

City of Tuscaloosa Mitigation Action Plan Update 2022

Goal Number	Action Description	Lead Agency	Funding Source	Priority/Status	Benefit/Cost Score
1.5	Mark and catalog depths of flooding and storm surge events and maintain data for historical records in GIS	Engineering Department	Existing Funds	High	High
	2022 Update: Efforts are being made to better utilize and record gauge data with cooperation from Geological Survey of Alabama and other entities.				
1.6	Perform planning and engineering studies for sub basins in critical flood hazard areas to identify actions to address flooding	Engineering Department	Existing Funds	Ongoing	Ongoing
	2022 Update: This effort is ongoing				
1.7	Identify needed upgrades to elevation and culvert sizing of existing roadways in flood-prone areas and develop a program for construction improvements	Engineering Department	Existing Funds	Medium	Moderate
	2022 Update: This effort is ongoing although no formal program is in place. Areas of poor drainage and flooding has been inventoried and are being analyzed and addressed as funding is made available.				
1.8	Map and assess existing fire hydrants and identify areas in need of new fire hydrants	Logistics and Asset Management, Fire Department	Existing Funds	Low	High
	2022 Update: Logistics and Asset Management maintain GIS data on hydrant and water utility locations. Further analysis on hydrant needs should be conducted				
1.9	Identify flood prone areas; conduct engineering studies, and construct drainage improvements to reduce flood damages	Engineering Department	TBD	Medium	Low
	2022 Update: This effort is ongoing, with several areas having been analyzed and studied over the past year.				
1.11	Enact large lot size restriction in flood prone areas designated on Flood Insurance Rate Maps	Planning and Zoning	Existing Funds	Ongoing	Moderate
	2022 Update: This effort is ongoing				
1.12	Evaluate additional land use restrictions within designated flood zones, such as prohibition of storage of buoyant materials, storage of hazardous materials, restrictive development of flood ways	Engineering Department, Building Inspection	Existing Funds	Ongoing	High
	2022 Update: This effort is ongoing and accomplished with coordination from multiple City departments				
1.13	Require flood plain fringe, floodways, and wetlands be identified on all plans submitted with a permit for development within a flood plain	Engineering Department, Building Inspection	Existing Funds	Ongoing	High
	2022 Update: This effort is ongoing				

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1.15	Adopt policy to prioritize the acquisition and development of open space areas for recreation, landscaping, and drainage control	Planning and Zoning, Engineering Department	Existing Funds	Medium	High
	2022 Update: No formal policy has been implemented via code or ordinance, but efforts are being made to identify and acquire areas, especially within the SFHA, in regard to recreation, landscaping, and drainage control				
1.16	Train and certify local flood plain managers through programs offered by the State Flood Plain Coordinator and FEMA	Engineering Department	Existing Funds	Ongoing	High
	2022 Update: This effort is ongoing				
1.17	Develop a library of guidance materials to assist local floodplain managers	Engineering Department	Existing Funds	Ongoing	High
	2022 Update: This effort is ongoing				
1.18	Maintain membership of local flood plain managers in the Association of State Flood Plain Managers and the Alabama Association of Flood Plain Managers; encourage active participation	Engineering Department	Existing Funds	Ongoing	High
	2022 Update: This effort is ongoing				
1.19	Participate in the "Turn Around Don't Drown" program; acquire and place signs at bridge and overpass locations know to flood	Council, Engineering Department	Existing Funds	Ongoing	High
	2022 Update: This effort is ongoing and being accomplished with coordination from Tuscaloosa County, adjacent communities, EMA, police, fire, etc.				
1.20	Improve flood risk assessments by providing post-event high water mark readings, verification of FEMA's repetitive loss inventory, and other data as identified	Engineering Department	Existing Funds	Ongoing	High
	2022 Update: This effort is ongoing				
1.21	Promote construction best management practices and apply code enforcement to reduce and mitigate structural failures from hazard events	Engineering Department, Building Inspection	Existing Funds	Ongoing	High
	2022 Update: This effort is ongoing and being addressed in multiple ways by practices implemented in our Stormwater Management Plan				
1.26	Adopt subdivision regulations that require adequate stormwater infrastructure design and construction	Planning and Zoning, Engineering Department, Council	Existing Funds	Ongoing	High
	2022 Update: This effort is ongoing				
1.27	Encourage and support legislation to establish a State dam safety program	Council, Engineering Department	Existing Funds	Low	High
	2022 Update: City staff are engaged with state organizations pursuing this goal and participating in the conversation and efforts for dam safety				

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1.28	As feasible, apply for/maintain membership in the CRS program. Seek to upgrade rating where possible	Engineering Department	Existing Funds	Ongoing	High
	2022 Update: This effort is ongoing				
1.31	Promote use of green infrastructure methods to encourage and manage natural infiltration of rainwater	Engineering Department, Council	Existing Funds	Ongoing	Moderate
	2022 Update: City of Tuscaloosa Land Development and Stormwater Phase II code/ordinances address this goal and are being maintained				
1.32	Promote the adoption/enforcement of stormwater management regulation that, at a minimum, maintain pre-development runoff rates	Engineering Department, Council	Existing Funds	Ongoing	High
	2022 Update: City of Tuscaloosa Land Development Code addresses this practice and is being maintained				
2.0	Elevate prioritized Pre-FIRM buildings in flood prone areas where acquisition or relocation is not feasible	Engineering Department	FEMA HMA Grant	Medium	Moderate
	2022 Update: HMA grant opportunities are being explored by City staff in Accounting and Finance				
2.1	Repair, elevate and weatherize existing homes for low to moderate income families	Building Inspection	FEMA HMA Grant	Medium	Moderate
	2022 Update: HMA grant opportunities are being explored by City staff in Accounting and Finance				
2.2	Where feasible, flood proof pre-FIRM non-residential buildings	Engineering Department	FEMA HMA Grant	Medium	Moderate
	2022 Update: no new updates for this activity. HMA grant opportunities are being explored by City staff in Accounting and Finance				
2.4	Encourage property owners and renters to purchase insurance coverage for flood damages when located in high-risk areas	Engineering Department, Council	Existing Funds	Ongoing	High
	2022 Update: Materials made available to the public encourage this practice and educate the public on insurance. The City also regularly discusses the benefits of insurance when calls are received from property owners in the SFHA or other known areas of poor drainage/flooding				
2.7	Develop and maintain a prioritized list of acquisition mitigation projects based on repetitive loss claims paid	Engineering Department	FEMA HMA Grant	Ongoing	Moderate
	2022 Update: City is attempting to coordinate with FEMA on claim data to further pursue this effort				
3	Increase open space acquisitions and other flood plain acquisition efforts	Engineering Department	FEMA HMA Grant	Ongoing	Moderate
	2022 Update: The City is actively seeking out properties within the SFHA to acquire and preserve as open space				

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3.1	Ensure builders and developers follow Federal wetlands permitting requirements of the Corps of Engineers	Engineering Department	FEMA HMA Grant	Medium	High
	2022 Update: Ongoing effort				
3.2	Enact and/or enforce regulations prohibiting littering and dumping within stream and river corridors	Engineering Department, Environmental Services	FEMA HMA Grant	Medium	High
	2022 Update: HMA grant opportunities are being explored by City staff in Accounting and Finance				
3.3	Promote use of Best Management Practices (BMP); encourage use of technical assistance from the Alabama Cooperative Extension System	Engineering Department	Existing Funds	Low	High
	2022 Update: This activity is ongoing in regard to BMP's for construction site management. More efforts will be made to coordinate with ACES.				
4	Develop and Implement guidelines and standard operating procedures for drainage system maintenance	Engineering Department	Existing Funds	Medium	Moderate
	2022 Update: Some maintenance is already being performed on a scheduled basis, with the City making efforts to move others maintenance efforts into a scheduled/SOP approach.				
4.1	Install drainage improvements in identified problem drainage areas to reduce or eliminate localized flooding	Engineering Department	FEMA HMA Grant, Existing Funds	Medium	Low
	2022 Update: The City maintains a list of known drainage issues and has begun to allocate funding the address these issues. Several drainage issues have been resolved over the past year.				
5.3	Use electronic billboards and DOT message boards to inform citizens of weather warning and evacuation procedures	Council, ALDOT, EMA, City Departments	Existing Funds	Ongoing	Moderate
	2022 Update: Practice is ongoing and accomplished with coordination from City, adjacent communities, EMA, police, fire, etc.				
6	Increase access and use of FIRM information by real estate agents, builders, developers, and homeowners through announcements in local trade publications and newspapers	Council, Engineering Department	Existing Funds	Ongoing	High
	2022 Update: The City is coordinating with local realty groups to distribute FIRM and other flood related information				
6.1	Participate in public awareness events such as City/County Day, Hurricane Awareness Week, and Severe Weather Week	City Departments	Existing Funds	Ongoing	Moderate
	2022 Update: This activity is ongoing, with EMA, fire, and police being engaged				
6.2	Conduct outreach activities to residents using multiple media platforms or workshops to implement hazard mitigation measures in the home	City Departments	Existing Funds	Ongoing	Moderate

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	2022 Update: The City makes available to the public information related to hazard mitigation at home via brochures and flyers posted in set locations. Additionally, the City's social media pages keep residents informed on incoming disasters and hazards.				
6.3	Promote and increase disaster resilience for local businesses through workshops, educational materials and planning guides	City Departments	Existing Funds	Ongoing	Moderate
	2022 Update: The City maintains a list of entities with business licenses and periodically distributes educational materials to these entities related to FOG, stormwater, and best management practices.				
6.4	Distribute hazard mitigation resources and brochures to students through area schools	Engineering Department, Public Library	Existing Funds	Ongoing	Moderate
	2022 Update: The City continues to distribute hazard mitigation information to the general public and is coordinating efforts with the University of Alabama to specifically target students in education and outreach.				
6.7	Ensure the public is informed of hazard threats and mitigation measures to reduce damages and loss of life through local social media outlets	Police/Fire Departments, Council	Existing Funds	High	Moderate
	2022 Update: City of Tuscaloosa, EMA, and Police and Fire social media outlets regularly inform the public of hazardous events and weather and what precautions should be taken				