

9.1 COUNTY OF FULTON

This section presents the jurisdictional annex for the County of Fulton.

A.) HAZARD MITIGATION PLAN POINT OF CONTACT

Primary Point of Contact	Alternate Point of Contact
Allan Polmateer, Director, Civil Defense 2714 State Highway 29, Johnstown, NY 12095 (518) 736-5858 civildef@co.fulton.ny.us	Scott Henze, Planner, Fulton County Planning 1 East Montgomery Street, Johnstown, NY 12095 (518) 736-5660 shenze@co.fulton.ny.us

B.) COUNTY PROFILE

Please refer to Section 4, Volume I of this Plan for details on Fulton County’s population, location, climate, history, growth and development.

C.) NATURAL HAZARD EVENT HISTORY SPECIFIC TO THE COUNTY

Please refer to the Previous Occurrences and Losses section within the hazard profiles located in Section 5.4, Volume I.

D.) NATURAL HAZARD RISK/VULNERABILITY RISK RANKING

Rank #	Hazard type	Estimate of Potential Dollar Losses to Structures Vulnerable to the Hazard ^{a, c}	Probability of Occurrence	Risk Ranking Score (Probability x Impact)	Hazard Ranking ^b
3	Earthquake	500-Year MRP: \$12,985,489 ^{c, e} 2500-Year MRP: \$125,946,618 ^{c, e}	Rare	16	Low
2	Flood	100-Year MRP: \$60,822,000 ^{c, e} 500-Year MRP: \$67,885,000 ^{c, e}	Frequent	36	Medium
1	Severe Storm	\$2,387,530 ^{c, d}	Frequent	48	High
1	Severe Winter Storm	1%: \$42,424,500 ^{c, d} 5%: \$212,122,500 ^{c, d}	Frequent	48	High

- Building damage ratio estimates based on FEMA 386-2 (August 2001)
- High = Total hazard priority risk ranking score of 40 and above
Medium = Total hazard priority risk ranking of 20-40
Low = Total hazard risk ranking below 20
- The valuation of general building stock and loss estimates determined in Fulton County were based on the default general building stock database provided in HAZUS-MH MR4 (RSMMeans 2006).
- Severe storm and severe winter storm hazard loss estimates are structural values only; does not include the value of contents.
- Loss estimates represent both structure and contents for the flood hazard and earthquake hazards.

E.) CAPABILITY ASSESSMENT

This section identifies the following capabilities of the local jurisdiction:

- Legal and regulatory capability
- Administrative and technical capability
- Fiscal capability
- Community classification.

Legal and Regulatory Capability

Regulatory Tools (Codes, Ordinances., Plans)	Local Authority (Y or N)	Prohibitions (State or Federal) (Y or N)	Higher Jurisdictional Authority (Y or N)	State Mandated (Y or N)	Code Citation (Section, Paragraph, Page Number, date of adoption)
1) Building Code		N	Y	N	New York State Codes, Regulated at local and state levels
2) Zoning Ordinance		N	N	N	Regulated at local level
3) Subdivision Ordinance		N	N	N	Regulated at local level
4) NFIP Flood Damage Prevention Ordinance		Y	Y	Y	Regulated at local level
5) Growth Management		N	N	N	Regulated at the local level
6) Floodplain Management / Basin Plan		Y	Y	N	Soil and Water has prepared plans for some communities.
7) Stormwater Management Plan/Ordinance		N	Y	Y	Regulated at the local level
8) Comprehensive Plan / Master Plan/ General Plan		N	N	N	CEMP, Regulated at the local level
9) Capital Improvements Plan		N	N	N	The County has a 4 year Capital Plan
10) Site Plan Review Requirements		Y	Y	N	Regulated at the local level
11) Open Space Plan					
12) Economic Development Plan		N	N	N	The County has an Economic Development Committee
13) Emergency Response Plan		N	Y	Y	CEMP
14) Post Disaster Recovery Plan					CEMP
15) Post Disaster Recovery Ordinance		N	N	N	N/A
16) Real Estate Disclosure req.		N	N	N	
17) Other [Special Purpose Ordinances (i.e., critical or sensitive areas)]					N/A

Administrative and Technical Capability

Staff/ Personnel Resources	Available (Y or No)	Department/ Agency/Position
1) Planner(s) or Engineer(s) with knowledge of land development and land management practices	Y	County Planning Department and Fulton County Soil and Water Conservation District Field Manager
2) Engineer(s) or Professional(s) trained in construction practices related to buildings and/or infrastructure	Y	Local engineers
3) Planners or engineers with an understanding of natural hazards	Y	County Planning and Civil Defense Departments
4) Floodplain Administrator	N	At Local Level and Civil Defense
5) Surveyor(s)		Local land surveyors
6) Personnel skilled or trained in "GIS" applications	Y	County Planning Department
7) Scientist familiar with natural hazards	Y	Fulton County Soil and Water Conservation District
8) Emergency Manager	Y	County Civil Defense Department
9) Grant Writer(s)	Y	County Planning Department
10) Staff with expertise or training in benefit/cost analysis		

Fiscal Capability

Financial Resources	Accessible or Eligible to use (Yes/No/Don't know)
1) Community development Block Grants (CDBG)	Don't Know
2) Capital Improvements Project Funding	Accessible
3) Authority to Levy Taxes for specific purposes	Don't Know
4) User fees for water, sewer, gas or electric service	Don't Know
5) Impact Fees for homebuyers or developers of new development/homes	No
6) Incur debt through general obligation bonds	Don't Know
7) Incur debt through special tax bonds	Don't Know
8) Incur debt through private activity bonds	No
9) Withhold public expenditures in hazard-prone areas	No
10) State mitigation grant programs (e.g. NYSDEC, NYCDEP)	Yes
11) Other-Wetland Mitigation Funds	Yes

Community Classifications

Program	Classification	Date Classified
Community Rating System (CRS)		
Storm Ready		
Firewise		

Note: Higher classification applies to when subject property is located beyond 1,000 feet of a creditable fire hydrant and is within 5 road miles of a recognized Fire Station.
 N/A = Not applicable. - = Unavailable.

The above referenced classifications can be viewed as a gauge of this community’s capabilities in all phases of emergency management (preparedness, response, recovery and mitigation). These classifications are used as an underwriting parameter for determining the costs of various forms of insurance. The CRS class applies to flood insurance. Classifications range on a scale of 1 to 10 with class one being the best possible classification, and class 10 representing no classification benefit. Criteria for classification credits are outlined in the following documents:

- The Community Rating System Coordinators Manual
- The Fire Suppression Rating Schedule

DRAFT

F.) PROPOSED HAZARD MITIGATION INITIATIVES

Initiative #	Mitigation Initiative	Applies to New and/or Existing Structures*	Hazard(s) Mitigated	Goals Met	Objectives Met	Lead Agency	Support Agencies	Estimated Cost	Sources of Funding	Timeline
FC-1	Where appropriate, support retrofitting of structures located in hazard-prone areas to protect structures from future damage, with repetitive loss and severe repetitive loss properties as priority. Identify facilities that are viable candidates for retrofitting based on cost-effectiveness versus relocation. Where retrofitting is determined to be a viable option, consider implementation of that action based on available funding.	Existing	Flood, Severe Storm			County	Municipality or District the property is located; SEMO; FEMA	High	FEMA Mitigation Grant Programs and local budget (or property owner) for cost share	Long-term DOF
FC-2	Where appropriate, support purchase, or relocation of structures located in hazard-prone areas to protect structures from future damage, with repetitive loss and severe repetitive loss properties as priority. Identify facilities that are viable candidates for relocation based on cost-effectiveness versus retrofitting. Where relocation is determined to be a viable option, consider implementation of that action based on available funding.	Existing	Flood, Severe Storm			County	Municipality or District the property is located; SEMO; FEMA	High	FEMA Mitigation Grant Programs and local budget (or property owner) for cost share	Long-term DOF
FC-3	As appropriate, support participation in incentive-based programs such as CRS.	New & Existing	Flood			Municipality (likely through NFIP)	County, SEMO, ISO, FEMA	Low - Medium	Local Budget	Short



Initiative #	Mitigation Initiative	Applies to New and/or Existing Structures*	Hazard(s) Mitigated	Goals Met	Objectives Met	Lead Agency	Support Agencies	Estimated Cost	Sources of Funding	Timeline
						Floodplain Administrator)				
FC-4	Continue to support the implementation, monitoring, maintenance, and updating of this Plan, as defined in Section 7.0	New & Existing	All Hazards			Municipality (through mitigation planning point of contacts)	County (through Mitigation Planning Coordinator), SEMO	Low – High (for 5-year update)	Local Budget, possibly FEMA Mitigation Grant Funding for 5-year update	Ongoing
FC-5	The County would support municipalities in their effort to maintain compliance with NFIP	New & Existing	Flood			Municipality (likely through NFIP Floodplain Administrator)	SEMO, ISO, FEMA	Low - Medium	Local Budget	Ongoing
FC-6	Continue to develop, enhance, and implement existing emergency plans.	New & Existing	All Hazards			Municipal Emergency Manager with support from County OEM and SEMO	County Emergency Management, SEMO	Low - Medium	Local Budget	Ongoing
Suggested Mitigation Actions based on Plans reviewed and discussions with Committee members:										
	Conduct an annual review of the County and municipal emergency response role and procedures, and provide any changes to the Civil Defense/Fire Coordinator by February 1 of each year. Per the County Comprehensive Emergency Management Plan	N/A	All Hazards			County and Municipalities	County Emergency Management, Local Emergency Management	Low		Ongoing
	Continue to review and conduct annual update of the Fulton County Comprehensive Emergency	N/A	All Hazards			County	County Emergency Management	Low		Ongoing

Initiative #	Mitigation Initiative	Applies to New and/or Existing Structures*	Hazard(s) Mitigated	Goals Met	Objectives Met	Lead Agency	Support Agencies	Estimated Cost	Sources of Funding	Timeline
	Management Plan by March 1 of each year. Per the County Comprehensive Emergency Management Plan									
	Continue to encourage municipalities to adopt comprehensive community development plans, zoning ordinances, subdivision regulations, and building codes that are cognizant of and take into account significant hazards in the county Per the County Comprehensive Emergency Management Plan	N/A	All Hazards			County	County Emergency Management	Low		Ongoing
	Continue to promote compliance with and enforcement of existing laws, regulations, and codes that are related to hazard risks, eg., building and fire codes, flood plain regulations Per the County Comprehensive Emergency Management Plan	New & Existing	All Hazards			County		Low		Ongoing
	Encourage and participate in municipal stream channel maintenance programs Per the County Comprehensive Emergency Management Plan									
	Encourage state and local									



Initiative #	Mitigation Initiative	Applies to New and/or Existing Structures*	Hazard(s) Mitigated	Goals Met	Objectives Met	Lead Agency	Support Agencies	Estimated Cost	Sources of Funding	Timeline
	<p>DOT's to address dangerous conditions on roads used by hazardous materials carriers.</p> <p>Per the County Comprehensive Emergency Management Plan</p>									
	<p>The County Planning Board will take into account the significant hazards in Fulton County when:</p> <ul style="list-style-type: none"> • Authorizing County land use management programs • Advising and assisting local governments in the county in developing and adopting comprehensive master plans for community development, zoning ordinances, subdivision regulations and building codes • Assisting and advising the Local Planning Boards in the review process of local zoning and subdivision actions <p>Per the County Comprehensive Emergency Management Plan</p>									
	<p>The Fulton County Emergency Planning Committee will (<i>continue to</i>) conduct risk reduction workshops for municipalities to encourage their involvement in the county risk</p>									

Initiative #	Mitigation Initiative	Applies to New and/or Existing Structures*	Hazard(s) Mitigated	Goals Met	Objectives Met	Lead Agency	Support Agencies	Estimated Cost	Sources of Funding	Timeline
	reduction program. Per the County Comprehensive Emergency Management Plan									
	The Fulton County Emergency Planning Committee will (<i>continue to</i>) meet quarterly and as needed to identify specific hazard reduction actions that could be taken for those hazards determined by the hazard analysis to be most significant. Per the County Comprehensive Emergency Management Plan									
	The Risk Reduction report (<i>will this HMP replace it??</i>), which identifies hazard reduction actions/their costs/etc, will (<i>continue to</i>) be reviewed annually and revisions presented to Fulton County Board of Supervisors to the County Emergency Management for their review, revision, and approval. Per the County Comprehensive Emergency Management Plan									
	<i>Continue to</i> conduct periodic assessment of the County's capability to manage the emergencies that could be caused by the hazards									



Initiative #	Mitigation Initiative	Applies to New and/or Existing Structures*	Hazard(s) Mitigated	Goals Met	Objectives Met	Lead Agency	Support Agencies	Estimated Cost	Sources of Funding	Timeline
	identified in the County is a critical part of Risk Reduction. Per the County Comprehensive Emergency Management Plan									
	The Emergency Planning Committee will <i>continue to</i> , on a tri-annual basis, assess the county's current capability for dealing with those significant hazards that have been identified and analyzed, including but not limited to: <ul style="list-style-type: none"> The impacted communities' preparedness levels The existence of effective warning systems The communities' means to respond to anticipated casualties and damage Per the County Comprehensive Emergency Management Plan									
	The County Civil Defense Director/Fire Coordinator will <i>continue to</i> conduct table-top exercises based upon specific hazards and hazard areas identified by the Committee. Per the County Comprehensive Emergency Management Plan									
	The Committee will <i>continue to</i> identify emergency									



Initiative #	Mitigation Initiative	Applies to New and/or Existing Structures*	Hazard(s) Mitigated	Goals Met	Objectives Met	Lead Agency	Support Agencies	Estimated Cost	Sources of Funding	Timeline
	<p>response shortfalls and make recommendations for implementing corrective actions to the County Civil Defense Director/Fire Coordinator, Board of Supervisors, and the SEMO Region III Office annually.</p> <p>Per the County Comprehensive Emergency Management Plan</p>									
	<p>Continue to encourage and support ICS training for city, town and village emergency personnel</p> <p>Per the County Comprehensive Emergency Management Plan</p>									
	<p>The Fulton County Civil Defense Director/Fire Coordinator in coordination with the Fulton County EMS Coordinator Emergency Planning Committee and Nathan Littauer Hospital Disaster Drill Committee will continue to conduct periodic exercises and drills to evaluate local capabilities and preparedness, including a full scale operational exercise that tests a major portion of the elements and responsibilities in the County Comprehensive Emergency Management Plan, and regular drills to test readiness</p>									



Initiative #	Mitigation Initiative	Applies to New and/or Existing Structures*	Hazard(s) Mitigated	Goals Met	Objectives Met	Lead Agency	Support Agencies	Estimated Cost	Sources of Funding	Timeline
	of warning and communication equipment; annual schedule on file at Civil Defense Office. Per the County Comprehensive Emergency Management Plan									
	The Public Health Educator, in coordination with the Civil Defense, will continue to provide education on hazards and protective measures the County has to the young adult and adult public in the county. Per the County Comprehensive Emergency Management Plan									
	Provide backup power at critical facilities where necessary	Existing	All					Med	County, Homeland Security and other sources	
	Expand public education on ways to protect property before and during hazard events	Existing	All					Low	County and other available sources	
	Work with existing agencies and organizations to develop open space strategies and conservation standards to be met by new development projects	New	Flood					Low - High	TBD	
	Conduct continued public and stakeholder outreach to promote awareness of this Plan and obtain ongoing public and stakeholder input.	Both	All				Low	County Operating budget	Short	



Initiative #	Mitigation Initiative	Applies to New and/or Existing Structures*	Hazard(s) Mitigated	Goals Met	Objectives Met	Lead Agency	Support Agencies	Estimated Cost	Sources of Funding	Timeline
	Specific activities may include maintaining the public HMP website, media releases, maintaining copies of the plan in town halls, and may include public meetings.									

Note(s): Short term = 1 to 5 years. Long Term= 5 years or greater. OG = On going program. DOF = Depending on funding.

*Does this mitigation initiative reduce the effects of hazards on new and/or existing buildings and/or infrastructure? Not applicable (NA) is inserted if this does not apply.

DRAFT



G.) ANALYSIS OF MITIGATION ACTIONS

This table summarizes the participant’s mitigation actions by hazard of concern and the six mitigation types to illustrate that the County has selected a comprehensive range of actions/projects.

Hazard of Concern	Mitigation Type					
	1. Prevention	2. Property Protection	3. Public Education and Awareness	4. Natural Resource Protection	5. Emergency Services	6. Structural Projects
Earthquake	FC-4, 6, 19, 24	FC-4, 6, 8, 19	FC-4, 10	FC-4	FC-4, 8, 9, 11, 13	FC-4
Flooding (riverine, flash, coastal and urban flooding)	FC-1, 2, 4, 5, 6, 7, 16, 17, 18, 19, 21, 22, 23, 24	FC-1, 2, 4, 5, 6, 7, 16, 17, 18, 19, 21, 22, 23	FC-1, 2, 4, 10	FC-4, 14, 15, 16, 17, 18, 19, 21, 22, 23	FC- 4, 6, 9, 11, 13	FC-4
Severe Storms (windstorms, thunderstorms, hail, lightning and tornados)	FC- 1, 2, 4, 6, 12, 24	FC- 1, 2, 4, 6	FC- 1, 2, 4, 10	FC-4	FC- 4, 6, 8, 9, 11, 13	FC- 4
Severe Winter Storm (heavy snow, blizzards, ice storms)	FC- 4, 6, 12, 24	FC- 4, 6	FC- 4, 10	FC-4	FC- 4, 6, 8, 9, 11, 13	FC- 4

Notes:

- 1. Prevention:** Government, administrative or regulatory actions or processes that influence the way land and buildings are developed and built. These actions also include public activities to reduce hazard losses. Examples include planning and zoning, floodplain local laws, capital improvement programs, open space preservation, and storm water management regulations.
- 2. Property Protection:** Actions that involve (1) modification of existing buildings or structures to protect them from a hazard or (2) removal of the structures from the hazard area. Examples include acquisition, elevation, relocation, structural retrofits, storm shutters, and shatter-resistant glass.
- 3. Public Education and Awareness:** Actions to inform and educate citizens, elected officials, and property owners about hazards and potential ways to mitigate them. Such actions include outreach projects, real estate disclosure, hazard information centers, and school-age and adult education programs.
- 4. Natural Resource Protection:** Actions that minimize hazard loss and also preserve or restore the functions of natural systems. These actions include sediment and erosion control, stream corridor restoration, watershed management, forest and vegetation management, and wetland restoration and preservation.
- 5. Emergency Services:** Actions that protect people and property, during and immediately following, a disaster or hazard event. Services include warning systems, emergency response services, and the protection of essential facilities
- 6. Structural Projects:** Actions that involve the construction of structures to reduce the impact of a hazard. Such structures include dams, setback levees, floodwalls, retaining walls, and safe rooms

H.) PRIORITIZATION OF MITIGATION INITIATIVES

Initiative #	# of Objectives Met	Benefits	Costs	Do Benefits equal or exceed Costs? (Yes or No)	Is project Grant eligible? (Yes or No)	Can Project be funded under existing programs/budgets? (Yes or No)	Priority (High, Med., Low)
FC-1		H	H	Y	Y	N	M-H*
FC-2		H	H	Y	Y	N	M-H*
FC-3		M	L	Y	N	Y	H
FC-4		M	M	Y	N (Yes for 5 year update)	Y	H
FC-5		H	L	Y	N	Y	H
FC-6		M	L	Y	N	Y	H
FC-7							
FC-8							
FC-9							
FC-10							
FC-11							
FC-12							
FC-13							
FC-14							
FC-15							
FC-16							
FC-17							
FC-18							
FC-19							
FC-20							
FC-21							
FC-22							
FC-23							
FC-24							

Notes: H = High. L = Low. M = Medium. N = No. N/A = Not applicable. Y = Yes.

*This initiative has a Medium priority based on the prioritization scheme used in this planning process (implementation based on grant funding), however it is recognized that addressing repetitive and severe repetitive loss properties is considered a high priority by FEMA and SEMO (as expressed in the State HMP), and thus shall be considered a High priority for all participants in the planning process.

Explanation of Priorities

- **High Priority** - A project that meets multiple objectives (i.e., multiple hazards), benefits exceeds cost, has funding secured or is an on-going project and project meets eligibility requirements for the Hazard Mitigation Grant Program (HMGP) or Pre-Disaster Mitigation Grant Program (PDM) programs. High priority projects can be completed in the short term (1 to 5 years).
- **Medium Priority** - A project that meets goals and objectives, benefits exceeds costs, funding has not been secured but project is grant eligible under, HMGP, PDM or other grant programs. Project can be completed in the short term, once funding is completed. Medium priority projects will become high priority projects once funding is secured.
- **Low Priority** - Any project that will mitigate the risk of a hazard, benefits do not exceed the costs or are difficult to quantify, funding has not been secured and project is not eligible for HMGP or PDM grant funding, and time line for completion is considered long term (1 to 10 years). Low priority projects may be eligible other sources of grant funding from other programs. A low priority project could become a high priority project once funding is secured as long as it could be completed in the short term.

Prioritization of initiatives was based on above definitions:

Prioritization of initiatives was based on parameters other than stated above:

I.) FUTURE NEEDS TO BETTER UNDERSTAND RISK/VULNERABILITY

None identified at this time.

J.) ADDITIONAL COMMENTS

Hazard Area Extent and Location

Hazard area extent and location maps have been generated for the County of Fulton and illustrate the probable areas impacted within the County. These maps are based on the best available data at the time of the preparation of this Plan, and are considered to be adequate for planning purposes. Maps have only been generated for those hazards that can be clearly identified using mapping techniques and technologies, and for which the County of Fulton has significant exposure. These maps are illustrated in the hazard profiles within Section 5.4, Volume I of this Plan.