



9.16 TOWN OF MENDON

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

9.16.1 Hazard Mitigation Plan Point of Contact

These individuals are the hazard mitigation plan’s primary and alternate points of contact.

Primary Point of Contact	Alternate Point of Contact
John Moffitt, Town Supervisor 16 West Main Street, Honeoye Falls, NY 14472 585-624-6061; 585-752-7468 E-mail: jmoffitt@townofmendon.org	William Smith 101 Semmel Road, Honeoye Falls, NY 14472 585-624-6068; 764-8658 E-Mail: mendonsuper@gmail.com

9.16.2 Municipal Profile

The Town of Mendon is in the southeastern portion of Monroe County and is an affluent Rochester suburb, approximately 20 miles south of the City of Rochester. The town consists of 40.0 square miles in land area and 0.1 square mile of water. The town is bordered by Ontario County to the south and east, by the Town of Pittsford on the north, and by the towns of Henrietta and Rush to the west. Mendon is crossed by Honeoye Creek that enters across the southern town boundary at Honeoye Falls, a village in the southwest part of the town. The Irondequoit Creek Reach 2 also passes through or along the outer boundary of the Town, according to the Monroe County FIS.

The Town of Mendon was established in 1813 when it was annexed from Ontario County on the creation of Monroe County. The 2010 U.S. Census lists a population of 9,152.

Growth/Development Trends

Table 9.16-1 summarizes recent residential/commercial development from 2010 to now and any known or anticipated major residential/commercial development and major infrastructure development identified for the next 5 years. Refer to the maps in Section 9.16.8 of this annex that illustrate the landslide, wildfire, and flood hazard areas.

Table 9.16-1. Growth and Development

Property or Development Name	Type (e.g., Res., Comm.)	# of Units / Structures	Location (address or Parcel ID)	Known Hazard Zones	Description/Status of Development
Recent Development from 2010 to present					
Ridings of Mendon	Res.	2	Old Stable Way	None	Under construction
Known or Anticipated Development in the Next 5 Years					
None Identified					

Note Only location-specific hazard zones or vulnerabilities identified.

9.16.3 Natural Hazard Event History Specific to the Municipality

Monroe County has a history of natural and non-natural hazard events as detailed in Volume I, Section 5.0 of this plan. A summary of historical events is in each of the hazard profiles and includes a chronology of events that affected the County and its municipalities. For this plan update, to the extent possible, all events that occurred in the County were summarized to indicate the range and impact of hazard events. Information regarding specific damages is included, if available, based on reference material or local sources. This



information is in the table below. For details of these and additional events, refer to Volume I, Section 5.0 of this plan.

Table 9.16-2. Hazard Event History

Dates of Event	Event Type	FEMA Declaration # (If Applicable)	County Designated?	Summary of Damages/Losses
June 26 – July 11, 2013	Severe Storms and Flooding	DR-4129	No	Hamlet Basement Flooding Irondequoit Creek
December 21, 2013	Ice Storm	N/A	N/A	Trees Down
May 13-22, 2014	Severe Storms and Flooding	DR-4180	No	Hamlet Basement Flooding Irondequoit Creek
July 28, 2014	Flash Flood	N/A	N/A	Hamlet Basement Flooding Irondequoit Creek
August 20, 2015	Flash Flooding	N/A	N/A	Hamlet Basement Flooding Irondequoit Creek

N/A Not applicable

9.16.4 Hazard Vulnerabilities and Ranking

The hazard profiles in Section 5.0 of this plan have detailed information regarding each plan participant’s vulnerability to the identified hazards. The following summarizes the hazard vulnerabilities and their ranking in the Town of Mendon. For additional vulnerability information relevant to this jurisdiction, refer to Section 5.0.

Hazard Risk/Vulnerability Risk Ranking

Table 9.16-3 summarizes the hazard risk/vulnerability rankings of potential hazards for the Town of Mendon. The hazards of concern for the Town are those with a High hazard ranking.

Table 9.16-3. Hazard Risk/Vulnerability Risk Ranking

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
Severe Storm	Expected Losses from Wind Alone: \$0	Frequent	48	High
Utility Failure	Damage Estimate Not Available	Frequent	39	High
Extreme Temperature	Damage Estimate Not Available	Frequent	36	High
Infestation	Damage Estimate Not Available	Frequent	36	High
Severe Winter Storm	1% Damage Loss Estimate: \$18,513,178 5% Damage Loss Estimate: \$92,565,888 10% Damage Loss Estimate: \$185,131,775	Frequent	36	High
Earthquake ^{d, e}	100-year MRP GBS: \$0 500-year MRP GBS: \$1,285,195 2,500-year MRP GBS: \$18,002,003 Annualized: \$18,734	Frequent	30	Medium
Flood ^d	1% annual chance: \$12,202,201	Frequent	18	Medium
Terrorism	Damage Estimate Not Available	Frequent	18	Medium
Wildfire	Exposed Value in the WUI: \$285,667,065	Frequent	18	Medium
Drought	Damage Estimate Not Available	Frequent	12	Low
Civil Unrest	Damage Estimate Not Available	Occasional	12	Low
Hazardous Materials	Damage Estimate Not Available	Occasional	12	Low





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
Landslide	Exposed: \$0	Frequent	0	Low

Notes:

- a. Building damage ratio estimates based on FEMA 386-2 (August 2001)
- b. The valuation of general building stock and loss estimates was based on custom inventory for the municipality.
High = Total hazard priority risk ranking score of 31 and above
Medium = Total hazard priority risk ranking of 15-30
Low = Total hazard risk ranking below 15
- c. Loss estimates for the severe storm and severe winter storm hazards are structural values only and do not include the value of contents.
- d. Loss estimates for the flood and earthquake hazards represent both structure and contents.
- e. The HAZUS-MH earthquake model results are reported by Census Tract.
- MRP Mean return period
- GBS General building stock
- WUI Wildland-urban interface

National flood insurance Program (NFIP) Summary

Table 9.16-4 summarizes the NFIP statistics for the Town of Mendon.

Table 9.16-4. NFIP Summary

Municipality	# Policies (1)	# Claims (Losses) (1)	Total Loss Payments (2)	# Rep. Loss Prop. (1)	# Severe Rep. Loss Prop. (1)	# Policies in the 1% Flood Boundary (3)
Mendon (T)	23	3	\$20,426	0	0	13

Source: FEMA Region 2 2015

Notes:

- (1) Policies, claims, repetitive loss, and severe repetitive loss statistics provided by FEMA Region 2, and are current as of June 30, 2015. Total number of repetitive loss properties does not include severe repetitive loss properties. Number of claims represents claims closed by June 30, 2015.
 - (2) Total building and content losses from the claims file provided by FEMA Region 2.
 - (3) Number of policies inside and outside of flood zones is based on latitude and longitude provided by FEMA Region 2 in the policy file. FEMA noted that for a property with more than one entry, more than one policy may have been in force or more than one Geographic Information System (GIS) specification was possible.
- Number of policies and claims, and claims total, exclude properties outside Monroe County boundary, based on provided latitude and longitude coordinates.
- T Town

Critical Facilities

Table 9.16-5 presents HAZUS-MH estimates of the damage and loss of use to critical facilities in the community from a 1- and 0.2-percent annual chance flood.

Table 9.16-5. Potential Flood Losses to Critical Facilities

Name	Type	Exposure		Potential Loss from 1% Flood Event		
		1% Event	0.2% Event	Percent Structure Damage	Percent Content Damage	Days to 100-Percent ⁽²⁾
Mendon Town Hall	Town Hall	X	X	0	0	-
Town of Mendon Court	Court	X	X	0	0	-

Source: Monroe County; HAZUS-MH 2.2; FEMA 2015





Note (1): HAZUS-MH 2.2 provides a general indication of the maximum restoration time for 100% operations. Clearly, a great deal of effort is needed to quickly restore essential facilities to full functionality; therefore this will be an indication of the maximum downtime (HAZUS-MH 2.2 User Manual).

Note (2): In some cases, a facility may be in the DFIRM flood hazard boundary; however HAZUS did not calculate potential loss. This may be because the depth of flooding does not amount to any damages to the structure according to the depth damage function used in HAZUS for that facility type. HAZUS-MH may estimate potential damage to a facility outside the DFIRM because the model generated a depth grid beyond the DFIRM boundaries.

- NA Not available
- X Facility located within the DFIRM boundary
- Not calculated by HAZUS-MH 2.2

Other Vulnerabilities Identified

The municipality identified these additional vulnerabilities in their community:

- Irondequoit Creek in the Hamlet of Mendon – the bridge over the Irondequoit Creek needs to be modified to handle more volume of water during floods. The bridge was replaced a few years ago and it can't handle enough water. The Town has talked to NYS DOT on the matter.
- Flood-vulnerable properties/areas in the town include the Quaker Meeting House Road (between Boughton Hill Road and Cheese Factory Road), Plains Road (at Junction Rd), the Hamlet of Mendon, and Lanning Road. Basement flooding in the Hamlet of Mendon from flooding on Irondequoit Creek has been reported on numerous occasions in the past 5 years.

9.16.5 Capability Assessment

This section identifies the capabilities of the local jurisdiction:

- Planning and regulatory capability
- Administrative and technical capability
- Fiscal capability
- Community classification
- National flood insurance Program
- Integration of Mitigation Planning into Existing and Future Planning Mechanisms

Planning and Regulatory Capability

Table 9.16-6 summarizes the regulatory tools available to the Town of Mendon.

Table 9.16-6. Planning and Regulatory Tools

Tool / Program (code, ordinance, plan)	Do you have this? (Yes/No) If Yes, date of adoption or update	Authority (local, county, state, federal)	Dept. /Agency Responsible	Code Citation and Comments (Code Chapter, name of plan, explanation of authority, etc.)
Planning Capability				
Master Plan	Yes	Town	Town Board	-
Capital Improvements Plan	Yes	Town	Town Board	2011-2016 (5-year) capital improvement plan
Floodplain Management / Basin Plan	Yes	Town	Building Dept.	Chapter 200, Zoning, 3-26-2007; 200-29 EPOD 8 Flood Damage Prevention Overlay District
Stormwater Management Plan	Yes	Town	Highway Dept.	Chapter 168: Stormwater Management, Article II: Design and Management of Post construction





Tool / Program (code, ordinance, plan)	Do you have this? (Yes/No) If Yes, date of adoption or update	Authority (local, county, state, federal)	Dept. /Agency Responsible	Code Citation and Comments (Code Chapter, name of plan, explanation of authority, etc.)
				Stormwater Pollution Prevention Measures, Adopted 11-26-2007
Open Space Plan	Yes	Town	Town Board	Environmental Conservation Board Chapter 12
Stream Corridor Management Plan	No	-	-	-
Watershed Management or Protection Plan	Yes	County	Stormwater Coalition	Freshwater Wetlands Chapter 111
Economic Development Plan	No	-	-	-
Comprehensive Emergency Management Plan	No	-	-	-
Emergency Response Plan	Yes	Town	Highway Dept.	Emergency Preparedness (Disaster) Plan Adopted by resolution 01/05/15)
Post-Disaster Recovery Plan	No	-	-	-
Transportation Plan	No	-	-	-
Strategic Recovery Planning Report	No	-	-	-
Other Plans	No	-	-	-
Regulatory Capability				
Building Code	Yes	Town	Building Dept.	Uniform Code Enforcement Chapter 190
Zoning Ordinance	Yes	Town	Building Dept.	Zoning Chapter 200
Subdivision Ordinance	Yes	Town	Building Dept.	Subdivision of Land Chapter 174
NFIP Flood Damage Prevention Ordinance	Yes	Town	Building Dept.	EPOD 8 Flood Damage Prevention Chapter 200-29
NFIP: Cumulative Substantial Damages	No	-	-	-
NFIP: Freeboard	Yes	State, Local	-	State mandated Base Flood Elevation (BFE)+2 for single and two-family residential construction, BFE+1 for all other construction types
Growth Management Ordinances	No	-	-	-
Site Plan Review Requirements	Yes	Town	Building Dept.	Chapter 200
Stormwater Management Ordinance	Yes	Town	Building Dept.	Stormwater Management Chapter 168
Municipal Separate Storm Sewer System (MS4)	Yes	Town	Building Dept.	Storm Sewers Chapter 167
Natural Hazard Ordinance	No	-	-	-
Post-Disaster Recovery Ordinance	No	-	-	-
Real Estate Disclosure Requirement	Yes	State	-	NYS mandate, Property Condition Disclosure Act, NY Code – Article 14 §460-467
Other [Special Purpose Ordinances (i.e., sensitive areas,	No	-	-	-



Tool / Program (code, ordinance, plan)	Do you have this? (Yes/No) If Yes, date of adoption or update	Authority (local, county, state, federal)	Dept. /Agency Responsible	Code Citation and Comments (Code Chapter, name of plan, explanation of authority, etc.)
steep slope]]				

Administrative and Technical Capability

Table 9.16-7 summarizes potential staff and personnel resources available to the Town of Mendon.

Table 9.16-7. Administrative and Technical Capabilities

Resources	Is this in place? (Yes or No)	Department/ Agency/Position
Administrative Capability		
Planning Board	Yes	Planning Board
Mitigation Planning Committee	No	-
Environmental Board/Commission	Yes	Planning Board
Open Space Board/Committee	No	-
Economic Development Commission/Committee	No	-
Maintenance Programs to Reduce Risk	No	-
Mutual Aid Agreements	Yes	Town Board
Technical/Staffing Capability		
Planners or Engineers with knowledge of land development and land management practices	Yes	MRB Engineering
Engineers or Professionals trained in construction practices related to buildings or infrastructure	Yes	Code Enforcement Officer
Planners or engineers with an understanding of natural hazards	Yes	MRB Engineering
NFIP Floodplain Administrator	Yes	Code Enforcement Officer
Surveyors	No	-
Personnel skilled or trained in GIS or HAZUS-MH applications	No	-
Scientist familiar with natural hazards	No	-
Emergency Manager	No	-
Grant Writers	No	-
Staff with expertise or training in benefit/cost analysis	Yes	MRB Engineering
Professionals trained in conducting damage assessments	Yes	Highway Superintendent

Fiscal Capability

Table 9.16-8 summarizes financial resources available to the Town of Mendon.

Table 9.16-8. Fiscal Capabilities

Financial Resources	Accessible or Eligible to Use (Yes/No)
Community development Block Grants (CDBG, CDBG-DR)	Yes
Capital Improvements Project Funding	Yes





Financial Resources	Accessible or Eligible to Use (Yes/No)
Authority to Levy Taxes for specific purposes	Yes
User fees for water, sewer, gas or electric service	No
Impact Fees for homebuyers or developers of new development/homes	Yes
Stormwater Utility Fee	Yes
Incur debt through general obligation bonds	Yes
Incur debt through special tax bonds	No
Incur debt through private activity bonds	Yes
Withhold public expenditures in hazard-prone areas	No
Other Federal or State Funding Programs	Yes
Open Space Acquisition Funding Programs	No
Other	No

Community Classifications

Table 9.16-9 summarizes classifications for community program available to the Town of Mendon.

Table 9.16-9. Community Classifications

Program	Do you have this? (Yes/No)	Classification (if applicable)	Date Classified (if applicable)
Community Rating System (CRS)	No	NP	-
Building Code Effectiveness Grading Schedule (BCEGS)	Yes	State of NY	2010
Public Protection (Insurance Services Office [ISO] Fire Protection Classes 1 to 10)	Yes	Fire Departments	-
Storm Ready	Yes	StormReady County	-
Firewise	No	NP	-
Disaster/Safety Programs in/for Schools	Yes	-	-
Organizations with Mitigation Focus (advocacy group, non-government)	No	-	-
Public Education Program/Outreach (through website, social media)	Yes	-	-
Public-Private Partnerships	No	-	-

NP Not participating
 - Unavailable

The classifications in Table 9.16-9 relate to the community’s ability to provide effective services to lessen its vulnerability to the 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 1 being the best possible classification, and class 10 representing no classification benefit. Firewise classification is higher if the subject property is more than 1000 feet from a creditable fire hydrant and is within 5 road miles of a recognized Fire Station.

Criteria for classification credits are in:





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

Self-Assessment of Capability

Table 9.16-10 has an approximate measure of the Town of Mendon’s capability to work in a hazard-mitigation capacity or effectively implement hazard mitigation strategies to reduce hazard vulnerabilities.

Table 9.16-10. Self-Assessment Capability for the Municipality

Area	Degree of Hazard Mitigation Capability		
	Limited (If limited, what are your obstacles?)	Moderate	High
Planning and Regulatory Capability		X	
Administrative and Technical Capability		X	
Fiscal Capability		X	
Community Political Capability		X	
Community Resiliency Capability		X	
Capability to Integrate Mitigation into Municipal Processes and Activities.			X

National flood insurance Program

NFIP Floodplain Administrator (FPA)

Code Enforcement Officer, Fire Marshal

Flood Vulnerability Summary

Flood-vulnerable properties/areas in the town include the Quaker Meeting House Road, Plains Road, Hamlet, and Lanning Road. Hamlet basement flooding and flooding on Irondequoit Creek have been reported on numerous occasions in the past 5 years.

Resources

The FPA is the sole person assuming the responsibilities of floodplain administration, doing permit reviews, inspections, damage assessments, and record-keeping. The town does not provide any education or outreach to the community regarding flood hazards/risk, and flood risk reduction through NFIP insurance, mitigation, etc.

The FPA is adequately supported and trained to fulfill the responsibilities of municipal Floodplain Administrator, and does not report any barriers to running an effective floodplain management program in the town.

The FPA would consider attending continuing education or certification training on floodplain management if it were offered in the County for all local floodplain administrators.





Compliance History

According to the NFIP Community Status Book, the Town of Mendon is currently in good standing with the NFIP. As of June 30, 2015, there are 23 policies in force, 13 of which are in the 1 percent flood boundary. There are no repetitive loss or severe repetitive loss properties in the Town. Since 1978, 3 claims have been paid totaling \$20,426. According to the current NFIP Policy Statistics report, the policies in the Town of Mendon insure more than \$3.6 million of property with annual premiums of \$23,596.

Regulatory

The town's floodplain management regulations/ordinances exceed the FEMA and State minimum requirements. The town has additional ordinances, plans or programs (e.g., site plan review) that support floodplain management and meet the NFIP requirements. For instance, EPOD regulations do not permit construction in flood zones.

Community Rating System

The Town of Mendon has considered joining the Community Rating System (CRS) program to reduce flood insurance premiums for their insured, but does not participate in the program at this time.

Other Capabilities Identified

Previous actions that are now on-going programs and capabilities are (Refer to Table 9.16-11):

- As part of its ongoing operations the Town Highway Department:
 - Stockpiles emergency supplies
 - Ensures proper disposal of hazardous waste
 - Enforces government permit processes
 - Provides comprehensive inspection services, along with the Town Engineer
 - Maintains public infrastructure
 - Complies with applicable federal and state regulations
 - Encourages affected property owners to purchase flood insurance in coordination with the Mendon Fire Department
 - Develops strategies to reduce the time it takes to clear streets (Rights-of-Way) of debris
 - Regularly reviews restoration priorities
 - Develops DPW/DOT Plans for debris clearance, removal, and disposal
 - Provides construction information and project status on sites that impact traffic
 - Provides power back-up supply for municipal fueling stations.
- As part of its ongoing operations the Town Board:
 - Solicits Mutual Aid agreements.
 - Engages emergency service jurisdictions in local municipal government processes.
 - Solicits inter-municipal and interagency cooperation.
 - Regularly reviews local laws
 - Develops alternate communications plan
 - Provides public outreach during an emergency
- As part of its ongoing operations the Town Building Department:
 - Administers a Floodplain Management Program
 - Maintains urban forests
 - Enforces building codes as required for existing and new infrastructure
 - Complies with applicable federal and state regulations
 - Encourages installation of backup power supply



- Promotes understanding and use of (telephone number) 811, Call Before You Dig
- Enacts local laws, specifically the Environmental Protection Overlay District (EPOD) to restrict development on steep slopes and to require property owners or mine operators to rehabilitate open mines at closing
- The Town board is in the process of installing permanent backup power at the Town Hall.
- The Town Planning Board identifies special hazard areas as part of its ongoing operations.

Integration of Hazard Mitigation into Existing and Future Planning Mechanisms

For a community to succeed in reducing long-term risk, hazard mitigation must be integrated into the day-to-day local government operations. As part of this planning effort, each community was surveyed to obtain a better understanding of their community's progress in plan integration. A summary is provided below. The community identified specific integration activities that will be incorporated into municipal procedures.

Planning

Land Use Planning: The Town of Mendon has a Planning Board and Zoning Board of Appeals that review all applications for development and consider natural hazard risk areas. Many development activities require additional levels of environmental review, specifically NYS SEQR and Federal NEPA requirements.

Town of Mendon Comprehensive Plan, 2005: The Town of Mendon updated its Comprehensive Master Plan to focus on development and land use in the Town in areas outside and around the Village of Honeoye Falls. The plan includes the identification of natural hazard risk areas and environmentally sensitive areas, and two of its topical areas are (1) natural resources and environmental protection and (2) parks, recreation, and open space. Specific hazard and natural resource areas identified include waterways and drainage basins, floodplains, wetlands, woodlots, and steep slopes. The Comprehensive Plan contains land use and zoning recommendations for managing hazard risks and directing growth. Some of the recommendations included:

1. Maintain and enforce development regulations that prohibit unnecessary site disruption, cut and fill, and vegetation removal. Manage erosion, sedimentation and runoff, and establish standards for the replacement of lost plant materials and the planting of new materials on completion of construction.
2. Maintain and enforce the Town's environmental protection overlay district (EPOD) regulations.
3. Limit the use of publicly-owned sensitive areas to low impact activities, (e.g., environmental education, walking, hiking, jogging, and cross-country skiing).
4. Work with public and private entities to acquire land or easements to land that adjoin EPOD areas and to connect protected land areas.
5. Work with public and private agencies to implement the Irondequoit Basin Watershed Management Plan and to prepare and implement the Genesee River Basin Water Quality Management Plan, which includes the Honeoye Creek Basin.
6. Install sanitary sewers to serve the central portion of the Hamlet of Mendon.

Regulatory and Enforcement

Environmental Conservation Board Chapter 12: The Town's Environmental Conservation Board works to ensure that the Town of Mendon maintains the biological integrity of the natural environment for aesthetic and functional benefits.

Freshwater Wetlands Chapter 111: This chapter establishes the Town's authority over any activities related to wetlands. It notes that freshwater wetlands are an invaluable resource for flood protection, wildlife habitat, open space, water resources, recreation, and more, and it seeks to preserve and protect local freshwater wetlands.



Storm Sewers Chapter 167: The Town promotes the health and safety of its residents by protecting and enhancing the water quality of its waterways, consistent with the Federal Clean Water Act. Under this determination, the Town seeks to reduce stormwater discharge pollutants, non-stormwater discharges to the storm drain system, and stormwater discharges to sanitary sewers.

Stormwater Management Chapter 168: The Town's stormwater management chapter seeks to mediate the adverse impacts of stormwater runoff rates and erosion caused by existing drainage systems. It also controls the degradation of water quality.

Stormwater Coalition: As part of its normal operations, the Town participates in the Monroe County Stormwater Coalition. Through the Coalition, members work together to comply with federal regulations and improve water quality. Programs enacted through the Coalition include outreach and training, technical assistance, investigations of illegal discharges, pollution prevention, and identifying needed infrastructure.

Subdivision of Land Chapter 174: The Town's Planning Board is tasked with site plan/subdivision review. The Planning Board pays special attention to ensure that developments mitigate the issues associated with natural hazards.

Uniform Code Enforcement Chapter 190: The building codes are strictly enforced to make new and renovated buildings as prepared as possible for hazard related incidents. The Town complies with New York State Uniform Fire Prevention and Building Code (the Uniform Code) and the State Energy Conservation Construction Code (the Energy Code).

Zoning Chapter 200: The Town of Mendon zoning code includes districts and standards pertaining to the mitigation of hazards. The district of most note for hazard mitigation is the EPOD. The EPOD district is further divided into environmental areas of concern.

EPOD 8 Flood Damage Prevention Chapter 94-37: This article promotes the public health, safety, and general welfare of residents and seeks to minimize public and private losses from floods and erosion. The chapter regulates development to promote flood resistant structures and controls the alteration of floodplains to prevent increased vulnerability.

Fiscal

Operating Budget: The Town's operating budget has minimal provisions for expected repairs like snow removal and infrastructure repair after a storm or natural disaster. It has funding for drainage (easements), brush pickup, and other preparedness/mitigation measures.

Capital Improvement Program: The Town of Mendon completes 5-year capital improvement plans to identify capital project goals and implementation information. The 2011-2016 plan has relevant and beneficial projects including road improvements to local parks, improvements to the Highway Department building, and necessary equipment for the Highway Department, including sweepers, backhoes, and other multi-use vehicles.

Education and Outreach

Town of Mendon staff attend trainings and classes sponsored by Monroe County Department of Planning and Development, Monroe County Office of Emergency Management, or by state and federal agencies, as able and to meet all professional requirements. Town emergency responders have the option to attend courses at the Monroe County Public Safety Training Facility.



Although the Town website does not have a webpage devoted to hazard education materials, it does provide some helpful hazard reference documents, including EPOD maps, deer management information, and upcoming road closure information. Residents have the ability to sign up for reverse 911 cell phone notifications of emergency situations through the Monroe County Emergency Communications Department.

9.16.6 Mitigation Strategy and Prioritization

This section discusses past mitigation actions and status, describes proposed hazard mitigation initiatives, and prioritization.

Past Mitigation Initiative Status

Table 9.16-11 indicates progress on the community's mitigation strategy identified in the 2011 Plan. Actions that are carried forward as part of this plan update are included in the following subsection in Table 9.16-12 with prioritization. Previous actions that are now on-going programs and capabilities are indicated as such in Table 9.16-11 and may also be found in the Capability Assessment section.



Table 9.16-11. Past Mitigation Initiative Status

2011 Mitigation Action	Responsible Party	Status (In progress, No progress, Complete)	Describe Status 1. Please describe what was accomplished and indicate % complete. 2. If there was no progress, indicate what obstacles/delays encountered? 3. If there was progress, how is/was the action being funded (e.g., FEMA HMGP grant, local budget)?	Next Step (Include in 2017 HMP? or Discontinue)	Describe Next Step 1. If including action in the 2017 HMP, revise/reword to be more specific (as appropriate). 2. If discontinue, explain why.
ES-3: Establish an active recruitment and retention (of providers) program.	N/A	No Progress	N/A	Discontinue	Not applicable to Town.
ES-4: Stockpile emergency supplies.	Highway	Complete	Ongoing	Discontinue	Integrated into normal operations
ES-5: Solicit mutual aid agreements.	Town Board	Complete	Ongoing	Discontinue	Integrated into normal operations
ES-6: Engage emergency service jurisdictions in local municipal government processes.	Town Board	Complete	Ongoing	Discontinue	Integrated into normal operations
NRP-1: Ensure proper disposal of hazardous waste.	Highway	Complete	Ongoing	Discontinue	Integrated into normal operations
NRP-2: Enforce government permit processes. This may pertain to existing or new infrastructure.	Highway	Complete	Ongoing	Discontinue	Integrated into normal operations
NRP-3: Provide comprehensive inspection services. This may pertain to existing or new infrastructure.	Highway	In Progress	Town Engineer	Discontinue	Integrated into normal operations
NRP-4: Administer a floodplain management program. This may pertain to existing or new infrastructure.	Building Department	Complete	Ongoing	Discontinue	Integrated into normal operations
NRP-5: Maintain Urban Forests.	Building Department	Complete	Ongoing	Discontinue	Integrated into normal operations
PEA-3: Review utility service & restoration plans.	N/A	No Progress	N/A	Discontinue	Not applicable to Town.





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2011 Mitigation Action	Responsible Party	Status (In progress, No progress, Complete)	Describe Status 1. Please describe what was accomplished and indicate % complete. 2. If there was no progress, indicate what obstacles/delays encountered? 3. If there was progress, how is/was the action being funded (e.g., FEMA HMGP grant, local budget)?	Next Step (Include in 2017 HMP? or Discontinue)	Describe Next Step 1. If including action in the 2017 HMP, revise/reword to be more specific (as appropriate). 2. If discontinue, explain why.
PEA-4: Identify and use a speaker's bureau.	N/A	No Progress	N/A	Discontinue	Not applicable to Town.
PP-1: Identify special hazard areas.	Planning Board	In Progress	Ongoing	Discontinue	Integrated into normal operations
PP-2: Maintain public infrastructure. This may pertain to existing or new infrastructure.	Highway	In Progress	Ongoing	Discontinue	Integrated into normal operations
PP-3: Solicit inter-municipal and interagency cooperation.	Town Board	In Progress	Ongoing	Discontinue	Integrated into normal operations
PP-4: Promote purchase of appropriate hazard insurance policies. This may pertain to existing or new infrastructure.	N/A	No Progress	N/A	Discontinue	Not applicable to Town.
PP-5: Property acquisition	N/A	No Progress	N/A	Discontinue	Not applicable to Town.
PR-1: Enforce building codes as required for existing and new infrastructure.	Building Department	In Progress	Ongoing	Discontinue	Integrated into normal operations
PR-2: Comply with applicable federal and state regulations.	Building Dept. & Highway	In Progress	Ongoing	Discontinue	Integrated into normal operations
PR-5: Regular review of local laws	Town Board	In progress	Ongoing	Discontinue	Integrated into normal operations
SP-1: Disaster proof public facilities. This may pertain to existing or new infrastructure.	N/A	No Progress	N/A	Discontinue	Not applicable to Town.
SP-2: Secure and provide redundant critical systems and facilities. This may pertain to existing or new infrastructure.	N/A	No Progress	N/A	Discontinue	Not applicable to Town.



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	Responsible Party	Status (In progress, No progress, Complete)	Describe Status 1. Please describe what was accomplished and indicate % complete. 2. If there was no progress, indicate what obstacles/delays encountered? 3. If there was progress, how is/was the action being funded (e.g., FEMA HMGP grant, local budget)?	Next Step (Include in 2017 HMP? or Discontinue)	Describe Next Step 1. If including action in the 2017 HMP, revise/reword to be more specific (as appropriate). 2. If discontinue, explain why.
2011 Mitigation Action SP-3: Target harden facilities. This may pertain to existing or new infrastructure.	N/A	No Progress	N/A	Discontinue	Not applicable to Town.
SP-4: Expand fiber telecommunications networks.	N/A	No Progress	N/A	Discontinue	Not applicable to Town.
Dam-PEA-1: Churchville Project. Provide maps of flood plain area to residents who could be affected by a dam failure. This may pertain to existing or new infrastructure.	N/A	No Progress	N/A	Discontinue	Not applicable to Town.
Dam-PEA-2: Riga Project. Provide maps of flood plain area to residents who could be affected by a dam failure. This may pertain to existing or new infrastructure.	N/A	No Progress	N/A	Discontinue	Not applicable to Town.
EPI-PR-2: Local project. Provide HIV screening and public education (Democrat & Chronicle, 7-21-03).	N/A	No Progress	N/A	Discontinue	Not applicable to Town.
Fire-ES-1: Local project. The Henrietta Fire District is developing a Special Operations Unit for Confined Space Rescue, Low and High-Angle Rescue, Water Rescue, and Trench Rescue.	N/A	No Progress	N/A	Discontinue	Not applicable to Town.
Fire-ES-2: Local project. Continue to provide emergency medical services to the community. The Churchville Volunteer Fire Department is the first responder agency to all medical emergencies in our community.	N/A	No Progress	N/A	Discontinue	Not applicable to Town.
Fire-PEA-1: Local project. Henrietta Fire District develops and schedules an	N/A	No Progress	N/A	Discontinue	Not applicable to Town.





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	Responsible Party	Status (In progress, No progress, Complete)	Describe Status 1. Please describe what was accomplished and indicate % complete. 2. If there was no progress, indicate what obstacles/delays encountered? 3. If there was progress, how is/was the action being funded (e.g., FEMA HMGP grant, local budget)?	Next Step (Include in 2017 HMP? or Discontinue)	Describe Next Step 1. If including action in the 2017 HMP, revise/reword to be more specific (as appropriate). 2. If discontinue, explain why.
<p>2011 Mitigation Action annual campaign for fire prevention using its mobile Fire Safety Trailer and a portable interactive kiosk at schools, community functions, and public facilities.</p>					
<p>Fire-PEA-2: Local project. Churchville Volunteer Fire Department develops and schedules an annual campaign for Fire Prevention at schools, community functions, and public facilities using its interactive displays.</p>	N/A	No Progress	N/A	Discontinue	Not applicable to Town.
<p>Fire-PP-1: Encourage residential use of smoke detectors through public education, and give away programs. This may pertain to existing or new infrastructure.</p>	N/A	No Progress	N/A	Discontinue	Not applicable to Town.
<p>Fire-SP-1: Local project. Plan, design and develop enhanced, local facilities for on-site specialized emergency training.</p>	N/A	No Progress	N/A	Discontinue	Not applicable to Town.
<p>FI-ES-1: Provide Special Operations and Tactical Rescue training including water rescue training</p>	N/A	No Progress	N/A	Discontinue	Not applicable to Town.
<p>FI-ES-4: Churchville project. Enhance fire department personnel emergency notification</p>	N/A	No Progress	N/A	Discontinue	Not applicable to Town.
<p>FI-ES-5: Churchville project. Provide water rescue training and equipment e.g. wet suits and associated equipment.</p>	N/A	No Progress	N/A	Discontinue	Not applicable to Town.
<p>FI-PEA-1: Provide information about the Eric Canal and its spillway locations</p>	N/A	No Progress	N/A	Discontinue	Not applicable to Town.





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2011 Mitigation Action	Responsible Party	Status (In progress, No progress, Complete)	Describe Status 1. Please describe what was accomplished and indicate % complete. 2. If there was no progress, indicate what obstacles/delays encountered? 3. If there was progress, how is/was the action being funded (e.g., FEMA HMGP grant, local budget)?	Next Step (Include in 2017 HMP? or Discontinue)	Describe Next Step 1. If including action in the 2017 HMP, revise/reword to be more specific (as appropriate). 2. If discontinue, explain why.
FI-PEA-3: Riga project. Provide maps of flood plain area to residents who could be affected by a dam failure. This may pertain to existing or new infrastructure.	N/A	No Progress	N/A	Discontinue	Not applicable to Town.
FI-PP-1: Encourage affected property owners to purchase flood insurance. This may pertain to existing or new infrastructure.	Highway & Mendon Fire Dept.	In Progress	Ongoing	Discontinue	Integrated into normal operations
FI-PP-2: Participate in the federal Community Rating System. This may pertain to existing or new infrastructure.	N/A	No Progress	N/A	Discontinue	Not applicable to Town.
FI-PP-4: Local project. Town of Gates Multi-Lot Letter of Map Amendment for more than 100 homes that were mislabeled as residing in flood zones on FEMA maps (Democrat & Chronicle, 1.22.10).	N/A	No Progress	N/A	Discontinue	Not applicable to Town.
FI-PP-5: Local projects with the U.S. Army Corps of Engineers, "Risk Management Program." Levy inspection, safety analysis and maintenance requirements (SEMO Region V meeting, 7.29.08).	N/A	No Progress	N/A	Discontinue	Not applicable to Town.
FI-PR-1: Implement an annual, waterway/drainage maintenance program	N/A	No Progress	N/A	Discontinue	Not applicable to Town.
FI-PR-5: Local project. Implement an annual de-silting program in the Town of Henrietta, to increase the storage capacity for storm water detention and retention ponds. This may pertain to existing or new infrastructure.	N/A	No Progress	N/A	Discontinue	Not applicable to Town.





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	Responsible Party	Status (In progress, No progress, Complete)	Describe Status 1. Please describe what was accomplished and indicate % complete. 2. If there was no progress, indicate what obstacles/delays encountered? 3. If there was progress, how is/was the action being funded (e.g., FEMA HMGP grant, local budget)?	Next Step (Include in 2017 HMP? or Discontinue)	Describe Next Step 1. If including action in the 2017 HMP, revise/reword to be more specific (as appropriate). 2. If discontinue, explain why.
<p>2011 Mitigation Action</p> <p>FI-PR-6: Local project. Town of Greece drainage study on Fleming and Veness creeks between Latta Road, Windsor Blvd., Denise Road and Dewey Ave. (Democrat & Chronicle, 1.3.10).</p>	N/A	No Progress	N/A	Discontinue	Not applicable to Town.
<p>FI-SP-1: Local project. Implement mitigation measures for Irondequoit Creek, as identified by the U.S. Army Corps of Engineer's 2003 proposal, and as agreed by local parties. (Reference – Democrat & Chronicle, 3-2-03). This may pertain to existing or new infrastructure.</p>	N/A	No Progress	N/A	Discontinue	Not applicable to Town.
<p>FI-SP-2: Local project. Implement municipal mitigation measures identified by USGS modeling, proposed by the Storm Water Coalition and agreed by local parties. This may pertain to existing or new infrastructure.</p>	N/A	No Progress	N/A	Discontinue	Not applicable to Town.
<p>FI-SP-5: Local project. Design and build a regional detention facility upstream of the Rolling Meadows and Tallwoods Subdivision in the Town of Parma. This may pertain to existing or new infrastructure.</p>	N/A	No Progress	N/A	Discontinue	Not applicable to Town.
<p>FI-SP-6: Local project. Town of Parma bridge replacement on Hill Road (Town ROW), over Salmon Creek to raise the bridge approaches from the floodplain, to increase the freeboard elevation, to decrease backwater, and to meet 50-year storm construction standards. This may</p>	N/A	No Progress	N/A	Discontinue	Not applicable to Town.





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2011 Mitigation Action	Responsible Party	Status (In progress, No progress, Complete)	Describe Status 1. Please describe what was accomplished and indicate % complete. 2. If there was no progress, indicate what obstacles/delays encountered? 3. If there was progress, how is/was the action being funded (e.g., FEMA HMGP grant, local budget)?	Next Step (Include in 2017 HMP? or Discontinue)	Describe Next Step 1. If including action in the 2017 HMP, revise/reword to be more specific (as appropriate). 2. If discontinue, explain why.
pertain to existing or new infrastructure.					
FI-SP-7: Local project. Town of Henrietta replace road culverts to improve flow and reduce flooding potential on Parkmeadow Drive, Tomahawk Trail and Colleen Way. This may pertain to existing or new infrastructure.	N/A	No Progress	N/A	Discontinue	Not applicable to Town.
Ice-ES-1: Develop a strategy to reduce the time it takes to clear streets (Rights-of-Way) of debris	Highway	In Progress	Ongoing	Discontinue	Integrated into normal operations
Ice-ES-2: Regularly review restoration priorities	Highway	In Progress	Ongoing	Discontinue	Integrated into normal operations
Ice-ES-3: Enhance utility Town Liaison Program	N/A	No Progress	N/A	Discontinue	Not applicable to Town.
Ice-NRP-1: Churchville project. Replace trees (forestation) in Village of Churchville that were destroyed by various storm events.	N/A	No Progress	N/A	Discontinue	Not applicable to Town.
Ice-PEA-2: Develop alternate communications plan	Town Board	In Progress	Ongoing	Discontinue	Integrated into normal operations
Ice-PEA-3: Provide automated utility restoration schedule to the public	N/A	No Progress	N/A	Discontinue	Not applicable to Town.
Ice-PEA-4: Provide more public outreach during an emergency	Town Board	In Progress	Ongoing	Discontinue	Integrated into normal operations





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2011 Mitigation Action	Responsible Party	Status (In progress, No progress, Complete)	Describe Status 1. Please describe what was accomplished and indicate % complete. 2. If there was no progress, indicate what obstacles/delays encountered? 3. If there was progress, how is/was the action being funded (e.g., FEMA HMGP grant, local budget)?	Next Step (Include in 2017 HMP? or Discontinue)	Describe Next Step 1. If including action in the 2017 HMP, revise/reword to be more specific (as appropriate). 2. If discontinue, explain why.
Ice-PEA-5: Expand utility customer service capacity	N/A	No Progress	N/A	Discontinue	Not applicable to Town.
Ice-PEA-6: Expand information available on websites	N/A	No Progress	N/A	Discontinue	Not applicable to Town.
Ice-PP-1: Encourage installation of backup power supply. This may pertain to existing or new infrastructure.	Building Dept.	In Progress	Ongoing	Include in 2017 HMP	Install backup power at the Community Center at 167 North Main St.
Ice-PR-1: Implement an annual, tree/stream maintenance program	N/A	No Progress	N/A	Discontinue	Not applicable to Town.
Ice-PR-2: Relocate vulnerable utilities. This may pertain to existing or new infrastructure.	N/A	No Progress	N/A	Discontinue	Not applicable to Town.
Ice-PR-2A: Fairport Electric project. Relocate vulnerable utilities	N/A	No Progress	N/A	Discontinue	Not applicable to Town.
Ice-PR-2B: Fairport Electric Project. Relocate vulnerable utilities	N/A	No Progress	N/A	Discontinue	Not applicable to Town.
Ice-PR-3: Develop DPW/DOT plans for debris clearance, removal, and disposal	Highway	In Progress	Ongoing	Discontinue	Integrated into normal operations
Ice-PR-4: Lobby state and federal officials to require permanent installation of emergency generators on-site at health care facilities and elderly housing facilities. This may pertain to existing or new infrastructure.	N/A	No Progress	N/A	Discontinue	Not applicable to Town.
Ice-SP-1: Install permanent backup power supply at public facilities. This may pertain to existing or new	Town Board	In Progress	The Town applied for a Grant for a backup generator for Town Hall	Include in 2017 HMP	Install backup power at the Community Center at 167 North Main St.





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2011 Mitigation Action	Responsible Party	Status (In progress, No progress, Complete)	Describe Status 1. Please describe what was accomplished and indicate % complete. 2. If there was no progress, indicate what obstacles/delays encountered? 3. If there was progress, how is/was the action being funded (e.g., FEMA HMGP grant, local budget)?	Next Step (Include in 2017 HMP? or Discontinue)	Describe Next Step 1. If including action in the 2017 HMP, revise/reword to be more specific (as appropriate). 2. If discontinue, explain why.
infrastructure.					
Land-PEA-1: Local project. Promote understanding and use of (telephone number) 811, Call Before You Dig.	Building Dept.	In Progress	Ongoing	Discontinue	Integrated into normal operations
Land-PR-1: Local project. Enact local laws: to restrict development on steep slopes; to require property owners or mine operators to rehabilitate open mines at closing. This may pertain to existing or new infrastructure.	Building Dept.	In Progress	Ongoing – EPOD	Discontinue	Integrated into normal operations
SC-PR-1: Local project. Enact local laws that require property owners to demolish and remove unsafe structures from their properties. This may pertain to existing or new infrastructure.	Building Dept.	In Progress	Ongoing	Discontinue	Integrated into normal operations
Terr-PP-1: Implement a strategy to target harden critical and public facilities. This may pertain to existing or new infrastructure.	N/A	No Progress	N/A	Discontinue	Not applicable to Town.
Terr-PR-1: Provide intelligence to local authorities about legal surveillance and threat assessment activities.	N/A	No Progress	N/A	Discontinue	Not applicable to Town.
Terr-PR-2: Review emergency plans for public facilities to ensure that appropriate measures are considered and referenced	HFL School District	In Progress	Ongoing	Discontinue	Integrated into normal operations
Terr-PR-3: Schools project. Comply with Project Save regulations for plan review and revision cycles.	N/A	No Progress	N/A	Discontinue	Not applicable to Town.





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2011 Mitigation Action	Responsible Party	Status (In progress, No progress, Complete)	Describe Status 1. Please describe what was accomplished and indicate % complete. 2. If there was no progress, indicate what obstacles/delays encountered? 3. If there was progress, how is/was the action being funded (e.g., FEMA HMGP grant, local budget)?	Next Step (Include in 2017 HMP? or Discontinue)	Describe Next Step 1. If including action in the 2017 HMP, revise/reword to be more specific (as appropriate). 2. If discontinue, explain why.
Trans-ES-1: Local project. The Town of Henrietta's Highway Snow & Ice Control Program is testing treated road salt for benefits associated with its application to enhance the capacity of normal road salt.	N/A	No Progress	N/A	Discontinue	Not applicable to Town.
Trans-PEA-1: Local project. Provide traffic reports through the local broadcasters	N/A	No Progress	N/A	Discontinue	Not applicable to Town.
Trans-PEA-2: Local project. Provide construction information and project status on sites that impact traffic	Highway	In Progress	Ongoing	Discontinue	Integrated into normal operations
Util-ES-1: Local projects. Provide power back-up supply for municipal fueling stations. This may pertain to existing or new infrastructure.	Highway	In Progress	Ongoing	Discontinue	Integrated into normal operations
Util-PP-1: Local utilities project. Preserve capacity to generate local power and enhance the ability to segregate local supply from the national power grid during major failures, e.g. August 14, 2003. This may pertain to existing or new infrastructure.	N/A	No Progress	N/A	Discontinue	Not applicable to Town.
WSC-PR-1: Provide redundant back-up power supply for public supply treatment facilities and system pump stations. This may pertain to existing or new infrastructure.	N/A	No Progress	N/A	Discontinue	Not applicable to Town.





Completed Mitigation Initiatives not Identified in the Previous Mitigation Strategy

The Town of Mendon did not complete any mitigation projects/activities other than those from the 2011 Plan identified in the Past Mitigation Initiative Status section above.

Proposed Hazard Mitigation Initiatives for the Plan Update

FEMA Region II led a meeting for all Monroe County municipalities in November 2015 to discuss the purpose, goals, and long term benefits of identifying mitigation actions to include in the updated HMP. FEMA provided handouts on creating a functionally diverse jurisdictional planning team, guidance for identifying integration actions, and guidelines for completing an action worksheet for jurisdictions to use as a resource as part of their comprehensive review of all possible activities and mitigation measures to address their hazards.

Additionally, Monroe County hosted two Annex Workshops in December 2015 to assist municipalities in completing their jurisdictional annexes, including identifying mitigation projects and developing Action Worksheets. All jurisdictions were provided with a set of sample mitigation actions that satisfied County goals of addressing all hazards and representing all six CRS categories, along with a refresher instruction sheet on how to complete an action worksheet, and an example of a completed action worksheet.

In January 2016, Monroe County jurisdictions were provided the results of the municipal risk assessment to further assist with the development of their mitigation strategy. Throughout the planning process, jurisdictions had access to mitigation planners who were available to assist with the development of the jurisdictional annexes, including the mitigation strategy and action worksheets, as necessary.

Table 9.16-12 summarizes the comprehensive-range of specific mitigation initiatives the Town of Mendon would like to pursue to reduce the effects of hazards. Some of these initiatives may be previous actions carried forward for this plan update. These initiatives depend on available funding (grants and local match availability) and may be modified or omitted at any time based on the occurrence of new hazard events and changes in municipal priorities. Both the four FEMA mitigation action categories and the six CRS mitigation action categories are listed in Table 9.16-12 to further demonstrate the wide-range of activities and mitigation measures selected.

As discussed in Section 6, 14 evaluation/prioritization criteria are used to complete the prioritization of mitigation initiatives. For each new mitigation action, a numeric rank is assigned (-1, 0, or 1) for each of the 14 evaluation criteria to assist with prioritizing your actions as High, Medium, or Low. Table 9.16-12 summarizes the evaluation of each mitigation initiative, listed by Action Number.

Table 9.16-13 provides a summary of the prioritization of all proposed mitigation initiatives for the Plan update.



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Table 9.16-12. Proposed Hazard Mitigation Initiatives

Initiative	Mitigation Initiative	Applies to New or Existing Structures*	Hazards Mitigated	Goals Met	Lead and Support Agencies	Estimated Benefits	Estimated Cost	Sources of Funding	Timeline	Priority	Mitigation Category	CRS Category
TMN-1	Evaluate the flood vulnerability of the Town Hall/Court and identify feasible mitigation actions to reduce risk to the 0.2 percent annual chance flood.	Existing	Flood, Severe Storm	1, 3	Mendon Public Works, Planning Board	High	High	Local Budget	Short-Term	High	SIP	PP
TMN-2	Install permanent backup power supply at public facilities, specifically to include the Community Center at 167 North Main St.	Existing	All hazards	1, 2, 3	Town Board, Highway Department	High	Medium	Local Budget, NYS DHSES, County, Grants	Short-Term	High	SIP	PR ES
TMN-3	Modify the bridge over the Irondequoit Creek in the Hamlet of Mendon to increase unobstructed flow capacity during flood situations. See Action Worksheet.	Existing	Flood, Severe Storm	2, 3	Town Public Works / Highway/ NYS DOT	Medium	Medium	FEMA (HMGP, FMA, PDM), CDBG, NYS DHSES, NYS DOT, County, Local Budget	Long	High	SIP	PP, PR, SP
TMN-4	Support the County in implementing a tick and Lyme Disease education and outreach program.	N/A	Infestation	1, 2, 3, 4	Monroe County, Town Board, Supervisor, and Planning Board	Medium	Medium	Federal, State, and Local	Ongoing	Medium	EAP	PI
TMN-5	Conduct education and outreach to residents and business owners to inform them if their properties are in known hazard areas, and actions they can take to protect their properties.	Existing	Earthquake, Extreme Temperatures, Flood, Infestation, Landslide, Severe Storms, Severe Winter Storms, Wildfire, HazMat, Utility Failure	1, 3, and 4	Town Clerk	High	Low	Operating budget	OG	High	EAP	PI



Notes:

Not all acronyms and abbreviations defined below are included in the table.

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

Acronyms and Abbreviations:

CAV	Community Assistance Visit	FMA	Flood Mitigation Assistance Grant Program
CRS	Community Rating System	HMGPP	Hazard Mitigation Grant Program
DPW	Department of Public Works	PDM	Pre-Disaster Mitigation Grant Program
FEMA	Federal Emergency Management Agency	RFC	Repetitive Flood Claims Grant Program (discontinued)
FPA	Floodplain Administrator	SRL	Severe Repetitive Loss Grant Program (discontinued)
HMA	Hazard Mitigation Assistance		
N/A	Not applicable		
NFIP	National Flood Insurance Program		
NYS DHSES	New York State Division of Homeland Security and Emergency Services		
OEM	Office of Emergency Management		

Potential FEMA HMA Funding Sources:

FMA	Flood Mitigation Assistance Grant Program	Timeline:	Short	1 to 5 years
HMGPP	Hazard Mitigation Grant Program		Long Term	5 years or greater
PDM	Pre-Disaster Mitigation Grant Program		OG	On-going program
RFC	Repetitive Flood Claims Grant Program (discontinued)		DOF	Depending on funding
SRL	Severe Repetitive Loss Grant Program (discontinued)			

Costs:

Where actual project costs have been reasonably estimated:

Low	< \$10,000
Medium	\$10,000 to \$100,000
High	> \$100,000

Benefits:

Where possible, an estimate of project benefits (per FEMA's benefit calculation methodology) has been evaluated against the project costs, and is presented as:

Low=	< \$10,000
Medium	\$10,000 to \$100,000
High	> \$100,000

Where actual project costs cannot reasonably be established at this time:

Low	Possible to fund under existing budget. Project is part of, or can be part of an existing on-going program.
Medium	Could budget for under existing work plan, but would require a reappropriation of the budget or a budget amendment, or the cost of the project would have to be spread over multiple years.
High	Would require an increase in revenue via an alternative source (i.e., bonds, grants, fee increases) to implement. Existing funding levels are not adequate to cover the costs of the proposed project.

Where numerical project benefits cannot reasonably be established at this time:

Low	Long-term benefits of the project are difficult to quantify in the short term.
Medium	Project will have a long-term impact on the reduction of risk exposure to life and property, or project will provide an immediate reduction in the risk exposure to property.
High	Project will have an immediate impact on the reduction of risk exposure to life and property.

Mitigation Category:

- Local Plans and Regulations (LPR) – These actions include government authorities, policies or codes that influence the way land and buildings are being developed and built.
- Structure and Infrastructure Project (SIP) – These actions involve modifying existing structures and infrastructure to protect them from a hazard or remove them from a hazard area. This could apply to public or private structures as well as critical facilities and infrastructure. This type of action also involves projects to construct manmade structures to reduce the impact of hazards.
- Natural Systems Protection (NSP) – These are actions that minimize damage and losses, and also preserve or restore the functions of natural systems.
- Education and Awareness Programs (EAP) – These are actions to inform and educate citizens, elected officials, and property owners about hazards and potential ways to mitigate them. These actions may also include participation in national programs, such as StormReady and Firewise Communities

CRS Category:





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- *Preventative Measures (PR) – Government, administrative or regulatory actions, or processes that influence the way land and buildings are developed and built. Examples include planning and zoning, floodplain local laws, capital improvement programs, open space preservation, and storm water management regulations.*
- *Property Protection (PP) – These actions include public activities to reduce hazard losses or 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.*
- *Public Information (PI) – 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 educational programs for school-age children and adults.*
- *Natural Resource Protection (NR) – 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.*
- *Structural Flood Control Projects (SP) – 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.*
- *Emergency Services (ES) – 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*





Table 9.16-13. Summary of Prioritization of Actions

Mitigation Action/Project Number	Mitigation Action/Initiative	Life Safety	Property Protection	Cost-Effectiveness	Technical	Political	Legal	Fiscal	Environmental	Social	Administrative	Multi-Hazard	Timeline	Agency Champion	Other Community Objectives	Total	High / Medium / Low
TMN-1	Evaluate the flood vulnerability of the Town Hall/Court and identify feasible mitigation actions to reduce risk to the 0.2 percent annual chance flood.	1	1	1	0	1	1	0	1	1	1	0	1	0	1	10	Hhigh
TMN -2	Install permanent backup power supply at public facilities, specifically to include the Community Center at 167 North Main St.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Hhigh
TMN -3	Modify the bridge over the Irondequoit Creek in the Hamlet of Mendon to increase unobstructed flow capacity during flood situations. See Action Worksheet.	0	1	1	1	0	1	0	1	0	1	1	0	1	0	8	Hhigh
TMN -4	Support the County in implementing a tick and Lyme Disease education and outreach program.	1	0	1	0	0	1	0	0	0	0	0	1	0	0	4	Low
TMN-5	Conduct education and outreach to residents and business owners to inform them if their properties are in known hazard areas, and actions they can take to protect their properties.	1	1	1	1	1	1	1	0	1	-1	1	1	1	1	11	Hhigh

Note: Refer to Section 6 that contains the guidance on prioritizing mitigation actions. Mitigation actions being carried forward from prior strategies have either retained their prioritization (shown by "-") within updated prioritization criteria, or have been re-prioritized at the discretion of the jurisdiction if they believe re-evaluation is appropriate due to changed conditions since the original prioritization.





9.16.7 Future Needs To Better Understand Risk/Vulnerability

None at this time.

9.16.8 Hazard Area Extent and Location

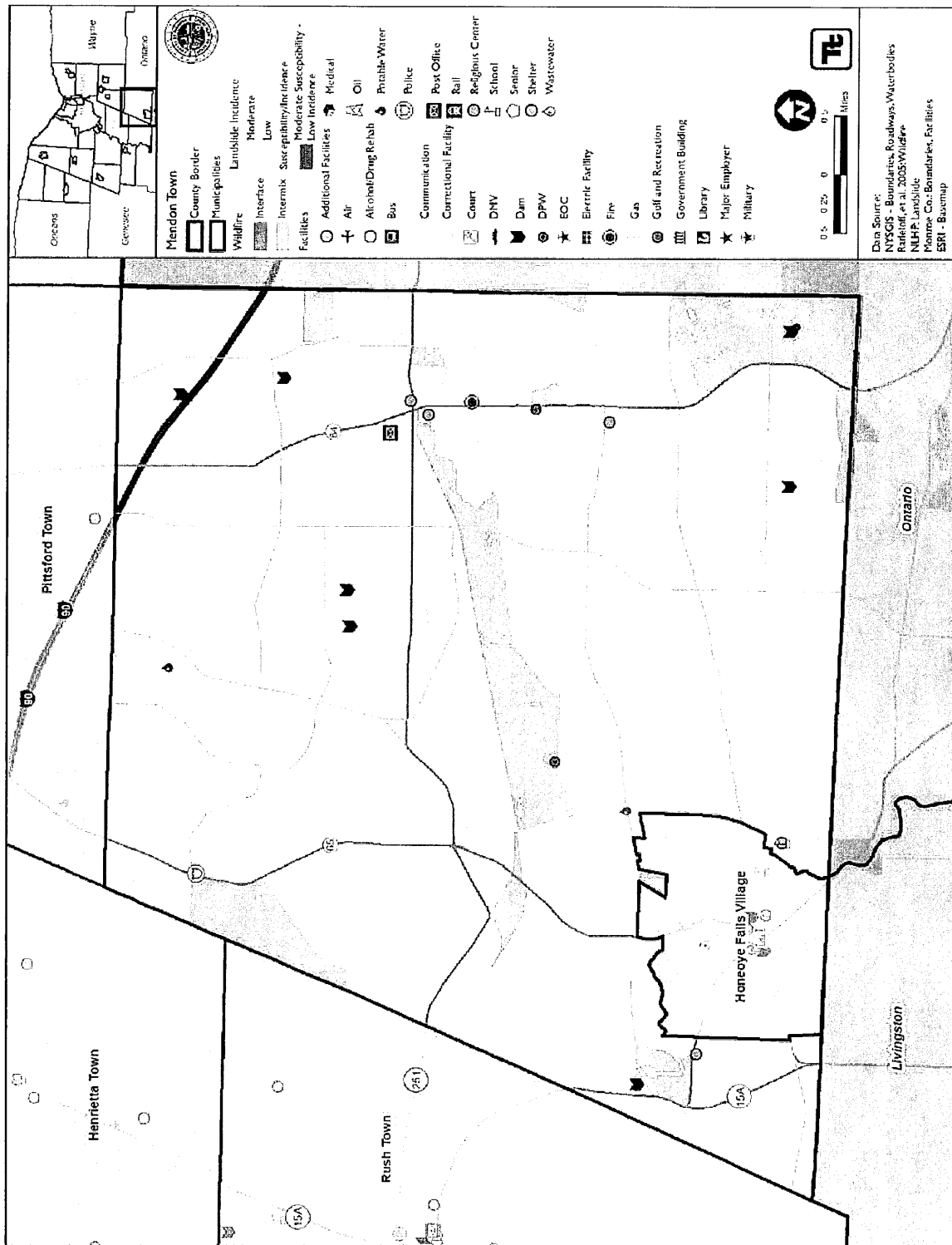
Hazard area extent and location maps were generated for the Town of Mendon that illustrate the probable areas impacted in the municipality. These maps are based on the best currently available data, and are considered adequate for planning. Maps have only been generated for those hazards (i.e., landslide, wildfire, and flooding) that can be clearly identified using mapping techniques and technologies, and for which the Town of Mendon has significant exposure. These maps are illustrated in the hazard profiles in Section 5.4, Volume I of this Plan.

9.16.9 Additional Comments

None at this time.



Figure 9.16-1. Town of Mendon Landslide and Wildfire Hazard Area Extent and Location Map

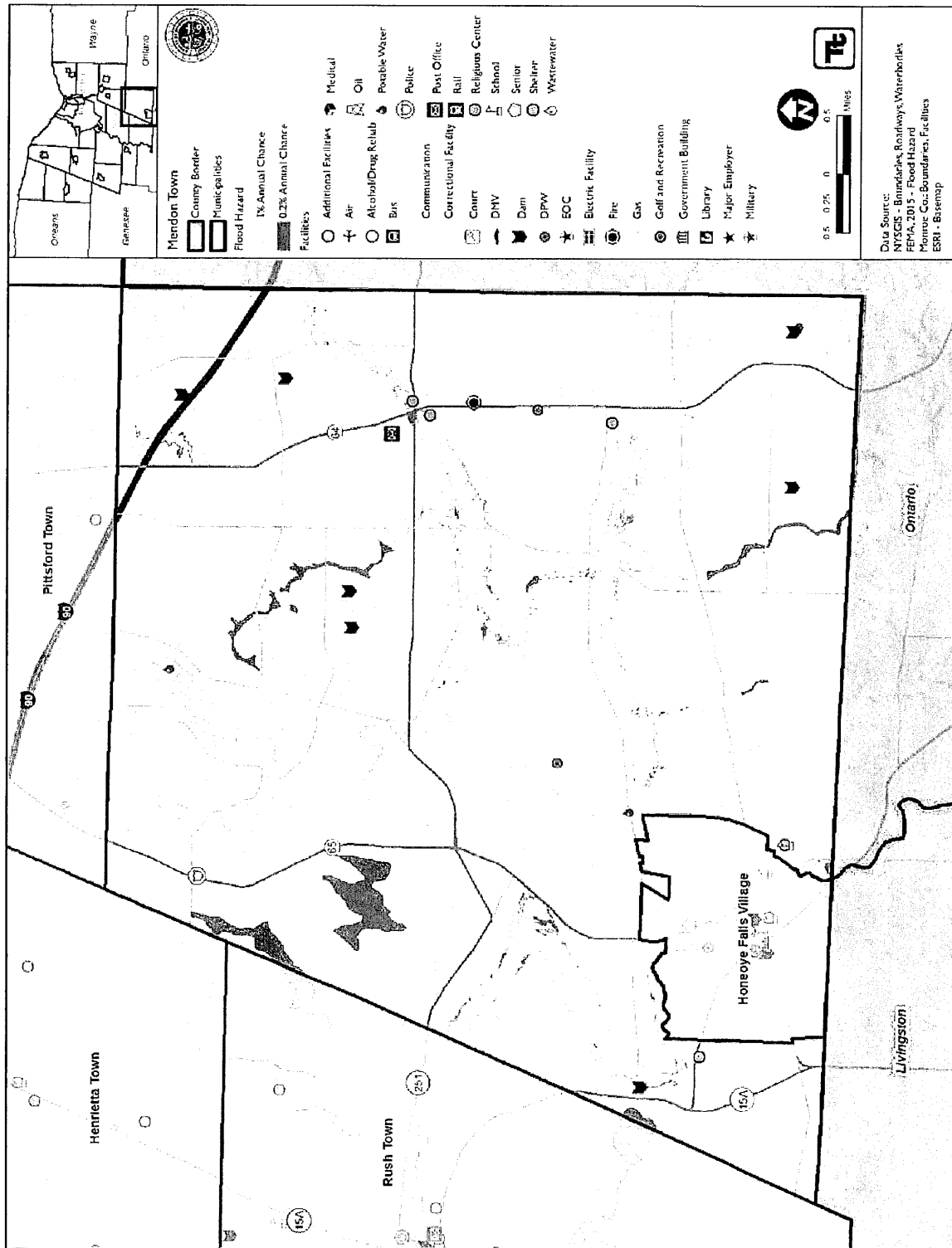


Data Source:
 NYSOS - Boundaries, Roadways, Waterbodies
 Rakleiff, et al. 2005/Wildfire
 NLEFP, Landslide
 Monroe Co. Boundaries, Facilities
 ESRI - Base Map





Figure 9.16-2. Town of Mendon Hazard Area 1% and 0.2% Floodplain Map





Name of Jurisdiction: Town of Mendon

Name and Title Completing Worksheet: _____

Action Number: TMN-1

Mitigation Action Name: Evaluate the flood vulnerability of the Town Hall/Court and identify feasible mitigation actions to reduce risk to the 0.2 percent annual chance flood.

Assessing the Risk	
Hazard(s) addressed:	Flooding
Specific problem being mitigated:	The Town Hall/Court is located in the floodplain and is subject to flood damages.
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	<ol style="list-style-type: none"> 1. Do nothing (does not reduce flood loss) 2. Construct flood control structure to prevent flood losses (cost prohibitive) 3. Relocate structure (cost prohibitive)
Action/Project Intended for Implementation	
Description of Selected Action/Project	Evaluate the flood vulnerability of the Town Hall/Court and identify feasible mitigation actions to reduce risk to the 0.2 percent annual chance flood.
Mitigation Action Type	SIP
Goals Met	1, 3
Applies to existing and or new development, or not applicable	Existing
Benefits (losses avoided)	High (avoid/minimize flood losses)
Estimated Cost	Low
Priority*	High
Plan for Implementation	
Responsible Organization	Floodplain Administrator; Engineer
Local Planning Mechanism	Normal operations
Potential Funding Sources	General fund (staff time)
Timeline for Completion	1 year
Reporting on Progress	
Date of Status Report/ Report of Progress	Date: Progress on Action/Project:



Action Number: TMN-1

Mitigation Action Name: Evaluate the flood vulnerability of the Town Hall/Court and identify feasible mitigation actions to reduce risk to the 0.2 percent annual chance flood.

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	
Property Protection	1	
Cost-Effectiveness	1	
Technical	0	
Political	1	
Legal	1	
Fiscal	0	
Environmental	1	
Social	1	
Administrative	1	
Multi-Hazard	0	
Timeline	1	
Agency Champion	0	
Other Community Objectives	1	
Total	10	
Priority	High	



Name of Jurisdiction: Town of Mendon
 Name and Title Completing Worksheet: _____
 Action Number: TMN-2
 Mitigation Action Name: Install permanent backup power supply at public facilities, specifically to include the Community Center at 167 North Main St.

Assessing the Risk	
Hazard(s) addressed:	All hazards
Specific problem being mitigated:	Power loss at critical facilities
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	The Town is currently considering the feasibility of installing permanent generators or possibly the option of installing transfer switches to facilitate use of mobile generators.
Action/Project Intended for Implementation	
Description of Selected Action/Project	Install permanent backup power supply at public facilities, specifically to include the Community Center at 167 North Main St.
Mitigation Action Type	SIP
Goals Met	2, 3
Applies to existing and or new development, or not applicable	Existing
Benefits (losses avoided)	High – reduce risk of power outage at critical facilities
Estimated Cost	Medium
Priority*	High
Plan for Implementation	
Responsible Organization	DPW
Local Planning Mechanism	DPW operations
Potential Funding Sources	Budget & PDM
Timeline for Completion	Long Term
Reporting on Progress	
Date of Status Report/ Report of Progress	Date: Progress on Action/Project:



Action Number: TMN-2

Mitigation Action Name: Install permanent backup power supply at public facilities, specifically to include the Community Center at 167 North Main St.

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	It could provide for continuity of government to service the community.
Property Protection	0	
Cost Effectiveness	0	
Technical	1	It would be technically feasible.
Political	0	
Legal	1	
Fiscal	-1	Grant funding required
Environmental	0	
Social	0	
Administrative	1	The jurisdiction has the personnel and administrative capabilities to implement the action.
Multi-Hazard	1	Eliminate need to relocate essential services for residents, as well as support continuity of government.
Timeline	0	
Agency Champion	1	If determined feasible, it would be a supported project.
Other Community Objectives	1	
Total	6	
Priority (High, Medium, or Low)	High	



Name of Jurisdiction: Town of Mendon

Name and Title Completing Worksheet: _____

Action Number: TMN -3

Mitigation Action Name: Modify the bridge over the Irondequoit Creek in the Hamlet of Mendon

Assessing the Risk	
Hazards addressed:	Flood, Severe Storm
Specific problem being mitigated:	The bridge over the Irondequoit Creek needs to be modified to handle a greater volume of water during floods. The bridge was replaced a few years ago and it can't handle enough water.
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	Build a draw bridge – cost prohibitive
Action/Project Intended for Implementation	
Description of Selected Action/Project	Modify the bridge over the Irondequoit Creek in the Hamlet of Mendon to increase unobstructed flow capacity during flood situations.
Mitigation Action Type	SIP
Goals Met	2, 3
Applies to existing and or new development, or not applicable	Existing
Benefits (losses avoided)	Medium – avoid future bridge damages, bank erosion, and potential life safety issues
Estimated Cost	Medium
Priority*	High
Plan for Implementation	
Responsible Organization	Town Public Works / Highway/ NYS DOT
Local Planning Mechanism	Town Capital Improvements
Potential Funding Sources	FEMA (HMGP, FMA, PDM), CDBG, NYS DHSES, NYS DOT, County, Local Budget
Timeline for Completion	Long Term
Reporting on Progress	
Date of Status Report/ Report of Progress	Date: Progress on Action/Project:



Action Number: TMN -3

Mitigation Action Name: Modify the bridge over the Irondequoit Creek in the Hamlet of Mendon

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	0	
Property Protection	1	Protect bridge from future damage
Cost-Effectiveness	1	Medium cost project, with medium benefits
Technical	1	Project is technically feasible
Political	0	
Legal	1	Town has jurisdiction over roadway/bridge
Fiscal	0	
Environmental	1	Allow flood waters to flow without obstruction
Social	0	
Administrative	1	Town has administrative capabilities to manage the project
Multi-Hazard	1	Flood, Severe Storm
Timeline	0	Long term, depending on funding
Agency Champion	1	Town Public Works / Highway
Other Community Objectives	0	
Total	8	
Priority (High, Medium, Low)	High	