

SECTION 4

Local Natural Hazard Mitigation Goals & Objectives and Overall Community Mitigation Goals, Policies, and Value Narrative

Summary of Plan Updates

Section		Change
Sec 4	Natural Hazard Mitigation Goals and Objectives and Overall Community Mitigation Goals, Policies, and Value Narrative	Updated
Sec 4	Previous Hazard Mitigation Accomplishments 2010	Updated Mitigation Accomplishments
Sec 4	Entire Section	Updated the Status, Cost, Responsible and Coordination Organization of each Action
Sec 4	Entire Section	Added Additional Mitigation Actions by Jurisdiction
Sec 4	Entire Section	Updated the Priority of Each Mitigation Action
Sec 4, III	Emerging Threats	Deleted Section on Emerging Threats

Natural Hazard Mitigation Goals, Objectives and Actions

As a result of the approval of the Disaster Mitigation Plan dated September 2010, Fayette County and its municipal partners have utilized the plan to prioritize mitigation projects with the overall goal of minimizing or eliminating hazards in our community. Listed in this section are post 2010 successes for comparisons of before the plan was enacted and after. The intent is to accent the overall success of the plan and the commitment to mitigating disasters in our community.

The foundation of this plan is the identification of strategies through which Fayette County, Peachtree City, Fayetteville, Tyrone, Brooks, and Woolsey will implement natural hazard mitigation goals, objectives, and actions that address existing and future building infrastructure. As identified in Section 2, Risk Assessment the Hazard Mitigation Planning Committee has a clear understanding of the community's hazards and risks. These community risks are compatible with the goals of the community as expressed in the comprehensive plan. These goals represent a long-term vision for hazard reduction and or enhancement of mitigation capabilities. The next step is to develop a mitigation strategy. The hazard mitigation goals, objectives and actions in this section are listed as a high, (High- high priority to accomplish with a great mitigation benefit) medium, (Medium-medium priority to accomplish with an average mitigation benefit). Low, (Low priority to accomplish with a low mitigation benefit).

The Hazard Mitigation Committee carefully evaluated existing goals, objectives, and actions to ensure that they were still valid and would be effective. During the 2005, 2015 and 2015 plan, the Fayette County Emergency Management Agency prioritized the mitigation projects was based on what was most repetitive, caused the most damage, what was most easily preventable based on available funding during the plan period of five years. This method of prioritization (repetition of the event, monetary loss, and anticipated costs) proved successfully and will be continued in the plan update with a greater emphasis on each jurisdiction setting their respective priorities.

The planning committee used the capabilities worksheet annex from the FEMA Plan Handbook.

Plans	Yes/No Year
Comprehensive/Master Plan	Yes
Capital Improvements Plan	Yes
Economic Development Plan	
Local Emergency Operations Plan	Yes
Continuity of Operations Plan	
Transportation Plan	
Stormwater Management Plan	Yes
Community Wildfire Protection Plan	
Other special plans (e.g., brownfields redevelopment, disaster recovery, coastal zone management, climate change adaptation)	

Building Code, Permitting, and Inspection	Yes/No	Are codes adequately enforced?
Building Code	Yes	Version/Year: 2012
Building Code Effectiveness Grading Schedule (BCEGS) Score	Yes	Score: 4 Residential and commercial
Fire department ISO rating	Yes	Rating: 4/8
Site plan review requirements	Yes	

Land Use Planning and Ordinances	Yes/No Year
Zoning ordinance	Yes
Subdivision ordinance	Yes
Floodplain ordinance	Yes
Natural hazard specific ordinance (stormwater, steep slope, wildfire)	Yes
Flood insurance rate maps	Yes
Acquisition of land for open space and public recreation uses	Yes
Other	

How can these capabilities be expanded and improved to reduce risk?

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Previous Hazard Mitigation Accomplishments 2010

The 2010 Mitigation Plan prioritization method proved successful as evident by the completed goals and action steps listed in the plan. The 2015 plan will build upon those successes to further mitigate the effects of both natural and technological disasters. Fayette County has made previous efforts to mitigate hazards in our community. Some have been significant and have been beneficial to reducing loss of life and property from disasters throughout Fayette County. Among them are:

- * Implemented a severe weather warning system in all manufactured housing communities.
- * Increased the elevation for building structure near a flood plain.
- * Changed and updated building codes to higher standards.
- * Recertified as a National Weather Service “Storm Ready Community”
- * Implemented a storm water management plan.
- * Improved communications with homes being constructed beneath Cat I dams
- * Strict enforcement of land use plans.
- * All communities in Fayette County are participants in the National Flood Insurance Program.
- * Again rated by the National Flood Insurance Programs Community Rating System with a rating of 6. (See Section 14, Appendix G NFIP Community Rating System Class 6 Confirmation Letter National Flood Insurance Rating Documentation).
- * Fayette County, Peachtree City, Fayetteville, Tyrone, Brooks, and Woolsey have adopted and are currently implement Post-Development Environmental Management Services. Regulations requiring channel protection in both redevelopment and new development areas.
- * Fayette County, Peachtree City, Fayetteville, Tyrone amended their Floodplain Management Ordinances that limits development and filling in Areas of Special Flood Hazards and assigns stricter standards for further encroachments in both the present and future conditions floodplain and floodway.

Hazard Mitigation Accomplishments Post 2010

Accomplished Flood Mitigation Action

- * Fayette County has been rated a 6 once again under the Community Rating System.
- * Implemented a corrective action plan for the reductions of repetitive flooding in the Ginger Cake Creek drainage basin and the repair of the Pye Lake Dam (Repetitive Flooding Eliminated)
- * Complied with the Metropolitan North Georgia Water Planning District storm water management ordinances and possible implementation of the Model Flood Plain and Flood Damage and Prevention Ordinance. **COMPLETED**
- * Update the FEMA flood map for Fayette County and its cities so as to accurately map the actual floodplain and problem areas not already on the FEMA maps and map the future-conditions floodplain. Identifying future conditions flood prone areas based on the build out of the Land use Plan in 2022 identifies problem areas not identified on FEMA FIRM maps currently. **COMPLETED**
- * Implement a field survey study to determine which roads are subject to flooding during the 100-year storm event in unincorporated Fayette County, Brooks, and Woolsey. **COMPLETED**
- * Implement GIS mitigation information, maps and technology on fire and emergency management vehicles so that data can be readily available in the field and so that more accurate, timely assessments and future mitigation planning activities and documentation can be performed. **COMPLETED**
- * Snead Road – Replace existing CMP on unnamed tributary with twin box culverts. This cross drain is occasionally flooded during large rain events and water overtops the road, thus restricting access or making it completely impassible. Snead Road is a County Local. **COMPLETED**
- * Kirkley Road – Replace double 84-in CMPs on Trickum Creek with concrete box culverts. The metal pipes are showing signs of structural failure by significant top deflection. This could be due to installation damage or excessive loading. Kirkley Road is a minor collector. **COMPLETED**
- * Unincorporated Fayette County has identified a Beaver trapping and dam removal project to control flooding over Flat Creek Trail. Beaver have established dams on a 2,000 ft. conservation easement that was deeded to Fayette County in 2005 along a 50 ft. buffer of Sandy Creek. **COMPLETED**
- * Unincorporated Fayette County has identified a pipe-replacement project to control flooding over at 1105 Brittany Way Road in Fayetteville, Ga. Basements at both 500 Avalon Drive and 1105 Brittany Way repeatedly flood during 2-yr storm events due to incorrect sizing of pipes under Brittany Way. **COMPLETED**
- * The City of Fayetteville has identified a storm drain project at Deep Forest Lane to reduce or eliminate storm water flooding in the area. **COMPLETED**
- * Prevent reoccurring flooding of Kedron Drive and other areas along Flat Creek by rehabilitation the East and West Kedron Detention ponds. **COMPLETED**
- * Prevent downstream Flooding of residence and other areas through the rehabilitation of the Rockspray Detention pond. **COMPLETED**

Accomplished Tornado Actions

- * Increased the number of outdoor warning sirens in high risk and vulnerable populations (**Seven Additional Sirens Were Added**)
- * Equipped all county and city recreation parks with adequate early severe weather warning devices and lightning detection devices. (**80% of all Outdoor Facilities now have Warning Capabilities**)
- * Increase enforcement of requiring enhanced anchoring of manufactured homes.
COMPLETED AND CONTINUING
- * Install a weather-warning siren on the west side of the Town of Tyrone
COMPLETED

Accomplished Winter Storm Actions

- * Developed and implement an education and preparedness strategy such as a Citizens Emergency Response Team (CERT) in an effort to reduce the effects of winter storms on our citizenry. (**Fayette County CERT Team now has 300 members**)
- * Develop and implement an education and preparedness strategy such as a Citizens Emergency Response Team (CERT) in an effort to reduce the effects of winter storms on our citizenry.
COMPLETED AND ONGOING WITH THE FORMATION OF A FAITH BASED DISASTER NETWORK

Accomplished Drought Actions

- * Developed a public awareness campaign to promote water-saving campaigns such as low-flow water saving devices in toilets. (**All government facilities have been retrofitted with some type of water saving devices**)
- * Stricter enforcement of the countywide outdoor burning ban from May through October to prevent wild land fires. (**Increased the number of Citations issued**)
- * Increased capacity of raw water to ensure adequate water supplies during times of drought.
- * **Completion** of Lake McIntosh reservoir that will increase raw water storage capacity.
- * Increase capacity of raw water to ensure adequate water supplies during times of drought.
COMPLETED NEW LAKE MCINTOSH RESERVOIR

Accomplished All Hazard Actions

- * Developed a plan for the construction and implementation of safe and sustainable Emergency Operation Center. (Plans are now being drawn for completion of this goal)
- * Developed a plan and strategy for the reduction of water levels of Category I dams prior to tropical storms in an effort to reduce the potential for a dam breach. (**Lake and Ponds with Potential Flood Hazards have Been Identified**)
- * Develop a Community Emergency Response Team (CERT) program.
COMPLETED IN PEACHTREE CITY

- * Conduct public education and awareness campaigns targeting nursing homes regarding the development and testing of emergency plans to include possibility of complete evacuation of facility. **COMPLETED AND ONGOING**
- * Fayette County has constructed and implemented a safe and sustainable Emergency Operation Center. **COMPLETED**

Accomplished Technological Hazard Mitigation Actions

- * Conducted a hazardous materials exercise. **(Several have been conducted using multijurisdictional capabilities)**
- * Purchased additional hazardous materials response equipment necessary to sustain hazardous materials response operations as well as for new chemicals entering the community. **(Fayette County has secured more than \$100,000 for additional hazmat response and mitigation equipment since plan inception)**
- * Worked with and encourage industry to reduce chemical inventories at fixed facilities. **(There has been a significant reduction in chlorine as a result this established goal)**

I. Flooding

Mitigation Goals – As noted in Section 2, Section I, flooding has caused significant damage throughout the years in Fayette County. Previously noted in the 2005 mitigation plan were three major locations throughout the county where localized flooding is a problem during heavy rains. Two of these sites have since been mitigated. A recent 500-year flooding event that occurred in North Georgia during September 2009 killing 10 people, most while driving onto roads covered by moving water demonstrates that a wider expanse of mitigation strategies should be consideration. Bridge and culvert capacity must be evaluated to determine if an effective emergency response road network can be maintained during both the present and future-conditions 50, 75, and the 100 year storm events. Mitigation strategies that reduce the negative effects of flooding should be considered. All jurisdictions in Fayette County participate in the National Flood Insurance Program and are listed by community numbers below.

National Flood Insurance Program

Communities Numbers by Jurisdiction

Community Name	Community Number
Brooks, Town of	130430
Fayette County (Unincorporated Areas)	130432
Fayetteville, City of	130431
Peachtree City, City of	130078
Tyrone, Town of	130493
Woolsey, Town of	130539

Range of Mitigation Options – The mitigation options to reduce the effects of flooding in Fayette County include continual updates of policies and procedures, identification of areas of flooding impacting emergency response, enhanced data collection, and efforts to reduce localized flooding.

Mitigation Strategies for Flooding

Mitigation Goal # 1 – *“To minimize the losses of life and property due to flooding in Fayette County”*

Objective #1 – To protect the residents and reduce damage to property from the effects of flooding in Fayette County.

Action Steps:

1. *Develop a strategy for the reduction of flooding in the Tinsley Mill Condominium Complex*

IN PROGRESS

Responsible Organization	Peachtree City Engineering
Coordinating Organization	Peachtree City Engineering
Timeline	2015-2020
Approximate Cost	\$1,250,000
Funding Sources	Mitigation Grants, Private Funds
Priority	High
Status	Deferred

2. *To acquire flood prone property in Fayette County, Peachtree City, Fayetteville and Tyrone.*

ONGOING - NFIP Requirement

Responsible Organization	Fayette County, Peachtree City, Fayetteville, Tyrone, Environmental Management Services
Coordinating Organization	Fayette County EMA
Timeline	2010 – 2015-2017
Approximate Cost	\$3,000,000
Funding Sources	Federal, state grants, local funds
Priority	High
Status	New
Building & Infrastructure	Existing

3. *Implement a corrective action plan to upgrade Camp Creek culverts under Redwine Road. Field run survey shows Camp Creek overtops Redwine Road during a 100 yr. storm-event by the year 2012 restricting emergency vehicle response on a major arterial road.*

NOT COMPLETED

Responsible Organization	Environmental Management Services
Coordinating Organization	Fayette County
Timeline	2011-2016
Approximate Cost	\$50,000
Funding Sources	Federal, state or local grants
Priority	High
Status	New
Building & Infrastructure	Existing

4. *Implement a corrective action plan to upgrade/remove mobile home wastewater treatment systems located within the Areas of Special Flood Hazard on both Morning and Whitewater Creeks.*

NOT COMPLETE

Responsible Organization	Environmental Management Services
Coordinating Organization	Fayette County
Timeline	2011-2017
Approximate Cost	\$50,000
Funding Sources	Federal, state or local grants
Priority	High
Status	New
Building & Infrastructure	Existing

5. *Dredge portion of Starr's Mill pond to help reduce flooding at historic Starr's Mill and improve flow of water to the raw water pump station that provides water to the Crosstown Water Treatment Plant.*

NOT COMPLETED

Responsible Organization	Fayette County Water System
Coordinating Organization	Fayette County
Timeline	Current – 2015 2017
Approximate Cost	\$1,850,000.00
Funding Sources	Water System
Priority	High
Status	New
Building & Infrastructure	Existing

6. *Enforcement of floodplain management requirements, including regulating new construction in special Flood Hazard.*

ONGOING - NFIP Requirement

Responsible Organization	Environmental Management
Coordinating Organization	All Jurisdictions
Timeline	Ongoing
Approximate Cost	Unknown
Funding Sources	Local Tax Digest
Priority	High
Status	Ongoing
Building & Infrastructure	Existing

7. *Roberts Road – Install adequate culverts beneath Roberts Road. Currently a steady stream of water flows across the surface of the gravel road. Significant grading work would be required to establish proper drainage patterns. Roberts Road is a Collector that provides connectivity between State Routes 85 and 314.*

NOT COMPLETED

Responsible Organization	Road Departments
Coordinating Organization	Fayette County
Timeline	2011 – 2013 2017
Approximate Cost	\$200,000
Funding Sources	Federal, state or local grants
Priority	High
Status	New
Building & Infrastructure	New

8. *West McIntosh Road Bridge Replacement – Replace existing bridge over the Flint River. This structure has a sufficiency rating of 9.19 and is susceptible to significant damage in a large flow event. The bridge serves as a connection point between Fayette and Spalding Counties. West McIntosh Road is a Collector.*

IN PROGRESS

Responsible Organization	Fayette and Spalding Counties Road Departments
Coordinating Organization	Fayette County
Timeline	2010 – 2012 -2017
Approximate Cost	\$3,200,000
Funding Sources	Federal, state or local grants
Priority	High
Status	New
Building & Infrastructure	Existing

9. *Emerald Lake Dam – Repair and/or replace existing drain pipes and stabilize eroding areas below and around the structure’s primary drain pipes. Emerald Lake Drive runs on top of the dam structure and is the only means of ingress/egress for over 90 homes in the subdivision.*

IN PROGRESS

Responsible Organization	Road Department
Coordinating Organization	Fayette County
Timeline	2010 2016
Approximate Cost	\$50,000
Funding Sources	Federal, state or local grants
Priority	High
Status	New
Building & Infrastructure	Existing

10. *Rising Star Road – Replace existing 6-ft. diameter CMP on unnamed tributary to Haddock Creek with concrete pipe or box culverts. Rising Star Road is a collector and an important thoroughfare for emergency response services.*

NOT COMPLETED

Responsible Organization	Road Department
Coordinating Organization	Fayette County
Timeline	2011 – 2014-2017
Approximate Cost	\$150,000
Funding Sources	Federal, state or local grants
Priority	High
Status	New
Building & Infrastructure	Existing

11. *Dogwood Trail – Replace twin 8-ft diameter CMPs on Flat Creek. The metal pipes have significant deterioration and are susceptible to seepage erosion and/or washout in a large flood event. Dogwood Trail is a Collector.*

NOT COMPLETED

Responsible Organization	Road Department
Coordinating Organization	Fayette County
Timeline	2011 – 2014 2017
Approximate Cost	\$75,000
Funding Sources	Federal, state or local grants
Priority	Medium
Status	New
Building & Infrastructure	Existing

12. *Silver Leaf Drive – Replace existing culvert on unnamed tributary. The CMP has significant deterioration and is susceptible to seepage erosion and/or washout in a large flood event. The headwall condition at the outlet is in poor condition and show signs of upstream erosion around the pipe. Silver Leaf Drive is an Internal Local.*

NOT COMPLETED

Responsible Organization	Road Department
Coordinating Organization	Fayette County
Timeline	2011 – 2014-2017
Approximate Cost	\$50,000
Funding Sources	Federal, state or local grants
Priority	Medium
Status	New
Building & Infrastructure	Existing

13. *Darren Drive – Replace triple 6-ft diameter CMPs on Shoal Creek with concrete pipes or box culverts. The metal pipes have significant deterioration and are susceptible to seepage erosion and/or washout in a large flood event. Darren Drive is a dead- end Internal Local and thus is the only mean of ingress/egress for properties south of the creek crossing.*

NOT COMPLETED

Responsible Organization	Road Department
Coordinating Organization	Fayette County
Timeline	2011 – 2014-2017
Approximate Cost	\$75,000
Funding Sources	Federal, state or local grants
Priority	Medium
Status	New
Building & Infrastructure	Existing

14. *Unincorporated Fayette County has identified a pipe replacement project to control flooding over the road at 330 Oak Street in Fayetteville, GA. Currently, Oak Street and the basement at 330 Oak Street floods during storm events greater than the 2-year rain event.*

IN PROGRESS

Coordinating Organization	Fayette County
Timeline	2010- 2014-2016
Approximate Cost	\$150,000
Responsible Organization	Fayette County
Funding	Mitigation Grants/Private Funding
Priority	High
Status	New
Building & Infrastructure	Existing

- 15 *Antebellum Way – This is a project to replace the existing, twin, 84-inch diameter corrugated metals pipes under Antebellum Way. Antebellum Way is an internal, local County road within the Jeff Davis Plantation Subdivision. It is the only means of ingress and egress for approximately 60 homes. The pipes are undersized and there is a history of flooding upstream of the road. Most recently, in December 2015 backwater inundated several yards and was within a few feet (or less) of entering a home and overtopping the road. Floodplain modeling confirms the need for additional capacity at this location. Structurally, the pipes are in fair condition except for the inlet ends which were damaged during the December 2015 floods and previous storms.*

Scour and/or seepage erosion experienced in December 2015 make this system more susceptible to future damage and failure in addition to the capacity needs. Public Works plans to upgrade the system to larger pipe or box culverts. The new system will be reinforced concrete and have headwalls at inlet and outlet, per County codes and standards.

NOT COMPLETED

Responsible Organization	Public Works
Coordinating Organization	Fayette County
Timeline	2016-2018
Approximate Cost	\$777,000
Funding Sources	Local Stormwater Util. /Grants
Priority	High
Status	In Design
Building & Infrastructure	Existing

Unincorporated Fayette County Flood Mitigation Projects 2015-2020

1. Fayette County Lawson Lane. Undersized pipes in Northridge Subdivision results in flooding of road and homes. Project replaces existing pipe and adds additional drainage structures.

Responsible Organization	Environmental Management Services
Coordinating Organization	Fayette County Public Works
Timeline	2015-2020
Approximate Cost	\$50,000
Funding Sources	Stormwater Utility

2. Fayette County Oak Street. Undersized pipe results in road flooding at 330 Oak Street. Replace current pipe with larger system to reduce flooding of road and private property.

Responsible Organization	Environmental Management Services
Coordinating Organization	Fayette County Public Works
Timeline	2015-2020
Approximate Cost	\$65,000
Funding Sources	Stormwater Utility

3. Fayette County Morning Dove Drive. Located on a one way in/out street serving 15 homes in the Quail Hollow subdivision within Fayette County Right-of-Way. Floods during intense rainfall events. The project includes evaluation, design, permitting, and construction of replacing undersized pipes with double box concrete culverts.

Responsible Organization	Fayette County Stormwater Utility
Coordinating Organization	Fayette County Public Works
Timeline	2016-2018
Approximate Cost	\$245,1000
Funding Sources	Stormwater Utility Fund

4. Fayette County Callaway Road. Located within Fayette County Right-of-Way. Floods during moderately intense rainfall events (5-10 year events.) The project includes evaluation, design, permitting, and construction of replacing undersized pipes with double box concrete culverts.

Responsible Organization	Environmental Management Services
Coordinating Organization	Fayette County Public Works
Timeline	2017-2019
Approximate Cost	\$407,000
Funding Sources	Stormwater Utility Fund

Flood Mitigation Goals and Objectives 2015-2020 for the City of Fayetteville

1. *The City of Fayetteville has identified a mitigation need to upgrade street culverts at the intersection of Jefferson Ave. and Hillsdale Dr. to mitigate damage to road infrastructure during high rain events.*

IN PROGRESS

Responsible Organization	Fayetteville Engineering
Coordinating Organization	Fayetteville Engineering
Timeline	2010-2018
Approximate Cost	\$700,000
Responsible Organization	Fayetteville Engineering
Funding	Mitigation grants
Priority	High
Status	New
Building & Infrastructure	Existing

2. *The City of Fayetteville has identified the need for dredging of Pye Lake in an effort to increase holding capabilities and increase flood control.*

Responsible Organization	Fayetteville Engineering
Coordinating Organization	Fayetteville Engineering
Timeline	2016-2020
Approximate Cost	\$1,000,000
Responsible Organization	Fayetteville Engineering
Funding	Mitigation Grants/Utility Fees
Priority	High
Status	New
Building & Infrastructure	Existing

3. *The City of Fayetteville has identified a mitigation project to waterproof homes in areas of the city that collect water and moisture problems for residents.*

Coordinating Organization	City of Fayetteville
Timeline	2015-2019
Approximate Cost	\$200,000
Responsible Organization	Homeowners
Funding	Mitigation Grants
Priority	Medium
Status	New
Building & Infrastructure	Existing

4. *The City of Fayetteville has identified a flood and drainage project at the Stonewall Apartments in Fayetteville that will improve drainage and mitigate potential flooding in the apartments*

Coordinating Organization	Property Owner
Timeline	2015-2019
Approximate Cost	\$100,000
Responsible Organization	Homeowners
Funding	Mitigation Grants/Private Funding
Priority	Low
Status	New
Building & Infrastructure	Existing

5. *The City of Fayetteville has identified a creek bank stabilization project to control erosion along a creek bank and reduce damage to buildings in the area.*

Coordinating Organization	Property Owner
Timeline	2015-2019
Approximate Cost	\$100,000
Responsible Organization	Building Owner
Funding	Mitigation Grants/Private Funding
Priority	Low
Status	New
Building & Infrastructure	Existing

Flood Mitigation Goals and Objectives 2015-2020 for the City of Peachtree City

Mitigation Goal #1 - *“To minimize the losses of life and property due to flooding in Peachtree City”*

Objective #1 - To protect the residents and reduce damage to property from the effects of flooding in Peachtree City.

Action Steps:

1. Replace failing and undersized storm drains under 5 road segments to prevent flooding and road failure during storm events.

Responsible Organization	Peachtree City Stormwater
Coordinating Organization	Peachtree City Stormwater
Timeline	2015-2020
Approximate Cost	\$2 million
Funding Sources	Stormwater Utility / Mitigation Grants
Priority	High
Status	New
Building & Infrastructure	Existing

2. Streambank Stabilization Projects. Within the Lake Peachtree Watershed, there are several streams with eroding banks. Some are affecting structures and some are affecting water quality in Lake Peachtree. Stabilization projects need to be designed and implemented at various points in this watershed.

Responsible Organization	Peachtree City
Coordinating Organization	Peachtree City
Timeline	2017
Approximate Cost	\$1,000,000
Funding Sources	Stormwater Utility Fund

3. Flat Creek Villas Bypass Channel. Undersized and damaged storm water infrastructure in Tinsley Mill causes water to back up into this channel in Flat Creek Villas. Project would consist of creating new channel to route water away from Tinsley Mill storm drains directly to Lake Peachtree. This project would help mitigate flooding in Tinsley Mill and would need to be considered at the same time the Tinsley Mill Village Project is considered and one cannot be done without the other.

Responsible Organization	Peachtree City
Coordinating Organization	Peachtree City Stormwater Utility
Timeline	2015-2020
Approximate Cost	\$200,000
Funding Sources	Stormwater Utility

4. Golfview Stormdrain Improvements. Undersized stormdrains in this subdivision have caused some structural flooding over the years. This project will increase the size of the stormdrains in this area to prevent this and allow for easier access for maintenance.

Responsible Organization	Peachtree City
Coordinating Organization	Peachtree City Stormwater Utility
Timeline	2015
Approximate Cost	\$1,200,000
Funding Sources	Stormwater Utility

5. Harbor Loop Drainage Improvements. Undersized stormdrains in this subdivision have caused some structural flooding over the years. This project will increase the size of the stormdrains in this area to prevent this and allow for easier access for maintenance. An alternative to this project is to purchase the homes and demolish them.

Responsible Organization	Peachtree City
Coordinating Organization	Peachtree City Stormwater Utility
Timeline	2016
Approximate Cost	\$1,500,000
Funding Sources	Stormwater Utility and General Fund

Flood Mitigation Goals and Objectives 2015-2020 for the Town of Tyrone

Mitigation Goal # 1 - *“To minimize the losses of life and property due to flooding in the Town of Tyrone”*

Objective #1 - To protect the residents and reduce damage to property from the effects of flooding in the Town of Tyrone.

1. *Acquire additional barricades for flooded and emergency road closures*

Responsible Organization	Public Works
Coordinating Organization	Tyrone Police Dept.
Timeline	2015-2017
Approximate Cost	\$10,000
Funding Sources	Mitigation Grants/General Fund
Priority	Medium
Status	New
Building & Infrastructure	New

Multi-Jurisdictional Considerations - Flooding events have affected all areas of Fayette County. Fayette County, Peachtree City, Fayetteville, Tyrone, Brooks, and Woolsey participate in flood mitigation activities and are part of the National Flood Insurance Program and the Community Rating System.

Public Information and Awareness Strategies - The Fayette County Hazard Mitigation Planning Committee has identified public awareness campaigns to ensure that the citizens of Fayette County, Peachtree City, Fayetteville, Tyrone, Brooks and Woolsey are informed of the hazards affecting them and about the mitigation efforts that are taking place to mitigate flooding situations.

II. Tornadoes

Mitigation Goals - The potential for significant damages to property, injuries and/or deaths are often associated with tornadoes. There is a need for advanced planning due to major consequences of this type of event. There are several courses of action below that could increase the survival chances of vulnerable populations while also reducing the overall damage to critical infrastructure.

Range of Mitigation Options - The suggested mitigation options for tornadoes in Fayette County provide enhanced sheltering, advanced warning and as well as options for more sustainable facilities.

Mitigation Strategy for Tornadoes

Mitigation Goal #1 - *“To minimize the losses of life and property due to tornadoes in Fayette County.”*

Objective #1 - To provide advanced severe weather warning and to protect the residents and their property from the effects of tornadoes in Fayette County.

Action Steps:

1. *Encourage retrofitting of existing and future public schools with special high wind resistant films for doors and windows.*

Responsible Organization	Fayette County Board of Education
Coordinating Organization	Fayette County Board of Education
Timeline	2015-2020
Approximate Cost	Unknown
Funding Sources	General funds, SPLOST
Priority	Medium
Status	ON GOING
Building & Infrastructure	New and Existing

2. *Complete build out of weather warning siren system with the installation of 4 more siren sites*

Responsible Organization	Fayette County Board of Commissioners and municipal
Coordinating Organization	Fayette County EMA
Timeline	2015-2020
Approximate Cost	\$250,000
Funding Sources	Tax Digest and Grants
Funding Sources	State and federal grants
Priority	High
Status	In progress
Building & Infrastructure	New and Existing

Tornado Mitigation Goals and Objectives 2015-2020

Multi-Jurisdictional Considerations - Tornadoes can affected all areas of Fayette County including Peachtree City, Fayetteville, Tyrone, Brooks, and Woolsey. All of the Fayette County including Peachtree City, Fayetteville, Tyrone, Brooks, and Woolsey in Fayette County have participated in tornado mitigation activities.

Public Information and Awareness Strategies - The Fayette County Hazard Mitigation Committee has identified many public awareness campaigns to ensure that the citizens of Fayette County have advanced warning of the hazards affecting them and about the mitigation efforts in place to mitigate potential tornado situations.

III. Severe Thunderstorm Wind and Lightning

Mitigation Goals - Thunderstorm winds and lightning has caused numerous injuries and deaths as well as millions of dollars in property damages in Fayette County over the past 45 years. There is a great need to reduce the risk to lives and property due to this hazard. There are many similarities for mitigating thunderstorm winds and tornadoes. This section identifies mitigation solutions to lightning events and tropical storms.

Range of Mitigation Options - Possible mitigation options for severe storms include early warning devices and property protection systems. The early warning devices should allow residents to take shelter before the storm approaches.

Mitigation Strategy for Thunderstorm Wind and Lightning

Mitigation Goal #1 - *“To minimize the losses of life and property due to thunderstorm winds and lightning in Fayette County.”*

Objective #1 - To adequately warn and protect the people and property from the effects of thunderstorm winds and lightning of Fayette County.

Action Steps:

1. *Equip all county and city recreation parks with adequate early severe weather warning devices and lightning detection devices.*

Responsible Organization	Fayette County Recreation and Municipal Recreation Departments Fayette County EMA
Coordinating Organization	Fayette County EMA
Timeline	2004 - Ongoing
Approximate Cost	\$300,000
Funding Sources	Grants, general fund
Priority	High
Accomplished	8 additional Warning Sirens, Ongoing
Building & Infrastructure	New and Existing

2. *Develop a public awareness program about the installation of lightning grounding systems on critical infrastructure, residential and business properties.*

Responsible Organization	County and city governments, private business and homeowners
Coordinating Organization	Fayette County EMA
Timeline	2006
Approximate Cost	Unknown
Funding Sources	General funds
Priority	Medium
Status	Ongoing
Building & Infrastructure	New and Existing

3. *Fire Station 6 Generator - Fayette County Fire Station 6 in Brooks, Georgia has a failing generator that is 20 years old. The fire station and the personnel that are housed there 24/7 must have a reliable source of emergency power to continue to provide fire and emergency medical services to the citizens of Fayette County. The station and the area are vulnerable to all types of weather and technical events that causes power outages sometime for extended periods of time. A reliable source of emergency power is essential and the current unreliable generator must be replaced.*

OT COMPLETED

Responsible Organization	Fire Department
Coordinating Organization	Fayette County
Timeline	2016-2018
Approximate Cost	\$50,000
Funding Sources	Grants
Priority	High
Status	Awaiting funding
Building & Infrastructure	Existing

Multi-Jurisdictional Considerations - All of Fayette County, Peachtree City, Fayetteville, Tyrone, Brooks, and Woolsey will be considered when developing mitigation strategies related to thunderstorm winds and lightning. Thunderstorms with associated lightning have caused significant damage in all areas of the county.

Public Information and Awareness Strategies - The Fayette County public safety community is taking an all hazards approach to community awareness programs. Thunderstorm winds and lightning events are inclusive of this all hazards program. Fayette County, Peachtree City, Fayetteville, Tyrone, Brooks, and Woolsey have implemented more than 200 NOAA weather radios in public buildings, critical infrastructure, major businesses, nursing homes, and day care centers as a public information strategy. Local fire departments have distributed severe weather information to bring awareness of the potential of severe weather. Fayette County, Peachtree City, Fayetteville, Tyrone, Brooks, Woolsey, and the Fayette County Board of Education participate in the statewide tornado drill as an exercise each year.

IV. Winter Storms

Mitigation Goals - Although winter storms are not a frequent occurrence in Fayette County, they do have the potential to cause extensive problems when they occur. Fayette County, Peachtree City, Fayetteville, Tyrone, Brooks, and Woolsey do not have the proper equipment to efficiently deal with snow and ice removal.

Range of Mitigation Goals - The major mitigation need for Fayette County in relation to winter storms is to educate and prepare residents of our community for winter storms.

Mitigation Strategy for Winter Storms

Mitigation Goal #1 - *“To minimize the losses of lives and property due to winter storms in Fayette County.”*

Objective #1 - To educate and prepare the residents of Fayette County for effects of winter storms.

Action Steps:

Mitigation Goal – “To improve the Tyrone Police Department’s response capability during winter storms.”

Objective #1 – Obtain off-road capable vehicles to include a 4x4 truck and/or ATVs.

Responsible Organization	Tyrone Police Department
Coordinating Organization	Tyrone Police Department
Timeline	2015-2020
Approximate Cost	Unknown
Funding Sources	Grants, Excess Property, Seized Funds.

Multi-Jurisdictional Considerations - Winter storms have affected all areas of Fayette County including Peachtree City, Fayetteville, Tyrone, Brooks, and Woolsey. Fayette County, Peachtree City, Fayetteville, Tyrone, Brooks, and Woolsey in Fayette County have participated in winter storm mitigation and preparedness activities.

Public Information and Awareness Strategies - The Fayette County Hazard Mitigation Planning Committee has identified and implemented many public awareness campaigns to ensure that the citizens of Fayette County are kept abreast of the hazards affecting them and the mitigation efforts to reduce the severity of winter storm situations.

V. Drought

Mitigation Goals - Droughts have had severe effects upon the southern states during the past decade. Fayette County has historically witnessed water shortages as a result of widespread droughts. Fayette County has made substantial progress in increasing the capacity of our water supply.

Range of Mitigation Goals - The main areas where mitigation projects are needed for drought conditions include expanding and enhancing the public water supply capacity as well as increasing the public awareness about water conservation.

Mitigation Strategy for Drought

Mitigation Goal #1 - *“To minimize the effects of drought in Fayette County.”*

Objective #1 - Protect people and property from the effects of droughts by ensuring an adequate water supply in Fayette County.

Action Steps:

1. *Develop a public awareness campaign to promote water-saving campaigns such as low-flow water saving devices in toilets.*

Responsible Organization	Fayette County Water System, Fayetteville Water Department various private water systems
Coordinating Organization	Fayette County EMA
Timeline	
Approximate Cost	\$40,000
Funding Sources	Organizations budgets
Priority	Medium
Status	Ongoing with some progress
Building & Infrastructure	New and Existing

2. *Stricter enforcement of the countywide outdoor burning ban from May through October to prevent wild land fires.*

Responsible Organization	Various Fire Departments
Coordinating Organization	Fayette County Water System
Timeline	Ongoing
Approximate Cost	Negligible
Funding Sources	None
Priority	Medium
Status	Accomplished
Building & Infrastructure	Existing

Multi-Jurisdictional Considerations - Drought has affected all areas of Fayette County. Fayette County, Peachtree City, Fayetteville, Tyrone, Brooks, and Woolsey in Fayette County have participated in drought related mitigation activities.

Public Information and Awareness Strategies - The Fayette County Hazard Mitigation Committee has identified and implemented public awareness campaigns to ensure that the citizens of Fayette County are kept abreast of the hazards affecting them and the mitigation efforts to reduce the effects of potential drought situations. These include ordinances for the enforcement of outdoor water bans.

VI. All Hazards

Mitigation Goals - Fayette County follows an all-hazards approach to community planning. There are many mitigation projects, which can positively influence the outcomes of any natural disaster; these projects are described in this All Hazards section.

Range of Mitigation Goals - All hazards mitigation goals cover a wide variety of areas. There is a great need in Fayette County for an emergency operations center dedicated to the management of medium and large-scale events within the county (especially those that cross-jurisdictional boundaries).

Increased early warning capabilities for severe weather is a high priority. Severe weather especially lightning is responsible for the greatest property damage in our community in terms of dollar loss.

The Fayette County Local Emergency Planning Committee is responsible for planning for hazardous material incidents in our community. These organizations through cooperation with public safety organizations and industry have significantly reduced hazardous material incidents in Fayette County. The committee continues to progress with innovative and cost effective programs in a continuing effort to mitigate technological disasters in our community.

Mitigation Strategies for All Hazards

Mitigation Goal #1 - *“To minimize the losses of life and property due to all natural hazards in Fayette County.”*

Objective #1 - To protect people and property from the effects of all potential hazards in Fayette County.

Action Steps:

1. *Placing severe weather warning sirens as a method of early warning for possible inclement weather or other hazards in all public parks and recreational facilities.*

Responsible Organization	Fayette County board of Commissioners, local City and Town councils and Recreation Departments
Coordinating Organization	Fayette County EMA
Timeline	2010-2015
Approximate Cost	\$225,000
Funding Sources	Tax Digest, Grants
Priority	High
Status	Accomplished with the addition of 8 Sirens
Building & Infrastructure	New and Existing

2. *Work with local cable and radio providers to develop and broadcast public education on Emergency Preparedness.*

Responsible Organization	Fayette County Information Systems, Comcast Cable Company
Coordinating Organization	Fayette County EMA
Timeline	2015-2020
Approximate Cost	\$1000
Funding Sources	Grant
Priority	Low
Status	Ongoing
Building & Infrastructure	New and Existing

2015-2020 Mitigation Strategies for All Hazards

1. *Acquire diesel and gasoline storage tanks for the Tyrone Police department*

NOT ACCOMPLISHED

Responsible Organization	Tyrone Police Dept./Public Works
Coordinating Organization	Tyrone Police Dept.
Timeline	2015-2020
Approximate Cost	\$60,000
Funding Sources	Grants and Seized Asset funds
Priority	High
Status	CARRIED OVER
Building & Infrastructure	New

2. *Acquire a mobile backup generator for the Town of Tyrone to mitigate electrical power outages*

ACCOMPLISHED PENDING GRANT APPROVAL

Responsible Organization	Tyrone Police Dept./Public Works
Coordinating Organization	Tyrone Police Dept.
Timeline	2010-2015
Approximate Cost	\$55,000
Funding Sources	Grants and Seized Asset funds
Priority	High
Status	New
Building & Infrastructure	New

3. *Establish a Citizen Emergency Response Team (CERT) within the Town of Tyrone*

NOT ACCOMPLISHED

Responsible Organization	Tyrone Police Dept.
Coordinating Organization	Tyrone Police Dept.
Timeline	2010-2015
Approximate Cost	\$35,000
Funding Sources	Grants and Seized Asset funds
Priority	Medium
Status	NOT ACCOMPLISHED
Building & Infrastructure	New

4. *Establish a system for recording hazard mitigation plan monitoring for inclusion in the next plan update*

NOT ACCOMPLISHED

Responsible Organization	Fayette County
Coordinating Organization	Fayette County
Timeline	2015-2020
Approximate Cost	\$5,000
Funding Sources	Grants and Seized Asset funds
Priority	High
Status	NOT ACCOMPLISHED
Building & Infrastructure	New

Multi-Jurisdictional Considerations - Some of the above projects cross-jurisdictional boundaries (such as training and early warning). Fayette County, Peachtree City, Fayetteville, Tyrone, Brooks, and Woolsey have been involved in the planning process.

Public Information and Awareness Strategies - The Fayette County Hazard Mitigation Planning Committee has identified many public awareness campaigns to ensure that the citizens of Fayette County, Peachtree City, Fayetteville, Tyrone, Brooks, and Woolsey are kept abreast of the hazards affecting them and the mitigation efforts to alleviate potential situations.