

4 MITIGATION STRATEGY

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

This section presents the mitigation strategy 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 Macon County’s existing hazard mitigation plan approved by FEMA on May 4, 2015. Therefore, the goals from the 2015 Macon County Hazard Mitigation Plan were reviewed to see if they were still valid, feasible, practical, and applicable to the defined hazard impacts. The MPC conducted a discussion session during their 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 2018 State Hazard Mitigation Plan goals were reviewed. The MPC also reviewed the goals from current surrounding county plans.

Goal 1. Public Awareness: Using a variety of communication 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.

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

Goal 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.

It was determined the broadly stated goals were still valid for the 2020 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. 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 included problem statements in the plan update at the end of each hazard profile. 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 HMA 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 A 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;
- Ongoing, with a description of the progress made to date; or
- Not Yet Started, with a discussion of the reasons for lack of progress.

Additionally, the future inclusion of each mitigation action in the plan update was identified as either keep, delete, or modify. Based on the status updates, there were 34 completed actions, 0 continuing actions (either ongoing or modified), and 167 deleted actions.

0 provides a summary of the action statuses for each jurisdiction:

Table 4.1. Action Status Summary

Jurisdiction	Completed Actions	Continuing Actions (ongoing or modify)	Deleted Actions
Macon County	0	0	32
City of Atlanta	0	0	0
City of Macon	0	0	43
City of Elmer	0	0	14
City of La Plata	11	0	27
City of Bevier	14	0	17
City of Callao	0	0	31
Macon R-1 School	3	0	1
Macon R-IV School	3	0	1
Atlanta C-3	3	0	1

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)
Ensure that county school buses are outfitted with two way communication. Atlanta C-3, Macon R-I, Bevier	School Buses outfitted with cell phones for communication.
Encourage schools to conduct programs on earthquake safety. Atlanta C-3, Macon R-I, Macon R-IV	School provides training on earthquake safety.
Update Emergency Operating Plan on a regular schedule. Macon County, La Plata, Macon City, Atlanta C-3, Macon R-1, Macon R-IV	Reviewed and updated on an annual basis
Promote use of NOAA radios in businesses, private homes and large gatherings Bevier	City promoted use of radios
Co-op to remove trees from power line easements in addition to current trimming program. Bevier	City completed action item
Obtain sufficient back-up generators for shelters as funds become available. Bevier	City completed action item
Maintain a list of special needs individuals Bevier	City completed action item
Maintain and testing on regular schedule of the current warning siren system and upgrade as needed and funds become available Bevier	City completed action item
Maintain and clean culverts and storm water drainage system on a regular schedule Bevier	City completed action item
Plan for debris removal is in place and a designated located for debris is established Bevier	City completed action item
Establish cooling center at shelter Bevier, La Plata	City completed action item
Update Emergency Operating Plan on a regular schedule Bevier, La Plata	City completed action item
Update and maintain list of buildings that are shelters distribute list Bevier	City completed action item
Maintain snow plowing and removal equipment. Maintain adequate suppl of salt during icy weather. Bevier	City completed action item
Maintain a supply of extra culverts and materials for repairs for emergency use. Bevier, La Plata	City completed action item
Maintain and replace missing street signs Bevier	City completed action item
Have speaker available to conduct programs on earthquake safety and severe weather safety. La Plata	City completed action item
Participate in regularly scheduled Table-top exercises and mock emergency exercises. La Plata	City completed action item

Investigate the possibility of obtaining a warning siren as funds become available. La Plata	City completed action item
Maintain and testing on regular schedule of the current warning siren system and upgrades as needed and funds become available. La Plata	City completed action item
Evaluate and upgrade as needed the current emergency response communication infrastructure La Plata	City completed action item
Update Emergency Operating Plan on a regular schedule La Plata	City completed action item
Study of current warning siren system and upgrade as needed and funds become available La Plata	City completed action item
Review the storm water drainage system and upgrade as needed and as funds become available La Plata	City completed action item
Review of storm water drainage system and capital improvements plan to upgrade water drainage as needed La Plata	City completed action item
Deleted Actions	Reason for Deletion
Have educational brochures on what to do during a natural disaster available to schools and citizens. Macon County, Bevier, Callao, Elmer, La Plata, Macon City	Action Item was determined to be an everyday item
Have information brochures on retrofitting windows available to distribute to Schools, Day Cares and Nursing Homes. Macon City	Action Item was determined to be an everyday item
Have educational brochures on what to do during extreme heat conditions and distribute to nursing homes, childcare centers and schools. Macon County, Bevier, Callao, La Plata	Action Item was determined to be an everyday item
Encourage drought resistant yard watering practices. City has ordinance regulating water usage. Bevier, La Plata	Action Item was determined to be an everyday item
Work with local cable TV company to post severe natural hazards announcements. Bevier, La Plata, Macon City	Action Item was determined to be an everyday item
Have educational brochures on what to do during a natural disaster available to the public at the police station, fire station, and city hall. Articles published in local newspaper. La Plata, Macon City	Action Item was determined to be an everyday item
Distribute design construction awareness brochures with building permits. Macon City	Action Item was determined to be an everyday item
Promote use of NOAA radios in businesses, private homes, and large gatherings. Macon County, Callao, Elmer, La Plata, Macon City, South Gifford	Action Item was determined to be an everyday item
Have speaker available to conduct programs on earthquake safety and severe weather safety. Macon County, Bevier, Macon City, Atlanta C-3, Macon R-I, Macon R-IV	Action Item was determined to be an everyday item
Co-op to remove trees from power line easements	Action Item was determined to be an everyday item

in addition to current trimming program. Macon County, Callao, Elmer, La Plata, Macon City,	
Ensure that county school buses are outfitted with two-way communication Macon County, La Plata	Action Item not applicable to the County or Cities
Partnership with NECAC for distribution of fans as needed. La Plata, Macon City	Action Item was determined to be an everyday item
Obtain sufficient back-up generators for shelters as funds become available. Macon County, Callao, Elmer, La Plata, Macon City,	Action Item was determined to be an everyday item
Maintain Mutual Aid Agreements and update on regular schedule Macon County, Bevier, Callao, Elmer, La Plata, Macon City	Action Item was determined to be an everyday item
Encourage schools to conduct programs on earthquake safety. Macon County, Bevier, Callao, Elmer, Macon City	Action Item not applicable to the County or Cities
Spot check of elderly and special needs individuals. Bevier, Callao, Elmer	Action Item was determined to be an everyday item
Conduct regularly scheduled training for weather spotters. Macon County, Bevier, Callao, Elmer, La Plata, Macon City	Action Item was determined to be an everyday item
Maintain a list of special needs individuals Macon County, Callao	Action Item was determined to be an everyday item
Participate in regularly scheduled Table-top exercises and mock emergency exercises. Macon County, Bevier, Callao, Macon City	Action Item was determined to be an everyday item
Investigate the possibility of obtaining a warning siren as fund become available. Callao, Elmer	Action Item was determined to be an everyday item
Maintain and testing on regular schedule of the current warning siren system and upgrade as needed and funds become available. Callao, Macon City	Action Item was determined to be an everyday item
Implement bi-annual weather spotter training Macon City	Action Item was determined to be an everyday item
Maintain and clean culverts and storm water drainage system on a regular schedule. Macon County, Callao, Elmer, La Plata, Macon City	Action Item was determined to be an everyday item
Encourage drought resistant farming practices. Macon County	Action Item was determined to be an everyday item
Encourage landowners to inspect and maintain their dams according to Dept. of Natural Resources standards. Macon County	Action Item was determined to be an everyday item
Work with Army Corps of Engineers on Dam Safety at Long Branch Lake. Macon City	Action Item was determined to be an everyday item
Plan for debris removal is in place and a designated location for debris is established. Callao, Macon City	Action Item was determined to be an everyday item
Engineering study currently in place for drainage patterns. La Plata, Macon City	Action Item was determined to be an everyday item
Conduct a study on all "at peril" roads and bridges. Make a plan to upgrade the "at peril" and bridges as funds become available.	Action Item was determined to be an everyday item

Macon County	
Establish cooling center at shelter Macon County, Elmer, Macon City	Action Item was determined to be an everyday item
Evaluate and upgrade as needed the current emergency response communication infrastructure. Macon County, Bevier, Callao, Macon City	Action Item was determined to be an everyday item
Maintain transportation infrastructure. Macon County, Callao, La Plata, Macon City	Action Item was determined to be an everyday item
Update Emergency Operating Plan on a regular schedule Callao, Elmer,	Do not have an emergency operations plan
Study current warning siren system and upgrade as needed and funds become available Callao	Action Item was determined to be an everyday item
Review the storm water drainage system and upgrade as needed and as funds become available Bevier, Callao,	Action Item was determined to be an everyday item
Update and maintain list of buildings that are shelters, distribute list Macon County, Callao, Elmer, La Plata, Macon City	Action Item was determined to be an everyday item
Macon County 911 has direct notification of severe weather alerts to schools, nursing homes, hospitals and fire departments. Macon County	Action Item was determined to be an everyday item
Maintain snow plowing and removal equipment. Maintain adequate supply of salt during icy weather. Macon County, Callao, La Plata, Macon City	Action Item was determined to be an everyday item
Ensure that "Road Impassable" during high water signs are posted. Macon County, Macon City	Action Item was determined to be an everyday item
Maintain Road and Bridge equipment Macon County, Macon City	Action Item was determined to be an everyday item
Maintain a supply of extra culverts and materials for repairs for emergency use. Macon County, Callao, La Plata, Macon City	Action Item was determined to be an everyday item
Maintain map and update list of low-lying roads and bridges that are in peril. Sheriff Dept. checks all low-lying roads for problems. Macon County	Action Item was determined to be an everyday item
Obtain portable generators to maintain communication infrastructure as funds become available. La Plata, Macon City	Action Item was determined to be an everyday item
Work with FEMA and Army Corp of Engineers to update Floodplain map as needed. Callao, Macon City	Action Item was determined to be an everyday item
Training and certification of Emergency Management Director Macon County, Bevier, Callao, La Plata, Macon City	Action Item was determined to be an everyday item
Maintain and replace missing street signs Macon County, La Plata, Macon City	Action Item was determined to be an everyday item
Training and certification of Emergency Management Director Macon County, Bevier, Callao, La Plata, Macon City	Action Item was determined to be an everyday item
Partnership with NECAC for distribution of fans as needed. Callao, La Plata, Macon City	Action Item was determined to be an everyday item

Have a plan in place for local snow removal as needed in addition to snow removal provided by county on county roads Bevier, Elmer, La Plata	Action Item was determined to be an everyday item
Utilities are being placed underground in the business districts and new subdivisions Macon City	Action Item was determined to be an everyday item
Water meters are being replaced with electronic read devices to eliminate meter breakages and possible water main breakage or damage La Plata, Macon City	Action Item was determined to be an everyday item
Maintain capability to generate city's electricity as needed La Plata, Macon City	Action Item was determined to be an everyday item
Develop list of services, contacts for incoming helpers La Plata, Macon City	Action Item was determined to be an everyday item
Existing plan in place to have Macon Lake as the back-up water supply for the City of Macon	Action Item was determined to be an everyday item
Investigate possibility of obtaining back-up generator for the water treatment and waste water treatment plants as funds become available. La Plata, Macon City	Action Item was determined to be an everyday item
Encourage drought resistant farming practices Macon County	Action Item was determined to be an everyday item
Set up a schedule to publish timely articles in the local papers on safety during natural hazards throughout the year Macon County, Macon City	Action Item was determined to be an everyday item
In Macon County only cities of Macon and Elmer, participate in the NFIP. Macon County and the cities of Macon and Elmer will continue to comply and implement the NFIP requirements and to reduce the flood risks associated with the Flood Hazard Areas Callao, Macon City	Action Item was determined to be an everyday item
Burn bans issued by County Commission as needed Macon County, Bevier, Callao, Elmer, La Plata, Macon City	Action Item was determined to be an everyday item
Update and maintain the fire suppression emergency plan the Macon Rural Fire Dept. LEPC and Northeast Missouri Grain Processors Ethanol Plan Macon County	Action Item was determined to be an everyday item
Enforce Floodplain Ordinance to ensure that no building is built in the floodplain zones Callao, Macon City	Action Item was determined to be an everyday item
Establish an Emergency Management Director position for the City Bevier, Callao, Macon City	Action Item was determined to be an everyday item
Emergency snow routes are designated by city ordinance Macon City	Action Item was determined to be an everyday item
Enforcement of current building codes La Plata, Macon City	Action Item was determined to be an everyday item
Review of storm water drainage system and capital improvements plan to upgrade water drainage as needed Bevier, Macon City	Action Item was determined to be an everyday item
Established EOC at the fire/police departments Bevier, Callao, La Plata, Macon City	Action Item was determined to be an everyday item

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 2018 Missouri State Hazard Mitigation Plan. The benefit/cost review at the planning stage primarily consisted of a qualitative analysis and was not the detailed process required grant funding application. For each action, the plan sets forth a narrative describing the types of benefits that could be realized from action implementation. The cost was estimated as closely as possible, with further refinement to be supplied as project development occurs.

FEMA's STAPLEE methodology was used to assess the costs and benefits, overall feasibility of mitigation actions, and other issues impacting project^{7(a)}. During the prioritization process, the jurisdictions 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 points
Definitely NO = 0 points

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 C. 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 0

Blank STAPLEE Worksheet

STAPLEE Worksheet		
Name of Jurisdiction:		
Action or Project		
Action/Project Number:	Insert a unique action number for this action for future tracking purposes. This can be a combination of the jurisdiction name, followed by the goal number and action number (i.e. Joplin1.1)	
Name of Action or Project:		
Mitigation Category:	Prevention; Structure and Infrastructure Projects; Natural Systems Protection; Education and Outreach; Emergency Services	
STAPLEE Criteria		Score
Evaluation Rating Definitely YES = 3 Maybe YES = 2 Probably NO = 1 Definitely NO = 0		
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 ?		
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 will 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 + Mitigation Effectiveness)		

<input type="checkbox"/> High Priority (30+ points)	<input type="checkbox"/> Medium Priority (25 - 29 points)	<input type="checkbox"/> Low Priority (<25 points)
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Completed by
(Name, Title, Phone Number) _____

Action Worksheet	
Name of Jurisdiction:	City of Macon
Risk / Vulnerability	
Hazard(s) Addressed:	Extreme Temperature, Severe Thunderstorm, Severe Winter Weather, Tornado
Problem being Mitigated:	Backup Generator for City Hall / Municipal Utility Office
Action or Project	
Applicable Goal Statement:	Goal 2: Strengthen communication and coordination between local governments, emergency personnel, public agencies and citizens to mitigate the effect of future natural hazards.
Action/Project Number:	City of Macon 2019.1
Name of Action or Project:	Backup Generator for City Hall/ Municipal Utility Office
Mitigation Category:	Prevention; Structure and Infrastructure Projects; Emergency Services
Action or Project Description:	Obtain a back-up generator for City Hall / Municipal Utility Office as funds become available.
Estimated Cost:	\$45,000.00
Benefits:	Generator will allow for continued use of City Hall/ Municipal Utility facility for service to citizens in the event of an outage, this would be beneficial during any hazard time.
Plan for Implementation	
Responsible Organization/Department:	City Administrator
Action/Project Priority:	33 High Priority
Timeline for Completion:	1-5 years
Potential Fund Sources:	FEMA
Local Planning Mechanisms to be Used in Implementation, if any:	Emergency Management Plan
Progress Report	
Action Status:	Continuing Not Started
Report of Progress:	Barriers encountered to initiate the action include lack of funding to purchase generator.

Action Worksheet	
Name of Jurisdiction:	City of Macon
Risk / Vulnerability	
Hazard(s) Addressed:	Flooding, Wildfire, Extreme Temperature, Severe Thunderstorm, Severe Winter Weather, Thunderstorm
Problem being Mitigated:	To increase and maintain our ability to train and/or warn citizens of natural disasters to mitigate damage of infrastructure and human life.
Action or Project	
Applicable Goal Statement:	Goal 1: Public Awareness – Using a variety of communication 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/Project Number:	City of Macon 2019.2
Name of Action or Project:	Study, Maintain, and Update Warning Siren System and Emergency Response Communication Infrastructure
Mitigation Category:	Natural Systems Protection, Emergency Services, Education and Outreach, Structure and Infrastructure Projects, and Prevention
Action or Project Description:	Study and maintain existing warning siren system and research needed warning siren system as city limits expand. Obtain needed replacement sirens and add needed additional sirens as funds become available. Provide and maintain infrastructure for emergency response communication.
Estimated Cost:	\$2,000,000
Benefits:	Maintenance of existing and addition of new warning sirens will boost citizen awareness during times of natural disasters. Monthly warning siren tests provide training periods for citizen preparedness. Maintenance of existing and addition of needed emergency response communication provides a timely response to our citizens in times of natural disasters.
Plan for Implementation	
Responsible Organization/Department:	City Administrator
Action/Project Priority:	34 High Priority
Timeline for Completion:	1-5 years
Potential Fund Sources:	FEMA
Local Planning Mechanisms to be Used in Implementation, if any:	Emergency Management Plan
Progress Report	
Action Status:	Continuing In Progress
Report of Progress:	1 of 6 warning sirens replaced in 2019

Action Worksheet	
Name of Jurisdiction:	City of Macon
Risk / Vulnerability	
Hazard(s) Addressed:	Flooding, Wildfire, Extreme Temperature, Severe Thunderstorm, Severe Winter Weather, Tornado
Problem being Mitigated:	Providing shelter for citizens in times of natural disaster when they may be in need of shelter and assistance (displaced from home, in need of air conditioning due to extreme heat, shelter from oncoming tornado, etc.).
Action or Project	
Applicable Goal Statement:	Goal 3. Investigate, implement, maintain, and enforce mitigation policies and the impact of natural hazards; on the loss of life; on new and existing proper resources; on infrastructure; and on the local economy.
Action/Project Number:	City of Macon 2019.3
Name of Action or Project:	Establish and/or construct a cooling/heating center/storm shelter
Mitigation Category:	Prevention, Structure and Infrastructure Projects, Emergency Services
Action or Project Description:	Establish and/or construct a cooling/heating center/storm shelter
Estimated Cost:	\$2,800,000
Benefits:	Protecting lives of citizens in time of need and natural disaster including extreme heat, extreme cold, flood, tornado, etc.
Plan for Implementation	
Responsible Organization/Department:	City Administrator
Action/Project Priority:	30 High Priority
Timeline for Completion:	1-5 years
Potential Fund Sources:	FEMA
Local Planning Mechanisms to be Used in Implementation, if any:	Emergency Management Plan
Progress Report	
Action Status:	Continuing - Not Started
Report of Progress:	Barriers encountered to initiate the action include lack of funding.

Action Worksheet	
Name of Jurisdiction:	City of Macon
Risk / Vulnerability	
Hazard(s) Addressed:	Flooding, Severe Thunderstorm, Severe Winter Weather
Problem being Mitigated:	Stormwater damage to infrastructure and reduction of stormwater treatment and overflow at the wastewater treatment plant facility
Action or Project	
Applicable Goal Statement:	Goal 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.
Action/Project Number:	City of Macon 2019.4
Name of Action or Project:	Review storm water drainage, make improvements to and separate combined stormwater/sewer system including engineering and construction to improve upon the Combined Sewer Overflow Plan (CSO).
Mitigation Category:	Prevention, Structure and Infrastructure Projects, Natural Systems Protection
Action or Project Description:	Review storm water drainage, make improvements to and separate combined stormwater/sewer system including engineering and construction to improve upon the Combined Sewer Overflow Plan (CSO).
Estimated Cost:	\$ 20,000,000
Benefits:	Damage prevention, environmental protection, and flood prevention
Plan for Implementation	
Responsible Organization/Department:	City Administrator
Action/Project Priority:	27 Medium Priority
Timeline for Completion:	1-5 years
Potential Fund Sources:	FEMA
Local Planning Mechanisms to be Used in Implementation, if any:	Combines Sewer Overflow Plan (CSO)
Progress Report	
Action Status:	Continuing – In Progress
Report of Progress:	Engineering was completed in 2019 to identify areas of the combined sewer/stormwater system that could be separated. The City of Macon is currently on Phase 6 (Walnut Street Project) of stormwater control. Barriers encountered to initiate further action include limited funding.

Action Worksheet	
Name of Jurisdiction:	City of Macon
Risk / Vulnerability	
Hazard(s) Addressed:	Flooding, Earthquake, Drought, Extreme Temperature, Severe Winter Weather
Problem being Mitigated:	Accessibility for emergency services/evacuation routes
Action or Project	
Applicable Goal Statement:	Goal 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.
Action/Project Number:	City of Macon 2019.5
Name of Action or Project:	Maintain Transportation Infrastructure
Mitigation Category:	Structure and Infrastructure Projects, Emergency Services
Action or Project Description:	Maintaining and providing adequate roadways to allow accessibility for emergency services/evacuation routes to provide for citizens in times of natural disasters
Estimated Cost:	\$50,000,000
Benefits:	Protection of life and reduction of damages due to accessibility to citizens in times of need
Plan for Implementation	
Responsible Organization/Department:	City Administrator
Action/Project Priority:	33 High Priority
Timeline for Completion:	1-5 years
Potential Fund Sources:	FEMA
Local Planning Mechanisms to be Used in Implementation, if any:	Infrastructure Plan
Progress Report	
Action Status:	Continuing – In Progress
Report of Progress:	The City of Macon completed 1 ¼ mile of roadway paving, widening, and ADA compliance in 2019. Barriers encountered to initiate further action include limited funding.

Action Worksheet

Name of Jurisdiction:	City of Macon
Risk / Vulnerability	
Hazard(s) Addressed:	Flooding
Problem being Mitigated:	Continue to participate in the NFIP
Action or Project	
Applicable Goal Statement:	Goal 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.
Action/Project Number:	City of Macon 2019.6
Name of Action or Project:	NFIP Participation
Mitigation Category:	Natural Systems Protection, Emergency Services, Education and Outreach, Structure and Infrastructure Projects, and Prevention
Action or Project Description:	Continue City of Macon's participation and good standing in National Flood Insurance Program
Estimated Cost:	N/A
Benefits:	Protection of life and reduction of damages due to accessibility to citizens in times of need
Plan for Implementation	
Responsible Organization/Department:	City Administrator
Action/Project Priority:	33 High Priority
Timeline for Completion:	1 year
Potential Fund Sources:	FEMA
Local Planning Mechanisms to be Used in Implementation, if any:	Floodplain ordinance
Progress Report	
Action Status:	Continuing – In Progress
Report of Progress:	Ongoing

Action Worksheet

Name of Jurisdiction:	City of La Plata
Risk / Vulnerability	
Hazard(s) Addressed:	Flooding, Extreme Temperature, Severe Thunderstorm, Severe Winter Weather, Tornado
Problem being Mitigated:	Residents not informed of what to do during a disaster.
Action or Project	
Applicable Goal Statement:	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/Project Number:	La Plata 2019.1
Name of Action or Project:	Educational brochures
Mitigation Category:	Education and Outreach
Action or Project Description:	Articles on city website, social networks and Facebook
Estimated Cost:	\$100.00
Benefits:	Educate citizens and increase awareness of natural hazards
Plan for Implementation	
Responsible Organization/Department:	City Clerk
Action/Project Priority:	24 Low
Timeline for Completion:	1-5 years
Potential Fund Sources:	FEMA
Local Planning Mechanisms to be Used in Implementation, if any:	Local Emergency Plan
Progress Report	
Action Status:	Continuing
Report of Progress:	Education is ongoing

Action Worksheet

Name of Jurisdiction:	City of Atlanta
Risk / Vulnerability	
Hazard(s) Addressed:	Severe Storms, Tornado
Problem being Mitigated:	Providing community with a safe room for shelter
Action or Project	
Applicable Goal Statement:	Goal 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.
Action/Project Number:	City of Atlanta 2019.1
Name of Action or Project:	Atlanta's Storm Shelter
Mitigation Category:	Prevention, Structure and Infrastructure Projects, Emergency Services
Action or Project Description:	Establish a tornado and storm shelter
Estimated Cost:	\$2,000,000
Benefits:	Save Lives
Plan for Implementation	
Responsible Organization/Department:	City Clerk
Action/Project Priority:	41 High Priority
Timeline for Completion:	1-5 years
Potential Fund Sources:	FEMA
Local Planning Mechanisms to be Used in Implementation, if any:	N/A
Progress Report	
Action Status:	New
Report of Progress:	New

Action Worksheet

Name of Jurisdiction:	Macon School District
Risk / Vulnerability	
Hazard(s) Addressed:	Tornado, Severe Storms, Earthquake
Problem being Mitigated:	Storm shelter to offer protection to students and staff.
Action or Project	
Applicable Goal Statement:	Goal 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.
Action/Project Number:	Macon R-1 2019.1
Name of Action or Project:	Building Storm Shelter
Mitigation Category:	Prevention, Structure and Infrastructure Projects, Emergency Services
Action or Project Description:	If and when the Macon R-1 School District has new construction planned, a tornado storm shelter will be considered. The project would be to build a storm shelter to allow for a safe place in the event of a storm or other events as funds become available.
Estimated Cost:	\$3,000,000
Benefits:	Strom shelter offers a safe place for students and staff to go in the event of an emergency.
Plan for Implementation	
Responsible Organization/Department:	Macon County R-1 School District
Action/Project Priority:	High Priority
Timeline for Completion:	1-5 years
Potential Fund Sources:	FEMA
Local Planning Mechanisms to be Used in Implementation, if any:	Master Plan
Progress Report	
Action Status:	New
Report of Progress:	N/A

Action Worksheet	
Name of Jurisdiction:	Macon County R-IV School District
Risk / Vulnerability	
Hazard(s) Addressed:	Severe Winter Weather, Severe Thunderstorm, Tornado
Problem being Mitigated:	Lack of cell phone service in all areas of the county, especially at the bottom of big hills where buses have problems in ice and snow
Action or Project	
Applicable Goal Statement:	Goal 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.
Action/Project Number:	Macon County R-IV 2019.1
Name of Action or Project:	Two-Way Communication
Mitigation Category:	Prevention, Structure and Infrastructure Projects, Emergency Services
Action or Project Description:	Purchase a frequency license, base station, repeater, antennas and a two-way radio for each bus.
Estimated Cost:	\$4,000
Benefits:	Save lives during severe weather
Plan for Implementation	
Responsible Organization/Department:	Macon County R-IV School District, Principal
Action/Project Priority:	High Priority
Timeline for Completion:	1-5 years
Potential Fund Sources:	FEMA
Local Planning Mechanisms to be Used in Implementation, if any:	Master Plan
Progress Report	
Action Status:	New
Report of Progress:	N/A

Action Worksheet	
Name of Jurisdiction:	Macon County R-IV School District
Risk / Vulnerability	
Hazard(s) Addressed:	Tornado, Severe Thunderstorms, Earthquake
Problem being Mitigated:	Lack of safe shelter for students and residents of the district
Action or Project	
Applicable Goal Statement:	Goal 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.
Action/Project Number:	Macon County R-IV 2019.2
Name of Action or Project:	Safe Room
Mitigation Category:	Prevention, Structure and Infrastructure Projects, Emergency Services
Action or Project Description:	Build a safe room
Estimated Cost:	\$1,000,000
Benefits:	Save human life
Plan for Implementation	
Responsible Organization/Department:	Macon County R-IV School District, Principal
Action/Project Priority:	High Priority
Timeline for Completion:	1-5 years
Potential Fund Sources:	FEMA
Local Planning Mechanisms to be Used in Implementation, if any:	Master Plan
Progress Report	
Action Status:	New
Report of Progress:	N/A

Action Worksheet	
Name of Jurisdiction:	City of Elmer
Risk / Vulnerability	
Hazard(s) Addressed:	Severe Winter Weather, Severe Thunderstorm, Tornado
Problem being Mitigated:	Drainage of excess amounts of rain
Action or Project	
Applicable Goal Statement:	Goal 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.
Action/Project Number:	City of Elmer 2019.1
Name of Action or Project:	Flood Control
Mitigation Category:	Prevention, Structure and Infrastructure Projects, Emergency Services
Action or Project Description:	Improve drainage for excess amounts of rain by replacing culverts and upgrading drainage along streets.
Estimated Cost:	\$100,000
Benefits:	Protect property from flood damage
Plan for Implementation	
Responsible Organization/Department:	City of Elmer City Clerk
Action/Project Priority:	High Priority
Timeline for Completion:	1-5 years
Potential Fund Sources:	FEMA
Local Planning Mechanisms to be Used in Implementation, if any:	Transportation Plan
Progress Report	
Action Status:	New
Report of Progress:	N/A

Action Worksheet	
Name of Jurisdiction:	City of Bevier
Risk / Vulnerability	
Hazard(s) Addressed:	Flooding
Problem being Mitigated:	Street and Stormwater drainage
Action or Project	
Applicable Goal Statement:	Goal 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.
Action/Project Number:	City of Bevier 2019.1
Name of Action or Project:	Stormwater drainage system upgrade
Mitigation Category:	Prevention, Structure and Infrastructure Projects, Emergency Services
Action or Project Description:	Review the storm water drainage system and upgrade as needed and funds become available to prevent flooding
Estimated Cost:	\$100,000
Benefits:	Drainage needs to be corrected to stop the current flooding of roads and structures in the area.
Plan for Implementation	
Responsible Organization/Department:	City of Bevier
Action/Project Priority:	High
Timeline for Completion:	1-2 years
Potential Fund Sources:	FEMA
Local Planning Mechanisms to be Used in Implementation, if any:	Local Emergency Plan Transportation Plan
Progress Report	
Action Status:	New
Report of Progress:	Has not been started

Action Worksheet	
Name of Jurisdiction:	City of Bevier
Risk / Vulnerability	
Hazard(s) Addressed:	Flooding
Problem being Mitigated:	Flooding from damaging property
Action or Project	
Applicable Goal Statement:	Goal 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.
Action/Project Number:	City of Bevier 2019.2
Name of Action or Project:	Bridge Replacement
Mitigation Category:	Prevention, Structure and Infrastructure Projects, Emergency Services
Action or Project Description:	Replace failing bridge to prevent flooding in a residential area.
Estimated Cost:	\$250,000
Benefits:	Ease of flooding in the area and provide a safe crossing for traffic
Plan for Implementation	
Responsible Organization/Department:	City of Bevier
Action/Project Priority:	High
Timeline for Completion:	1-2 years
Potential Fund Sources:	FEMA
Local Planning Mechanisms to be Used in Implementation, if any:	Local Emergency Plan Transportation Plan
Progress Report	
Action Status:	New
Report of Progress:	Has not been started

Action Worksheet	
Name of Jurisdiction:	Atlanta C-3 School District
Risk / Vulnerability	
Hazard(s) Addressed:	Tornado, Severe Thunderstorms, Extreme winter weather
Problem being Mitigated:	Protecting lives from natural hazards
Action or Project	
Applicable Goal Statement:	Goal 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.
Action/Project Number:	Atlanta C-3 School 2019.1
Name of Action or Project:	Community/School Emergency Shelter/Safe Room
Mitigation Category:	Prevention, Structure and Infrastructure Projects, Emergency Services
Action or Project Description:	A community safe room is capable of protecting a large number of people from destructive forces due to severe weather events. The Shelter would benefit should extreme weather hit
Estimated Cost:	\$5,000,000
Benefits:	Keep the Atlanta C-3 Schools safe and benefit the Atlanta Community that doesn't currently have shelter for individuals to see 24 hours a day.
Plan for Implementation	
Responsible Organization/Department:	Atlanta C-3 School Principal
Action/Project Priority:	High Priority
Timeline for Completion:	1-5 years
Potential Fund Sources:	FEMA
Local Planning Mechanisms to be Used in Implementation, if any:	Master Plan
Progress Report	
Action Status:	New
Report of Progress:	N/A

Action Worksheet	
Name of Jurisdiction:	Macon County
Risk / Vulnerability	
Hazard(s) Addressed:	Flooding, Severe Thunderstorms, Winter Weather
Problem being Mitigated:	Protecting lives from natural hazards
Action or Project	
Applicable Goal Statement:	Goal 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.
Action/Project Number:	Macon County 2019.1
Name of Action or Project:	Maintain Transportation Infrastructure
Mitigation Category:	Prevention, Structure and Infrastructure Projects, Emergency Services
Action or Project Description:	Project will make necessary improvements to roads, culverts, low water crossings, road elevations, bank stabilizations, bridges and the general transportation infrastructure throughout the county.
Estimated Cost:	\$1,200,000
Benefits:	The project protects citizens from harm due to damaged transportation infrastructures.
Plan for Implementation	
Responsible Organization/Department:	Macon County EMD
Action/Project Priority:	High Priority
Timeline for Completion:	1-5 years
Potential Fund Sources:	FEMA
Local Planning Mechanisms to be Used in Implementation, if any:	Road and Bridge Dept. Project List
Progress Report	
Action Status:	New
Report of Progress:	New Project

Action Worksheet	
Name of Jurisdiction:	Macon County
Risk / Vulnerability	
Hazard(s) Addressed:	All Hazards
Problem being Mitigated:	Early Warning Siren
Action or Project	
Applicable Goal Statement:	Goal 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.
Action/Project Number:	Macon County 2019.2
Name of Action or Project:	Update Warning Sirens
Mitigation Category:	Prevention, Structure and Infrastructure Projects, Emergency Services
Action or Project Description:	Update warning sirens and/or add additional warning sirens as needed for communities within Macon County; including rural areas without current systems.
Estimated Cost:	\$80,000
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:	Macon County EMD
Action/Project Priority:	High Priority
Timeline for Completion:	1-5 years
Potential Fund Sources:	FEMA
Local Planning Mechanisms to be Used in Implementation, if any:	County Emergency Operations Plan
Progress Report	
Action Status:	New
Report of Progress:	New Project

Action Worksheet	
Name of Jurisdiction:	City of Callao
Risk / Vulnerability	
Hazard(s) Addressed:	All Hazards
Problem being Mitigated:	Early Warning Siren
Action or Project	
Applicable Goal Statement:	Goal 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.
Action/Project Number:	Callao 2019.1
Name of Action or Project:	Update Warning Sirens
Mitigation Category:	Prevention, Structure and Infrastructure Projects, Emergency Services
Action or Project Description:	Installation of a warning siren.
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:	Macon County EMD
Action/Project Priority:	High Priority
Timeline for Completion:	1-5 years
Potential Fund Sources:	FEMA
Local Planning Mechanisms to be Used in Implementation, if any:	N/A
Progress Report	
Action Status:	New
Report of Progress:	New Project

Action Worksheet	
Name of Jurisdiction:	City of Callao
Risk / Vulnerability	
Hazard(s) Addressed:	Flooding
Problem being Mitigated:	Continue to participate in the NFIP
Action or Project	
Applicable Goal Statement:	Goal 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.
Action/Project Number:	Callao 2019.2
Name of Action or Project:	NFIP Participation
Mitigation Category:	Natural Systems Protection, Emergency Services, Education and Outreach, Structure and Infrastructure Projects, and Prevention
Action or Project Description:	Continue City of Callao's participation and good standing in National Flood Insurance Program
Estimated Cost:	N/A
Benefits:	Protection of life and reduction of damages due to accessibility to citizens in times of need
Plan for Implementation	
Responsible Organization/Department:	City Administrator
Action/Project Priority:	High Priority
Timeline for Completion:	1 year
Potential Fund Sources:	FEMA
Local Planning Mechanisms to be Used in Implementation, if any:	Floodplain Ordinance
Progress Report	
Action Status:	Continuing – In Progress
Report of Progress:	Ongoing

Action Worksheet	
Name of Jurisdiction:	La Plata Special Road District
Risk / Vulnerability	
Hazard(s) Addressed:	Flooding, Severe Thunderstorms, Winter Weather
Problem being Mitigated:	Protecting lives from natural hazards
Action or Project	
Applicable Goal Statement:	Goal 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.
Action/Project Number:	LSRD 2019.1
Name of Action or Project:	Maintain Transportation Infrastructure
Mitigation Category:	Prevention, Structure and Infrastructure Projects, Emergency Services
Action or Project Description:	Project will make necessary improvements to roads, culverts, low water crossings, road elevations, bank stabilizations, bridges and the general transportation infrastructure within LSRD's authorized boundaries.
Estimated Cost:	\$1,000,000
Benefits:	The project protects citizens from harm due to damaged transportation infrastructures.
Plan for Implementation	
Responsible Organization/Department:	LSRD Board
Action/Project Priority:	High Priority
Timeline for Completion:	1-5 years
Potential Fund Sources:	FEMA
Local Planning Mechanisms to be Used in Implementation, if any:	Submit Project List to County
Progress Report	
Action Status:	New
Report of Progress:	New Project

Table 4.3. Mitigation Action Matrix

#	Action	Jurisdiction	Priority	Goals Addressed	Hazards Addressed	Address Current Development	Address Future Development	Continued Compliance with NFIP
Prevention Public Education								
City of Macon 2019.1	Backup Generator for City Hall/ Municipal Utility Office	Macon	High	2	Extreme Temperature, Severe Thunderstorm, Severe Winter Weather, Tornado	✓		
City of Macon 2019.2	Study, Maintain, and Update Warning Siren System and Emergency Response Communication Infrastructure	Macon	High	1	Flooding, Wildfire, Extreme Temperature, Severe Thunderstorm, Severe Winter Weather, Thunderstorm	✓		
City of Macon 2019.3	Establish and/or construct a cooling/heating center/storm shelter	Macon	High	3	Flooding, Wildfire, Extreme Temperature, Severe Thunderstorm, Severe Winter Weather, Tornado	✓		
City of Macon 2019.4	Review storm water drainage, make improvements to and separate combined stormwater/sewer system including engineering and construction to improve upon the Combined Sewer Overflow Plan.	Macon	Medium	3	Flooding, Severe Thunderstorm, Severe Winter Weather	✓		
City of Macon 2019.6	Continue City of Macon’s participation and good standing in National Flood Insurance Program	Macon	High	1	Flooding		✓	✓
City of Callao 2019.2	Continue City of Callao’s participation and good standing in National Flood Insurance Program	Callao	High	1	Flooding		✓	✓

#	Action	Jurisdiction	Priority	Goals Addressed	Hazards Addressed	Address Current Development	Address Future Development	Continued Compliance with NFIP
City of Atlanta 2019.1	Atlanta's Storm Shelter	Atlanta	High	3	Severe Storms, Tornado	✓		
Macon R-I 2019.1	Building Storm Shelter	Macon R-I	High	3	Tornado, Severe Storms, Earthquake	✓		
Macon R-IV 2019.1	Two-Way Communication	Macon R-IV	High	3	Severe Winter Weather, Severe Thunderstorm, Tornado	✓		
Macon R-IV 2019.2	Build a Safe Room	Macon R-IV	High	3	Tornado, Severe Thunderstorms, Earthquake	✓		
City of Elmer 2019.1	Flood Control	Elmer	High	3	Severe Winter Weather, Severe Thunderstorm, Tornado	✓	✓	
City of Bevier 2019.1	Stormwater Drainage System Upgrade	Bevier	High	3	Flooding	✓		
City of Bevier 2019.2	Bridge Replacement	Bevier	High	3	Flooding	✓		
Atlanta C-3 2019.1	Community/School Emergency Shelter/Safe Room	Atlanta C-3	High	3	Tornado, Severe Thunderstorms, Extreme winter weather	✓		
Macon County 2019.1	Maintain Transportation Infrastructure	Macon County	High	3	Flooding, Severe Thunderstorms, Winter Weather	✓		
Macon County 2019.2	Update Warning Sirens	Macon County	High	3	All Hazards	✓		

#	Action	Jurisdiction	Priority	Goals Addressed	Hazards Addressed	Address Current Development	Address Future Development	Continued Compliance with NFIP
LSRD 2019.1	Maintain Transportation Infrastructure	LSRD	High	3	Flooding, Severe Thunderstorms, Severe Winter Weather	✓		
Structure and Infrastructure Projects								
City of Macon 2019.1	Backup Generator for City Hall/ Municipal Utility Office	Macon	High	2	Extreme Temperature, Severe Thunderstorm, Severe Winter Weather, Tornado	✓		
City of Macon 2019.2	Study, Maintain, and Update Warning Siren System and Emergency Response Communication Infrastructure	Macon	High	1	Flooding, Wildfire, Extreme Temperature, Severe Thunderstorm, Severe Winter Weather, Thunderstorm	✓		
City of Macon 2019.3	Establish and/or construct a cooling/heating center/storm shelter	Macon	High	3	Flooding, Wildfire, Extreme Temperature, Severe Thunderstorm, Severe Winter Weather, Tornado	✓		

#	Action	Jurisdiction	Priority	Goals Addressed	Hazards Addressed	Address Current Development	Address Future Development	Continued Compliance with NFIP
City of Macon 2019.4	Review storm water drainage, make improvements to and separate combined stormwater/sewer system including engineering and construction to improve upon the Combined Sewer Overflow Plan.	Macon	Medium	3	Flooding, Severe Thunderstorm, Severe Winter Weather	✓		
City of Macon 2019.5	Maintain Transportation Infrastructure	Macon	High	3	Flooding, Earthquake, Drought, Extreme Temperature, Severe Winter Weather	✓		
City of Macon 2019.6	Enforce floodplain management ordinances or regulate new construction in SFHA.	Macon	High	1	Flooding		✓	✓
City of Callao 2019.2	Regulate new construction in SFHA	Callao	High	1	Flooding		✓	✓
City of Atlanta 2019.1	Atlanta's Storm Shelter	Atlanta	High	3	Severe Storms, Tornado	✓		
Macon R-I 2019.1	Building Storm Shelter	Macon R-I	High	3	Tornado, Severe Storms, Earthquake	✓		
Macon R-IV 2019.1	Two-Way Communication	Macon R-IV	High	3	Severe Winter Weather, Severe Thunderstorm, Tornado	✓		
Macon R-IV 2019.2	Build a Safe Room	Macon R-IV	High	3	Tornado, Severe Thunderstorms, Earthquake	✓		
City of Elmer 2019.1	Flood Control	Elmer	High	3	Severe Winter Weather, Severe Thunderstorm, Tornado	✓	✓	
City of Bevier 2019.1	Stormwater Drainage System Upgrade	Bevier	High	3	Flooding	✓		
City of Bevier 2019.2	Bridge Replacement	Bevier	High	3	Flooding	✓		

#	Action	Jurisdiction	Priority	Goals Addressed	Hazards Addressed	Address Current Development	Address Future Development	Continued Compliance with NFIP
Atlanta C-3 2019.1	Community/School Emergency Shelter/Safe Room	Atlanta C-3	High	3	Tornado, Severe Thunderstorms, Extreme winter weather	✓		
Macon County 2019.1	Maintain Transportation Infrastructure	Macon County	High	3	Flooding, Severe Thunderstorms, Winter Weather	✓		
Macon County 2019.2	Update Warning Sirens	Macon County	High	3	All Hazards	✓		
LSRD 2019.1	Maintain Transportation Infrastructure	LSRD	High	3	Flooding, Severe Thunderstorms, Severe Winter Weather	✓		
Natural Systems Protection								
City of Macon 2019.2	Study, Maintain, and Update Warning Siren System and Emergency Response Communication Infrastructure	Macon	High	1	Flooding, Wildfire, Extreme Temperature, Severe Thunderstorm, Severe Winter Weather, Thunderstorm	✓		
City of Macon 2019.4	Review storm water drainage, make improvements to and separate combined stormwater/sewer system including engineering and construction to improve upon the Combined Sewer Overflow Plan.	Macon	Medium	3	Flooding, Severe Thunderstorm, Severe Winter Weather	✓		
City of Macon 2019.6	Enforce floodplain management ordinances or regulate new construction in SFHA.	Macon	High	1	Flooding		✓	✓
City of Callao 2019.2	Regulate new construction in SFHA	Callao	High	1	Flooding		✓	✓
Emergency Services								

#	Action	Jurisdiction	Priority	Goals Addressed	Hazards Addressed	Address Current Development	Address Future Development	Continued Compliance with NFIP
City of Macon 2019.1	Backup Generator for City Hall/ Municipal Utility Office	Macon	High	2	Extreme Temperature, Severe Thunderstorm, Severe Winter Weather, Tornado	✓		
City of Macon 2019.2	Study, Maintain, and Update Warning Siren System and Emergency Response Communication Infrastructure	Macon	High	1	Flooding, Wildfire, Extreme Temperature, Severe Thunderstorm, Severe Winter Weather, Thunderstorm	✓		
City of Macon 2019.3	Establish and/or construct a cooling/heating center/storm shelter	Macon	High	3	Flooding, Wildfire, Extreme Temperature, Severe Thunderstorm, Severe Winter Weather, Tornado	✓		
City of Macon 2019.5	Maintain Transportation Infrastructure	Macon	High	3	Flooding, Earthquake, Drought, Extreme Temperature, Severe Winter Weather	✓		
City of Macon 2019.6	Enforce floodplain management ordinances or regulate new construction in SFHA.	Macon	High	1	Flooding		✓	✓
City of Callao 2019.2	Regulate new construction in SFHA	Callao	High	1	Flooding		✓	✓
City of Atlanta 2019.1	Atlanta's Storm Shelter	Atlanta	High	3	Severe Storms, Tornado	✓		

#	Action	Jurisdiction	Priority	Goals Addressed	Hazards Addressed	Address Current Development	Address Future Development	Continued Compliance with NFIP
Macon R-I 2019.1	Building Storm Shelter	Macon R-I	High	3	Tornado, Severe Storms, Earthquake	✓		
Macon R-IV 2019.1	Two-Way Communication	Macon R-IV	High	3	Severe Winter Weather, Severe Thunderstorm, Tornado	✓		
City of Elmer 2019.1	Flood Control	Elmer	High	3	Severe Winter Weather, Severe Thunderstorm, Tornado	✓	✓	
City of Bevier 2019.1	Stormwater Drainage System Upgrade	Bevier	High	3	Flooding	✓		
City of Bevier 2019.2	Bridge Replacement	Bevier	High	3	Flooding	✓		
Atlanta C-3 2019.1	Community/School Emergency Shelter/Safe Room	Atlanta C-3	High	3	Tornado, Severe Thunderstorms, Extreme winter weather	✓		
Macon County 2019.1	Maintain Transportation Infrastructure	Macon County	High	3	Flooding, Severe Thunderstorms, Winter Weather	✓		
Macon County 2019.2	Update Warning Sirens	Macon County	High	3	All Hazards	✓		
LSRD 2019.1	Maintain Transportation Infrastructure	LSRD	High	3	Flooding, Severe Thunderstorms, Severe Winter Weather	✓		
Education and Outreach								

#	Action	Jurisdiction	Priority	Goals Addressed	Hazards Addressed	Address Current Development	Address Future Development	Continued Compliance with NFIP
City of Macon 2019.2	Study, Maintain, and Update Warning Siren System and Emergency Response Communication Infrastructure	Macon	High	1	Flooding, Wildfire, Extreme Temperature, Severe Thunderstorm, Severe Winter Weather, Thunderstorm	✓		
City of La Plata 2019.1	Educational Brochures	La Plata	Low	1	Flooding, Extreme Temperature, Severe Thunderstorm, Severe Winter Weather, Tornado	✓	✓	

