

## Section 7 Implementation, Adoption, and Revision

---

Over the past five years Autauga County, the municipalities and the various quasi-governmental agencies have been involved in training, program development, up-grading of equipment, purchasing new vehicles and equipment, property buy-out program (Prattville), assisting citizens with development of safe-rooms (40), installation of weather warning sirens (14), coordinating with neighboring counties, mobile command post, weather-radio assistance to low income communities, writing of mitigation grants, up-dating of educational pamphlets, and coordination of emergency operations within the county. All of these were objectives and strategies within the existing Autauga County Hazard Mitigation Plan

The 2004 Plan calls for the Hazard Mitigation Committee to meet annually to discuss the progress of action items and maintain the continuity of the committee to sustain the plan. Due to Hurricanes Ivan, Dennis, and Katrina, and the loss of two County EMA Directors and a shift in staff, the annual meetings did not occur.

**Table 7.1 Summary of Plan Updates (Section 7)**

Section		Modifications
7.1	Implementation Strategy	<ul style="list-style-type: none"> <li>• Restructured, updated, and redefined the processes in establishing priorities in implementing mitigation goals, objectives and actions</li> </ul>
7.2	Implementation Plan	<ul style="list-style-type: none"> <li>• Restructured, updated and expanded the matrix of the mitigation goals, objectives and actions by priority, timeframe and/or responsibility.</li> </ul>
7.3	Maintenance	<ul style="list-style-type: none"> <li>• Restructuring the governance of the plan               <ul style="list-style-type: none"> <li>○ Monitoring</li> <li>○ Evaluating</li> <li>○ Updating</li> </ul> </li> </ul>
7.4	Plan Consistency	<ul style="list-style-type: none"> <li>• Establishing methodology to insure local governmental policies and ordinances, and the plan are on agreement with each other.</li> </ul>
7.5	Local Community Adoption	<ul style="list-style-type: none"> <li>• Re-establishing the adoption policy of the plan and future updates</li> </ul>

## 7.1 Implementation Strategy

After finalizing the list of alternative mitigation actions, the Hazard Mitigation Planning Committee prioritized the actions. The STAPLE+E Criteria (Table 6.1) was used to help rank each action. Each committee member ranked the actions with a 1 – Low Priority (L), 2 – Medium Priority (M), or 3 – High Priority (H). Those actions with a cumulative score of 7.0 – 9.0 were classified as Low Priority; those actions with a cumulative score of 10.0 – 12.0 were classified as Medium Priority; and those actions with a cumulative score of 13.0 – 15.0 were classified as High Priority. After the scores were tallied, the ranking was reviewed once again as a group with the STAPLE+E Criteria to ensure that all actions were ranked appropriately. Table 7.1 shows the classification system used for prioritization of the alternative actions.

Cost benefit analysis (CBA) or economic analysis was used in assisting in determining the cumulative score to set the priority of the mitigation action. This was accomplished first by estimating the amount of funds required to accomplish a mitigate action and than divide by the estimated number of individuals that will be benefited by the action. This process is a method to brake down all factors into number that can be measured or weighted against other actions. A hallmark of CBA is that all benefits and all costs are expressed in money terms, and are adjusted for the time value of money, so that all flows of benefits and flows of project costs over time (which tend to occur at different points in time) are expressed on a common basis in terms of their “present value.”

**Table 7.1**  
**Alternative Mitigation Actions**  
**Prioritization Categories**

<b>Cumulative Score</b>	<b>Priority</b>
7.0 – 9.0	Low Priority (L)
10.0 – 12.0	Medium Priority (M)
13.0 – 15.0	High Priority (H)

Possible funding sources for the alternative hazard mitigation projects are listed in Table 7.2.

**Table 7.2  
Potential Funding Sources for Hazard  
Mitigation Alternative Actions**

<b>Local Funding</b>	<b>State and Federal Funding</b>
County Funds	Flood insurance
Municipal Funds	Community Development Block Grant (CDBG)
Private Donations	Hazard Mitigation Grant Program (HMGP)
	Flood Mitigation Assistance Program (FMA)
	Pre-Disaster Mitigation Program (PDM)
	Transportation Improvement Program (TIP) or (STIP)

## 7.2 Implementation Plan

The implementation plan for the Hazard Mitigation Plan is in Table 7.3. This table lists the priority of each mitigation action, the lead agency responsible for implementing the action, and a time frame for the completion of the action.

Acronyms:

ARC – American Red Cross

CARPDC – Central Alabama Regional Planning and Development Commission

EMA – Emergency Management Agency

HMC – Hazard Mitigation Committee

**Table 7.3  
Implementation Plan**

	<b>Action</b>	<b>Score</b>	<b>Priority</b>	<b>Authority</b>	<b>Time Frame</b>
	<b>Goal 1: Increase public education and awareness of existing and potential hazards in Autauga County</b>				
1.1	<i>Develop public education and outreach programs on hazards and hazard mitigation</i>				
1.1.1	Disseminate informational pamphlets for County residents that explain the risks of hazards, outline precautionary measures that can be taken to help reduce the impacts of a disaster to themselves and their property, and emphasize the value of hazard mitigation.	8	L	Municipalities, EMA, ARC	Continuous
1.1.2	Develop an informational website with information on the hazards that can affect the County, how residents can protect themselves from a disaster, and mitigation actions the County and municipalities are taking to help reduce the risks.	9	L	EMA, CARPDC, HMC	Continuous
1.1.3	Cooperate with local media to produce regular public service announcements or news releases on hazard risk, safety, and the importance of mitigation.	14	H	EMA, HMC	Continuous
1.1.4	Utilize existing programs for school education programs on hazards, hazard safety, and mitigation.	12	M	ARC, EMC, HMC	Continuous
1.2	<i>Educate property owners in hazard risk areas of their risks and the precautions they can take</i>				

	<b>Action</b>	<b>Score</b>	<b>Priority</b>	<b>Authority</b>	<b>Time Frame</b>
1.2.1	Disseminate informational pamphlets or mailings on hazard mitigation for property owners in the 100 year floodplain or owners of repetitive loss structures.	8	L	EMA, CARPDC	Continuous
1.2.2	Develop informational workshops on hazard risks and hazard mitigation for property owners in high risk areas.	7	L	EMA, CARPDC	Continuous
1.2.3	Investigate avenues for real estate disclosure for properties in 100 year floodplain.	8	L	EMA, CARPDC	Within 3 years
<b>1.3</b>	<b><i>Form a permanent Hazard Mitigation Committee</i></b>				
1.3.1	Form a permanent Hazard Mitigation Committee (HMC) of representatives from various organizations and departments that would meet regularly to help organize various hazard mitigation actions in the County.	14	H	EMA, CARPDC	Immediate and continuous
	<b>Goal 2: Protect the citizens of Autauga County as well as public and private property from the impacts of natural hazards</b>				
<b>2.1</b>	<b><i>Protect existing structures from damage caused by hazards</i></b>				
2.1.1	Investigate a county fund to facilitate voluntarily acquiring, elevating, or retrofitting structures in hazard prone areas.	8	L	EMA, CARPDC	Within 3-5 years
<b>2.2</b>	<b><i>Promote management and regulatory procedures that would reduce the impacts of hazards on public and private property</i></b>				
2.2.1	Enforce forest and vegetation management policies	11	M	CARPDC, EMA Municipalities County	Continuous
2.2.2	Enforce urban forestry and landscape management policies.	11	M	CARPDC, EMA Municipalities County	Continuous
2.2.3	Develop and implement a Vegetative/Tree Risk Management Plan	11	H	CARPDC, EMA Municipalities County	Within 3-5 years Continuous
2.2.4	Enforce developmental best management practices.	11	M	CARPDC, EMA Municipalities County	Continuous
2.2.5	Enforce sediment and erosion control regulations.	11	M	CARPDC, EMA Municipalities County	Continuous
2.2.6.	Enforce stream dumping regulations	11	M	CARPDC, EMA Municipalities County	Continuous
2.2.7	Enforce wetlands development regulations	11	M	CARPDC, EMA Municipalities County	Continuous
<b>2.3</b>	<b><i>Develop local structural projects to reduce the impacts of natural hazards on public and private property</i></b>				
2.3.1	Construct barriers around structures in flood-prone areas.	8	L	Municipalities County	Within 10 years/Post-disaster
2.3.2	Construct dams, levees or reservoirs to reduce flooding and erosion.	7	L	Municipalities County	Within 10 years/Post-disaster
2.3.3	Construct levees or floodwalls to protect communities with repetitive flooding problems.	11	L	Municipalities County	Within 10 years/Post-disaster
2.3.4	Purchase floodway or repetitive loss structures to eliminate potential for flood damage	14	H	Prattville, County, EMA, CARPDC	Immediate and continuous

	<b>Action</b>	<b>Score</b>	<b>Priority</b>	<b>Authority</b>	<b>Time Frame</b>
2.4	<i>Maintain streams and culverts to reduce back-up and flooding</i>				
2.4.1	Regularly inspect and maintain bridges and culverts.	11	M	Municipalities County	Continuous
2.4.2	Develop a stream corridor restoration plan.	12	M	Municipalities County	Within 5-10 years
2.4.3	Develop program for debris removal and vegetation management along selected streams.	11	M	Municipalities County	Continuous
2.5	<i>Protect critical facilities from the impacts of natural hazards</i>				
2.5.1	Create and maintain a database and map of all critical facilities in the County.	15	H	EMA, CARPDC, Municipalities	Within 1-3 Years, Continuous
2.5.2	Inspect critical facilities regularly to ensure they comply with standard codes and can withstand the impacts of a disaster	12	M	EMA, Municipalities County	Immediately, continuous
2.5.3	Relocate critical facilities out of the 100 year floodplain	11	M	Municipalities County	Within 10 years/Post-disaster
2.5.4	Ensure that all critical facilities have updated emergency response plans	13	H	EMA	Within 3-5 years, continuous
2.5.5	Encourage, promote and fund all critical facilities to be equipped or retrofitted for back-up energy sources (i.e. generators)	13	H	EMA, municipalities, county	Within 3-5 years, continuous
2.6	<i>Promote the development of shelters within the county</i>				
2.6.1	Assist municipalities and the county in development of community shelters.	13	H	EMA, municipalities, county	Within 3-5 years, continuous
2.6.2	Assist and encourage private citizens and companies in developing safe rooms.	13	H	EMA, municipalities, county	Within 3-5 years, continuous
2.6.3	Encourage public and private schools to re-evaluate structures and re-enforce as required.	13	H	EMA, municipalities, county	Within 3-5 years, continuous
2.7	<i>Promote the development of early warning systems within the county</i>				
2.7.1	Develop and maintain an early warning system of weather sirens within the county	13	H	EMA, municipalities, county	Within 3-5 years, continuous
2.7.2	Encourage and promote citizen obtaining weather radios.	13	H	EMA, municipalities, county	Within 3-5 years, continuous
	<b>Goal 3: Prevent the future risk of injury/death and damage from natural hazards in Autauga County</b>				
3.1	<i>Develop regulations limiting development in hazard prone areas</i>				
3.1.1	Enforce floodplain development regulations and continued compliance with the National Flood Insurance Program (NFIP)	13	H	Municipalities County	Within 1-3 years, continuous
3.1.2	Offer technical assistance to municipalities to develop, address, or enforce floodplain zoning, hillside development regulations, subdivision and development regulations, design review standards, and environmental review standards.	12	M	CARPDC	Continuous
3.1.3	Develop stormwater management plans and regulations for those watersheds in the County that do not currently have a plan	13	H	CARPDC, municipalities	Within 5-10 years
3.2	<i>Protect natural resources and open space from natural hazards</i>				

	<b>Action</b>	<b>Score</b>	<b>Priority</b>	<b>Authority</b>	<b>Time Frame</b>
3.2.1	Acquire easements or create development buffers in hazard prone areas, specifically 100 year floodplains	7	L	Municipalities	Post-disaster
3.2.2	Promote open space preservation	11	M	CARPDC, EMA, municipalities	Continuous
3.2.3	Require special use permits for hazard prone areas	9	L	County, municipalities	Continuous
3.2.4	Promote natural resource planning	11	M	CARPDC, municipalities, county	Continuous
<b>3.3</b>	<b><i>Direct new growth away from hazard prone areas</i></b>				
3.3.1	Review, evaluate, and discuss designated growth areas in existing county and local plans to ensure development will occur out of hazard prone areas	13	H	CARPDC, municipalities, county	Continuous
3.3.2	Review planned infrastructure to ensure that it will be developed outside of hazard prone areas	13	H	CARPDC, municipalities, county	Continuous
<b>3.4</b>	<b><i>Ensure that property owners in the 100 year floodplain purchase flood insurance</i></b>				
3.4.1	Encourage and assist communities to participate in the National Flood Insurance Program (NFIP) Community Rating System (CRS).	12	M	EMA, CARPDC	Within 5 years, continuous
<b>3.5</b>	<b><i>Ensure that residents receive relief and are evacuated as quickly as possible in the event of a disaster</i></b>				
3.5.1	Develop evacuation routes and an evacuation plan to be used in the event of a disaster	15	H	EMA, Municipalities	Within 1-3 years, continuous
3.5.2	Create early warning system, including stream gauges, to warning of impending flash flooding.	13	H	EMA, CARPDC, municipalities, county	Continuous
	<b>Goal 4: Encourage proper information management of data related to natural hazards in Autauga County</b>				
<b>4.1</b>	<b><i>Develop data management policies to ensure adequate data management</i></b>				
4.1.1	Encourage departments responsible for creating and storing data related to parcels, centerlines, buildings, addresses, hydrology, and hazards to develop and enforce data maintenance policies	11	M	EMA, CARPDC Tax Assessment, municipalities	Within 3-5 years, continuous
4.1.2	Encourage the development of data sharing policies and agreements between departments and organizations responsible for data creation, management, and use	11	M	EMA, CARPDC Tax Assessment, municipalities	Within 3-5 years, continuous
<b>4.2</b>	<b><i>Develop and update detailed databases related to hazards and hazard mitigation</i></b>				
4.2.1	Develop and maintain hazard occurrence databases to record information on hazards such as date and time of occurrence, duration of disaster, amount of damage, number of injuries, etc	11	M	EMA	Within 3-5 years, continuous
4.2.2	Develop detailed databases on parcels and buildings in and out of the 100 year floodplain. The data could include first floor elevations, number of stories, basements, value of structure, acreage of parcel in floodplain, etc	9	L	EMA, CARPDC Tax Assessment, municipalities	Within 1-3 years, continuous
4.2.3	Work with FEMA to update current NFIP floodplain maps and determine base flood elevations for the County	9	L	EMA, CARPDC	Within 1-3 years
	<b>Goal 5: Improve emergency services and capabilities in Autauga County to protect citizens from natural hazards</b>				
<b>5.1</b>	<b><i>Improve coordination and communication between departments</i></b>				

	<b>Action</b>	<b>Score</b>	<b>Priority</b>	<b>Authority</b>	<b>Time Frame</b>
5.1.1	Develop and distribute a list of contact persons for each organization that may play a part in emergency response, services, relief, or hazard mitigation	13	H	EMA	Immediate, continuous
5.1.2	Encourage the heads of each department or organization involved in emergency response, services, relief, or hazard mitigation to meet several times a year to discuss hazard mitigation	13	H	EMA	Continuous
5.1.3	Develop a clear chain of command that would be used in the event of a disaster	14	H	EMA	Continuous
5.1.4	Update emergency management communication Systems.	14	H	EMA	Within 5 years
5.2	<i>Ensure adequate training and resources for those involved in emergency response, services, relief, or hazard mitigation</i>				
5.2.1	Develop informational workshops or programs on hazard mitigation and available funding for organizations, departments, elected officials, volunteers	11	M	EMA, CARPDC	Continuous
5.2.2	Disseminate informational brochures for organizations involved in emergency response, services, relief, or hazard mitigation	7	L	EMA	Continuous
5.3	<i>Ensure adequacies of equipment and technology</i>				
5.3.1	Inventory all available equipment and technology used for emergency response, services, and relief to determine deficiencies	12	M	EMA	Immediate, continuous

## 7.3 Maintenance

### Monitoring

The Hazard Mitigation Plan will be monitored once a year by the Hazard Mitigation Committee (HMC). The HMC will meet once a year to monitor the implementation process. The HMC will contact the leading agencies for each alternative mitigation action to determine the progress of successful completion of the actions. The HMC will develop forms to evaluate and monitor the progress of the plan.

The HMC shall keep a detailed inventory and report of:

1. the mitigation actions that have been completed
2. the leading and supportive agencies responsible for completing each action
3. the date and time frame of completion of each action
4. obstacles encountered
5. mitigation success stories
6. projects currently in progress

### Evaluating

The HMC will meet once a year to review the Hazard Mitigation Plan. A public notice will be posted on the date and location of the meeting for public

involvement and comment. The HMC will review the hazard mitigation goals to ensure that they continue to comply with the County and municipal goals. The goals will also be reviewed to determine if any changes are necessary. The HMC will determine if any significant events have occurred in the County to warrant any considerable changes in the Hazard Mitigation Plan. The plan will be available on the Autauga EMA website, once established for public hearing.

In the event of a disaster, in the event of a significant change in County goals or regulations, or when deemed necessary by its members, the HMC may meet more frequently than once a year. The results of the annual plan evaluation will be posted on the County's website, which will allow the local community a chance for comment.

## **Updating**

As indicated in the DMA 2000, the Hazard Mitigation Plan will be updated every five years. The Hazard Mitigation Committee (HMC) in conjunction with the Autauga County Emergency Management Agency will be responsible for updating the plan. In the event of a disaster, the plan will be reviewed and updated as needed following the disaster, regardless of the five year interval. Any future revisions of the plan will be posted on the County's website. In addition, a public meeting and workshops will be held to review and comment on all proposed plan amendments.

## **7.4 Plan Consistency**

In an effort to have continuity with the plans and working documents, ordinances and regulations within the county, the individual governments have agreed to work together and individually to ensure that their plans, ordinances and regulations address the natural hazards and recommendations found in this plan.

As indicated, the City of Prattville and Town of Autaugaville are both updating and developing their comprehensive plans, respectively. As a part of this process, the recommendations and objectives of the hazard mitigation plan will be incorporated into their comprehensive plans as goals and objectives. In addition, when the municipalities and Autauga County are creating, modifying or reviewing their ordinances, regulations, guidelines and standards, they have committed to incorporate into these documents mitigation actions as required.

## **7.5 Local Community Adoption**

After the draft version of the Plan was completed the Plan was placed on a 30-day public review process. At the end of 30 days, the comments were reviewed and a final version of the plan was developed. The Plan was adopted by the County and participating municipalities. Copies of these resolutions as well as a listing of all municipalities that have signed resolutions can be found attached to the plan.

DRAFT