

Mitigation Action		MITIGATION ACTION EVALUATION CRITERIA CONSIDERATIONS (+) highly effective or feasible (-) ineffective or not feasible (N) Neutral or Not applicable										TOTAL SCORE
Action #	Action	Life Safety	Property Protection	Technical	Political	Legal	Environmental	Social	Administrative	Local Champion	Other Community Objectives	
1.1.1	Encourage municipal offices to review regulations pertaining to their jurisdiction to make sure that adequate zoning regulations are in place to reduce future development in high hazard areas in their jurisdiction Planning department to review Subdivision and Land Development Ordinance.	+	+	+	+	+	+	-	-	+	+	8 (+) 2 (-) 0 (N)
1.1.2	Develop a countywide Firewise Plan	+	+	+	-	+	+	+	-	+	+	8 (+) 2 (-) 0 (N)
1.1.3	Develop a prevention and protection plan for the county	+	+	+	-	+	+	+	-	+	+	8 (+) 2 (-) 0 (N)

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1.2.1	Planning department to work with municipal offices to review their comprehensive plans to ensure that designated growth areas are not in high hazard areas identified in this plan	+	+	+	-	+	+	+	-	+	+	8 (+) 2 (-) 0 (N)
1.2.2	Encourage applicable municipal offices to review their capital improvement plans to ensure that programmed infrastructure improvements are not in high hazard areas	+	+	+	-	+	+	+	-	+	+	8 (+) 2 (-) 0 (N)

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1.2.3	Review the existing Tioga County Emergency Operations Plan (EOP) and update where necessary based on recommendations of the Hazard Mitigation Plan. Include participation from municipalities by ensuring that their EOP's are reviewed and updated annually	+	+	+	-	+	+	+	-	+	+	8 (+) 2 (-) 0 (N)
1.2.4	Update the Tioga County Comprehensive Plan and integrate hazard mitigation principals	+	+	+	-	+	+	-	-	+	+	7 (+) 3 (-) 0 (N)
1.3.1	Review the Tioga County capital improvement plan annually to ensure that development does not occur in high hazard areas	+	+	+	-	+	+	-	-	+	+	7 (+) 3 (-) 0 (N)
1.4.1	Establish a floodplain manager position in the county	+	+	+	-	+	+	-	-	+	+	7 (+) 3 (-) 0 (N)

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1.5.1	Enlist in the community rating system (CRS) program	+	+	+	-	+	+	-	-	+	+	7 (+) 3 (-) 0 (N)
1.6.1	County DES to arrange for training on the community rating system (CRS) for municipalities and insurance companies	+	+	+	-	+	+	-	-	+	+	7 (+) 3 (-) 0 (N)
1.6.2	Tioga County will develop a one stop shop for NFIP information and other disaster program information that will support hazard mitigation planning for all hazards	+	+	+	+	+	+	+	+	+	+	10 (+) 0 (-) 0 (N)
1.7.1	Coordinate with ARC to ensure shelters have the ability to receive emergency power by determining the connections for generators at each shelter	+	+	+	+	+	+	+	-	+	+	9 (+) 1 (-) 0 (N)

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1.7.2	Develop a shelter plan	+	+	+	+	+	+	+	+	+	+	10 (+) 0 (-) 0 (N)
2.1.1	Coordinate with Tioga County CART to develop evacuation plans and emergency shelter plans for pets	+	+	+	+	+	+	+	+	+	+	10 (+) 0 (-) 0 (N)
2.1.2	Distribution of NOAA Weather Radios to Tioga County municipalities, schools, hospitals, nursing homes, day care centers, and SARA facilities	+	+	+	+	+	+	+	-	+	+	9 (+) 1 (-) 0 (N)
2.2.1	The Tioga County Local Emergency Planning Committee (LEPC) should continue reviewing proposed emergency response plans from hazardous materials facilities in the area	+	+	+	+	+	+	+	-	+	+	9 (+) 1 (-) 0 (N)

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2.2.2	Continue to review Hazard Mitigation Questionnaires and post-disaster reviews submitted by the municipalities	+	+	+	+	+	+	+	+	+	+	10 (+) 0 (-) 0 (N)
2.2.3	Continue to produce and submit Hazard Mitigation Project Opportunity Forms for high-risk structures/areas (especially post-disaster	+	+	+	-	+	+	-	-	+	+	7 (+) 3 (-) 0 (N)
2.2.4	Establish the Tioga County Mitigation Advisory Council	+	+	+	+	+	+	+	+	+	+	10 (+) 0 (-) 0 (N)
2.3.1	Maintain the Tioga County 911 Center equipment	+	+	+	+	+	+	+	-	+	+	9 (+) 1 (-) 0 (N)
2.3.2	Research the possibility of installing Emergency Alert Warning Sirens and equipment to reach all populated areas throughout the County.	+	+	-	-	+	+	-	-	+	+	6 (+) 4 (-) 0 (N)

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2.3.3	Continue using and enhance in the future the Swift 911 systems in Tioga County	+	+	+	+	+	+	+	+	+	+	10 (+) 0 (-) 0 (N)
2.4.1	Work with all appropriate partners to continue evaluating and updating (when possible) dams and their respective Emergency Action Plans (EAPs).	+	+	+	-	+	+	+	-	+	+	8 (+) 2 (-) 0 (N)
2.4.2	Assessment office to continue collecting and updating information for structures within the 1%-chance-annual-chance floodplain and structures that are not in the floodplain, but are prone to flooding. This information will include map number, assessed value and structure type	+	+	+	+	+	+	+	-	+	+	9 (+) 1 (-) 0 (N)
2.4.3	Enlist in the Silver Jackets Program	+	+	+	+	+	+	+	+	+	+	10 (+) 0 (-) 0 (N)

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2.5.1	Develop a strategy to address abandoned and blighted properties in the county	+	+	+	-	+	+	-	-	+	+	7 (+) 3 (-) 0 (N)
2.5.2	Develop a strategy for vegetative buffers	+	+	+	+	+	+	+	+	+	+	10 (+) 0 (-) 0 (N)
2.5.3	Develop a strategy to improve ISO insurance ratings	+	+	+	+	+	+	+	+	+	+	10 (+) 0 (-) 0 (N)
2.6.1	Continue to target and prioritize at-risk structures for acquisition, relocation, and elevation	+	+	+	-	+	+	-	-	+	+	7 (+) 3 (-) 0 (N)
2.6.2	Continue to obtain repetitive loss information to be included in next revision of the Tioga County Hazard Mitigation Plan	+	+	+	+	+	+	-	-	+	+	8 (+) 2 (-) 0 (N)

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2.6.3	DES to work with municipalities and the county assessment office to collect information on the number, location and assessed value of all repetitive loss properties throughout the county in order to plan future mitigation activities, and create and maintain a current inventory asset list of all structures within the 1%-chance-annual-chance floodplain	+	+	+	+	+	+	-	-	+	+	8 (+) 2 (-) 0 (N)
2.6.4	County to work to develop and update a database in existing hazard GIS system of information on all repetitive loss properties including maps to be used in future mitigation	+	+	+	-	+	+	-	-	+	+	7 (+) 3 (-) 0 (N)

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3.1.1	Stabilize stream banks where needed.	+	+	+	-	+	+	+	-	+	+	8 (+) 2 (-) 0 (N)
3.1.2	Clean and remove debris from ditches, streams, and culverts	+	+	+	+	+	+	+	-	+	+	9 (+) 1 (-) 0 (N)
3.1.3	Investigate and install storm drains, storm sewer, and stormwater basins and other flood mitigation measures in areas of high stormwater runoff	+	+	+	+	+	+	+	-	+	+	9 (+) 1 (-) 0 (N)
3.1.4	Replace, repair, or upgrade storm pipes, sluices, culverts or bridge culverts where needed	+	+	+	+	+	+	+	-	+	+	9 (+) 1 (-) 0 (N)
3.1.5	Conduct a countywide commodity flow study	+	+	+	+	+	+	+	-	+	+	9 (+) 1 (-) 0 (N)

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3.2.1	Encourage all municipal offices to review the statewide Uniform Construction Code to ensure the enforcement of these codes as a minimum standard	+	+	+	-	+	+	-	-	-	+	6 (+) 4 (-) 0 (N)
3.2.2	Conduct all hazard training for emergency responders and conduct exercises to prepare for and better respond to all hazards	+	+	+	+	+	+	+	+	+	+	10 (+) 0 (-) 0 (N)
3.2.3	Develop a Community Emergency Response Team (CERT) to better train community members to assist each other before, during, and after a disaster	+	+	+	+	+	+	+	+	+	+	10 (+) 0 (-) 0 (N)

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3.2.4	DES conduct annual tabletop and functional disaster exercises with local law enforcement, emergency managers, county and local officials, and other disaster response agencies. Types of exercises to include: Flood Exercise, Hazardous Materials Spill Exercises and Bio Terrorism Exercises	+	+	+	+	+	+	+	-	+	+	9 (+) 1 (-) 0 (N)
3.2.5	DES to provide information about local, regional, state, and federal training opportunities to fire departments, emergency medical services, ambulance services, and other emergency responders	+	+	+	+	+	+	+	+	+	+	10 (+) 0 (-) 0 (N)
3.3.1	Enhance the utilization of Knowledge Center situational awareness platform	+	+	+	+	+	+	+	+	+	+	10 (+) 0 (-) 0 (N)

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3.3.2	Develop mutual aid agreements	+	+	+	-	+	N	+	-	+	+	7 (+) 2 (-) 1 (N)
4.1.1	Work with municipalities to update their ordinances to address permitting of oil and gas wells	+	+	+	-	+	+	+	-	+	+	8 (+) 2 (-) 0 (N)
4.1.2	Work with watershed associations, non-profits, and other partner organizations to address and identify solutions to acid mine drainage issues in the Tioga River and Pine Creek watersheds	N	+	-	-	-	+	+	-	+	-	4 (+) 5 (-) 1 (N)
4.2.1	Assist municipalities with source water protection	+	+	+	+	+	+	+	+	+	+	10 (+) 0 (-) 0 (N)

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4.2.2	Work with DEP, conservation agencies, park and recreation organizations, wildlife groups and other appropriate agencies to collect information of the number and location of natural resource areas throughout the county and then develop a GIS layer with the data	+	+	+	+	+	+	+	+	+	+	10 (+) 0 (-) 0 (N)
4.2.3	Planning Department to consider creating and implementing a Storm Water Management Plan within the next five years	+	+	+	-	+	+	+	-	+	+	8 (+) 2 (-) 0 (N)
4.2.4	County to work with DEP, conservation agencies, etc., to research avenues for restoring degraded natural resources and open space to improve their flood control functions	+	+	+	+	+	+	+	-	+	+	9 (+) 1 (-) 0 (N)

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4.2.5	Update and enforce stormwater management ordinance to address inflow / infiltration of stormwater into sanitary sewer from eaves and sump pumps connected to sanitary sewer.	+	+	+	-	+	+	-	-	+	+	7 (+) 3 (-) 0 (N)
5.1.1	Provide opportunities for individuals to attend weather training courses (i.e., Skywarn)	+	+	+	+	+	+	+	+	+	+	10 (+) 0 (-) 0 (N)
5.1.2	Tioga county CART will conduct outreach and develop a plan to train animal owners on proper emergency actions for their animals	+	+	+	+	+	+	+	+	+	+	10 (+) 0 (-) 0 (N)
5.1.3	Tioga County will conduct outreach on continuity of business planning	N	+	N	+	+	+	+	-	+	+	7 (+) 1 (-) 2 (N)

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5.1.4	Tioga County will provide outreach on children's programs that teach safety	+	+	+	+	+	+	+	+	+	+	10 (+) 0 (-) 0 (N)
5.1.5	Tioga County will conduct outreach to non-governmental organizations to promote hazard mitigation education and awareness	+	+	+	+	+	+	+	+	+	+	10 (+) 0 (-) 0 (N)
5.1.6	Tioga County will coordinate and perform disaster training to civilians	+	+	+	+	+	+	+	+	+	+	10 (+) 0 (-) 0 (N)
5.1.7	Tioga County to continue to provide hazard related information that is easily accessible on their website, including information about disaster preparedness and related activities	+	+	+	+	+	+	+	+	+	+	10 (+) 0 (-) 0 (N)
5.1.8	Tioga County will conduct outreach to school districts on disaster preparedness	+	+	+	+	+	+	+	+	+	+	10 (+) 0 (-) 0 (N)

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5.2.1	Work with the municipalities to hold a series of public meetings with owners of repetitive loss properties in high-risk areas. These meetings will also be used to identify high-risk properties in the rural areas of the County and to determine potential participation in future acquisition and relocation projects.	+	+	+	+	+	+	+	+	+	+	10 (+) 0 (-) 0 (N)
5.2.2	Hold meetings to identify high-risk properties in the county and to determine potential participation in future acquisition and relocation projects	+	+	+	+	+	+	+	+	+	+	10 (+) 0 (-) 0 (N)
5.2.3	Tioga County will perform outreach to the public on hazard mitigation	+	+	+	+	+	+	+	+	+	+	10 (+) 0 (-) 0 (N)

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5.2.4	Develop the Tioga County Continuity of Government Plan	N	+	N	+	+	N	+	-	+	+	6 (+) 1 (-) 3 (N)
5.2.5	Develop the Tioga County Continuity of Operations Plan	N	+	N	+	+	N	+	-	+	+	6 (+) 1 (-) 3 (N)
5.3.1	Tioga County DES to hold training sessions with the county, municipalities and insurance companies on the National Flood Insurance Program (NFIP) requirements.	+	+	+	+	+	+	+	+	+	+	10 (+) 0 (-) 0 (N)
5.3.2	Perform outreach to county property owners or renters within the 1%-chance-annual-chance floodplain regarding potential flood hazards	+	+	+	+	+	+	+	+	+	+	10 (+) 0 (-) 0 (N)