

## 9.10 TOWN OF GALWAY

This section presents the jurisdictional annex for the Town of Galway.

### A.) HAZARD MITIGATION PLAN POINT OF CONTACT

Primary Point of Contact	Alternate Point of Contact
David D. Costanzo, Highway Superintendent 5910 Sacandaga Road, P.O. Box 219, Galway, NY 518-882-6651 <a href="mailto:highway@townofgalway.org">highway@townofgalway.org</a>	George Hargrave, Town Supervisor 5910 Sacandaga Road, P.O., Galway, NY 518-882-6070 <a href="mailto:ghargrave@townofgalway.org">ghargrave@townofgalway.org</a>

### B.) TOWN PROFILE

#### *Population*

3,753 (estimated 2007 U.S. Census)

#### *Location*

The Town of Galway is located in the western part of the county. It is bounded on the north by Providence, on the east by Milton, on the south by Charlton and on the west by the county line (connecting with Fulton County). Galway is the principal village of the town, incorporated in April 18, 1838. East Galway (York's Corners), Mosherville, North Galway, West Galway and Whiteside Corners are hamlets. Galway Lake, located in the western half of town, is a popular location for 774 members of the Galway Lake Camper's Association. Galway Lake is 550 acres (2.2 km<sup>2</sup>) and is privately owned. New York State Route 29 is an east-west highway in the northern part of Galway. It intersects New York State Route 147 at Kimball Corners.

According to the U.S. Census Bureau, the town has a total area of 45.0 square miles (116.6 km<sup>2</sup>), with 44.0 square miles (114.0 km<sup>2</sup>) land and 1.0 square miles (2.6 km<sup>2</sup>) of it (2.20-percent) water.

#### *Climate*

Saratoga County, with all its municipalities, generally experiences seasonable weather patterns characteristic of the northeastern U.S. Warm summers are typically experienced, with occasional high temperatures and humidity. Midsummer temperatures typically range from 60°F to 83°F (Fahrenheit). The winters of Saratoga County are long and cold, with temperatures typically ranging from 12°F to 30°F (Fahrenheit). During the winter, temperatures are cooler than the temperatures in areas located near large bodies of water. Snow accumulates to an average depth of 68.7 inches each year.

#### *Brief History*

The region was first settled in October 1774 on the corner of what is today know as Donnan and Sacandaga Roads in the southern section of town, outside of Galway village. The town was formed from the Town of Ballston on March 7, 1792 as the "Town of New Galloway." The Town of Providence was taken off the north part of Galway in 1796. The community of Galway set itself off from the town by incorporation in 1838.

***Governing Body Format***

This information is not available at this time.

***Growth/Development Trends***

According to the Town of Galway Comprehensive Plan (adopted 2002), as part of the Vision of the Plan, Galway encourages economic development centered on family-owned, small businesses that are in scale and consistent with our rural nature. ‘The Town of Galway has a number of environmental sensitivities that pose challenges for future development. Numerous wetlands, floodplains, steep slopes, and soils with high water tables or low permeability exist. These environmentally sensitive locations need to be carefully considered in future development.’

According to City Data.com, in 2007, 18 single-family new house construction building permits were applied for; a decrease from 2006 in which 27 were applied for.

**C.) NATURAL HAZARD EVENT HISTORY SPECIFIC TO THE TOWN**

Type of Event	FEMA Disaster # (if applicable)	Date	Preliminary Damage Assessment
Blizzard	Not applicable	March, 1888	Not available
Flood	Not applicable	March, 1913	Not available
Extreme Cold	Not applicable	December, 1955	Not available
Extreme Cold	Not applicable	January, 1957	Not available
Extreme Cold	Not applicable	December, 1960	Not available
Snowstorm and Extreme Cold	Not applicable	February, 1961	\$81,000 (countywide)
Extreme Cold	Not applicable	December, 1963	Not available
Extreme Cold	Not applicable	February, 1967	Not available
Extreme Cold	Not applicable	January, 1968	Not available
Flood (Tropical Storm Agnes)	Not applicable	June, 1972	\$1,600,000 (countywide)
Flood	Not applicable	March, 1977	Not available
Extreme Cold	Not applicable	February, 1978	Not available
Extreme Cold	Not applicable	February, 1979	Not available
Extreme Cold	Not applicable	January, 1981	Not available
Snowstorm	Not applicable	January, 1983	\$238,000 (countywide)
Snowstorm	Not applicable	April, 1983	\$238,000 (countywide)
Snowstorm	Not applicable	December, 1983	\$179,000 (countywide)
Snowstorm	Not applicable	February, 1984	\$238,000 (countywide)
Flood	Not applicable	May, 1984	\$2,400,000 (countywide)
Flood	Not applicable	March, 1986	\$1,400,000 (countywide)
Flood	Not applicable	August, 1986	\$505,000 (countywide)

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Type of Event	FEMA Disaster # (if applicable)	Date	Preliminary Damage Assessment
Extreme Cold	Not applicable	February, 1987	Not available
Flood	Not applicable	April, 1987	\$2,100,000 property damage; \$208,000 crop damage; 3 injuries (countywide)
Severe Winter Storm	DR-801	October, 1987	Not available
Snowstorm	Not applicable	February, 1990	\$545,000 (countywide)
Freezing Rain	Not applicable	March, 1991	\$833,000 (countywide)
Extreme Cold	Not applicable	February, 1993	Not available
Blizzard and Extreme Cold	EM-3107	March, 1993	Not available
Extreme Cold	Not applicable	January, 1994	Not available
Snowstorm	Not applicable	February, 1995	\$500,000 (countywide)
Snowstorm	Not applicable	March, 1995	\$100,000 (countywide)
Severe Storm and Flooding	DR-1095	January, 1996	\$10,000,000 (countywide)
Flood	Not applicable	April, 1996	\$40,000 (countywide)
Severe Storms and Flooding	Not applicable	November, 1996	\$404,000 (countywide)
Snowstorm	Not applicable	March / April, 1997	\$709,000 (countywide)
Severe Winter Storm and Flooding	DR-1196	January, 1998	Between \$125,000 and \$745,000 (countywide)
Severe Storms and Flooding (Hurricane Floyd)	DR-1295	September, 1999	Not available
Flood	Not applicable	February, 2000	\$63,000 (countywide)
Severe Storms	Not applicable	May/September, 2000	\$80,000 (countywide)
Thunderstorm / Wind	Not applicable	June, 2000	\$200,000 (townwide)
Flood	Not applicable	December, 2000	\$190,000 (countywide)
Snowstorm	Not applicable	March, 2001	Not available
Snowstorm	EM-3173	December 2002 / January 2003	Not available
Severe Storms, Tornado and Flooding	Not applicable	July / August 2003	Between \$100,000 and \$160,000 (countywide)
Hail	Not applicable	May, 2004	\$80,000 (townwide)
Severe Storms and Flooding	DR-1534	May / June 2004	\$14,000,000 (statewide)
Severe Storms and Flooding	Not applicable	June/July, 2006	Not available
Ice Storm	Not applicable	January, 2007	Power outages
Snowstorm (Valentine's Day Storm)	Not applicable	February, 2007	Not available

**Number of FEMA Identified Repetitive Flood Loss Properties:** 0

**Number of FEMA Identified Severe Repetitive Flood Loss Properties:** 0

Source: FEMA Region 2, November 2008



## D.) NATURAL HAZARD RISK/VULNERABILITY RISK RANKING

Rank #	Hazard type	Estimate of Potential Dollar Losses to Structures Vulnerable to the Hazard <sup>a,c</sup>	Probability of Occurrence	Risk Ranking Score (Probability x Impact)	Hazard Ranking <sup>b</sup>
3	Earthquake	\$3,619,268 <sup>c,e,g</sup>	Rare	11	Low
2	Flood (riverine, flash, coastal and urban flooding)	\$1,965,000 <sup>c,e</sup>	Frequent	51	High
4	Ground Failure	Not available <sup>f</sup>	Rare	6	Low
2	Severe Storm (windstorms, thunderstorms, hail, lightning and tornados)	\$333,248 <sup>c,d</sup>	Frequent	51	High
1	Severe Winter Storm (heavy snow, blizzards, ice storms)	\$15,278,100 <sup>c,d</sup>	Frequent	54	High

- a. Building damage ratio estimates based on FEMA 386-2 (August 2001)
- b. High = Total hazard priority risk ranking score of 31 and above  
Medium = Total hazard priority risk ranking of 16-30  
Low = Total hazard risk ranking below 15
- c. The valuation of general building stock and loss estimates determined in Saratoga County were based on the default general building stock database provided in HAZUS-MH MR3 (RSMeans 2006).
- d. Severe storm and severe winter storm hazard 500-year MRP loss estimate is structural value only; does not include the value of contents. For severe winter storm, the loss estimate is 5% of total general building stock value.
- e. Loss estimates for both structure and contents (500-year MRP for the flood hazard and 2,500-year MRP for the earthquake hazard).
- f. 0% of the Town's general building stock is located within the landslide hazard area and thus vulnerable.
- g. Earthquake potential loss reflects estimated total damages for both the Town and Village of Galway (calculated by Census-Tract).

## 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.

## E.1) 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	Y	N	Y	N	10-09-2007
2) Zoning Ordinance	Y	N	N	N	10-09-2007 Zoning
3) Subdivision Ordinance	Y	N	N	N	Chapter 100, 06-12-2000
4) NFIP Flood Damage Prevention Ordinance (if you are in the NFIP, you <b>must</b> have this.)	N	Y	Y	Y	
5) Growth Management	Y	N	N	N	Zoning Regulations & Sub-Division
6) Floodplain Management / Basin Plan	N	Y	Y	N	
7) Stormwater Management Plan/Ordinance	N	N	Y	Y	
8) Comprehensive Plan / Master Plan/ General Plan	Y	N	N	N	Town of Galway Comprehensive Plan, adopted 2002
9) Capital Improvements Plan	N	N	N	N	
10) Site Plan Review Requirements	Y	Y	Y	N	Chapter 100, Sub-Division Regulation, 06-12-2000
11) Open Space Plan	Y	N	N	N	Town of Galway Comp. Plan, 2002
12) Economic Development Plan	N	N	N	N	
13) Emergency Response Plan	Y	N	Y	Y	
14) Post Disaster Recovery Plan	N	N	N	N	
15) Post Disaster Recovery Ordinance	N	N	N	N	
16) Real Estate Disclosure req.	N	N	N	N	
17) Other [Special Purpose Ordinances (i.e., critical or sensitive areas)]	N	Y	Y	N	

## E.2) Administrative and Technical Capability

Staff/ Personnel Resources	Available (Y or N)	Department/ Agency/Position
1) Planner(s) or Engineer(s) with knowledge of land development and land management practices	Y	Planning Board & EDP
2) Engineer(s) or Professional(s) trained in construction practices related to buildings and/or infrastructure	Y	EDP
3) Planners or engineers with an understanding of natural hazards	Y	EDP
4) NFIP Floodplain Administrator (if you are in the NFIP, you <b>must</b> have one.)	Y	George Hargrave - Supervisor
5) Surveyor(s)	N	
6) Personnel skilled or trained in "GIS" applications	N	
7) Scientist familiar with natural hazards in the Town of Galway.	N	
8) Emergency Manager	N	
9) Grant Writer(s)	N	
10) Staff with expertise or training in benefit/cost analysis	N	

## E.3) Fiscal Capability

Financial Resources	Accessible or Eligible to use (Yes/No/Don't know)
1) Community development Block Grants (CDBG)	No
2) Capital Improvements Project Funding	No
3) Authority to Levy Taxes for specific purposes	Yes
4) User fees for water, sewer, gas or electric service	No
5) Impact Fees for homebuyers or developers of new development/homes	Yes
6) Incur debt through general obligation bonds	Yes
7) Incur debt through special tax bonds	Yes
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	No

## E.4) Community Classifications

Program	Classification	Date Classified
Community Rating System (CRS)	NP	N/A
Building Code Effectiveness Grading Schedule (BCEGS)	NP	N/A
Public Protection	NP	N/A
Storm Ready	NP	N/A
Firewise	NP	N/A

N/A = Not applicable. NP = Not participating. - = Unavailable.

The classifications listed above relate to the community's effectiveness in providing services that may impact its vulnerability to the natural hazards identified. These classifications can be viewed as a gauge of the community's capabilities in all phases of emergency management (preparedness, response, recovery and mitigation) and are used as an underwriting parameter for determining the costs of various forms of insurance. The CRS class applies to flood insurance while the BCEGS and Public Protection classifications apply to standard property insurance. CRS classifications range on a scale of 1 to 10 with class one (1) being the best possible classification, and class 10 representing no classification benefit. Firewise classifications include a higher classification when the subject property is located beyond 1000 feet of a creditable fire hydrant and is within 5 road miles of a recognized Fire Station.

Criteria for classification credits are outlined in the following documents:

- The Community Rating System Coordinators Manual
- The Building Code Effectiveness Grading Schedule
- The ISO Mitigation online ISO's Public Protection website at <http://www.isomitigation.com/ppc/0000/ppc0001.html>
- The National Weather Service Storm Ready website at <http://www.weather.gov/stormready/howto.htm>
- The National Firewise Communities website at <http://firewise.org/>

## 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
TP-1a	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	1, 2, 3, 5	1-1, 1-2, 1-3, 2-2, 2-3, 2-4, 3-1, 3-5	Municipality (likely through NFIP Floodplain Administrator)	SEMO, FEMA	High	FEMA Mitigation Grant Programs and local budget (or property owner) for cost share	Long-term DOF
TP-1b	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	Existing	Flood, Severe Storm	1, 2, 3, 5	1-1, 1-2, 1-3, 2-2, 2-3, 2-4, 3-1, 3-5	Municipality (via NFIP Floodplain Administrator)	SEMO, FEMA	High	FEMA Mitigation Grant Programs and local budget (or property owner) for cost share	Long-term DOF

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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 that action based on available funding.									
TG-2	Consider participation in incentive-based programs such as CRS.	New & Existing	Flood	1, 2, 5	1-1, 1-3, 1-6, 2-1, 2-2, 2-3, 2-4, 5-2	Municipality (likely through NFIP Floodplain Administrator)	SEMO, ISO, FEMA	Low - Medium	Local Budget	Short
TG-3	Continue to support the implementation, monitoring, maintenance, and updating of this Plan, as defined in Section 7.0	New & Existing	All Hazards	1 through 5	All	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
TG-4	Evaluate the benefits of participating in and supporting the National Flood Insurance program.	New & Existing	Flood	1, 2, 4	1-1, 1-2, 1-3, 1-8, 2-2, 2-3, 2-4, 4-1, 4-2, 4-3, 4-4	Municipality (likely through NFIP Floodplain Administrator)	SEMO, ISO, FEMA	Low - Medium	Local Budget	Ongoing
TG-5	Continue to develop, enhance, and implement existing emergency plans.	New & Existing	All Hazards	1, 3	1-1, 1-7, 3-2, 3-4, 3-5	Municipal Emergency Manager with support from County OEM and SEMO	County Emergency Management, SEMO	Low - Medium	Local Budget	Ongoing
TG-6	Create/enhance/ maintain mutual aid agreements with neighboring communities.	New & Existing	All Hazards	3, 5	3-4, 5-1, 5-3	Local Emergency Management, DPW and Roads	Surrounding municipalities and County	Low - Medium	Local Budget	Ongoing
TG-7	Support County-wide initiatives identified in Section 9.1 of the County Annex.	New & Existing	All Hazards	1 through 5	All	Local departments (as applicable for specific initiative)	County and Regional agencies (as appropriate for initiative)	Low - High	Existing programs and grant funding where applicable	Ongoing – Long-term depending on initiative
TG-8	Create/update the Emergency Action Plans for all dams located within	Existing	Flood	1, 3	1-1, 1-6, 1-7, 3-1, 3-2, 3-4	Municipality	Watershed districts (if applicable);	Medium to Low	FEMA HMA	DOF



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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
	the municipality.						neighboring municipalities; County (if applicable); NYS			
TG-9	Implement dam structure repairs as required by dam safety report/protocols	Existing	Flood	3	3-1, 3-3, 3-6	Municipality	Watershed districts (if applicable); neighboring municipalities; County (if applicable); NYS	Medium	FEMA HMA	DOF
TG-10	Support the Installation/Implementation of Community Emergency Alert System	New & Existing	All Hazards	1, 3, 5	1-1, 3-1, 3-3, 3-5, 3-6, 5-1	Municipality	Watershed districts (if applicable); neighboring municipalities; County (if applicable); NYS	Medium	FEMA HMA	DOF
TG-11	Create a mitigation support fund to provide matching funds on an ongoing basis for municipality and residential mitigation projects which will fund cost-sharing portions of projects and be replenished during the annual budget cycle	New & Existing	All Hazards	1, 2, 3, 5	1-3, 1-9, 2-5, 3-1, 5-2	Municipality		Medium	Operating budget	Short
TG-12	Investigate and prioritize the shoulders, ditches and bridges that have washed out in the past and determine appropriate mitigation actions.	New & Existing	Flood	1, 3	1-1, 3-3, 3-6	Local Highway Department	Municipalities, County	Low-High	Budget; Dependant on initiatives	Ongoing



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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
TG-13	Initiate a public education program to ensure that 911 numbers are posted at the road mailbox and on the structure of each dwelling to improve emergency response capabilities.	New & Existing	All Hazards	1, 2, 3	1-1, 2-5, 3-6	Fire House, Ambulance	Emergency Services, County	Medium	Budget	Ongoing
TG-14	Review housing and land use trends in Galway and update the comprehensive plan every five years accordingly.	New & Existing	All Hazards	1, 4	1-3, 1-6, 1-7, 1-8, 4-4	Municipality		Low	Local budget	
TG-15	Consider creating a stream buffer between the stream bank and new development that can protect water quality, prevent erosion, provide for wildlife habitats, protect this important greenspace, and mitigate future flooding. This should be considered for all new development.	New	Flood, Severe Storm	1, 4	1-1, 1-8, 3-1, 4-1, 4-2, 4-4	Municipality		Low	Local budget	
TG-16	Appoint a Conservation Advisory Council (CAC) to advise in the development, management, and protection of the community's natural resources and to prepare an inventory and map of important open spaces in Galway.	NA	All Hazards	1, 4	1-1, 1-8, 4-1, 4-2, 4-4	Municipality		Low to Medium	Local budget	
TG-17	Improve snow removal – based on results of survey and participants in	NA	Severe Winter Storm	1, 3	1-1, 3-4, 3-5, 3-6	Municipality		Medium	Local budget	



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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
	planning workshops as noted in the Comprehensive Plan.									
TG-18	According to the Comprehensive Plan, deterioration of local roads in certain locations can have serious negative impacts on the ability of emergency vehicles to respond to medical, fire or safety emergencies. Prioritize the locations most in need and investigate action alternatives.	New & Existing	All Hazards	1, 3	1-1, 3-4, 3-5	Municipality		Medium to High	FEMA HMA	DOF
TG-19	Implement a public education program to communicate with both year-round and seasonal residents regarding access to homes. Maintenance of private roads within the district throughout the winter is crucial in order to provide emergency services.	Existing	All Hazards	1, 2	1-1, 2-1, 2-2, 2-4, 2-5	Municipality		Medium	Local	
TG-20	Initiate a program to fund maintenance to provide full access to established or new water points or dry-hydrants. The Fire Company does not always have clear access to water points and dry-hydrant systems in the Lake District. Mechanisms need to be in place to ensure	New & Existing	All Hazards	1, 3, 5	1-1, 3-1, 3-2, 3-3, 3-4, 3-5, 3-6, 5-1	Municipality		Low to Medium	Local	



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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
	that water supplies can be reached in the event of a fire.									
TG-21	Increase communication between the Town and residents using local newspapers or establishing a fully-functional Town website (based on result of survey and participants of planning workshops) to increase public awareness of local hazards.	NA	All Hazards	2, 5	2-1, 2-2, 2-3, 2-4, 2-5, 5-3	Municipality		Medium	FEMA HMA	
TG-22	Increase Town's GIS capabilities. Tools are described in the Comp Plan Addendum describing overlays for land use/zoning/preserving agricultural resources	New & Existing	All Hazards	1, 3, 4	1-4, 3-5, 4-1, 4-2, 4-3, 4-4	Municipality		Medium	Local	
TG-23 (SC-26)	Increase culvert size to decrease local flooding L.I.N. 361.00, County Road 14 (Crooked Street) over Lake Butterfield Outlet, Town of Galway	Existing	Flood, Severe Storm	1, 3,	1-1, 1-9, 3-3 3-4	County	Municipality	Med	HMA grant County Capital Budget	Short

Notes: Short term = 1 to 5 years. Long Term= 5 years or greater. OG = On going program. DOF = Depending on funding. PDM = Pre-Disaster Mitigation Grant Program.

\*Does this mitigation initiative reduce the effects of hazards on new and/or existing buildings and/or infrastructure?



## 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 Town 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	TG-3, TG-7, TG-11, TG-13, TG-14, TG-16, TG-19-21	TG-3, TG-7	TG-3, TG-7, TG-13, TG-19, TG-21	TG-3, TG-7	TG-3, TG-5, TG-6, TG-7, TG-10, TG-18	TG-3, TG-7, TG-18
Flooding (riverine, flash, coastal and urban flooding)	TG-2, TG-3, TG-4, TG-7, TG-8, TG-11, TG-13, TG-14, TG-16, TG-19-21, TG-23	TG-1a and b, TG-2, TG-3, TG-4, TG-7	TG-1a and b, TG-2, TG-3, TG-4, TG-7, TG-13, TG-19, TG-21	TG-3, TG-7, TG-15	TG-2, TG-3, TG-5, TG-6, TG-7, TG-8, TG-10, TG-18, TG-23	TG-3, TG-7, TG-9, TG-18, TG-23
Ground Failure	TG-3, TG-7, TG-11, TG-13, TG-14, TG-16, TG-19-21	TG-3, TG-7	TG-3, TG-7, TG-13, TG-19, TG-21	TG-3, TG-7	TG-3, TG-5, TG-6, TG-7, TG-10, TG-18	TG-3, TG-7, TG-18
Severe Storms (windstorms, thunderstorms, hail, lightning and tornados)	TG-2, TG-3, TG-4, TG-7, TG-11, TG-13, TG-14, TG-16, TG-19-21, TG-23	TG-1a and b, TG-2, TG-3, TG-4, TG-7,	TG-1a and b, TG-2, TG-3, TG-4, TG-7, TG-13, TG-19, TG-21	TG-3, TG-7, TG-15	TG-2, TG-3, TG-5, TG-6, TG-7, TG-10, TG-18, TG-23	TG-3, TG-7, TG-18, TG-23
Severe Winter Storm (heavy snow, blizzards, ice storms)	TG-3, TG-7, TG-11, TG-13, TG-14, TG-16, TG-19-21	TG-3, TG-7	TG-3, TG-7, TG-13, TG-19, TG-21	TG-3, TG-7	TG-3, TG-5, TG-6, TG-7, TG-10, TG-17, TG-18	TG-3, TG-7, TG-18

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)
TG-1a	8	H	H	Y	Y	N	M-H*
TG-1b	8	H	H	Y	Y	N	M-H*
TG-2	8	M	L	Y	N	Y	H
TG-3	28	M	M	Y	N (Yes for 5 year update)	Y	H
TG-4	11	L	L	Y	N	Y	H
TG-5	5	M	L	Y	N	Y	M
TG-6	35	M	L	Y	N	Y	H
TG-7	28	H	L-M	Y	Dependant on specific initiative	Dependant on specific initiative	M-H (dependant)
TG-8	6	M	M-L	Y	Y	Y (local match)	M
TG-9	3	M	M	Y	Y	Y (local match)	M
TG-10	6	M	M	Y	Y	Y (local match)	M
TG-11	6	M	M	Y	N	Y	H
TG-12	3	M-H	M-H	Y	Dependant on specific initiative	Dependant on specific initiative	M-H (dependant)
TG-13	3	M	M	Y	N	Y	M
TG-14	5	L	L	Y	N	Y	M
TG-15	6	M	L	Y	N	Y	M
TG-16	5	M	L-M	Y	N	Y	M
TG-17	3	M	M	Y	N	Y	M
TG-18	4	H	M-H	Y	Y	Y (local match)	M
TG-19	5	M	M	Y	N	Y	M
TG-20	8	M	L-M	Y	N	Y	M
TG-21	6	M	M	Y	Y	Y (local match)	M
TG-22	6	M	M	Y	N	Y	M
TG-26	4	M	M	Y	Y	Y	H

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: Yes

Prioritization of initiatives was based on parameters other than stated above: Not applicable.

**I.) FUTURE NEEDS TO BETTER UNDERSTAND RISK/VULNERABILITY**

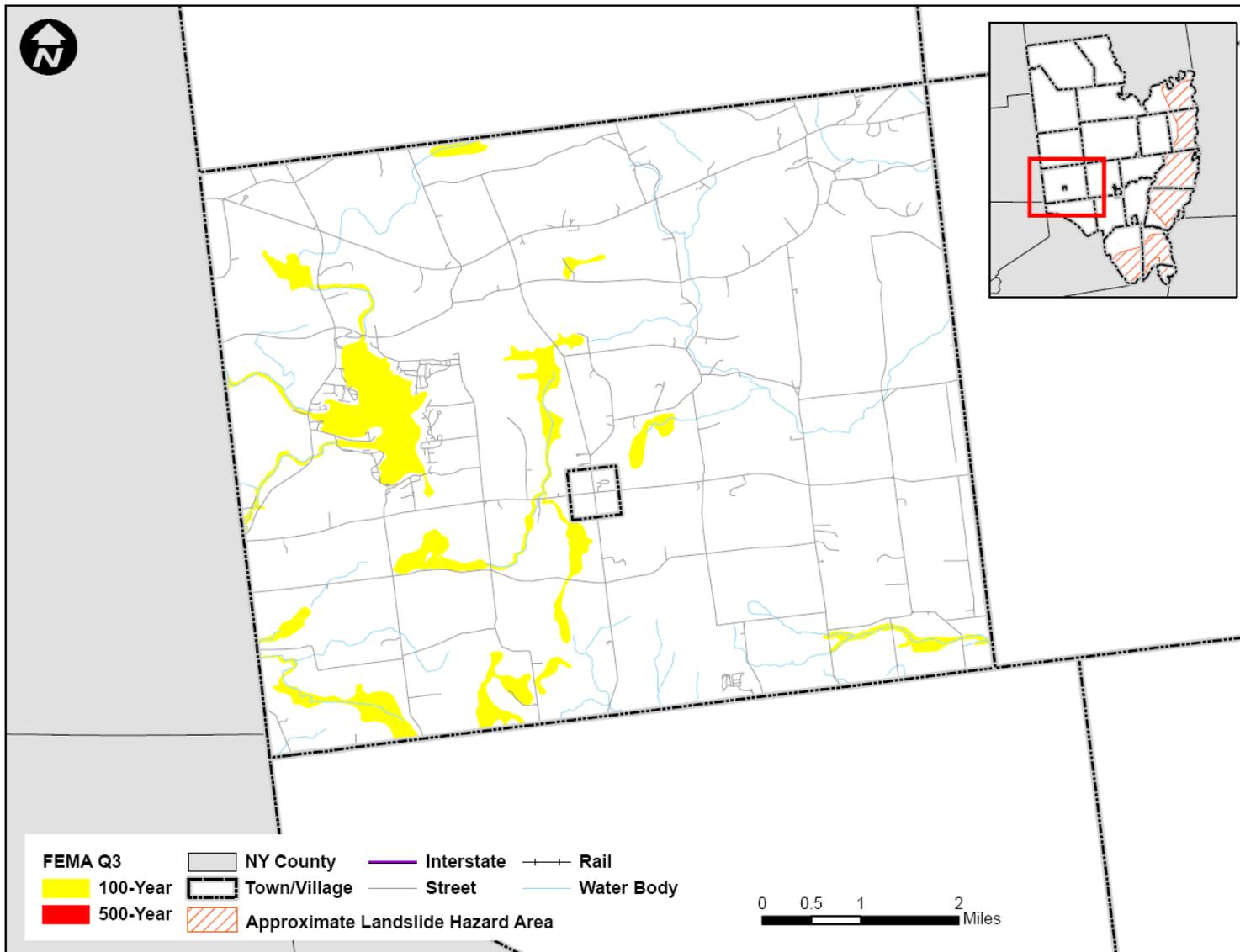
None at this time.

**J.) HAZARD AREA EXTENT AND LOCATION**

A hazard area extent and location map has been generated and is provided below for the Town of Galway to illustrate the probable areas impacted within the Town. This map is based on the best available data at the time of the preparation of this Plan, and is 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 Town of Galway has significant exposure. The County maps are provided in the hazard profiles within Section 5.4, Volume I of this Plan.

**K.) ADDITIONAL COMMENTS**

No additional comments at this time.



Sources: FEMA Q3; FEMA Region II, 2008; HAZUS-MH MR3; NYSRPC, 2008

Notes: NFIP = National Flood Insurance Program

The entire municipality is vulnerable to the following hazards: earthquake, severe storm, and severe winter storm.