheet	
Name of Jurisdiction:	City of Madison
Risk / Vulnerability	
Problem being Mitigated:	Residents lack early warnings of storms.
Hazard(s) Addressed:	T ST WF F SE TX
Action or Project	
Action/Project Number:	MPC 1003
Name of Action or Project:	Investigate Updating Warning sirens
Action or Project Description:	Obtain warning sirens, or additional warning sirens as needed, and as funds become available.
Applicable Goal Statement:	Goal 3- Investigate, implement, maintain, and enforce mitigation policies and programs that limit the impact of natural hazards: on loss of life; on new and existing properties; on natural resources; on infrastructure; and on the local economy.
Estimated Cost:	$22,000
Benefits:	With adequate time for warning of storms, residents are able to seek cover to help minimize the loss of life.
Plan for Implementation	
Responsible Organization/Department:	City Clerk
Action/Project Priority:	High
Timeline for Completion:	1-5 years
Potential Fund Sources:	N/A
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation
Progress Report	
Action Status	Continuing Not Started
Report of Progress	N/A
Completed by:	Melissa O'Bannon

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

Action MPC 1043: Maintenance/Build Storm Shelter

Action Worksheet	
Name of Jurisdiction:	Paris R-II School District
Risk / Vulnerability	
Problem being Mitigated:	Storm Shelter to offer protection to students and staff
Hazard(s) Addressed:	ET T F PH TX U SWW ST
Action or Project	
Action/Project Number:	MPC 1043
Name of Action or Project:	Maintenance/Building Storm Shelter
Action or Project Description:	Build a storm shelter to allow for a safe place in the event of a storm or other events; as funds become available.
Applicable Goal Statement:	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.
Estimated Cost:	$1,000,000.00
Benefits:	Storm Shelter
Plan for Implementation	
Responsible Organization/Department:	School Superintendent
Action/Project Priority:	High
Timeline for Completion:	1-5 years
Potential Fund Sources:	N/A
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation
Progress Report	
Action Status	New
Report of Progress	N/A
Completed by:	Aaron Vitt

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

Action MPC 1042: Maintenance/Build Storm Shelter

Action Worksheet	
Name of Jurisdiction:	Madison C-3 School District
Risk / Vulnerability	
Problem being Mitigated:	Storm Shelter to offer protection to students and staff
Hazard(s) Addressed:	ET T F PH TX U SWW ST
Action or Project	
Action/Project Number:	MPC 1042
Name of Action or Project:	Maintenance/Building Storm Shelter
Action or Project Description:	Build a storm shelter to allow for a safe place in the event of a storm or other events; as funds become available.
Applicable Goal Statement:	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.
Estimated Cost:	$1,000,000.00
Benefits:	Storm Shelter
Plan for Implementation	
Responsible Organization/Department:	School Superintendent
Action/Project Priority:	High
Timeline for Completion:	1-5 years
Potential Fund Sources:	N/A
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation
Progress Report	
Action Status	New
Report of Progress	N/A
Completed by:	Shane Stocks

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

Action MPC 1041: Maintenance/Build Storm Shelter

Action Worksheet	
Name of Jurisdiction:	Holliday C-2 School District
Risk / Vulnerability	
Problem being Mitigated:	Storm Shelter to offer protection to students and staff
Hazard(s) Addressed:	ET T F PH TX U SWW ST
Action or Project	
Action/Project Number:	MPC 1041
Name of Action or Project:	Maintenance/Building Storm Shelter
Action or Project Description:	Build a storm shelter to allow for a safe place in the event of a storm or other events; as funds become available.
Applicable Goal Statement:	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.
Estimated Cost:	$1,000,000.00
Benefits:	Storm Shelter
Plan for Implementation	
Responsible Organization/Department:	School Superintendent
Action/Project Priority:	High
Timeline for Completion:	1-5 years
Potential Fund Sources:	N/A
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation
Progress Report	
Action Status	New
Report of Progress	N/A
Completed by:	Daniel Liebhart

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

Action MPC 1040: Maintenance/Build Storm Shelter

Action Worksheet	
Name of Jurisdiction:	Monroe City R-I School District
Risk / Vulnerability	
Problem being Mitigated:	Storm Shelter to offer protection to students and staff
Hazard(s) Addressed:	ET T F PH TX U SWW ST
Action or Project	
Action/Project Number:	MPC 1040
Name of Action or Project:	Maintenance/Building Storm Shelter
Action or Project Description:	Build a storm shelter to allow for a safe place in the event of a storm or other events; as funds become available.
Applicable Goal Statement:	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.
Estimated Cost:	$1,000,000.00
Benefits:	Storm Shelter
Plan for Implementation	
Responsible Organization/Department:	School Superintendent
Action/Project Priority:	High
Timeline for Completion:	1-5 years
Potential Fund Sources:	N/A
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation
Progress Report	
Action Status	New
Report of Progress	N/A
Completed by:	Tracy Bottoms

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

Action MPC 1030: Generators for Shelters

Action Worksheet	
Name of Jurisdiction:	Holy Rosary School
Risk / Vulnerability	
Problem being Mitigated:	Lack of Generators for Shelters
Hazard(s) Addressed:	ET T F PH TX U SWW ST
Action or Project	
Action/Project Number:	MPC 1030
Name of Action or Project:	Generators for Shelters
Action or Project Description:	Obtain a back-up generator(s) for emergency shelters in the event of a power outage at the school that causes students and staff to be required to stay within the school grounds
Applicable Goal Statement:	Goal 2-Stregthen communication and coordination between local governments, emergency personnel, public agencies, and citizens to mitigate the effects of future natural hazards.
Estimated Cost:	$30,000
Benefits:	Generators allow for continued use of utilities during a power outage. This can serve as a benefit for continued air conditioning for cooling centers.
Plan for Implementation	
Responsible Organization/Department:	School Principal
Action/Project Priority:	High
Timeline for Completion:	1-5 years
Potential Fund Sources:	N/A
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation
Progress Report	
Action Status	New
Report of Progress	N/A
Completed by:	Sr. Sue Walker

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

Action MPC 1031: Maintenance of Storm Shelter

Action Worksheet	
Name of Jurisdiction:	Holy Rosary School
Risk / Vulnerability	
Problem being Mitigated:	Storm Shelter to offer protection to students and staff
Hazard(s) Addressed:	ET T F PH TX U SWW ST
Action or Project	
Action/Project Number:	MPC 1031
Name of Action or Project:	Maintenance of Storm Shelter
Action or Project Description:	Storm Shelter maintenance to ensure structure is up to current codes and remains a safe place in the event of a storm or other event.
Applicable Goal Statement:	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.
Estimated Cost:	$700,000
Benefits:	Storm Shelter
Plan for Implementation	
Responsible Organization/Department:	School Principal
Action/Project Priority:	High
Timeline for Completion:	1-5 years
Potential Fund Sources:	N/A
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation
Progress Report	
Action Status	New
Report of Progress	N/A
Completed by:	Sr. Sue Walker