9.12 TOWN OF MARLBOROUGH

This section presents the jurisdictional annex for the Town of Marlborough that provides resources and information to assist public and private sectors to reduce losses from future hazard events. This annex is not guidance of what to do when a disaster occurs. Rather, this annex concentrates on actions to reduce or eliminate damage to property and people that can be implemented prior to a disaster. Information presented includes a general overview of the municipality, who in the Town participated in the planning process, an assessment of the Town of Marlborough's risk and vulnerability, the different capabilities used in the Town, and an action plan that will be implemented to achieve a more resilient community.

9.12.1 Hazard Mitigation Planning Team

The Town of Marlborough identified the hazard mitigation plan (HMP) primary and alternate points of contact and developed this plan over the course of several months with input from many Town departments, including the Town administration. The Deputy Supervisor represented the community on the Ulster County Hazard Mitigation Plan Planning Partnership, Steering Committee, and supported the local planning process requirements by securing input from persons with specific knowledge to enhance the plan. All departments were asked to contribute to the annex development through reviewing and contributing to the capability assessment, reporting on the status of previously identified actions, and participating in action identification and prioritization.

The following table summarizes municipal officials that participated in the development of the annex and in what capacity. Additional documentation on the municipality's planning process through Planning Partnership meetings is included in Volume 1, Section 3 (Planning Process) and Appendix C (Meeting Documentation).

Table 9.12-1. Hazard Mitigation Planning Team

Primary Point of Contact	Alternate Point of Contact
Name/Title: Gael Appler Jr, Deputy Supervisor, Local Floodplain Admin Address: 21 Milton Tpke Ste 200, Milton, NY 12547 Phone Number: (845) 795-2220 Email: gapplerjr@marlboroughny.us	Name/Title: Scott Corcoran, Supervisor Address: 21 Milton Tpke Ste 200, Milton, NY 12547 Phone Number: (845) 795-2220 Email: supervisor@marlboroughny.us
NFIP Floodplain Administrator	
Name/Title: Gael Appler Jr, Deputy Supervisor, Local Floodplain Admin Address: 21 Milton Tpke Ste 200, Milton, NY 12547 Phone Number: (845) 795-2220 Email: gapplerjr@marlboroughny.us	
Additional Contributors	
Name/Title: Tom Corcoran, Code Enforcement Officer Method of Participation: Provided key input in the planning process	

9.12.2 Municipal Profile

The Town of Marlborough is in the southeastern corner of Ulster County. The Town consists of 26.5 square miles, 24.5 of which are land and 1.0 of which are water. Marlborough sits between the Hudson River to the east and the Marlboro Mountains to the west. The Town was founded in 1788 and named for the John Churchill, Duke of Marlborough, an English soldier, and statesman. Early settlers included the Hallock family in the hamlet of Milton, the DuBois family in the hamlet of Marlboro, and the Carpenter family in the hamlet of Lattintown. Because of Marlborough's proximity to the Hudson River and its fertile soil,

farming has been an integral part of the town throughout its history. Key economic drivers in Marlborough as documented in the Town's comprehensive plan include tourism, power plants, agricultural development, commercial and industrial development, arts and entertainment, and hospitality (Town of Marlborough, 2017).

According to the U.S. Census, the 2020 population for the Town of Marlborough was 8,712, a 1.1 percent decrease from the 2010 Census (8,808). Data from the 2020 American Community Survey 5-year Estimates indicate that 2.7 percent of the population is 5 years of age or younger, 19.8 percent is 65 years of age or older, 10.5 percent have disabilities, and 5.6 percent are below the poverty threshold. 0.3 percent of households are non-English speaking. Communities must deploy a support system that enables all populations to safely reach shelters or to quickly evacuate a hazard area.

9.12.3 Jurisdictional Capability Assessment and Integration

The Town of Marlborough performed an inventory and analysis of existing capabilities, plans, programs, and policies that enhance its ability to implement mitigation strategies. Volume 1, Section 6 (Mitigation Strategy) describes the components included in the capability assessment and their significance for hazard mitigation planning. The jurisdictional assessment includes the following types of municipal capabilities:

- Planning, legal, and regulatory capabilities
- Development and permitting capabilities
- Administrative and technical capabilities
- Fiscal capabilities
- Education and outreach capabilities
- Classification under various community mitigation programs
- Adaptive capacity to withstand hazard events

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 the hazard mitigation analysis, planning/policy documents were reviewed, and each jurisdiction was surveyed to obtain a better understanding of their progress toward plan integration. The updated mitigation strategy provided an opportunity for the Town of Marlborough to identify opportunities for integration of mitigation concepts that can be incorporated into municipal procedures.

Planning, Legal, and Regulatory Capability and Integration

Planning and regulatory capabilities are plans, policies, codes, and ordinances that prevent and reduce the impacts of hazards. The table below summarizes the regulatory tools that are available to the Town of Marlborough. The comment field provides information as to how the capability integrates hazard mitigation and risk reduction.

Table 9.12-2. Planning, Legal, and Regulatory Capability and Integration

	Is this plan/policy in place? (Yes/No)	Citation and Effective Date (code chapter or name of plan, date of enactment or plan adoption)	Authority (local, county, state, federal)	Individual / Department / Agency Responsible
Codes, Ordinances, & Regulations				

	Is this plan/policy in place? (Yes/No)	Citation and Effective Date (code chapter or name of plan, date of enactment or plan adoption)	Authority (local, county, state, federal)	Individual / Department / Agency Responsible
Building Code	Yes	Chapter 67, Adopted March 14, 2022; New York State Uniform Code and Energy Conservation Code	State and Local	Code Enforcement
How has or will this be integrated with the HMP and how does this reduce risk? Communities can reduce risk by adopting and enforcing building codes such as the Town of Marlborough's that require buildings in flood prone area be raised above flood levels to prevent future damage. Hurricane and wind damage can also be lessened by enforcing modern building standards.				
Zoning/Land Use Code	Yes	Chapter 155, Adopted September 26, 2022	Local	Zoning Board
How has or will this be integrated with the HMP and how does this reduce risk? It Protects against hazards: to provide protection against fire, explosion, noxious fumes and other hazards in the interest of the public health, safety and comfort and the general welfare.				
Subdivision Ordinance	Yes	Chapter 134, Adopted August 22, 2022	Local	Planning Board
How has or will this be integrated with the HMP and how does this reduce risk? It is declared to be the policy of the Planning Board to consider land subdivision plats as part of a plan for the orderly, efficient, and economical development of the town. This means, among other things: • That land to be subdivided shall be of such character that it can be used safely for building purposes without danger to health or peril from fire, flood or other menace. • That proper provisions shall be made for drainage, water supply, sewerage, and other needed improvements.				
Site Plan Ordinance	Yes	Chapter 155-12, Adopted September 13, 1993	Local and County	Planning board
How has or will this be integrated with the HMP and how does this reduce risk? Regulations set forth in Site Plan Ordinance follow the Town's planning goals which include boundaries and setbacks that help prevent certain hazards from occurring. Such regulations are designed to ensure that the proposed use will be in harmony with the appropriate and orderly development of the district in which it is proposed and that its impacts can be mitigated by compliance with reasonable conditions.				
Stormwater Management Ordinance	Yes	Chapter 135, Adopted June 22, 2009	Local	Town Engineer
How has or will this be integrated with the HMP and how does this reduce risk? Minimizes increases in stormwater runoff from land development activities in order to reduce flooding, siltation, increases in stream temperature, and stream bank erosion and maintain the integrity of stream channels.				
Post-Disaster Recovery/ Reconstruction Ordinance	Yes	-	Local	Town Board
How has or will this be integrated with the HMP and how does this reduce risk? Allows for faster recovery and reconstruction following disaster events.				
Real Estate Disclosure	Yes	Property Condition Disclosure Act, NY Code - Article 14 §460-467	State	NYS Department of State, Real Estate Agent
How has or will this be integrated with the HMP and how does this reduce risk? In addition to facing potential liability for failing to disclose under the exceptions to "caveat emptor," a home seller must make certain disclosures under the law or pay a credit of $500 to the buyer at closing. While the PCDA requires a seller to complete a standardized disclosure statement and deliver it to the buyer before the buyer signs the final purchase contract, in practice, most home sellers in New York opt not to complete the statement and instead pay the credit.				
Growth Management	Yes	Comprehensive Plan Adopted 2017	Local	Town Board
How has or will this be integrated with the HMP and how does this reduce risk? Increased impervious surfaces such as blacktop and concrete can increase the risk of flooding. Managing growth with this in mind can decrease hazard risk.				
Environmental Protection Ordinances	No	-	-	-
How has or will this be integrated with the HMP and how does this reduce risk?				

	Is this plan/policy in place? (Yes/No)	Citation and Effective Date (code chapter or name of plan, date of enactment or plan adoption)	Authority (local, county, state, federal)	Individual / Department / Agency Responsible
Flood Damage Prevention Ordinance	Yes	Chapter 97, Adopted August 24, 2009	Federal, State, County and Local	Building Inspector
How has or will this be integrated with the HMP and how does this reduce risk? The Town Board of the Town of Marlborough finds that the potential and/or actual damages from flooding and erosion may be a problem to the residents of the Town of Marlborough and that such damages may include destruction or loss of private and public housing, damage to public facilities, both publicly and privately owned, and injury to and loss of human life. In order to minimize the threat of such damages and to achieve the purposes and objectives hereinafter set forth, this chapter is adopted.				
Wellhead Protection or Water Restrictions	No	-	-	-
How has or will this be integrated with the HMP and how does this reduce risk?				
Emergency Management Ordinance	No	-	-	-
How has or will this be integrated with the HMP and how does this reduce risk?				
Climate Change Ordinance	No	-	-	-
How has or will this be integrated with the HMP and how does this reduce risk?				
Other	No	-	-	-
How has or will this be integrated with the HMP and how does this reduce risk?				
Planning Documents				
Comprehensive / Master Plan	Yes	Town of Marlborough Comprehensive Plan, 2017	Local	Town Board
How has or will this be integrated with the HMP and how does this reduce risk? The comprehensive plan provides a set of goals, policies and objectives for the future growth of the entire town and focuses on land use, development, and zoning-related recommendations. The draft generic environmental impact statement (DGEIS) considers the generic impacts of the adoption of the updated comprehensive plan and the waterfront revitalization program. As the point of the DGEIS is to consider the broad, policy-level impacts of the effects of these two plans, the DGEIS does not address individual projects which may be proposed in the future. The DGEIS establishes thresholds for which future actions can be carried out without further environmental review and the extent to which further environmental review would be required				
Capital Improvement Plan	Yes	Part of the Updated 2017 Comprehensive Plan	Local	Town Board
How has or will this be integrated with the HMP and how does this reduce risk? Can help lower the cost from natural hazards and achieve community resilience.				
Disaster Debris Management Plan	No	-	-	-
How has or will this be integrated with the HMP and how does this reduce risk?				
Floodplain Management or Watershed Plan	No	-	-	-
How has or will this be integrated with the HMP and how does this reduce risk?				
Stormwater Management Plan	No	-	-	-
How has or will this be integrated with the HMP and how does this reduce risk?				
Open Space Plan	No	-	-	-

	Is this plan/policy in place? (Yes/No)	Citation and Effective Date (code chapter or name of plan, date of enactment or plan adoption)	Authority (local, county, state, federal)	Individual / Department / Agency Responsible
How has or will this be integrated with the HMP and how does this reduce risk?				
Urban Water Management Plan	No	-	-	-
How has or will this be integrated with the HMP and how does this reduce risk?				
Habitat Conservation Plan	No	-	-	-
How has or will this be integrated with the HMP and how does this reduce risk?				
Economic Development Plan	Yes	Part of the 2017 Updated Comprehensive Plan	Local	Town Board
How has or will this be integrated with the HMP and how does this reduce risk? Businesses and business districts are built in safer areas with a lower risk of hazards.				
Community Wildfire Protection Plan	No	-	-	-
How has or will this be integrated with the HMP and how does this reduce risk?				
Community Forest Management Plan	No	-	-	-
How has or will this be integrated with the HMP and how does this reduce risk?				
Transportation Plan	No	-	-	-
How has or will this be integrated with the HMP and how does this reduce risk?				
Agriculture Plan	No	-	-	-
How has or will this be integrated with the HMP and how does this reduce risk?				
Climate Action/ Resiliency/ Sustainability Plan	No	-	-	-
How has or will this be integrated with the HMP and how does this reduce risk?				
Tourism Plan	No	-	-	-
How has or will this be integrated with the HMP and how does this reduce risk?				
Business/ Downtown Development Plan	No	-	-	-
How has or will this be integrated with the HMP and how does this reduce risk?				
Other (for example NYRCR, etc.)	No	-	-	-
How has or will this be integrated with the HMP and how does this reduce risk?				
Response/Recovery Planning				
Comprehensive Emergency Management / Emergency Operations Plan	Yes	Town of Marlborough EOP, Adopted 2017	Local	Town Board

	Is this plan/policy in place? (Yes/No)	Citation and Effective Date (code chapter or name of plan, date of enactment or plan adoption)	Authority (local, county, state, federal)	Individual / Department / Agency Responsible
How has or will this be integrated with the HMP and how does this reduce risk? The CEMP/EOP covers short-term response and long-term recovery to address communications, evacuation, and housing necessary for identified hazard. The CEMP/EOP also addresses all hazards identified in the current HMP.				
Continuity of Operations Plan	No	-	-	-
How has or will this be integrated with the HMP and how does this reduce risk?				
Substantial Damage Response Plan	No	-	-	-
How has or will this be integrated with the HMP and how does this reduce risk?				
Threat & Hazard Identification & Risk Assessment (THIRA)	No	-	-	-
How has or will this be integrated with the HMP and how does this reduce risk?				
Post-Disaster Recovery Plan	Yes	Town of Marlborough Post-Disaster Recovery Plan, 2022	Local	Town Board
How has or will this be integrated with the HMP and how does this reduce risk? This plan results from the recognition on the part of local government and county (state) officials that a comprehensive plan is needed to enhance the Town's ability to mitigate and manage emergency/disaster situations. It was prepared by Town officials, in coordination with the Ulster County Department of Emergency Services, working as a team in a planning effort recommended by the New York State Emergency Management Office.				
Public Health Plan	No	-	-	-
How has or will this be integrated with the HMP and how does this reduce risk?				
Other	No	-	-	-
How has or will this be integrated with the HMP and how does this reduce risk?				

Development and Permitting Capability

The table below summarizes the capabilities of the Town of Marlborough to oversee and track development.

Table 9.12-3. Development and Permitting Capability

Indicate if your jurisdiction implements the following	Yes/No	Comment
Do you issue development permits? • If you issue development permits, what department is responsible? • If you do not issue development permits, what is your process for tracking new development?	Yes	New development is reviewed by the planning board with consideration of Town engineer. New building permits are issued by building inspector Tom Corcoran
Are permits tracked by hazard area? (For example, floodplain development permits.)	Yes	Permits are monitored by building inspector/code enforcement. Floodplain development permits are tracked.
Do you have a buildable land inventory? • If you have a buildable land inventory, please describe	No	-
Describe the level of build-out in your jurisdiction.	N/A	There is a moderate level of build-out in the Town with areas for future development.

Administrative and Technical Capability

Administrative and technical capabilities include boards, commissions, departments, staff and consulting services, along with the related skills and tools, that can be used for mitigation planning and the implementation of specific mitigation actions. The table below summarizes potential staff and personnel resources available to the Town of Marlborough and their current responsibilities that contribute to hazard mitigation.

Table 9.12-4. Administrative and Technical Capabilities

Resources	Available? (Yes/No)	Comments (available staff, responsibilities, how its related to hazard mitigation)
Administrative Capability		
Planning Board	Yes	The Town Board of the Town of Marlborough, in accordance with § 271(1) of the Town Law of the State of New York, is authorized to appoint a Planning Board of seven members to: a) recommend to the Town Board, upon request of the Town Board, such action as may be advisable to further the orderly development of the Town of Marlborough; and b) carry out such administrative reviews, and to make such administration determinations, as may be delegated to the Planning Board by local law or ordinance of the Town of Marlborough.
Zoning Board of Adjustment	Yes	The Zoning Board of Appeals consists of five members. The Board has the power to grant use variances, authorizing a use of the land which otherwise would not be allowed or would be prohibited by the terms of the ordinance or local law. The Board also has the power to grant area variances from the area or dimensional requirements of such ordinance or local law.
Planning Department	No	Realm of planning board
Mitigation Planning Committee	No	-
Environmental Board/Commission	Yes	Responsibilities to inform and advise the Town of Marlborough regarding matters related to the protection of natural resources and the overall quality of the environment in the Town of Marlborough.
Open Space Board/Committee	Yes	It is the mission of The Town of Marlborough Recreation Department to create recreational opportunities for growth and enhancement by developing services and programs that promote citizen involvement and a strong sense of community, while striving to increase the social, cultural, and physical well-being of its residents.
Economic Development Commission/Committee	Yes	The Marlborough Economic Development Committee is committed to focusing on the Hamlet of Marlboro's economic sustainability. Specifically, the committee will look to identify opportunities to improve the economic base by determining viability for a range of potential land use and transportation improvements, traffic operations, economic vitality, and improved infrastructure while maximizing its natural resources and preserving the historic character of the community.
Public Works/Highway Department	Yes	The Marlborough Highway Department maintains 120 total lane miles throughout the Town.
Construction/Building/Code Enforcement Department	Yes	The primary purpose of the Building Department is to ensure building safety through the enforcement of municipal, state, and federal regulations and codes. All plans for development are first reviewed by the department for adherence to regulatory statutes. Upon approval of proposed plans, permits are issued that allow for the construction and alteration of structures.
Emergency Management/Public Safety Department	Yes	The Town Deputy Supervisor is the Emergency Management Coordinator.

Resources	Available? (Yes/No)	Comments (available staff, responsibilities, how its related to hazard mitigation)
Maintenance programs to reduce risk (stormwater maintenance, tree trimming, etc.)	Yes	Water Department Wastewater Department
Mutual aid agreements	Yes	Milton/Marlboro Fire Departments
Other	No	-
Technical/Staffing Capability		
Planners or engineers with knowledge of land development and land management practices	Yes	Town Engineering Consultant, McGoey Hauser & Edsall
Engineers or professionals trained in building or infrastructure construction practices	Yes	Town Engineering Consultant, McGoey Hauser & Edsall
Planners or engineers with an understanding of natural hazards	Yes	Town Engineering Consultant, McGoey Hauser & Edsall
Staff with expertise or training in benefit/cost analysis	Yes	Town Budget Officer
Professionals trained in conducting damage assessments	Yes	Town Engineering Consultant, McGoey Hauser & Edsall
Personnel skilled or trained in GIS and/or Hazards United States (HAZUS) – Multi-Hazards (MH) applications	Yes	Town Assessor and Town Engineering Consultants
Environmental scientist familiar with natural hazards	Yes	Town Engineering Consultant, McGoey Hauser & Edsall
Surveyor(s)	Yes	Town Engineering Consultant, McGoey Hauser & Edsall and Colliers Engineering & Design
Grant writer(s)	Yes	Grant writers have experience with HMA grant applications. Have been awarded non-FEMA grants for projects in the Town.
Resilience Officer	Yes	Town Supervisor
Other (this could include stormwater engineer, environmental specialist, etc.)	Yes	Floodplain Managers
Administrative/Technical Capability Self-Assessment		

Consider the following:
• Describe how your administrative/technical capabilities contribute to integration with the HMP and risk reduction in your community.
  ○ The Town has several employees and consultants which are capable of working together to solve problems. Each person brings different abilities and knowledge to solving emergency issues.
• Do any job descriptions specifically include identifying or implementing mitigation projects or other efforts to reduce natural hazard risk?
  ○ As part of the Planning Board process, their engineer and planning consultant reviews slopes and topography features and can determine if additional measures need to be taken prior to approval.		

Fiscal Capability

Fiscal capabilities include access to or eligibility to use funding resources for hazard mitigation. The table below summarizes financial resources available to the Town of Marlborough.

Table 9.12-5. Fiscal Capabilities

Financial Resources	Accessible or Eligible to Use? (Yes/No)	Comments (relation to hazard mitigation)
Community development Block Grants (CDBG, CDBG-DR)	Yes	No additional details at this time
Capital improvements project funding	Yes	No additional details at this time
Authority to levy taxes for specific purposes	Yes	No additional details at this time

Financial Resources	Accessible or Eligible to Use? (Yes/No)	Comments (relation to hazard mitigation)
User fees for water, sewer, gas or electric service	Yes	No additional details at this time
Impact fees for homebuyers or developers of new development/homes	Yes	No additional details at this time
Stormwater utility fee	No	-
Incur debt through general obligation bonds	Yes	No additional details at this time
Incur debt through special tax bonds	Yes	No additional details at this time
Incur debt through private activity bonds	No	-
Withhold public expenditures in hazard-prone areas	No	-
Other federal or state Funding Programs	No	-
Open Space Acquisition funding programs	No	-
Other (for example, Clean Water Act 319 Grants [Nonpoint Source Pollution])	No	-

Education and Outreach Capability

Education and outreach capabilities include programs and methods already in place that could be used to support implementation of mitigation actions and communicate hazard-related information.

Table 9.12-6. Education and Outreach Capabilities

Outreach Resources	Available? (Yes/No)	Comment
Public information officer or communications office	Yes	Supervisors' office
Warning Systems / Services (mass notification system, outdoor warning signals, etc.)	Yes	Ulster emergency text program Sirens
Personnel skilled or trained in website development	Yes	Website Administrator
Hazard mitigation information available on your website	No	-
Social media for hazard mitigation education and outreach	No	We have official Facebook page, can use if needed
Citizen boards or commissions that address issues related to hazard mitigation	Yes	Conservation advisory committee
Natural disaster/safety programs in place for schools	Yes	School district emergency committee
Does the jurisdiction have any public outreach mechanisms / programs in place to inform citizens on natural hazards, risk, and ways to protect themselves during such events? • If yes, please describe.	No	Not currently

Community Classifications

The table below summarizes classifications for community programs available to the Town of Marlborough.

Table 9.12-7. Community Classifications

Program	Participating? (Yes/No)	Classification (if applicable)	Date Classified (if applicable)
Community Rating System (CRS)	No	-	-
Building Code Effectiveness Grading Schedule (BCEGS)	No	-	-

Program	Participating? (Yes/No)	Classification (if applicable)	Date Classified (if applicable)
Public Protection (ISO Fire Protection Classes 1 to 10)	No	-	-
New York State Department of Environmental Conservation (NYSDEC) Climate Smart Community	Yes	Registered	January 17, 2023
StormReady Certification	No	-	-
Firewise Communities classification	No	-	-
Other			

Adaptive Capacity

Adaptive capacity is defined as "the ability of systems, institutions, humans and other organisms to adjust to potential damage, to take advantage of opportunities, or respond to consequences" (IPCC 2014). Each jurisdiction has a unique combination of capabilities to adjust to, protect from, and withstand a future hazard event, future conditions, and changing risk. The table below summarizes the adaptive capacity for each identified hazard of concern and the jurisdiction's capability to address related actions using the following classifications:

- Strong: Capacity exists and is in use.
- Moderate: Capacity might exist; but is not used or could use some improvement.
- Weak: Capacity does not exist or could use substantial improvement.

Table 9.12-8. Adaptive Capacity

Hazard	Adaptive Capacity – Strong/Moderate/Weak
Dam Failure	Moderate
Drought	Moderate
Extreme Temperature	Moderate
Flood	Moderate
Hazardous Materials	Moderate
Landslide	Moderate
Pandemic	Moderate
Severe Storm	Strong
Severe Winter Storm	Strong
Utility Failure	Moderate
Wildfire	Moderate

9.12.4 National Flood Insurance Program (NFIP) Compliance

This section provides specific information on the management and regulation of the regulatory floodplain, including current and future compliance with the NFIP. The Floodplain Administrator is responsible for maintaining this information and is listed in the Hazard Mitigation Planning Team table at the beginning of this annex.

NFIP Statistics

The following table summarizes the NFIP statistics for the Town of Marlborough.

Table 9.12-9. NFIP Summary

Municipality	# Policies	# Claims (Losses)	Total Loss Payments	# RL Properties (FMA definition)	# RL Properties (NFIP definition)	# SRL Properties	# Policies in the 1% Flood Boundary
Town of Marlborough	**2**	**16**	**$258,275**	**0**	**4**	**1**	**0**

Source: FEMA 2023
Notes:
RL Repetitive Loss
SRL Severe Repetitive Loss

- *RL FMA Definition - Any insurable building that has incurred flood-related damage on two occasions, in which the cost of the repair, on the average, equaled or exceeded 25 percent of the market value of the structure at the time of each such flood event.*
- *RL NFIP Definition - Any insurable building for which two or more claims of more than $1,000 were paid by the National Flood Insurance Program (NFIP) within any rolling ten-year period, since 1978.*

Flood Vulnerability Summary

The following table provides a summary of the NFIP program in the Town of Marlborough.

Table 9.12-10. NFIP Compliance in the Jurisdiction

NFIP Topic	Comments
Flood Vulnerability Summary	
Describe areas prone to flooding in your jurisdiction. • Do you maintain a list of properties that have been damaged by flooding?	A Few areas experience minor flooding. Town of Marlborough's only flood plain is near the Hudson River where there are no residences. No list is maintained
Do you maintain a list of property owners interested in flood mitigation? • How many homeowners and/or business owners are interested in mitigation (elevation or acquisition)?	No list is maintained
Are any RiskMAP projects currently underway in your jurisdiction? • If so, state what projects are underway.	No
How do you make Substantial Damage determinations? • How many were declared for recent flood events in your jurisdiction?	The Town uses several consultants evaluate the compromised site. We consult with our planning consultant, and if needed we will also bring in other geotechnical professionals and structural engineers.
How many properties have been mitigated (elevation or acquisition) in your jurisdiction? • If there are mitigation properties, how were the projects funded?	None
Do your flood hazard maps adequately address the flood risk within your jurisdiction? • If not, state why.	Yes
NFIP Compliance	
What local department is responsible for floodplain management?	Code enforcement/ building dept
Are any certified floodplain managers on staff in your jurisdiction?	No
Do you have access to resources to determine possible future flooding conditions from climate change?	Yes

NFIP Topic	Comments
Does your floodplain management staff need any assistance or training to support its floodplain management program? • If so, what type of assistance/training is needed?	No
Provide an explanation of NFIP administration services you provide (e.g., permit review, GIS, education/outreach, inspections, engineering capability)	permit review, education/outreach, inspections
How do you determine if proposed development on an existing structure would qualify as a substantial improvement?	Building inspector/ code enforcement
What are the barriers to running an effective NFIP program in the community, if any?	None
Does your jurisdiction have any outstanding NFIP compliance violations that need to be addressed? • If so, state the violations.	No
When was the most recent Community Assistance Visit (CAV) or Community Assistance Contact (CAC)?	N/A
What is the local law number or municipal code of your flood damage prevention ordinance? • What is the date that your flood damage prevention ordinance was last amended?	Chapter 97, Adopted August 24, 2009
Does your floodplain management program meet or exceed minimum requirements? • If exceeds, in what ways?	Floodplain management meets minimum requirements
Are there other local ordinances, plans or programs (e.g., site plan review) that support floodplain management and meeting the NFIP requirements? For instance, does the planning board or zoning board consider efforts to reduce flood risk when reviewing variances such as height restrictions?	Planning board and engineer review all new development
Does your community plan to join the CRS program or is your community interested in improving your CRS classification?	No. The Town has two very small floodplain areas. We will continue to undertake practices that exceed the minimum requirements of NFIP regardless of our voluntary inclusion.

9.12.5 Growth and Development Trends

Understanding how past, current, and projected development patterns have or are likely to increase or decrease risk in hazard areas is a key component to appreciating a jurisdiction's overall risk to its hazards of concern. Table 9.12-11 and Table 9.12-12 summarize recent and expected future development trends, including major residential/commercial development and major infrastructure development.

Table 9.12-11. Building Permits Issued for New Construction, 2017 to 2022

Type of Development	2017		2018		2019		2020		2021		2022	
Number of Building Permits for New Construction Issued Since the Previous HMP* (within regulatory floodplain/ Outside regulatory floodplain)												
	Total	**Within SFHA**	**Total**	**Within SFHA**	**Total**	**Within SFHA**	**Total**	**Within SFHA**	**Total**	**Within SFHA**	**Total**	**Within SFHA**
Single Family	9	0	17	0	12	0	25	0	32	0	25	0
Multi-Family	1	0	0	0	O	0	2	0	1	0	3	0
Other (commercial, mixed-use, etc.)	1	0	2	0	3	0	2	0	3	0	1	0

Type of Development	2017		2018		2019		2020		2021		2022	
Total New Construction Permits Issued	11	0	19	0	15	0	29	0	36	0	29	0

SFHA Special Flood Hazard Area (1% flood event)
** Only location-specific hazard zones or vulnerabilities identified.*

Table 9.12-12. Recent and Expected Future Development

Property or Development Name	Type	Location (address and/or block and lot)	Known Hazard Area(s)	Description/ Status of Development
Recent Major Development and Infrastructure from 2017 to Present				
Bayside	Mixed Use	Purdy Ave/9W	Hazmat Rail Buffer, Hazmat Road Buffer, Hazmat Pipe Buffer, Tier II Hazard Area, Steep Slope	Mixed Use
Brooklyn Bottling	Commercial	643 South Road	Hazmat Rail Buffer, Hazmat Road Buffer, Hazmat Pipe Buffer, Tier II Hazard Area, Steep Slope	Commercial
Milton Turnpike Solar	Commercial	132 Milton Tpke	Wildlife Interface Hazard Area, Hazmat Road Buffer, Hazmat Pipe Buffer, Tier II Hazard Area, Steep Slope	Commercial
Royal Energy Properties LLC	Industrial	1515-1519 Route 9W	Hazmat Rail Buffer, Hazmat Road Buffer, Hazmat Pipe Buffer, Steep Slope	Industrial
Ham III Realty, LLC	Commercial	9 Riverview Drive	Hazmat Rail, Road, Pipe Buffer	Industrial
Marlboro Distribution (PODS)	Commercial	1100 Route 9W	Hazmat Rail, Road, Pipe Buffer	Commercial
Known or Anticipated Major Development and Infrastructure in the Next Five (5) Years				
39 Main	Mixed Use	39 Main Street	Hazmat Rail Buffer, Hazmat Road Buffer, Hazmat Pipe Buffer, Steep Slope	Pending
SDL Marlboro, LLC	Residential	137 Dock Road	Hazmat Rail, Road, Pipe Buffer, Steep Slope	Pending

9.12.6 Jurisdictional Risk Assessment

The hazard profiles in Volume 1, Section 5 (Risk Assessment) provide detailed information regarding each plan participant's vulnerability to the identified hazards. Section 5.1 (Methodology and Tools) and Section 5.3 (Hazard Ranking) provide detailed summaries for the Town of Marlborough's risk assessment results and data used to determine the hazard ranking discussed later in this section.

Hazard area extent and location maps provided below illustrate the probable areas impacted within the jurisdiction based on the best available data at the time of the preparation of this plan and are adequate for planning purposes. Only maps for those hazards that can be identified clearly using mapping techniques and technologies and for which the Town of Marlborough has significant exposure are provided. The maps show the location of potential new development, where available.

Figure 9.12-1. Town of Marlborough Dam Inundation and Flood Hazard Area Extent and Location Map

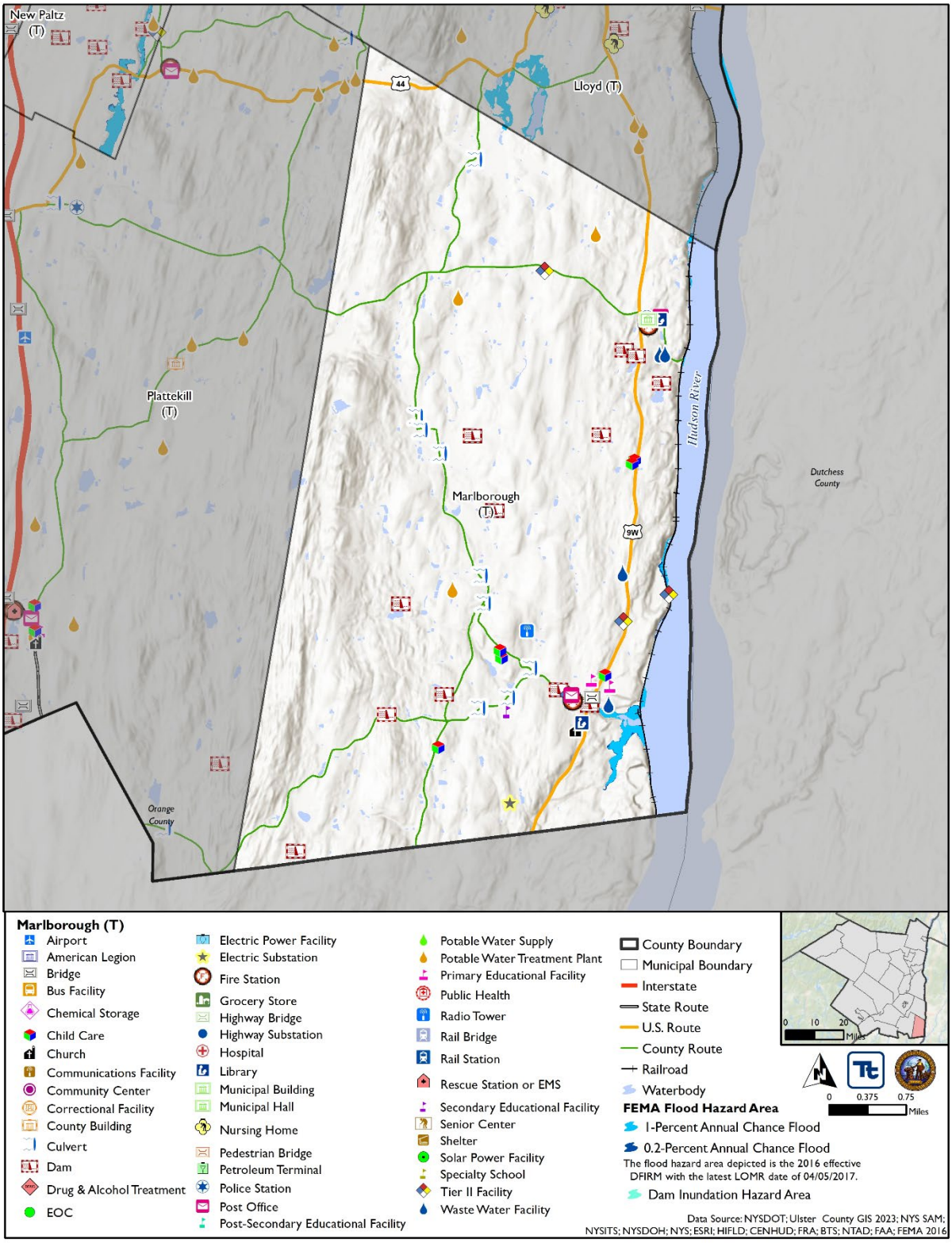


Figure 9.12-2. Town of Marlborough Hazardous Materials Hazard Area Extent and Location Map

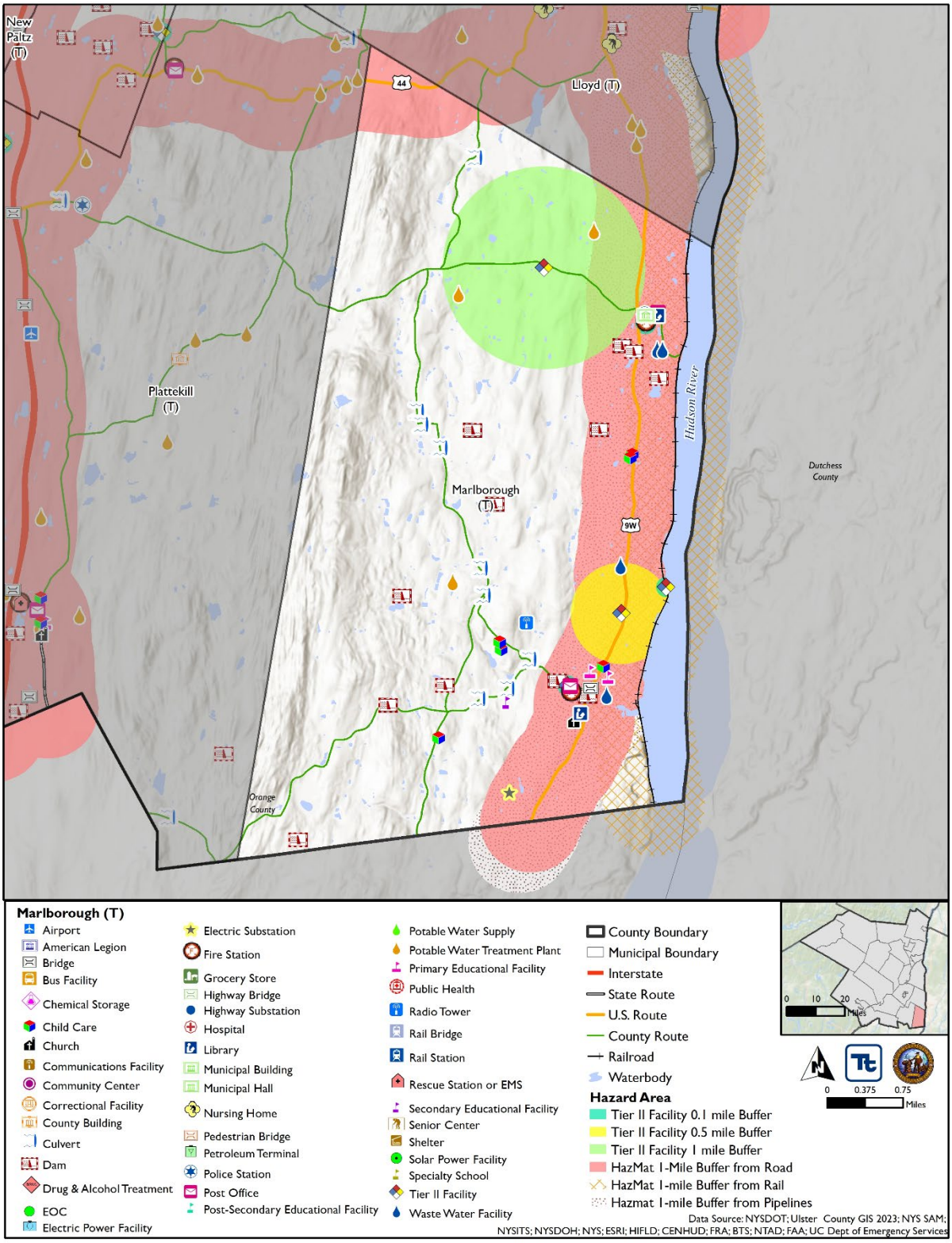


Figure 9.12-3. Town of Marlborough Surges and Sea Level Rise Hazard Area Extent and Location Map

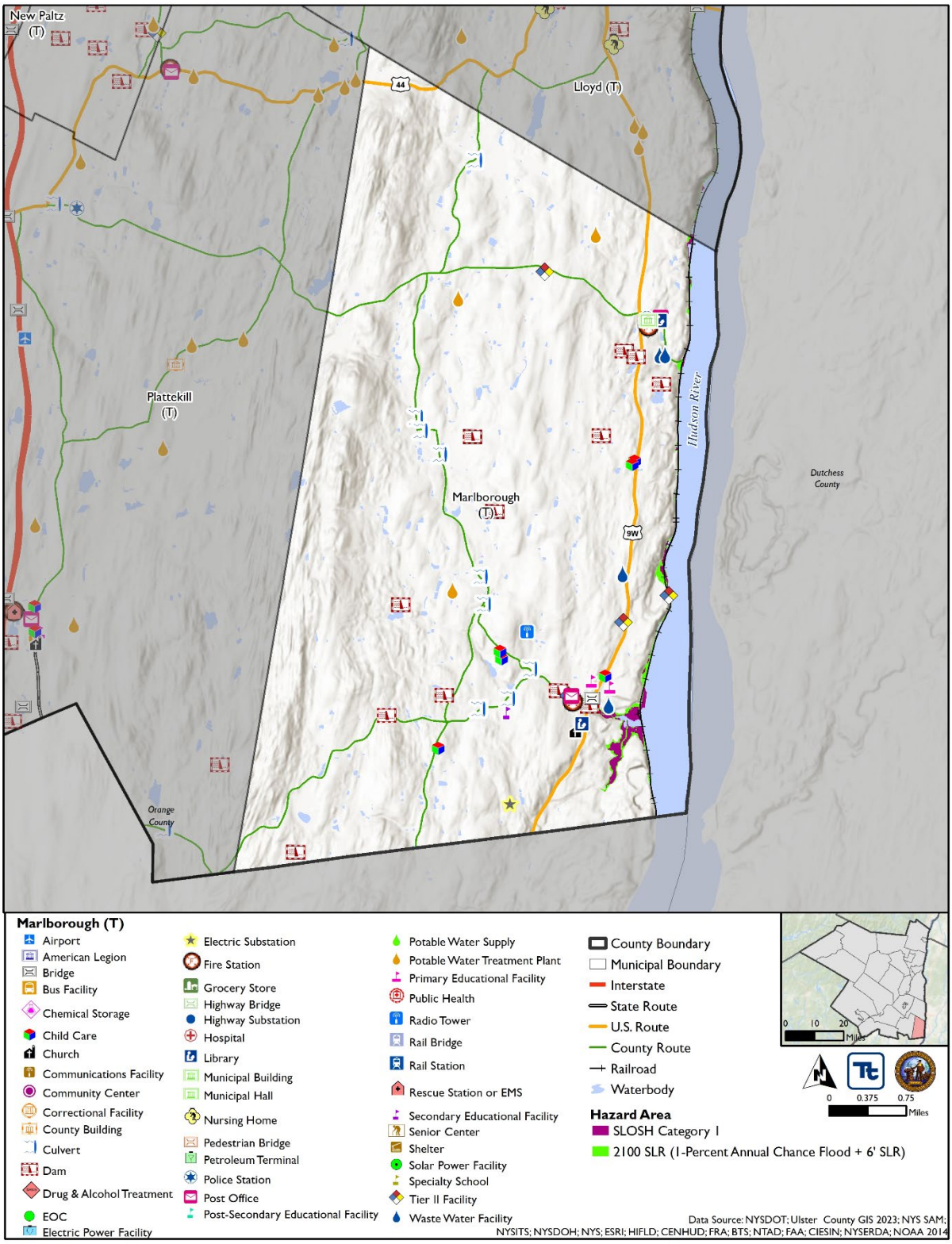
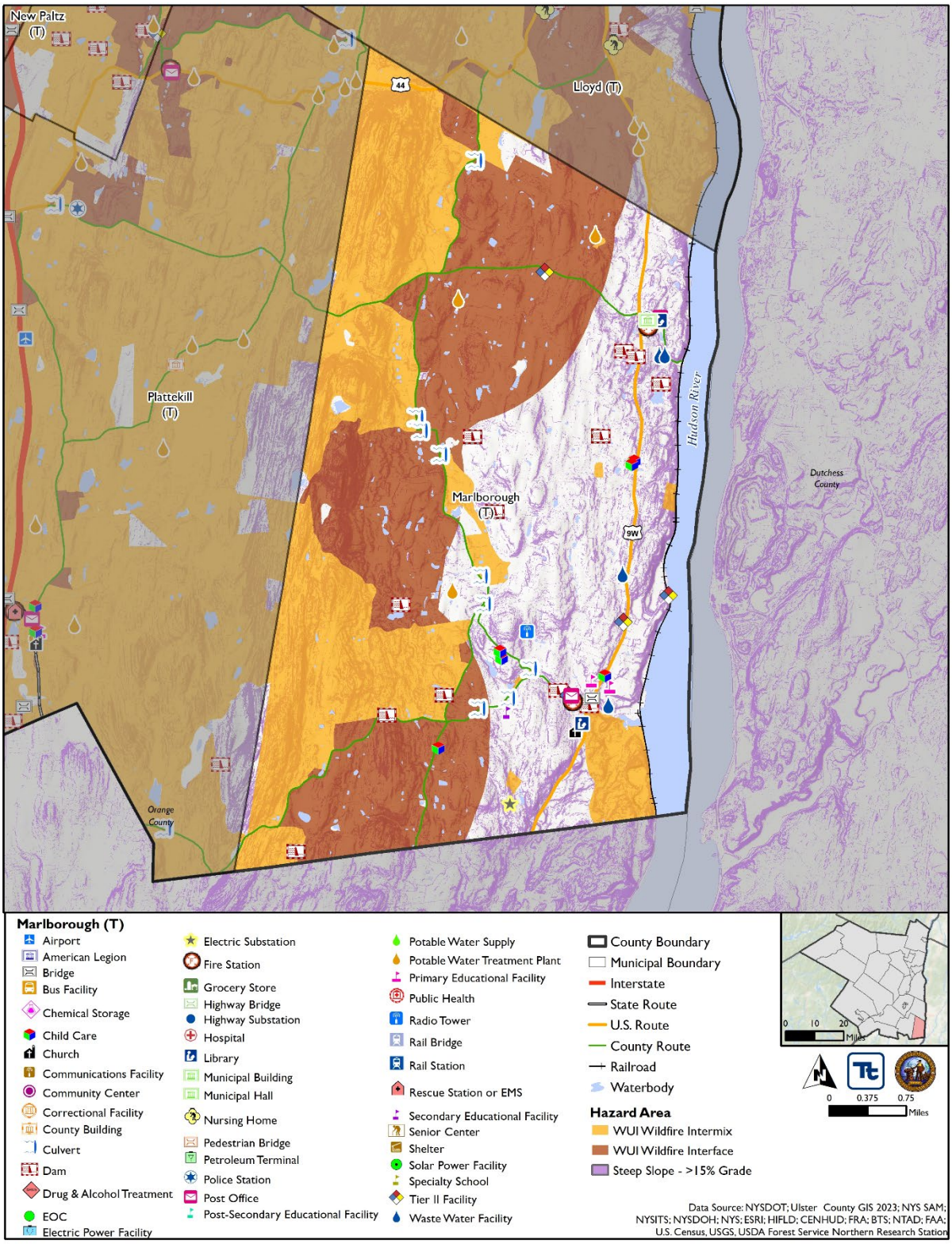


Figure 9.12-4. Town of Marlborough Steep Slope and Wildfire Hazard Area Extent and Location Map



Hazard Event History

Ulster County has a history of natural and non-natural hazard events, as detailed in Volume I, Section 5 (Risk Assessment). A summary of historical events is provided in each of the hazard profiles and includes a chronology of events that have affected the County and its municipalities.

The Town of Marlborough's history of federally declared (as presented by FEMA) and significant hazard events [as presented in NOAA-National Centers for Environmental Information (NCEI)] is consistent with that of the County. Table 9.12-13 provides details regarding municipal-specific loss and damages the Town experienced during hazard events since the last hazard mitigation plan update. Information provided in the table below is based on reference material or local sources. Refer to Section 5.4 (Hazard Profiles) for details on hazard events.

Table 9.12-13. Hazard Event History

Dates of Event	Event Type (Disaster Declaration if applicable)	County Designated?	Summary of Event	Municipal Summary of Damages and Losses
January 10, 2017	Strong Wind	No	A cold front moved through Ulster County bringing strong, gusty winds to the area. Wind speeds ranged from 40 to 60 mph.	The Town did not experience any significant damage. There were some downed trees and minor flooding.
March 14-16, 2017	Severe Winter Storm (DR-4322)	Yes	A coastal storm impacted the region from March 14th through the 16th, bringing heavy snowfall and blizzard conditions. A state of emergency was declared for New York State and truck bans were implemented for area interstates.	The Town did not experience any significant damage. There were some downed trees and minor flooding.
August 18, 2018	Flash Flood	No	A line of showers and thunderstorms brought heavy rainfall and led to flash flooding in Ulster County. Damages included flooded roadways, downed trees, and utility line damages.	The Town did not experience any significant damage. There were some downed trees and minor flooding.
January 20, 2020 – Present	Covid-19 Pandemic (DR-4480) (EM-3434)	Yes	Between March 1, 2020 and February 3, 2023, Ulster County reported 54,783 confirmed cases of COVID-19, and 414 total fatalities.	The Town did not experience any significant damage.
December 24-25, 2020	Flood	No	Heavy rain fell over the area during Christmas, causing flooding across Ulster County.	The Town did not experience any significant damage. There were some downed trees and minor flooding.
March 12-13, 2021	Strong Winds	No	Strong winds impacted Ulster County, with gusts of up to 55 mph. This led to downed trees and power lines, damaging vehicles and trees.	The Town did not experience any significant damage. There were some downed trees and minor flooding.
June 8, 2021	Lightning	No	Showers and thunderstorms impacted Ulster County, bringing between 1.5 and 2.5 inches of rain. Lightning struck a home in Ulster County, causing a fire.	The Town did not experience any significant damage. There were some downed trees and minor flooding.
September 1-3, 2021	Hurricane Ida (EM-3572) (DR-4615)	Yes	Hurricane Ida made its way up the east coast, through New York City and up through Ulster County. The county	The Town did not experience any significant damage. There were some

Dates of Event	Event Type (Disaster Declaration if applicable)	County Designated?	Summary of Event	Municipal Summary of Damages and Losses
			experienced heavy rainfall which left many streets, fields and farms flooded.	downed trees and minor flooding.
April 7-8, 2022	Flood	No	Heavy rain and widespread flooding hit eastern New York State, bringing rainfall totals of up to 4.5 inches. This heavy rainfall led to over a dozen rivers to exceed minor flood stage with a few rivers reaching moderate flood stage. Numerous roads were closed throughout Ulster County, some of which occurred in Marbletown, Kingston, Saugerties, Stone Ridge, Rosendale, Gardiner, Wawarsing and New Paltz. Basement flooding was also reported in Stone Ridge. Property damage totaled $50,000.	The Town did not experience any significant damage. There were some downed trees and minor flooding.
July 13, 2022	Tornado	No	A supercell thunderstorm resulted in multiple severe wind damage reports over Ulster and Dutchess Counties during the evening of Wednesday July 13, 2022. Additionally, the supercell resulted in a tornado and macroburst in Ulster County near Kingston, NY. In Ulster County, the tornado moved southeast to just west of the NY State Thruway crossing a subdivision where it uprooted and snapped trees, displaced a car canopy and removed some shingles from a house. Many homes were damaged by fallen trees. Aerial photos showed a swath of downed trees from a second vortex which moved along the northeast edge of the subdivision. Property damage totaled $28,000.	The Town did not experience any significant damage. There were some downed trees and minor flooding.

Notes:
EM *Emergency Declaration (FEMA)*
FEMA *Federal Emergency Management Agency*
DR *Major Disaster Declaration (FEMA)*
N/A *Not applicable*

Hazard Ranking and Vulnerabilities

The hazard profiles in Volume 1, Section 5 (Risk Assessment) have detailed information regarding each plan participant's vulnerability to the identified hazards. The following summarizes the Town of Marlborough's risk assessment results and data used to determine the hazard ranking.

Hazard Ranking

This section provides the community specific identification of the primary hazard concerns based on identified problems, impacts and the results of the risk assessment as presented in Volume 1, Section 5 (Risk Assessment). The ranking process involves an assessment of the likelihood of occurrence for each

hazard; the potential impacts of the hazard on people, property, and the economy; and community capabilities to address the hazard and changing future climate conditions. Mitigation action development uses the inputs from the evaluation to target those hazards with highest level of concern.

As discussed in Volume 1, Section 5.3 (Hazard Ranking), each participating jurisdiction has differing degrees of risk exposure and vulnerability compared with the County as a whole. Therefore, each jurisdiction ranked the degree of risk to each hazard as it pertains to their community. The table below summarizes the hazard risk/vulnerability rankings of potential natural hazards for the Town of Marlborough. The Town of Marlborough reviewed the County hazard risk/vulnerability risk ranking table and individual results to reflect the relative risk of the hazards of concern to the community.

During the review of the hazard/vulnerability risk ranking, the Town indicated the following:

- The Town changed the Landslide ranking from low to medium due to continual erosion of steep river access roads. Indian Trail in Milton is currently closed due to a landslide.
- The Town changed the Hazardous Materials ranking from low to medium due to hazardous materials passing through the Town.

Table 9.12-14. Hazard Ranking Input

Hazard	Ranking
Dam Failure	Low
Drought	Medium
Extreme Temperature	Medium
Flood	Low
Hazardous Materials	Medium
Landslide	Medium
Pandemic	Medium
Severe Storm	High
Severe Winter Storm	High
Utility Failure	Medium
Wildfire	Medium

Note: The scale is based on the hazard rankings established in Volume 1, Section 5.3 (Hazard Ranking) and modified as appropriate during review by the jurisdiction

Critical Facilities

NYSDEC Statute 6 CRR-NY 502.4 sets forth floodplain management criteria for State projects located in flood hazard areas. The law states that no such projects related to critical facilities shall be undertaken in a SFHA unless constructed according to specific mitigation specifications, including being raised 2-feet above the Base Flood Elevation (BFE). This statute is outlined at http://tinyurl.com/6-CRR-NY-502-4. While all vulnerabilities should be assessed and documented, New York State places a high priority on exposure to flooding. Critical facilities located in an SFHA, or having ever sustained previous flooding, must be protected to the 0.2-percent annual chance flood event or worst damage scenario. For those that do not meet these criteria, the jurisdiction must identify an action to achieve this level of protection (NYS DHSES 2017).

The table below identifies critical facilities in the community located in the 1-percent and 0.2-percent floodplain and presents Hazus-MH estimates of the damage and loss of use to critical facilities as a result of a 1-percent annual chance flood event.

Table 9.12-15. Potential Flood Losses to Critical Facilities

Name	Type	Exposure		Potential Loss from 1% Flood Event		Addressed by Proposed Action	Already Protected to 0.2% Flood Level (describe protections)
		1% Event	0.2% Event	Percent Structure Damage	Percent Content Damage		
None Identified							

Source: Ulster County, GIS 2023

Identified Issues

After review of the Town of Marlborough's hazard event history, hazard rankings, jurisdiction specific vulnerabilities, hazard area extent and location, and current capabilities, the Town of Marlborough identified the following vulnerabilities within their community:

- When the Town receives moderate to heavy rain, the culvert system located on the west side of Ridge Road fails, causing the rainwater to pond on the street and runoff east into a nearby orchard. *
- Old Indian Trail Road is currently closed as a large rockslide took half the road away and washed it onto the railroad tracks. A 50' section of the roadway slid down a 100' embankment which temporarily closed the CSX railroad line due to heavy rain. The landslide is at the north end of Old Indian Trail in Milton. The Town does not currently have the funding to repair this road as the cost estimates are in the millions. The engineers want to begin with boring Due to easement issues nothing has been done yet. The road is closed to thru traffic and is being treated as a dead end.
- The Town does not have designated Red Cross shelters with backup generators to protect residents during hazard events.
- The Hamlets of Marlborough and Milton experience consistent flooding during high precipitation events.
- The Town experiences poor cell services in areas which makes it hard to communicate and receive emergency notifications when the power is out. This also inhibits communication between municipalities, the County and with residents.
- The Town experiences limited communication capabilities throughout the County which inhibits emergency response capabilities as well as communication between various departments in the Town and neighboring jurisdictions.
- The Town has four repetitive loss and one severe repetitive loss properties. Many of these structures were built without flood design standards. These properties require mitigation to prevent future losses and prevent loss of life and property damage. Progress has been made on elevating buildings and reconstructing new buildings that are more resistant to flooding.
- Farmers in the Town and County are unaware of how crop loss insurance works to protect them against the loss of crops due to natural disasters.

**This issue was identified as a specific area of concern based on resident response to the Ulster County Hazard Mitigation Citizen survey.*

9.12.7 Mitigation Strategy and Prioritization

This section discusses past mitigations actions and status, describes proposed hazard mitigation initiatives, and prioritizes actions to address over the next five years.

Past Mitigation Initiative Status

The following table indicates progress on the community's mitigation strategy identified in the 2018 HMP. Actions that are in progress are carried forward and combined with new actions as part of this plan update and are included in the tables with prioritization. Previous actions that are now on-going programs and capabilities are indicated as such and previously presented in the 'Capability Assessment' earlier in this annex.

Table 9.12-16. Status of Previous Mitigation Action

Project #	Project	Hazard(s) Addressed	Brief Summary of the Original Problem	Responsible Party	Status (In Progress, Ongoing, No Progress, Complete)	Evaluation of Success (if project status is complete)		1. Next Steps Project to be included in 2024 HMP or Discontinue 2. If including action in the 2024 HMP, revise/reword to be more specific (as appropriate). 3. If discontinue, explain why.
1	Develop Fire hazard severity overlay zone	Wildfires	The is not a fire overlay zone for zoning.	Town Planning and GIS	No Progress	Cost		1. Discontinue
						Level of Protection		2. -
						Damages Avoided; Evidence of Success		3. No action needed, remove project
2	Institute education requirements for planning board in mitigation methods for subdivision/site plan review	Wildfire	Planning Board has education requirement, but none that directly require members to be informed on mitigation methods for subdivision/site reviews.	Town Planning	Ongoing Capability	Cost		1. Discontinue
						Level of Protection		2. -
						Damages Avoided; Evidence of Success		3. No action needed, remove project
3	Signage to identify fire hazard risks	Wildfire	There is no public signage identifying areas in the Town as fire hazard risks.	Town Board, Building Department	No Progress	Cost		1. Discontinue
						Level of Protection		2. -
						Damages Avoided; Evidence of Success		3. No action needed, remove project

Additional Mitigation Efforts

In addition to the mitigation initiatives completed in Table 9.12-16, the Town of Marlborough identified the following mitigation efforts completed since the last HMP:

- None Identified

Since the adoption of the County's first HMP, the Town of Marlborough has made significant mitigation progress in the following areas:

- None Identified

Proposed Hazard Mitigation Initiatives for the HMP Update

The Town of Marlborough participated in a mitigation action workshop in June 2023 and was provided the following FEMA publications to use as a resource as part of their comprehensive review of all possible activities and mitigation measures to address their hazards: FEMA 551 'Selecting Appropriate Mitigation Measures for Floodprone Structures' (March 2007) and FEMA 'Mitigation Ideas – A Resource for Reducing Risk to Natural Hazards' (January 2013).

The table below indicates the range of proposed mitigation action categories. Both the four FEMA mitigation action categories and the six CRS mitigation action categories are listed in the table to further demonstrate the wide-range of activities and mitigation measures selected.

Table 9.12-17. Analysis of Mitigation Actions by Hazard and Category

Hazard	FEMA				CRS					
	LPR	SIP	NSP	EAP	PR	PP	PI	NR	SP	ES
Dam Failure	-	X	-	-	X	-	-	-	X	X
Drought	-	X	-	X	X	-	X	-	X	X
Extreme Temperature	-	X	-	X	X	-	X	-	X	X
Flood	-	X	X	X	X	-	X	X	X	X
Hazardous Materials	-	X	-	X	X	-	-	-	X	X
Landslide	-	X	-	-	X	-	-	-	X	X
Pandemic	-	X	-	-	X	-	-	-	X	X
Severe Storm	-	X	X	X	X	-	X	X	X	X
Severe Winter Storm	-	X	X	X	X	-	X	X	X	X
Utility Failure	-	X	-	-	X	-	-	-	X	X
Wildfire	-	X	-	X	X	-	X	-	X	X

Note: Mitigation categories are described below the Mitigation Initiatives Table (Table 9.12-18).

The table below summarizes the specific mitigation initiatives the Town of Marlborough would like to pursue in the future to reduce the effects of hazards. The initiatives are dependent upon 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.

Table 9.12-18. Proposed Hazard Mitigation Initiatives

Project Name	Project Title	Goals Met	Hazard(s) to be Mitigated	Description of Problem and Solution	Critical Facility (Yes/No)	EHP Issues	Estimated Timeline	Lead and Support Agencies	Estimated Costs	Estimated Benefits	Potential Funding Sources	Priority	Mitigation Category	CRS Category
2024-Town of Marlborough -001	Culvert Repair	2	Flood, Severe Storm, Severe Winter Storm	**Problem**: When the Town receives moderate to heavy rain, the culvert system located on the west side of Ridge Road fails, causing the rainwater to pond on the street and runoff east into a nearby orchard. **Solution**: The Town will conduct a culvert study to determine the issues with the culvert and will acquire funding to fix/upsize the culvert to follow the study recommendations.	No	No	Less than 5 years	Highway Department, Engineer	>$100,000	Ridge road will have less flooding and runoff.	HMGP, FMA, BRIC	High	SIP	SP
2024- Town of Marlborough -002	Old Indian Trail	2	Landslide	**Project:** Old Indian Trail Road is currently closed as a large rockslide took half the road away and washed it onto the railroad tracks. A 50' section of the roadway slid down a 100' embankment which temporarily closed the CSX railroad line due to heavy rain. The landslide is at the north end of Old Indian Trail in Milton. The Town does not currently have the funding to repair this road as the cost estimates are in the millions. The engineers want to begin with boring Due to easement issues nothing has been done yet. The road is closed to thru traffic and is being treated as a dead end. **Solution:** The Town will work with engineers to determine the best and most cost-effective method of correcting and preventing future landslides from occurring and will implement that project/method and will conduct routine maintenance. .	No	No	Less than 5 Years for engineers	Highway Department, Planning Board Engineers, CSX railroad	$2 Million	The Road, trail and CSX railroad line will become operable again.	HMGP, BRIC	High	SIP	SP

Project Name	Project Title	Goals Met	Hazard(s) to be Mitigated	Description of Problem and Solution	Critical Facility (Yes/No)	EHP Issues	Estimated Timeline	Lead and Support Agencies	Estimated Costs	Estimated Benefits	Potential Funding Sources	Priority	Mitigation Category	CRS Category
2024- Town of Marlborough -003	Red Cross Shelters and Generators	1, 2	Dam Failure, Drought, Extreme Temperature, Flood, Hazardous Materials, Landslide, Pandemic, Severe Storm, Severe Winter Storm, Utility Failure, Wildfire	**Problem:** The Town does not have designated Red Cross shelters with backup generators to protect residents during hazard events. **Solution:** The Town will work with the County in order to get the new cultural center and Town Hall to become Red Cross certified and will obtain funding for generators and installation after an engineering study is conducted. The Town will perform routine maintenance on the facilities and the generators to always keep them ready for an emergency.	Yes	No	Less than 5 years	Engineering, Highway Department, County Emergency Manager	$100,000 per generator	The Town will be able to protect their residents during hazard events.	HMGP, ESG	High	SIP	ES
2024- Town of Marlborough -004	Flood Study	2	Flood, Severe Storm, Severe Winter Storm	**Problem**: The Hamlets of Marlborough and Milton experience consistent flooding during high precipitation events. **Solution**: The Town will aid in conducting a flood study to determine what can be done to reduce flooding in these areas and will implement the best and most cost-effective solution.	No	No	Less than 5 years	Engineer, Floodplain Administrator, Highway Department	>$5,000 for flood study	The Town will become more knowledgeable of reasons for flooding and will implement the best solution.	FMA, HMGP	High	NSP	NR
2024- Town of Marlborough -005	Cell Tower Installation	2	Dam Failure, Drought, Extreme Temperature, Flood, Hazardous Materials, Landslide, Pandemic, Severe Storm,	**Problem:** The Town experiences poor cell services in areas which makes it hard to communicate and receive emergency notifications when the power is out. This also inhibits communication between municipalities, the County and with residents. **Solution:** The Town will conduct a study to determine where additional communication towers need to be	Yes	No	Less than 5 years	Highway Department, Engineer, Planning Department, Ulster County	TBD after the study	The Town will be able to communicate with emergency responders and other municipalities.	HMGP, BRIC	High	SIP	PR

Project Name	Project Title	Goals Met	Hazard(s) to be Mitigated	Description of Problem and Solution	Critical Facility (Yes/No)	EHP Issues	Estimated Timeline	Lead and Support Agencies	Estimated Costs	Estimated Benefits	Potential Funding Sources	Priority	Mitigation Category	CRS Category
			Severe Winter Storm, Utility Failure, Wildfire	located in order for the Town to have cell service throughout the entirety of its boundaries. The Town will then acquire funding to purchase and install cell towers. Residents, the Town Administration and the County will have the ability to contact one another in emergency situations and power outages and will also be able to receive emergency notification warnings to their cell phones.										
2024- Town of Marlborough -006	Radio Towers	2	Dam Failure, Drought, Extreme Temperature, Flood, Hazardous Materials, Landslide, Pandemic, Severe Storm, Severe Winter Storm, Utility Failure, Wildfire	**Problem:** The Town experiences limited communication capabilities throughout the County which inhibits emergency response capabilities as well as communication between various departments in the Town and neighboring jurisdictions. **Solution:** The Town will assist the County in a radio tower study to ensure that the entirety of the County has service with radio tower implementation. The Town will then acquire funding for any radio towers that are needed in the Town limits to ensure communication for emergency responders is available County wide.	Yes	No	Less than 5 years	Engineer, Highway Department, Planning Department, Ulster County	TBD after study	Better communication for emergency responders.	HMGP, BRIC	High	SIP	ES
2024- Town of Marlborough -007	Repetitive Loss Mitigation	2	Flood, Severe Storm, Severe Winter Storm	**Problem:** The Town has four repetitive loss and one severe repetitive loss properties. Many of these structures were built without flood design standards. These properties require mitigation to prevent future losses and prevent loss of life and property damage. Progress has been made on elevating buildings and reconstructing new buildings that are more resistant to flooding.	No	No	Less than 5 Years for Outreach	Floodplain Administrator, Highway Department,, Engineer, Property Owners	TBD after mitigation measure is identified	Eliminates flood damage to homes and residents, creates open space for the municipality increasing flood storage.	FEMA HMGP and FMA, BRIC, local cost share by residents	High	SIP	SP

Project Name	Project Title	Goals Met	Hazard(s) to be Mitigated	Description of Problem and Solution	Critical Facility (Yes/No)	EHP Issues	Estimated Timeline	Lead and Support Agencies	Estimated Costs	Estimated Benefits	Potential Funding Sources	Priority	Mitigation Category	CRS Category
				Solution: The Town will conduct outreach to the RL/SRL property owners and provide information on mitigation alternatives. After preferred mitigation measures are identified, collect required property-owner information, and develop a FEMA grant application and BCA to obtain funding to implement acquisition/purchase/moving/elevating residential homes in the flood prone areas that experience frequent flooding (high risk areas).										
2024- Town of Marlborough -008	Crop Loss Insurance Outreach	1, 2, 3, 4	Flood, Drought, Extreme Temperature, Severe Storm, Severe Winter Storm	**Problem:** Farmers in the Town and County are unaware of how crop loss insurance works to protect them against the loss of crops due to natural disasters. **Solution:** The Town will work with the County will create a workshop to educate farmers on how they can create a crop loss insurance policy and will explain the benefits.	No	No	1 Year, Ongoing once established	County Mitigation Planning Board, County Environmental Management Council, Town Farmers, USDA	Staff Time	This action provides farmers with the knowledge of how Crop Loss insurance works and helps to protect their income from hazard events that may impact growing seasons.	County Budget, Town Budget	High	EAP	PI

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

Acronyms and Abbreviations:
CAV *Community Assistance Visit*
CRS *Community Rating System*
DPW *Department of Public Works*
EHP *Environmental Planning and Historic Preservation*
FEMA *Federal Emergency Management Agency*
FPA *Floodplain Administrator*
HMA *Hazard Mitigation Assistance*
N/A *Not applicable*

Potential FEMA HMA Funding Sources:
FMA *Flood Mitigation Assistance Grant Program*
HMGP *Hazard Mitigation Grant Program*
BRIC *Building Resilient Infrastructure and Communities Program*

Timeline:
The time required for completion of the project upon implementation.

Cost:
The estimated cost for implementation.

Benefits:
A description of the estimated benefits, either quantitative and/or qualitative.

NFIP National Flood Insurance Program
OEM Office of Emergency Management

Critical Facility:
Yes Critical Facility located in 1% floodplain

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:

- *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.*

The prioritization criteria provided in Volume 1 Section 6 (Mitigation Strategy) identify 14 evaluation/prioritization criteria 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 actions as ‘High’, ‘Medium’, or ‘Low.’ The table below provides a summary of the prioritization of all proposed mitigation initiatives for the HMP update.

Table 9.12-19. Summary of Prioritization of Actions

Project Number	Project Name	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
2024-Town of Marlborough-001	Culvert Repair	1	1	1	1	1	1	0	1	1	1	1	0	1	1	12	High
2024-Town of Marlborough-002	Old Indian Trail	1	1	1	1	1	1	0	1	1	1	0	1	1	1	12	High
2024-Town of Marlborough-003	Red Cross Shelters and Generators	1	0	1	1	1	1	0	1	1	1	1	1	1	1	12	High
2024-Town of Marlborough-004	Flood Study	1	1	1	1	1	1	0	1	1	1	1	1	0	0	11	High
2024-Town of Marlborough-005	Cell Tower Installation	1	1	1	1	1	1	0	1	1	1	1	1	1	1	13	High
2024-Town of Marlborough-006	Radio Towers	1	1	1	1	1	1	0	1	1	1	1	1	1	1	13	High
2024-Town of Marlborough-007	Repetitive Loss Mitigation	1	1	1	1	1	1	0	1	1	1	1	1	1	1	13	High
2024-Town of Marlborough-008	Crop Loss Insurance Outreach	0	1	1	1	1	1	1	1	1	1	1	1	0	1	12	High

Note: Volume 1, Section 6 (Mitigation Strategy) conveys guidance on prioritizing mitigation actions. Low (0-4), Medium (5-8), High (9-14).