

**CITY OF COLUMBIANA
INDIVIDUAL MITIGATION
ACTION PLAN**



**SHELBY COUNTY
ALABAMA
MULTI-JURISDICTIONAL
MULTI HAZARD
MITIGATION PLAN
2016**

TABLE OF CONTENTS

CITY OF COLUMBIANA MITIGATION ACTION PLAN 1

 Geography/History..... 1

 Special Characteristics 2

 Population and Demographics 2

 Economy 2

 Infrastructure..... 3

 Capabilities 4

 Mitigation Goals and Objectives 6

 Multi-Jurisdictional Mitigation Actions 7

 Mitigation Actions Prioritizing..... 8

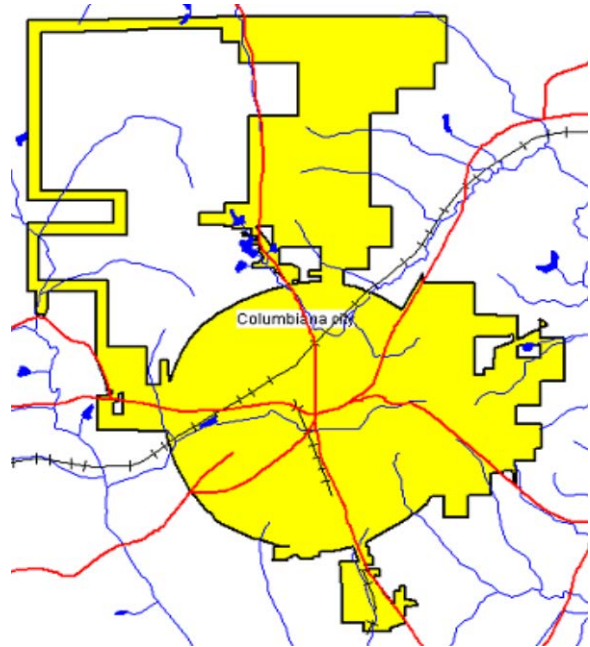
 Mitigation Actions 9



CITY OF COLUMBIANA MITIGATION ACTION PLAN

Geography/History

The early history of Columbiana (Columbia, as it was originally called) preceded the organization of the county of Shelby, and the admission of Alabama as a State into the Union in 1819. Before any settlements were made at the place where Columbiana is located, several communities, having a considerable population, had been formed in different parts of the county with the vicinity of Montevallo being the most numerous. There were populous communities located in and around Harpersville. A large number had also settled in the neighborhood of Wilsonville. The first settlers at Columbiana came principally from the vicinity of Harpersville and Wilsonville in 1821, deriving title from the government. In 1824, the first mercantile business was started in Columbiana.



In 1826 the county courthouse was moved to an old school building in Columbia, located in the central part of Shelby County. The State Legislature changed its name to Columbiana on January 13, 1832, and the county seat was then permanently located at Columbiana. Incorporated in 1837, with corporate limits one-quarter mile in each direction from the public square.

The year 1837 was signalized by the departure of a large portion of the Indians, who were hostile to the whites. They were principally the Muscogees and Seminoles who had occupied portions of Talladega and Calhoun counties, and were occupying in large numbers the lands along the Tallapoosa River. They were always ready for an affray with the whites and their Indian allies. It was principally against these tribes that Gen'l Jackson came in 1813 with a large force to Talladega and Tallapoosa counties to protect the whites in those counties.

Prior to the Civil War, an iron foundry was located in Columbiana. Shelby Iron Works of Columbiana operated throughout the Civil War and antebellum period. Manufacturing at Shelby Iron Works was instrumental to Confederate States efforts during the Civil War. The company may well have been the largest Alabama supplier of Confederate iron during the war. The vast majority of the company output went to the Naval Department, although, iron for side arms and rifles was also supplied by the iron works

In 1850 a stage-line, connecting Columbiana with Montevallo, and other places was established. After the stage-line was superseded by the railroad in 1855, the old coach was still used for a long time as a hack to carry passengers from the depot to the tavern.



City of Columbiana All Hazards Mitigation Action Plan

In 1854, the decision was made to build another county courthouse, which is today referred to as the "old courthouse." Construction began on the current stone courthouse in 1905. The cornerstone ceremony was held April 5, 1906. An addition was completed in 1954. It received a multi-million dollar renovation in the early 1990's. On March 4, 2006 the contents were removed from the cornerstone and placed on display at the Shelby County Museum & Archives.

Source "concise history of Columbiana" Joseph L. Peters

Special Characteristics

The Shelby County Historical Society Museum and archives is housed in the 1854 Shelby County Courthouse.

The Karl C. Harrison/ Smith Harrison Museum of George Washington (Largest collection of George and Martha Washington Memorabilia outside of Mount Vernon) is located in the Mildred B. Harrison Regional Library.

Park facilities include a Park near Elvin Hill Elementary School and the Columbiana Sports Complex on McDow Road. The City Park features a pavilion, picnic tables, playground and swing-sets. Adjacent are Lewis and Bolton Girls Softball Fields. The sports complex features batting cages, a playground, four baseball fields, a football field and a walking track.

In 1986 a group of patriotic citizens organized to sponsor Columbiana's first Liberty Day to honor and to celebrate the 100th anniversary of the Statue of Liberty. In response to their efforts, the first Liberty Day was held on Main Street in the summer of 1986 and featured patriotic music, local dance groups, and fireworks. Liberty Day is held each year on the last Saturday of June in downtown Columbiana, Alabama

Population and Demographics

As of the census of 2010, there were 4,197 people, 1,303 households, and 874 families residing in the city. The population density was 276.11 people per square mile. There were 1303 housing units at an average density of 86.29/sq mi. The racial makeup of the city was 71.3% White, 25.1% Black or African American, 0.3% Native American, 0.2% Asian, 0.1% Pacific Islander, 1.6% from other races, and 1.3% from two or more races. 3% of the population was Hispanic or Latino of any race.

There were 4,197 households out of which 28.4% had children under the age of 18 living with them, 47.5% were married couples living together, 14.7% had a female householder with no husband present, and 32.9% were non-families. 29.7% of all households were made up of individuals and 15.6% had someone living alone who was 65 years of age or older. The average household size was 2.52 and the average family size was 3.15.

In the city the population was spread out with 19.7% under the age of 18, 6.4% from 15 to 19, 39.4% from 20 to 44, 24.3% from 45 to 64, and 14.2% who were 65 years of age or older. The median age was 35.3 years. For every 45.2 females there were 54.8 males. For every 41.3 females age 18 and over, there were 44.8 males.

Economy

The median income for a household in the city was \$31,108, and the median income for a family was \$56,411. Males had a median income of \$43,304 versus \$34,583 for females. The per capita



**City of Columbiana
All Hazards Mitigation Action Plan**

income for the city was \$21,003. About 11% of families and 16.2% of the population were below the poverty line, including 29.1% of those under age 18 and 9.2% of those ages 65 or over. The highest rate of occupations for males were: Architecture and engineering occupations (100%), Protective Service Occupations (100%), Law Enforcement (100%), Construction and Extraction Occupations (100%), Production Occupations (100%), Material Moving Occupations (100%), Building and grounds cleaning and maintenance occupations (84.6%), and Installation, maintenance, and repair occupations (76.1%)

The highest rate of occupations for females were: Computer and Mathematical Operations (100%), Health diagnosing and treating practitioners and other technical occupations (100%), Personal care and service occupations (100%), Office and Administrative Support (88.9%), Education, training, and library occupations (85.9%), and Business and financial operations occupations (81.8%)

Single-family new house construction building permits include:

- 2007: 5 buildings, average cost: \$138,600
- 2008: 4 buildings were constructed, average cost \$184,250
- 2009: 0 buildings were constructed
- 2010: 3 buildings, average cost: \$239,333
- 2011: 3 buildings, average cost: \$239,333
- 2012: 0 buildings
- 2013: 3 buildings, average cost: \$136,333
- 2014: 4 buildings, average cost: \$226,500

Commerce is also abundant featuring the Elastic Corporation of America, Citation Foam Casting, Central Alabama Fabricators, upscale retail and antique shops, fine dining and lots more. Having easy access to Interstate I-65, Highway 280 and Lay Lake is a real plus in this charming bedroom community.

Infrastructure

Columbiana, as county seat, is home to many County Government offices and Organizations such as the Shelby County Board of Education, The Shelby County Sheriffs Department and the Adult Jail and the Harrison Regional Library, the main office of the Shelby County Libraries. Columbiana has 12 full-time Law Enforcement Employees (8 officers) and their own 911 system. The fire department has 30 firefighters of which 2 are also EMT's.

School	Type	Enrollment
Elvin Hill Elementary School	K - 5	518
Columbiana Middle School	6 - 8	425
Shelby County High School	9 - 12	626
Cornerstone Christian School	K - 12	253



**City of Columbiana
All Hazards Mitigation Action Plan**

Capabilities

The Legal and Regulatory Capability survey documents authorities available to the jurisdiction and/or enabling legislation at the state level affecting planning and land management tools that support local hazard mitigation planning efforts. The identified planning and land management tools are typically used by states and local and tribal jurisdictions to implement hazard mitigation activities. If the jurisdiction does not have this capability or authority, does another entity/jurisdiction have this authority at a higher level of government (county, parish, or regional political entity), or does the state prohibit the local jurisdictions from having this authority?

City of Columbiana Legal And Regulatory Capability							
Regulatory Tools/Plans	Regulatory Type: Ordinance Resolution Codes Plans Etc.	Year Adopted or Updated	Authority	Prohibited	Authority	copy Available	
Building Codes	Southern Building Codes	1999	Y	N	Y	Y	
Capital Improvements Plan	Annual Budget	2009	Y	N	N	N	
Comprehensive Plan	Resolution	2003	Y	N	N	Y	
Continuity of Operations Plan				N	N	N	
Community Rating System				N	Y	N	
Economic Development Plan	Comprehensive Plan Resolution	2003	Y	N	N	Y	
EMAP Certified				N	Y	N	
Emergency Response Plan	County Emergency Operations Plan	2004	N	N	Y	Y	
Flood Management, Plan	Resolution	2005	Y	N	Y	Y	
Growth Control Ordinance				N	N	N	
Hazard Setback Regulations				N	N	N	
Hillside Ordinance				N	N	N	
Historic Ordinance				N	N	N	
NFIP Participant	Resolution	2005	Y	N	Y	Y	
Post-disaster Ordinance				N	N	N	
Post-disaster Recovery Plan	County Emergency Operations Plan	2004	N	N	Y	Y	
Real Estate Disclosure	AL Real Estate Commission	1960	N	N	Y	N	
Site Plan Requirements	Zoning Ordinance	1958		N	N	Y	
Subdivision Regulations	Zoning Ordinance	1980		N	N	Y	
Wildfire Ordinance	Ordinanc3	2000	Y	N	N	N	
Zoning Ordinances	Ordinance	1958	Y	N	N	N	

The Administrative and Technical Capacity survey documents personnel employed by your jurisdiction and the public and private sector resources that may be accessed to mitigate hazards in the community. For smaller jurisdictions with limited capacities, no local staff resources may be available for many of the categories. If so identify public resources at the next higher level of government that may be able to provide technical assistance to the community.

For some hazard mitigation actions, consider federal agencies that provide technical assistance, such as the U.S. Department of Agriculture (USDA) Cooperative Extension Service, which has offices in most counties. The planning team in rural communities must be creative in identifying



**City of Columbiana
All Hazards Mitigation Action Plan**

outside resources to augment limited local capabilities. This information will be used when evaluating alternative mitigation actions and when preparing your mitigation.

City of Columbiana Administrative And Technical Capabilities					
C=County Provides, S=State Provides, F=Federal Provides					
Position	Staff/Personnel Resources	Department/Agency	Number Fully Trained	Number Fully Equipped	Total Personnel
Agriculture Resource	Agent	County Extension Svc.	S1	S1	S1
Building Inspector	Professional	Zoning and Inspections	C1	C1	C1
Emergency Manager	Certified Professional	Emergency Management	C1	C1	C1
Emergency Staff	Professional(s)	Emergency Management	C5	C5	C5
Emergency Medical Personnel	Professional(s)	Fire/Rescue	25	25	25
Fire Personnel	Professional(s)	Fire Dept.	30	30	30
Floodplain Manager	Engineer(s)	Engineering/Public Works	C1	C1	C1
GIS Specialist	Professional(s)	Property Assessor/IT	C1	C1	C1
Government Elected	Elected Officials	Mayor/Commission	6	6	6
Government Administration	Employees	Jurisdiction	83	83	83
Grant writer	Professional(s)	Emergency Management	0	0	0
Hazards Analysis Mgr.	Professional(s)	Emergency Management	C1	C1	C1
Hazmat Team	Professional(s)	Fire/Sheriff Dept	C6	C6	C6
Information Systems	Certified Professional	IT department	3	3	3
Land Use/Management	Engineer(s)/Planners	State/Local Planning	C1	C1	C1
Law Enforcement	Sheriff, Police, Trooper	Sheriff/Police Department	10	10	10
Medical Practioners	Professional(s)	Medical Facilities	9	9	9
Public Works	Directors/Engineers	Public Works	12	12	12
Public Communication	911 specialists	E-911	8	8	8
Public Utilities	Professionals	Public Utilities	3	3	3
Surveyor	Professional	Contracted	1	1	1

The Fiscal Capability survey identifies whether the jurisdiction has access to or is eligible to use certain financial resources for hazard mitigation.

City of Columbiana Fiscal Capabilities					
Financial Resources	Description	Eligible			Used
		Yes	No	TBD	
Community Grants	Community Development Block Grants (CDBG)	X			Y
	Hazard Mitigation Planning Grants (HMPG)	X			Y
	PDM for disaster resistant universities		X		N
	PDM Grants for communities	X			Y
	Department of Health Grants		X		N
	Department of Justice Grants	X			Y
	Department of Agriculture Grants		X		N
	Department of Energy Grants		X		N



**City of Columbiana
All Hazards Mitigation Action Plan**

	Department of Education Grants		X		N
	Fire department grants	X			Y
	Flood Management Grants (FMA)	X			N
	Homeland Security Grant Program (HSGP)	X			N
	Repetitive Flood Claims Grants (RFC)	X			N
	Severe Repetitive Loss Grants (SRL)	X			N
	Private foundation grants	X			N
	Private business/industry grants	X			N
Debt Procurement	Incur debt through special tax/revenue bonds	X			N
Dept Procurement	Incur debt through private activity bonds	X			N
Impact Fees	Developer fees for new developments	X			N
Jurisdiction Bonds	Incur debt through general obligation bonds	X			N
Project Funding	Capital improvement	X			Y
Spending Restrictions	Withhold spending in hazard-prone areas	X			N
Special Taxes	Authority to levy taxes for specific purposes	X			Y
Utility Fees	Fees for water, sewer, gas, or electric service	X			Y

Mitigation Goals and Objectives

The Mitigation Committee believes that each of the following goals, objectives, and action items is necessary to begin to address hazard issues in City of Columbiana. The following goal statements represent a broad target for City of Columbiana and its municipalities to achieve through the implementation of their own specific Mitigation Action Plans before the next Plan update.

GOALS	OBJECTIVES
All Hazards Goal: Mitigate the impact of all hazards on the City of Columbiana	Objective AH.1: Improve the City of Columbiana’s information distribution and warning capabilities for all hazards to citizens Objective AH.2: Improve the City of Columbiana’s 1 st responder capabilities to prepare for and respond to all hazards Objective AH.3: Improve the City of Columbiana’s capability to prepare for, respond to and recover from all hazards
Flooding Hazard Goal: Mitigate the impact of flooding on the City of Columbiana	Objective FL.1: Improve the City of Columbiana’s flood warning and information distribution to citizens Objective FL.2: Improve the City of Columbiana’s 1 st responder capabilities to prepare for and respond to flood events. Objective FL.3: Improve the City of Columbiana’s capability to prepare for, respond to and recover from flood events
High Wind Hazard Goal: Mitigate the impact of High Winds on the City of Columbiana	Objective HW.1: Improve the City of Columbiana’s High Winds warning and information distribution to citizens Objective HW.2: Improve the City of Columbiana’s 1 st responder capabilities to prepare for and respond to High Winds events. Objective HW.3: Improve the City of Columbiana’s capability to prepare for, respond to and recover from High Winds events



**City of Columbiana
All Hazards Mitigation Action Plan**

Ice/Snow Hazard Goal: Mitigate the impact of Ice/Snow on the City of Columbiana	Objective IS.1: Improve the City of Columbiana’s Ice/Snow warning and information distribution to citizens Objective IS.2: Improve the City of Columbiana’s 1 st responder capabilities to prepare for and respond to Ice/Snow events. Objective IS.3: Improve the City of Columbiana’s capability to prepare for, respond to and recover from Ice/Snow events
Wildfire Hazard Goal: Mitigate the impact of Wildfires on the City of Columbiana	Objective WF7.1: Improve the City of Columbiana’s Wild-land Fire warning and information distribution to citizens Objective WF.2: Improve the City of Columbiana’s 1 st responder capabilities to prepare for and respond to Wild-land Fire events Objective WF.3: Improve the City of Columbiana’s capability to prepare for, respond to and recover from Wild-land Fire events
Illegal Drug Lab Hazard Goal: Mitigate the impact of Illegal Drug Laboratories the City of Columbiana	Objective ID.1: Improve the City of Columbiana’s Illegal Drug Laboratories warning and information distribution to citizens Objective ID.2: Improve the City of Columbiana’s 1 st responder capabilities to prepare for and respond to Illegal Drug Laboratories Objective ID.3: Improve the City of Columbiana’s capability to prepare for, respond to and recover from Illegal Drug Laboratories existence
Urban Fire Hazard Goal: Mitigate the impact of Urban Fires on the City of Columbiana	Objective UF.1: Improve the City of Columbiana’s Urban Fire warning and information distribution to citizens Objective UF.2: Improve the City of Columbiana’s 1 st responder capabilities to prepare for and respond to Urban Fire events Objective UF.3: Improve the City of Columbiana’s capability to prepare for, respond to and recover from Urban Fire events

Multi-Jurisdictional Mitigation Actions

The actions listed in each jurisdiction’s Mitigation Action Plan serve as an easily understood menu of mitigation policies and projects for local decision-makers who want to quickly review their jurisdiction’s respective element of the countywide Plan. In preparing the individual MAP’s, each jurisdiction considered their overall hazard risk and capability to mitigate identified hazards as recorded through the risk and capability assessment process and to meet the countywide mitigation goals and the unique needs of their community.

Each jurisdiction participating in this Plan is responsible for implementing specific mitigation actions as prescribed in the adopted Mitigation Actions. In each Mitigation Action Plan, every proposed action is assigned to a specific local department or agency in order to assign responsibility and accountability and increase the likelihood of subsequent implementation. This approach enables individual jurisdictions to update their unique mitigation strategy as needed without altering the broader focus of the countywide Plan. The separate adoption of locally specific actions also ensures that each jurisdiction is not held responsible for monitoring and implementing the actions of other jurisdictions involved in the planning process.



**City of Columbiana
All Hazards Mitigation Action Plan**

Mitigation Actions Prioritizing

Prioritizing mitigation actions for each jurisdiction was based on the “STAPLEE” process. “STAPLEE” uses multiple factors under the categories of Social, Technical, Administration, Legal, Economic and Environment. The original STAPLEE factors have been modified to enhance the prioritization process. The enhancements include adding life, property and economic items to the Social category and implementing weighting factors to Social and Economic categories. A weighting factor of 3 is used for loss of life and a weighting factor of 1 through nine is used for Economic impact of the hazard occurrence. A weighting factor of 2 is used for cost/benefit items. The table used for prioritization is at the end of this section.

Prioritizing mitigation actions for each jurisdiction was based on the “STAPLEE” process. “STAPLEE” uses multiple factors under the categories of <u>S</u>ocial, <u>T</u>echnical, <u>A</u>dministration, <u>L</u>egal, <u>E</u>conomic and <u>E</u>nvironment			
Issue	1	2	3
<u>Social</u>			
High Community Acceptance	Potential objection from public and/or very expensive	Unknown if objectionable, or costs may be significant	Not objectionable and low/no costs
High Effect on saving lives	Life saving impact is low	Life saving impact is moderate	Life saving impact is significant
High Effect on reducing property loss	Effect on reducing property loss is low	Effect on reducing property loss is moderate	Effect on reducing property loss is significant
Effect on reducing economic loss	Effect on reducing economic loss is low (factor 1-3)	Effect on reducing economic loss is moderate (factor 4-6)	Effect on reducing economic loss is significant (factor 7-9)
<u>Technical</u>			
Is Technical Feasibility	Technology not currently existing	Emerging or untested technology or unknown	Technology readily available
Is a Long-Term Solution	No, is not effective in helping reduce losses in the long term	Potentially or unknown	Yes, is effective in helping reduce losses in the long term
No Secondary Impacts	Yes, likely to create secondary problems	Potentially or unknown	No, unlikely to create secondary problems
Administrative Little Staffing is required	Need to hire a permanent employee(s)	Potentially need to hire a temporary employee(s) or unknown.	Do not have to hire
Funding Potential is high	No obvious source of funding available and action has significant cost impact	Limited or unknown funding available	Little or no funding required or funding can be readily obtained
Low Maintenance and Operations	The action is likely to require high level of ongoing maintenance	Unknown or action has the potential for moderate ongoing maintenance	Action requires limited or no ongoing maintenance
<u>Political</u>			
High Political Support	Local Elected Official likely to be contentious	Local Elected Official may be controversial	Local Elected Official likely to be supportive
Local Champion available	Unlikely there is a Local Elected Official to support	Uncertain if there is a Local Elected Official to champion	A Local Elected Official is likely to support and champion



**City of Columbiana
All Hazards Mitigation Action Plan**

High Public Support	Public Political support is unlikely	Public Political support is uncertain	Public Political support is likely
<u>Legal</u> State Authority Exists	No legal state authority exists	Legal state authority is unclear, uncertain or adoption is in progress	Legal state authority exists
Local Authority Exists	No legal authority exists	Legal authority is unclear, uncertain or adoption is in progress	Legal authority exists
Potential Legal Challenge is high	High likelihood of legal challenge by stakeholders	Moderate likelihood of legal challenge by stakeholders	Low likelihood of legal challenge by stakeholders
<u>Economic</u> High Action Benefit	Low benefit to the jurisdiction from the action	Moderate benefit to the jurisdiction from the action	High benefit to the jurisdiction from the action
Low Action Cost	High cost to implement action	Moderate cost to implement action	Low cost to implement action
High Economic Contribution	Low contribution to other community economic goals	Moderate contribution to other community economic goals	High contribution to other community economic goals
Outside Funding is Required	Likely for action to be delayed pending outside sources of funding	Possible for action to be delayed pending outside sources of funding	Unlikely for action to be delayed pending outside sources of funding
<u>Environmental</u> Low Land/Water Effect	High likelihood of negative consequences to land/water	Moderate likelihood of negative consequences to land/water	Low likelihood of negative consequences to land/water
Low Endangered Species Effect	High likelihood of potential negative consequences to endangered species	Moderate likelihood of negative consequences to endangered species	Low likelihood of negative consequences to endangered species
Low Environmental Effect	No, project is not consistent with jurisdiction environmental goals	Possible, project is consistent with jurisdiction environmental goals	Yes, project is consistent with jurisdiction environmental goals
Federal Law Compliant	No	Uncertain	Yes

Mitigation Actions

Each jurisdiction participating in this Plan should review the specific mitigation actions as prescribed in the adopted Mitigation Action Plan. In each Mitigation Action Plan, every proposed action is assigned to a specific local department or agency in order to increase the likelihood of subsequent implementation. This approach enables individual jurisdictions to update their unique mitigation strategy as needed without altering the broader focus of the countywide Plan. The separate adoption of locally specific actions also ensures that each jurisdiction is not held responsible for monitoring and implementing the actions of other jurisdictions involved in the planning process.

Hazard Goal & Action	Action/Project Description	Responsibility	Funding Source	Estimated Cost/Benefit	Start/End Date	Priority
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**City of Columbiana
All Hazards Mitigation Action Plan**

Hazard Goal & Action	Action/Project Description	Responsibility	Funding Source	Estimated Cost/Benefit	Start/End Date	Priority
AH1aa	Update waste water treatment plant and raise berm to mitigate future flooding and overtopping of retention ponds	City Govt.	Grant/local funds	325,000 1,250,000	2016 2020	92
AH1f	Assist citizens to develop emergency preparedness, response and recovery plans.	Fire Svc., City Govt	Local Funds	2,207 110,350	2016 2020	88
HW1b	Educate the public on High Wind weather preparedness, response and recovery	Fire Svc. NWS EMA	Local Funds	2,207 110,350	2016 2020	87
HW1c	Educate special needs/school/local populations on High Wind preparedness and response	Fire Svc. NWS EMA	Local Funds	2,207 110,350	2016 2020	87
HW1c	Distribute High Wind preparedness information to special needs/school/local populations	NWS Fire Svc. EMA	Local Funds	2,207 110,350	2016 2020	87
UF1a	Educate school/special needs/local populations on fire safety and response	Fire Svc. BOE	Grant Local Funds	5,518 110,350	2016 2020	85
UF1b	Educate school, special needs and the community population on fire extinguisher use	Fire Svc.	Local Funds	2,207 110,350	2016 2020	85
UF1c	Assist fire departments in obtaining fire prevention program materials	EMA Fire Svc.	Local Funds	2,207 110,350	2016 2020	85
AH1e	Distribute safe room/shelter in place information to schools/special needs/local populations	Fire Svc. Police Dept. BOE	Local Funds	2,207 110,350	2016 2020	84
UF3d	Develop fire plans for all major businesses and critical facilities	Fire Svc.	Local Funds	2,207 551,750	2016 2020	84
AH3b	Obtain and continually update 911 technology and capabilities	911, PD	Local Funds Grant	22,070 110,350	2016 2020	83
AH3y	Insure building code compliance Inspections are conducted on construction projects	City Govt	Local Funds	2,207 110,350	2016 2020	83
TR1b	Educate school/special needs/government officials on procedures to handle suspicious mail	BOE Police Dept	Local Funds	2,207 110,350	2016 2020	83
AH3x	Develop a community shelter program for mobile home parks	City Govt	Grant Local Funds	110,350 1,103,500	2016 2020	82
HW2a	Ensure Hurricane watch and warning procedures are in place to early alert 1 st responders	EMA, 1 st responders	Local Funds	2,207 110,350	2016 2020	82
UF3g	Enforce legislation that fire extinguishers are clearly marked, available and regularly tested	City Govt Fire Svc.	Local Funds	2,207 110,350	2016 2020	82
AH1h	Develop a media warning program to warn the public of hazard event	City Govt	Local Funds	2,207 110,350	2016 2020	81
AH3r	Participate in NFIP's Cooperating Technical Partners Program (CTP)	City Govt	Local Funds	2,207 110,350	2016 2020	81
FL3e	Inspect and maintain natural drainage channels to clear beaver dams and debris	City Govt Fire Svc.	Grant Local Funds	27,588 331,050	2016 2020	81



**City of Columbiana
All Hazards Mitigation Action Plan**

Hazard Goal & Action	Action/Project Description	Responsibility	Funding Source	Estimated Cost/Benefit	Start/End Date	Priority
HW3a	Adopt/enforce comprehensive Building Code legislation	City Govt	Local Funds	2,207 110,350	2016 2020	81
UF2c	Obtain/maintain fire fighting supplies at all fire departments	Fire Svc.	Grant Local Funds	55,175 165,525	2016 2020	81
AH3l	Assist schools in implementing an emergency phone line	City Govt BOE	Local Funds	2,207 110,350	2016 2020	80
FL2a	Obtain PPE for all personnel responding to flood events	Fire Svc.	Grant Local Funds	27,588 165,525	2016 2020	80
FL2b	Train all 1 st responders on repetitive flooding areas and structures	Fire Svc.	Grant Local Funds	11,035 110,350	2016 2020	80
FL3k	Obtain/install/maintain/monitor rainfall and stream gauges to predict local flooding	City Govt	Grant Local Funds	11,035 110,350	2016 2020	80
AH3a	Adopt the National Incident Management System (NIMS)	City Govt	Local Funds	2,207 110,350	2016 2020	79
AH3j	Maintain a supplier list of food, medicines, water and fuel vendors	City Govt	Local Funds	2,207 110,350	2016 2020	79
AH3u	Ensure all mutual aid shelter, response, mass casualty and recovery agreements are current	City Govt ADPH ADHR EMA	Local Funds	2,207 110,350	2016 2020	79
TR3m	Encourage special needs facilities to implement a security system	Police Dept	Local Funds	2,207 110,350	2016 2020	79
UF3c	Encourage fire inspections to be regularly conducted at businesses and industry	Fire Svc.	Local Funds	2,207 551,750	2016 2020	79
AH1b	Schedule regular maintenance and testing of hazard warning units (Monthly Testing)	Fire Dept	Local Funds	12,207 220,700	2016 2020	78
AH3s2	Develop strategies to prevent loss of public records	City Govt	Local Funds	12,207 110,350	2016 2020	78
AH3t	Annually review and update hazard related legislation	City Govt	Local Funds	2,207 110,350	2016 2020	78
IL3a	Join/participate in local state and federal drug task forces	Police Dept	HLS Grant Local Funds	1,104 110,350	2016 2020	78
UF3b	Ensure that fire codes are rigidly enforced with citations issued for violations.	Fire Svc. Police Dept	Local Funds	2,207 551,750	2016 2020	78
WF1b	Educate business/school/local population on the causes of wild land fires	AFC Fire Svc.	Local Funds	2,207 110,350	2016 2020	78
WF1c	Educate school/business/local populations on preparedness for and response to a Wildland fire	AFC Fire Svc. BOE	Local Funds	2,207 110,350	2016 2020	78
WF1f	Publish outdoor burn ban info in area newspapers during Wildland fire seasons.	City Govt	Local Funds	2,207 110,350	2016 2020	78
FL3a	Participate in the National Flood Insurance Program (NFIP)	City Govt	Local Funds	2,207 110,350	2016 2020	77
FL3h	Request a study of the feasibility of flood control measures along the Coosa Rivers.	City Govt	Grant Local Funds	27,588 165,525	2016 2020	77



**City of Columbiana
All Hazards Mitigation Action Plan**

Hazard Goal & Action	Action/Project Description	Responsibility	Funding Source	Estimated Cost/Benefit	Start/End Date	Priority
AH2c	Train 1 st responders in search and rescue techniques	Police Dept Fire Svc.	Grant Local Funds	27,588 110,350	2016 2020	76
AH3o	Assist businesses, schools, special needs and government facilities to post evacuation routes	City Govt Police Dept	Local Funds	2,207 110,350	2016 2020	76
AH3p	Develop/implement/maintain the jurisdictions Mitigation Action Plan	City Govt Fire Svc. Police	Grant Local Funds	5,518 165,525	2016 2020	76
AH3s1	Assist businesses to develop Business Continuity Plans	City Govt	Local Funds	2,207 110,350	2016 2020	76
FL3h	Educate developers on Watershed, Floodplain and wetland development restrictions	City Govt	Local Funds	2,207 110,350	2016 2020	76
HW2c	Train 1 st responders to respond to High Wind events	Fire Svc. Police Dept	Grant Local Funds	27,588 110,350	2016 2020	76
UF2a	Obtain fire PPE for all personnel responding to fire incidents	Fire Svc.	Grant Local Funds	85,518 220,700	2016 2020	76
UF2d	Train all fire responders in fire combat techniques annually	Fire Svc.	Grant Local Funds	5,518 220,700	2016 2020	76
UF3a	Ensure that NFPA standards and codes are followed.	City Govt Fire Svc.	Local Funds	2,207 110,350	2016 2020	76
FL1a	Distribute flood awareness/preparedness info to schools/special needs/local populations	Fire Svc.	Local Funds	2,207 110,350	2016 2020	75
WF1d	Develop a plan to distribute wildfire awareness and prevention information	AFC Fire Svc.	Local Funds	2,207 110,350	2016 2020	75
WF1e	Work with the DNR to distribute USFS fuels reduction information (Firewise.)	AFC Fire Svc.	Local Funds	2,207 110,350	2016 2020	75
WF3g	Maintain contact with the Forestry office that issues daily "fire potential" reports	AFC Fire Svc.	Local Funds	2,207 110,350	2016 2020	75
AH2b	Evaluate/maintain 1st responders emergency kits annually	Fire Svc.	Local Funds	5,518 55,175	2016 2020	74
AH2g	Train 1 st responders and officials on the National Incident Management System (NIMS)	City Govt Police Dept Fire Svc.	DHL Grant Local Funds	11,035 110,350	2016 2020	74
AH2h	Train 1 st responders and officials in Emergency Operations Center Ops and the EOP	City Govt, Fire Svc Police Dept	Local Funds	5,518 110,350	2016 2020	74
AH2i	Train 1 st responders/officials in performing damage assessments.	City Govt Fire Svc. EMA	Local Funds	5,518 110,350	2016 2020	74
AH3d	Obtain additional Emergency Operations Center equipment and crisis management software	EMA City Govt	Grant Local Funds	5,518 110,350	2016 2020	74
AH3k	Obtain disaster supply kits for schools/special needs facilities	City Govt Fire Svc. BOE	Grant Local Funds	16,553 165,525	2016 2020	74
HW1a	Obtain NOAA weather radios for schools, government and special needs facilities	Fire Svc. BOE	Grant Local Funds	33,105 220,700	2016 2020	74
HW2b	Obtain 1 st responder PPE and supplies for High Wind response	Fire Svc. City Govt	Local funds Grant	55,175 165,525	2016 2020	74



**City of Columbiana
All Hazards Mitigation Action Plan**

Hazard Goal & Action	Action/Project Description	Responsibility	Funding Source	Estimated Cost/Benefit	Start/End Date	Priority
HW3d	Develop a debris clearance program that can be utilized citywide	City Govt EMA Co Engr	Grant Local Funds	11,035 110,350	2016 2020	74
UF2h	Train fire 1 st responders to at least the "Awareness and Operations level" under OSHA 1910.120	Fire Svc.	Grant Local Funds	16,553 110,350	2016 2020	74
WF2g	Identify Private 1 st responders and contractors to assist in Wildland fire response	Fire Svc.	Local Funds	2,207 110,350	2016 2020	74
AH1d	Obtain backup power systems for audible warning devices	City Govt	Grant	55,175 551,750	2016 2020	73
AH2a	Obtain/distribute interoperable radios for all 1 st responders	Fire Svc.	Grant Local Funds	55,175 220,700	2016 2020	73
AH2e	Train 1 st responders on responding to mass casualty events	Fire Svc. Police Dept	DHL Grants Local funds	5,518 110,350	2016 2020	73
AH3b1	Develop redundancy capabilities for 911 services and equipment	911, PD	Local Funds Grants	52,207 331,050	2016 2020	73
FL3d	Participate in the NFIP Community Rating System	City Govt	Local Funds	2,207 110,350	2016 2020	73
HW2d	Exercise a High Wind event with 1 st responders at least annually	City Govt Fire Svc. Police	Local Funds	2,207 110,350	2016 2020	73
UF2b	Train firefighters to obtain for state and national certifications	Fire Svc.	Grant Local Funds	33,105 110,350	2016 2020	73
UF3e	Adopt/enforce sprinkler and smoke alarm legislation for commercial/special needs facilities	City Govt Fire Svc.	Local Funds	2,207 220,700	2016 2020	73
WF1a	Educate school/local/business populations on wildfire fuels reduction	AFC Fire Svc.	Local Funds	2,207 110,350	2016 2020	73
AH1c	Obtain and/or expand warning sirens to for all uncovered areas (3 locations)	City Govt	Grant Local Funds	66,210 551,750	2016 2020	72
AH1g	Obtain/install an automated wide area rapid notification system.	City Govt	Grant Local Funds	110,350 551,750	2016 2020	72
AH3e1	Assist nongovernmental critical facilities to obtain emergency generators/pigtails	City Govt	Grant Local Funds	55,175 220,700	2016 2020	72
AH3o1	Obtain signage to direct the public evacuation during hazard events	City Govt Fire Svc. Police	Grant Local Funds	11,035 110,350	2016 2020	72
FL3l	Identify alternative access points for single access neighborhoods	City Govt	Local Funds	2,207 110,350	2016 2020	72
FL3m	Acquire signage to indicate water depth at flooding points	City Govt Fire Svc.	Grant Local Funds	11,035 165,525	2016 2020	72
HW1g	Train citizens in weather observation in conjunction with the National Weather Service	NWS Fire Svc. EMA	Local Funds	2,207 110,350	2016 2020	72
UF3i	Adopt/enforce housing code legislation to limit number of citizens in substandard housing	City Govt	Local Funds	2,207 110,350	2016 2020	72



**City of Columbiana
All Hazards Mitigation Action Plan**

Hazard Goal & Action	Action/Project Description	Responsibility	Funding Source	Estimated Cost/Benefit	Start/End Date	Priority
UF3k	Obtain smoke detectors and provide free to residents in need.	City Govt Fire Svc.	Grant Local Funds	11,035 110,350	2016 2020	72
AH3b2	Develop redundancy capabilities for emergency radio communications	1 st responder Depts	Local Funds Grants	22,070 110,350	2016 2020	71
FL3a5	Obtain and maintain NFIP FIRMS to identify jurisdiction flood prone areas	City Govt	Local Funds	12,207 110,350	2016 2020	71
HW1g	Develop a plan to provide weather radios to low income residents	City Govt Fire Svc.	Grant Local Funds	11,035 110,350	2016 2020	71
PD3i	Maintain contact with state and federal agencies regarding biological and disease threats.	ADPH Police Dept	Local Funds	2,207 110,350	2016 2020	71
WF3i	Adopt/enforce wildfire legislation that includes burning bans	City Govt Fire Svc.	Local Funds	2,207 110,350	2016 2020	71
AH2d	Exercise 1 st responder and hospital Mass Casualty plans regularly.	Fire Svc. Police Dept	Local Funds	11,035 110,350	2016 2020	70
AH3i1	Evaluate shelter requirements annually & add necessary shelters	ARC City Govt EMA ADPH	Local Funds Grants	2,207 1,103,500	2016 2020	70
FL3c3	Adopt/enforce mobile home legislation to restrict development of lots within the flood plain.	City Govt	Local Funds	2,207 551,750	2016 2020	70
FL3f	Identify roadways, culverts and bridges damaged by flooding	City Govt	Local Funds	2,207 110,350	2016 2020	70
FL3g	Update City Land Use Plan to identify areas where development should be restrictive	City Govt	Local Funds	2,207 110,350	2016 2020	70
FL3a4	Educate developers, builders and the public on the location of NFIP designated flood plains	City Govt	Local Funds	2,207 110,350	2016 2020	69
FL3f3	Obtain/Install barriers to block flooding roadways and bridges (Barricades, cones)	Fire Svc. Police Dept	Grant Local Funds	16,553 165,525	2016 2020	69
AH3s	Obtain funds for critical government departments to develop Continuity of Operations Plans	City Govt	Grant Local Funds	27,588 331,050	2016 2020	68
UF1d	Obtain a fire education-training trailer for the jurisdiction.	Fire Svc.	Grant Local Funds	110,350 220,700	2016 2020	68
UF3f	Obtain fire equipment to combat fires where water hydrants are nonexistent	Fire Svc.	Grant Local Funds	220,700 1,103,500	2016 2020	68
WF2c	Train fire 1 st responders in Wildland fire response techniques	Fire Svc. AFC	Local Funds	2,207 110,350	2016 2020	68
FL3a1	Adopt/enforce an NFIP flood plain management plan	City Govt	Local Funds	2,207 165,525	2016 2020	67
FL3a2	Adopt/enforce floodplain legislation to require structures be built above the NFIP BSE	City Govt	Local Funds	2,207 441,400	2016 2020	67
HW3e	Obtain funding to build mobile home community storm shelters	City Govt EMA	Grant Local Funds	275,875 551,750	2016 2020	67



**City of Columbiana
All Hazards Mitigation Action Plan**

Hazard Goal & Action	Action/Project Description	Responsibility	Funding Source	Estimated Cost/Benefit	Start/End Date	Priority
WF2e	Obtain DNR compatible radios for interoperable communications.	City Govt Fire Svc.	Grant Local funds	33,105 331,050	2016 2020	67
AH3e	Obtain/install emergency generators or “pigtailed” for critical government facilities and fuel depots. (City Hall, FS# 1, Pump Station)	City Govt Fire Svc. Police Dept	Grant Local Funds	110,350 551,750	2016 2020	66
UF3h	Acquire and install six inch water mains/hydrants city wide	City Govt	Grant Local Funds	551,750 1,103,500	2016 2020	66
FL3a3	Educate builders, developers and the public on the National Flood Insurance Program (NFIP)	City Govt	Local Funds	2,207 110,350	2016 2020	64
FL3f	Develop a storm water management plan for the jurisdiction	City Govt	Grant Local Funds	11,035 165,525	2016 2020	64
WF2f	Exercise fire response regularly for residences, businesses and industry	Fire Svc.	Local Funds	2,207 110,350	2016 2020	64
FL3e	Adopt/enforce land use flood plain wetlands and watershed zoning	City Govt	Local Funds	2,207 331,050	2016 2020	63
FL3g	Adopt/enforce storm water legislation to reduce runoff from developments.	City Govt	Local Funds	2,207 110,350	2016 2020	63
WF2b	Obtain specialized equipment to combat Wildland fires.	Fire Svc.	Grant Local funds	11,035 220,700	2016 2020	63
FL3i	Obtain equipment to build water flow and water retention areas to mitigate flooding	City Govt	Grant Local Funds	110,350 551,750	2016 2020	61
PD2d	Obtain supplies and materials needed to vaccinate and prophylax 1 st responders	City Govt ADPH EMA	Grant Local Funds	33,105 165,525	2016 2020	61
FL3f1	Install/replace/maintain culverts ditches and bridges to reduce storm water flooding	City Govt	Grant Local Funds	220,700 551,750	2016 2020	59
FL3f2	Obtain equipment to mitigate bridge, culverts, and roadway flooding	City Govt	Grant Local Funds	55,175 220,700	2016 2020	59
HW3g	Adopt/enforce tie down and skirting legislation for mobile homes and mobile home parks	City Govt	Local Funds	2,207 110,350	2016 2020	57
HW3h	Adopt/enforce legislation to control construction standards of mobile homes moved into the city.	City Govt	Local Funds	2,207 110,350	2016 2020	56

“STAPLEE” Mitigation Actions Prioritization Table

	Social	Technical	Administrative	Political	Legal	Economic	Environmental	Prioritization



**City of Columbiana
All Hazards Mitigation Action Plan**

Action/Project Description	High Community Acceptance	High effect on Loss of Life-WF=3	High effect on Property Loss	High effect on Economic Loss	Is Technical Feasibility	Is a Long-Term Solution	No Secondary Impacts	Little Staffing required	Funding Potential is High	Low Maintenance/Operations	High Political Support	Has a Local Champion	Has Public Support	State Authorized	Local Authority Exists	Potential Legal Challenge is High	Action Benefit is High WF=2	Action Cost is Low WF=2	High Economic Goal Contribution	Outside Funding Not Required	Land/Water Effect is Low	Low Endangered Species Effect	Low Cultural Resources Effect	Environmental Effect is low	Federal law Compliant is High	Total Priority Score
Update waste water treatment plant and raise berm to mitigate future flooding and overtopping of retention ponds	3	9	6	9	3	3	3	3	3	3	3	3	3	3	3	3	6	2	4	2	2	3	3	3	3	92
Assist citizens to develop emergency preparedness, response and recovery plans.	3	6	6	9	3	2	3	2	3	2	3	2	3	3	3	3	6	6	3	2	3	3	3	3	3	88
Obtain/install emergency generators or “pigtailed” for critical government facilities and fuel depots. (City Hall, FS# 1, Pump Station)	3	9	6	9	3	3	3	3	3	3	2	3	3	3	3	2	6	2	2	2	3	3	3	3	3	87
Educate the public on High Wind weather preparedness, response and recovery	3	6	4	8	3	2	3	2	3	2	3	3	3	3	3	3	6	6	3	3	3	3	3	3	3	87
Educate special needs/school/local populations on High Wind preparedness and response	3	6	4	8	3	2	3	2	3	2	3	3	3	3	3	3	6	6	3	3	3	3	3	3	3	87
Distribute High Wind preparedness information to special needs/school/local populations	3	6	4	8	3	2	3	2	3	2	3	3	3	3	3	3	6	6	3	3	3	3	3	3	3	87
Assist nongovernmental critical facilities to obtain emergency generators/pigtailed	3	9	6	9	3	3	3	3	3	3	2	2	3	3	3	2	4	2	4	1	3	3	3	3	3	86
Evaluate shelter requirements annually & add necessary shelters	3	9	6	9	3	3	3	3	3	3	2	3	3	3	3	2	4	2	2	1	3	3	3	3	3	85
Educate school/special needs/local populations on fire safety and response	3	6	4	7	3	2	3	2	3	2	3	3	3	3	3	3	6	6	2	3	3	3	3	3	3	85
Educate school, special needs and the community population on fire extinguisher use	3	6	4	7	3	2	3	2	3	2	3	3	3	3	3	3	6	6	2	3	3	3	3	3	3	85
Assist fire departments in obtaining fire prevention program materials	3	6	4	7	3	2	3	2	3	2	3	3	3	3	3	3	6	6	2	3	3	3	3	3	3	85
Distribute safe room/shelter in place information to schools/special needs/local populations	3	9	0	9	3	3	3	2	3	2	3	2	2	3	3	3	6	6	2	2	3	3	3	3	3	84
Develop a community shelter program for mobile home parks	3	6	6	9	2	2	3	2	3	2	2	2	2	3	3	3	6	2	4	2	2	3	3	2	3	84
Develop fire plans for all major businesses and critical facilities	2	6	6	7	3	2	3	2	2	2	3	2	2	3	3	3	6	6	3	3	3	3	3	3	3	84



**City of Columbiana
All Hazards Mitigation Action Plan**

Obtain and continually update 911 technology and capabilities	2	9	6	9	3	3	3	2	3	1	2	2	3	3	3	3	4	2	4	1	3	3	3	3	3	83
Insure building code compliance inspections are conducted on construction projects	2	9	0	9	3	3	2	2	3	2	2	2	2	3	3	3	6	6	6	2	2	3	3	2	3	83
Educate school/special needs/government officials on procedures to handle suspicious mail	3	9	2	4	3	2	3	2	3	2	3	3	3	3	3	3	6	6	2	3	3	3	3	3	3	83
Ensure Hurricane watch and warning procedures are in place to early alert 1 st responders	2	6	6	8	3	3	3	2	3	2	2	2	2	3	3	3	4	4	4	2	3	3	3	3	3	82
Enforce legislation that fire extinguishers are clearly marked, available and regularly tested	2	6	4	7	3	2	3	1	3	2	3	3	2	3	3	3	6	6	2	3	3	3	3	3	3	82
Develop a media warning program to warn the public of hazard event	3	6	4	9	3	3	3	2	3	2	3	2	3	3	3	3	3	2	4	2	3	3	3	3	3	81
Participate in NFIP's Cooperating Technical Partners Program (CTP)	2	3	4	9	3	3	3	2	3	2	2	2	2	3	3	2	6	6	4	3	3	2	3	3	3	81
Inspect and maintain natural drainage channels to clear beaver dams and debris	2	6	6	5	2	2	2	3	2	2	2	2	2	3	3	2	6	6	6	2	3	3	3	3	3	81
Adopt/enforce comprehensive Building Code legislation	2	6	6	8	3	3	2	1	3	1	2	3	2	3	3	2	4	6	3	3	3	3	3	3	3	81
Obtain/maintain fire fighting supplies at all fire departments	2	6	6	7	3	2	3	2	3	2	3	3	2	3	3	3	4	4	3	2	3	3	3	3	3	81
Assist schools in implementing an emergency phone line	3	3	2	9	2	2	3	3	3	3	3	2	3	3	3	3	6	4	2	3	3	3	3	3	3	80
Obtain PPE for all personnel responding to flood events	2	6	2	5	3	2	3	2	3	2	3	3	2	3	3	3	6	6	3	3	3	3	3	3	3	80
Train all 1 st responders on repetitive flooding areas and structures	2	6	4	5	3	3	3	2	3	2	3	3	3	3	3	3	4	4	4	2	3	3	3	3	3	80
Obtain/install/maintain/monitor rainfall and stream gauges to predict local flooding	2	6	6	5	3	3	2	2	2	2	2	2	2	3	3	3	6	4	6	1	2	3	3	3	3	80
Adopt the National Incident Management System (NIMS)	2	3	0	9	3	3	3	2	3	3	2	2	2	3	3	3	6	6	3	3	3	3	3	3	3	79
Maintain a supplier list of food, medicines, water and fuel vendors	2	6	0	9	2	2	3	2	2	2	3	2	3	3	3	3	6	6	2	3	3	3	3	3	3	79
Ensure all mutual aid shelter, response, mass casualty and recovery agreements are current	2	3	2	9	3	2	3	3	3	2	2	2	2	3	3	3	6	6	2	3	3	3	3	3	3	79
Encourage special needs facilities to implement a security system	3	3	2	4	3	3	3	2	3	3	3	3	3	3	3	3	6	6	2	3	3	3	3	3	3	79
Encourage fire inspections to be regularly conducted at businesses and industry	2	6	6	7	3	2	3	1	2	1	3	3	2	3	3	3	4	4	3	3	3	3	3	3	3	79
Schedule regular maintenance and testing of hazard warning units (Monthly Testing)	3	9	0	9	3	3	2	1	3	1	3	3	3	3	3	3	6	4	2	2	2	2	2	3	2	78
Develop strategies to prevent loss of public records	2	3	2	9	2	2	3	3	3	2	2	2	2	3	3	3	6	6	2	3	3	3	3	3	3	78



**City of Columbiana
All Hazards Mitigation Action Plan**

Annually review and update hazard related legislation	2	3	2	9	2	2	3	3	3	2	2	2	2	3	3	3	6	6	2	3	3	3	3	3	3	78
Join/participate in local state and federal drug task forces	3	3	2	3	3	3	3	2	3	3	3	3	3	3	3	3	6	6	2	3	3	3	3	3	3	78
Ensure that fire codes are rigidly enforced with citations issued for violations.	2	6	6	7	3	2	2	1	2	1	3	3	2	3	3	3	4	4	3	3	3	3	3	3	3	78
Educate business/school/local population on the causes of wild land fires	3	6	2	2	3	2	3	2	3	2	3	3	3	3	3	3	6	6	2	3	3	3	3	3	3	78
Educate school/business/local populations on preparedness for and response to a Wildland fire	3	6	2	2	3	2	3	2	3	2	3	3	3	3	3	3	6	6	2	3	3	3	3	3	3	78
Publish outdoor burn ban info in area newspapers during Wildland fire seasons.	3	6	2	2	3	2	3	2	3	2	3	3	3	3	3	3	6	6	2	3	3	3	3	3	3	78
Participate in the National Flood Insurance Program (NFIP)	3	0	4	5	3	3	3	3	2	3	2	2	2	3	3	3	6	6	3	3	3	3	3	3	3	77
Request a study of the feasibility of flood control measures along the Coosa Rivers.	2	6	6	5	3	3	3	2	2	2	2	1	2	3	3	3	4	4	6	1	3	2	3	3	3	77
Train 1 st responders in search and rescue techniques	2	9	0	9	3	2	3	2	2	2	2	2	2	3	3	3	4	4	2	2	3	3	3	3	3	76
Assist businesses, schools, special needs and government facilities to post evacuation routes	2	3	2	9	2	2	3	2	3	3	2	1	2	3	3	2	6	6	2	3	3	3	3	3	3	76
Develop/implement/maintain the jurisdictions Mitigation Action Plan	2	3	4	9	2	3	3	2	3	2	2	2	2	3	3	3	4	4	4	2	2	3	3	3	3	76
Assist businesses to develop Business Continuity Plans	2	0	4	9	3	3	3	2	3	2	2	2	2	3	3	3	4	4	4	3	3	3	3	3	3	76
Educate developers on Watershed, Floodplain and wetland development restrictions	2	3	4	5	3	2	3	2	3	2	2	2	2	3	3	3	6	6	2	3	3	3	3	3	3	76
Train 1 st responders to respond to High Wind events	3	6	0	8	3	2	3	2	3	2	3	3	2	3	3	3	4	4	2	2	3	3	3	3	3	76
Obtain fire PPE for all personnel responding to fire incidents	2	6	4	7	3	2	3	2	3	2	2	2	2	3	3	3	4	4	2	2	3	3	3	3	3	76
Train all fire responders in fire combat techniques annually	2	6	4	7	3	2	3	2	3	2	2	2	2	3	3	3	4	4	2	2	3	3	3	3	3	76
Ensure that NFPA standards and codes are followed.	2	0	4	7	3	1	3	3	3	2	3	2	2	3	3	3	6	6	2	3	3	3	3	3	3	76
Distribute flood awareness/preparedness info to schools/special needs/local populations	2	6	6	5	3	3	3	1	2	1	2	2	2	3	3	3	4	4	3	3	2	3	3	3	3	75
Develop a plan to distribute wildfire awareness and prevention information	3	6	2	2	3	2	3	2	3	2	3	3	3	3	3	3	6	6	2	3	3	2	2	2	3	75
Work with the DNR to distribute USFS fuels reduction information (Firewise.)	3	6	2	2	3	2	3	2	3	2	3	3	3	3	3	3	6	6	2	3	3	2	2	2	3	75
Maintain contact with the Forestry office that issues daily "fire potential" reports	3	3	2	2	3	2	3	2	3	3	3	3	2	3	3	3	6	6	2	3	3	3	3	3	3	75
Evaluate/maintain 1st responders emergency kits annually	2	3	0	9	3	1	3	3	2	2	2	2	2	3	3	3	6	6	1	3	3	3	3	3	3	74



**City of Columbiana
All Hazards Mitigation Action Plan**

Train 1 st responders and officials on the National Incident Management System (NIMS)	2	3	0	9	3	3	3	2	2	2	2	2	2	3	3	3	4	6	2	3	3	3	3	3	3	74
Train 1 st responders and officials in Emergency Operations Center Ops and the EOP	2	3	0	9	3	3	3	2	2	2	2	2	2	3	3	3	4	6	2	3	3	3	3	3	3	74
Train 1 st responders/officials in performing damage assessments.	2	3	0	9	3	3	3	2	2	2	2	2	2	3	3	3	4	6	2	3	3	3	3	3	3	74
Obtain additional Emergency Operations Center equipment and crisis management software	2	6	4	9	3	2	3	2	1	1	2	2	2	3	3	3	4	2	4	1	3	3	3	3	3	74
Obtain disaster supply kits for schools/special needs facilities	3	3	0	9	2	2	3	2	2	2	3	2	3	3	3	3	6	4	2	2	3	3	3	3	3	74
Obtain NOAA weather radios for schools, government and special needs facilities	3	6	0	8	3	3	3	2	2	1	2	2	2	3	3	3	3	4	4	2	2	3	3	3	3	74
Obtain 1 st responder PPE and supplies for High Wind response	2	6	0	8	3	2	3	1	3	2	3	3	2	3	3	3	4	4	2	2	3	3	3	3	3	74
Develop a debris clearance program that can be utilized citywide	3	0	2	8	3	3	1	1	3	2	3	3	3	3	3	3	6	6	6	3	2	2	1	2	2	74
Train fire 1 st responders to at least the "Awareness and Operations level" under OSHA 1910.120	2	3	4	7	3	2	3	2	3	2	2	2	2	3	3	3	4	4	2	3	3	3	3	3	3	74
Identify Private 1 st responders and contractors to assist in Wildland fire response	2	3	2	2	3	1	3	3	3	3	3	3	2	3	3	3	6	6	2	3	3	3	3	3	3	74
Obtain backup power systems for audible warning devices	3	9	0	9	3	3	2	1	2	1	3	3	3	3	3	3	4	2	2	1	2	2	3	3	3	73
Obtain/distribute interoperable radios for all 1 st responders	2	6	2	9	3	3	3	2	2	1	2	2	2	3	3	3	4	2	2	2	3	3	3	3	3	73
Train 1 st responders on responding to mass casualty events	2	6	0	9	3	2	3	2	2	2	2	2	2	3	3	3	4	4	2	2	3	3	3	3	3	73
Develop redundancy capabilities for 911 services and equipment	2	6	4	9	3	3	3	3	2	2	2	1	2	3	3	3	2	2	2	1	3	3	3	3	3	73
Participate in the NFIP Community Rating System	3	0	0	5	3	2	3	3	3	2	2	2	2	3	3	3	6	6	3	3	3	3	3	3	3	73
Exercise a High Wind event with 1 st responders at least annually	3	6	0	8	3	2	2	2	3	2	3	2	2	3	3	2	4	4	2	2	3	3	3	3	3	73
Train firefighters to obtain for state and national certifications	2	3	4	7	3	2	3	2	3	2	2	2	2	3	3	3	4	4	2	2	3	3	3	3	3	73
Adopt/enforce sprinkler and smoke alarm legislation for commercial/special needs facilities	2	6	4	7	3	2	2	1	2	2	2	2	2	3	3	2	4	4	2	3	3	3	3	3	3	73
Educate school/local/business populations on wildfire fuels reduction	2	6	2	2	3	2	3	2	3	2	3	3	3	3	3	3	6	6	2	3	2	2	2	2	3	73
Obtain and/or expand warning sirens to for all uncovered areas (3 locations)	3	9	0	9	3	3	2	2	3	1	3	3	3	3	3	2	4	2	2	1	2	2	2	2	3	72
Obtain/install an automated wide area rapid notification system.	2	9	4	9	3	3	3	1	1	1	2	1	2	3	3	3	1	1	4	1	3	3	3	3	3	72



**City of Columbiana
All Hazards Mitigation Action Plan**

Obtain signage to direct the public evacuation during hazard events	2	3	0	9	2	2	3	2	2	2	2	2	2	2	3	3	3	3	4	4	4	2	3	3	3	3	3	72
Identify alternative access points for single access neighborhoods	2	3	0	5	3	2	3	3	3	3	2	2	3	3	3	3	4	6	1	3	3	3	3	3	3	3	72	
Acquire signage to indicate water depth at flooding points	2	3	0	5	3	2	3	3	3	3	2	2	3	3	3	3	4	6	1	3	3	3	3	3	3	72		
Train citizens in weather observation in conjunction with the National Weather Service	2	6	0	8	3	2	3	2	2	2	2	2	2	3	3	3	4	4	2	2	3	3	3	3	3	72		
Adopt/enforce housing code legislation to limit number of citizens in substandard housing	2	6	0	7	3	3	2	1	2	1	2	2	2	3	3	2	6	6	1	3	3	3	3	3	3	72		
Obtain smoke detectors and provide free to residents in need.	2	6	2	7	3	2	2	2	2	2	2	2	2	3	3	3	4	4	2	2	3	3	3	3	3	72		
Develop redundancy capabilities for emergency radio communications	2	3	4	9	3	2	3	1	2	1	1	2	2	3	3	3	4	2	4	2	3	3	3	3	3	71		
Obtain and maintain NFIP FIRMS to identify jurisdiction flood prone areas	2	3	4	5	3	2	3	2	2	2	2	2	2	3	3	3	4	4	2	3	3	3	3	3	3	71		
Develop a plan to provide weather radios to low income residents	2	6	0	8	3	2	3	2	2	1	2	2	2	3	3	3	4	4	2	2	3	3	3	3	3	71		
Maintain contact with state and federal agencies regarding biological and disease threats.	2	6	0	5	3	3	3	3	3	3	2	1	2	3	3	3	2	3	3	3	3	3	3	3	3	71		
Adopt/enforce wildfire legislation that includes burning bans	2	6	2	2	3	3	2	1	3	1	3	3	2	3	3	2	4	6	2	3	3	3	3	3	3	71		
Exercise 1 st responder and hospital Mass Casualty plans regularly.	2	6	0	9	3	2	2	2	2	2	2	2	2	3	3	3	4	4	2	2	2	2	3	3	3	70		
Adopt/enforce mobile home legislation to restrict development of lots within the flood plain.	2	6	4	5	3	3	3	1	3	1	2	2	2	3	3	2	4	4	3	3	2	2	2	2	3	70		
Identify roadways, culverts and bridges damaged by flooding	3	0	2	5	3	2	3	2	2	2	2	2	2	3	3	3	6	6	1	3	3	3	3	3	3	70		
Update City Land Use Plan to identify areas where development should be restrictive	2	3	6	5	3	2	2	3	2	2	2	2	1	3	3	1	4	4	2	3	3	3	3	3	3	70		
Educate developers, builders and the public on the location of NFIP designated flood plains	2	3	4	5	3	2	3	2	2	2	2	2	2	3	3	3	4	6	2	3	2	2	2	2	3	69		
Obtain/Install barriers to block flooding roadways and bridges (Barricades, cones)	2	6	2	5	3	2	2	2	2	2	2	2	2	3	3	3	4	4	1	2	3	3	3	3	3	69		
Obtain funds for critical government departments to develop Continuity of Operations Plans	2	0	2	9	3	3	3	2	1	2	1	1	2	3	3	3	4	4	4	1	3	3	3	3	3	68		
Obtain a fire education-training trailer for the jurisdiction.	2	6	4	7	3	3	3	2	1	2	2	1	2	3	3	3	2	1	2	1	3	3	3	3	3	68		
Obtain fire equipment to combat fires where water hydrants are nonexistent	2	6	2	7	3	3	2	3	1	1	1	1	2	3	3	3	4	2	3	1	3	3	3	3	3	68		



**City of Columbiana
All Hazards Mitigation Action Plan**

Train fire 1 st responders in Wildland fire response techniques	2	6	2	2	3	2	3	2	2	2	2	2	2	2	3	3	3	4	4	2	2	3	3	3	3	3	68
Adopt/enforce an NFIP flood plain management plan	2	0	4	5	3	3	2	1	2	1	2	2	1	3	3	2	4	6	3	3	3	3	3	3	3	3	67
Adopt/enforce floodplain legislation to require structures be built above the NFIP BSE	2	3	6	5	3	3	2	1	2	1	1	1	2	3	3	2	4	6	3	3	2	2	2	2	2	3	67
Obtain funding to build mobile home community storm shelters	2	6	0	8	3	3	2	2	1	2	2	2	2	3	3	2	4	2	2	1	3	3	3	3	3	3	67
Obtain DNR compatible radios for interoperable communications.	2	6	2	2	3	2	2	2	2	2	2	2	2	3	3	3	4	4	2	2	3	3	3	3	3	3	67
Acquire and install six inch water mains/hydrants city wide	2	9	6	7	3	3	1	1	1	2	2	1	2	3	3	2	2	2	2	1	2	2	2	2	2	3	66
Educate builders, developers and the public on the National Flood Insurance Program (NFIP)	2	0	2	5	3	2	3	2	2	2	2	2	2	3	3	3	4	6	2	3	2	2	2	2	2	3	64
Develop a storm water management plan for the jurisdiction	2	3	2	5	3	2	2	2	2	2	2	2	2	3	3	3	4	4	2	3	2	2	2	2	2	3	64
Exercise fire response regularly for residences, businesses and industry	2	6	2	2	3	2	2	2	2	2	2	2	2	3	3	2	4	4	2	2	3	3	2	2	2	3	64
Adopt/enforce land use flood plain wetlands and watershed zoning	2	3	4	5	3	3	2	1	2	1	2	1	1	3	3	2	4	4	3	3	2	2	2	2	2	3	63
Adopt/enforce storm water legislation to reduce runoff from developments.	2	0	2	5	3	3	2	1	2	1	2	2	2	3	3	2	4	6	3	3	2	2	2	2	3	3	63
Obtain specialized equipment to combat Wildland fires.	2	6	2	2	3	3	2	3	1	1	1	1	2	3	3	3	4	2	3	1	3	3	3	3	3	3	63
Obtain equipment to build water flow and water retention areas to mitigate flooding	2	6	6	5	3	3	1	1	1	1	2	2	2	3	3	2	2	2	2	1	2	2	2	2	2	3	61
Obtain supplies and materials needed to vaccinate and prophylax 1 st responders	2	3	0	5	3	2	2	2	2	2	2	2	2	3	3	2	4	4	2	2	3	2	2	2	2	3	61
Install/replace/maintain culverts ditches and bridges to reduce storm water flooding	2	6	4	5	3	3	1	1	1	1	2	2	2	3	3	2	2	2	2	1	2	2	2	2	2	3	59
Obtain equipment to mitigate bridge, culverts, and roadway flooding	2	6	4	5	3	3	1	1	1	1	2	2	2	3	3	2	2	2	2	1	2	2	2	2	2	3	59
Adopt/enforce tie down and skirting legislation for mobile homes and mobile home parks	2	6	4		3	3	3	1	3	1	2	3	2	3	3	2	4	4	2	3	3	3	3	3	3	3	57
Adopt/enforce legislation to control construction standards of mobile homes moved into the city.	2	6	2		3	3	3	1	3	1	2	2	2	3	3	2	4	4	2	3	3	3	3	3	3	3	56