2025 Hazard Mitigation Plan Onondaga County, **New York**

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Village of Minoa Annex



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This Annex details the hazard mitigation elements specific to the Village of Minoa, a participating jurisdiction to the 2025 Onondaga County Hazard Mitigation Plan update. This Annex is not intended to be a standalone document but supplements the information contained in **Volume 1** (Countywide Planning Elements). Therefore, all sections of **Volume 1** including the planning process, hazard identification and risk assessment, mitigation strategy (includes mitigation goals and objectives), and plan maintenance apply to and were met by the Village of Minoa. This Annex provides additional information specific to the Village, with a focus on providing additional details on the hazard risk assessment and mitigation strategy (i.e., mitigation actions) for this community.

1. HAZARD MITIGATION LOCAL PLANNING TEAM

The following individuals have been identified as the Village of Minoa Local Planning Team for the 2025 Onondaga County Hazard Mitigation Plan. These individuals participated in all aspects of the planning process and developed a risk and vulnerability assessment, capability assessment, and mitigation strategy (including mitigation actions) specific to the jurisdiction.

Name	Title	Department
Eric Cushing	Manager	Wastewater Treatment Facility
John Champagne	Deputy Mayor	Village Board
Tom Petterelli	Superintendent	Department of Public Works

2. MUNICIPAL PROFILE

The Village of Minoa lies in the northern portion of the Town of Manlius, and it has a total area of 1.2 square miles. The Village is bisected by the DeWitt Yards located along Conrail which takes traffic to the east and west. Limestone Creek flows to the north along portions of the eastern corporate limits of the Village. The Village of Minoa is located in the Town of Manlius on NY-257. *The Town of Manlius has developed its own dedicated annex as part of this Plan.*

2.1. Population

In 2023, the Village of Minoa had a population of 3,657, a 5.3% increase from the estimated 2018 population of 3,474. **Table 1** summarizes population distribution between 2010 and 2023, and the percentage of the 2023 population that is under five (5) years old, over 65 years old, and living below poverty level.

	Рој	pulation		Unc	lerserved Populati	on
2010 ¹	2010¹ 2018² 2023³ Population Change $(2018 - 2023)$		Youth ³ (Under 5 years old)	Elderly ³ (Over 65 years old)	Below Poverty Level ⁴	
3,416	3,474	3,657	5.3%	4.5%	23.3%	4.8%

Table 1.	Population Trends
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¹ United States Census Bureau. (2010). DP05: ACS Demographic and Housing Estimates (2010: 5-Year Estimates Data Profiles). Retrieved from <u>https://data.census.gov/table/ACSDP5Y2010.DP05?g=060XX00US3606711913</u>.

² United States Census Bureau. (2018). DP05: ACS Demographic and Housing Estimates (2018: 5-Year Estimates Data Profiles). Retrieved from <u>https://data.census.gov/table/ACSDP5Y2018.DP05?g=060XX00US3606711913</u>.

³ United States Census Bureau. (2023). DP05: ACS Demographic and Housing Estimates (2023: 5-Year Estimates Data Profiles). Retrieved from <u>https://data.census.gov/table/ACSDP5Y2023.DP05?g=160XX00US3647757</u>.

⁴ United States Census Bureau. (2023). S1701: Poverty Status in the Past 12 Months (2023: 5-Year Estimates Subject Tables). Retrieved from <u>https://data.census.gov/table/ACSST5Y2023.S1701?g=160XX00US3647757</u>.



2.2. History and Cultural Resources

The Village of Minoa was a part of the former Central New York Military Tract and was known as Manlius Station. Manlius Station was a stop on the Syracuse-Utica railroad. Minoa was incorporated as a Village on January 12, 1913, and was a prominent railroad community.

3. GROWTH/DEVELOPMENT TRENDS

Understanding development trends can help evaluate whether the jurisdiction's vulnerability has increased, decreased, or remained the same. **Table 2** summarizes the total housing units built in the Village of Minoa between 2019 and 2023.⁵

Туре	2019	2020	2021	2022	2023
Single-Family Units	1	1	9	2	5
Multi-Family Units	0	0	0	0	0
2-Family Units	0	0	0	0	0
3-Family Units	0	0	0	0	0
Apartment Units	0	0	0	0	0
Total Units	1	1	9	2	5

Table 2.Housing Units Built (2019 - 2023)

The Onondaga County Housing Needs Assessment, a component of the County's Comprehensive Plan, explores the County's housing market and its challenges in greater depth and argues that one of the County's greatest housing needs is an improved approach to land use planning. In the Assessment, it is stated that there are similarities and affinities between certain groups of municipalities. Therefore, the County was sub-divided into seven (7) sub-regions, each of which covers multiple municipalities. The municipalities within each sub-region, share sufficient geographic and market characteristics to be treated as a single place for purposes of further understanding the county housing market.

The Village of Minoa is in the Outer Ring East sub-region. Total household growth between 2000 and 2020 was 8.0% which is below the average of all the towns/villages within the County (the average of all the County towns/villages was 12.0%). If demand continues to grow in the County, Outer Ring East is well positioned to capture a share of the growth. Overbuilding typical single-family for sale products is a potential threat to market health as household growth tilts in the direction of rental while the growth in owner households comes from smaller and older households. Under a low growth scenario, it is likely that Outer Ring East would see a decrease in the total number of homeowners and a growing number of renter households. It is also likely that some conversion of owner-occupied houses to rental could occur. Market changes would happen gradually, with strong areas remaining strong for longer, and new single-family development would maintain a feeling of growth and success if it occurs. The degree and speed of stagnation, and possible market decline, would be dependent on the amount of typical sprawling ownership housing development in the County. The greater the number of units built for the ownership market, the higher the risk of rental conversion or vacancy of formerly owner-occupied houses.

Table 3 summarizes major recent residential/commercial development (in the past five (5) years), and any known or anticipated major residential/commercial development and major infrastructure development, as of December 2024, that is likely to occur within hazard prone areas in the next five (5) years.

⁵ Data provided by the Onondaga County Department of Planning based on Real Property Data (2024).



Property or Development Name	Location	Type (e.g., residential, commercial)	# of Units/ Structures	Known Hazard Zone(s)	Status of Development			
	Recent Development in the Past Five (5) Years (2019 – 2024)							
Minoa Farms (Phase 2A)	Clairborn Court Minoa, NY 13057	Residential	14	Flood	Complete			
Known or Anticipated Development in the Next Five (5) Years (2024 – 2029)								
Minoa Farms (Phase 5)	Minoa Farms	Residential	50	Flood	In Progress			

Table 3.Growth and Development

3.1. Changes in Priority

The overall hazard mitigation priorities have not significantly changed for the Village of Minoa since the last Plan update. However, mitigation actions from the previous Plan were updated, and a more concerted effort on achieving equitable outcomes for all communities, including underserved communities and socially vulnerable populations, has been implemented.

4. CAPABILITY ASSESSMENT

Federal regulations require hazard mitigation plans to identify goals for reducing long-term vulnerabilities to the identified hazards in the planning area (Section 201.6(c)(3)(i)). A critical step in the development of specific hazard mitigation actions and projects is assessing existing authorities, policies, programs, and resources and capabilities to use or modify local tools to reduce losses and vulnerability from profiled hazards.

A capability assessment was conducted for the Village of Minoa's authorities, policies, programs, and resources. Goals and mitigation actions were developed using input from this assessment. Information regarding the Village's implementation of and continued participation in the National Flood Insurance Program (NFIP) can be found in Section 5 of this Annex.

The Local Planning Team assessed the Village's capabilities that can contribute to the reduction of long-term vulnerabilities to hazards. The capabilities include the following categories:

- Planning and Regulatory Capabilities
- Administrative and Technical Capabilities
- Fiscal Capabilities
- Education and Outreach Capabilities

Additionally, ways to expand on and improve these existing policies and programs to integrate hazard mitigation into the day-to-day activities and programs of the Village were considered.

4.1. Planning and Regulatory Capabilities

Table 4 includes local ordinances, policies, and laws to manage growth and development (e.g., land use plans, capital improvement plans, transportation plans, emergency preparedness and response plans, building codes, and zoning ordinances).

Capability Category	Yes/No	Authority (local, county, state, federal)	Responsible Department/ Agency	Code Citation and Comments (e.g., Code Chapter, name of plan, explanation of authority, etc.)				
Planning Capability								
Comprehensive Plan	Yes	Local	Planning Board	Amended in March 2020				
Capital Improvements Plan	No	N/A	N/A	N/A				
Floodplain Management / Basin Plan	Yes	Local	Code Enforcement					
Stormwater Management Plan	Yes	Local	Code Enforcement	Member of the Central New York (CNY) Stormwater Coalition Stormwater Management Program Plan (August 2024)				
Open Space Plan	Yes	Local	Planning Board, Village Board	Comprehensive Plan				
Stream Corridor Management Plan	No	N/A	N/A	N/A				
Watershed Management or Protection Plan	No	N/A	N/A	N/A				
Economic Development Plan	No	N/A	N/A	N/A				
Comprehensive Emergency Management Plan	Yes	Local	Fire Department	Emergency Disaster Plan Book – Updated in December 2008				
Emergency Operation Plan	Yes	Local	Code Enforcement	Emergency Health Operation Plan – Updated in April 2021				
Evacuation Plan	Yes	Local	Code Enforcement	Local Disaster Plan – Updated in December 2008				
Post-Disaster Recovery Plan	No	N/A	N/A	N/A				
Transportation Plan	No	N/A	N/A	N/A				
Strategic Recovery Planning Report	No	N/A	N/A	N/A				
Climate Adaptation Plan	No	N/A	N/A	N/A				
Resilience Plan	No	N/A	N/A	N/A				
		Regulatory Ca	apability					
Building Code	Yes	State, Local	Office of Code Enforcement	Chapter 16 of the New York State Building Code Chapter 51 of the Village Code				
Zoning Ordinance	Yes	Local	Office of Code Enforcement	Chapter 160 of the Village Code				

Table 4.Planning and Regulatory Tools



Capability Category	Yes/No	Authority (local, county, state, federal)	Responsible Department/ Agency	Code Citation and Comments (e.g., Code Chapter, name of plan, explanation of authority, etc.)
Subdivision Ordinance	Yes	Local	Office of Code Enforcement	Chapter 140 of the Village Code
NFIP Flood Damage Prevention Ordinance	Yes	Local	Office of Code Enforcement	Chapter 75 of the Village Code
NFIP: Cumulative Substantial Damages	Yes	Local	Office of Code Enforcement	Chapter 75 of the Village Code
NFIP: Freeboard	Yes	State, Local	Office of Code Enforcement	Chapter 16 of the New York State Building Code State mandated two (2) feet above the BFE for all construction, both residential and non-residential.
Growth Management Ordinances	No	N/A	N/A	N/A
Site Plan Review Requirements	Yes	Local	Planning Board	Chapter 127 of the Village Code
Stormwater Management Ordinance	Yes	Local	Department of Public Works	Chapter 135 of the Village Code
Municipal Separate Storm Sewer System (MS4)	Yes	State, County, Local	Department of Public Works, Wastewater Treatment Facility	Permits are required for stormwater discharges from MS4s in urbanized areas and for construction activities disturbing one (1) or more acres. The Village has been automatically designated as a regulated MS4 and required to develop a comprehensive stormwater management program.
Natural Hazard Ordinance	No	N/A	N/A	N/A
Post-Disaster Recovery Ordinance	No	N/A	N/A	N/A
Real Estate Disclosure Requirement	Yes	State	New York State Department of State, Real Estate Agent	New York Code – Article 14 §460- 467 (Property Condition Disclosure Act)
Other (Special Purpose Ordinances [i.e., sensitive areas, steep slope])	No	N/A	N/A	N/A

4.2. Administrative and Technical Capabilities

The administrative and technical capabilities, listed in **Table 5**, include community (i.e., public and private) staff and their skills and tools, which can be used for mitigation planning and implementation. This capability includes engineers, planners, emergency managers, Geographic Information System (GIS) analysts, building inspectors, grant writers, and floodplain managers. Small communities may rely on other government entities, such as counties or special districts, for resources.



Table 5.

Administrative and Technical Capabilities

Capability	Yes/No	Position/Department/Agency						
Admin	Administrative Capability							
Planning Board	Yes	Planning Board						
Mitigation Planning Committee	No	N/A						
Environmental Board/Commission	No	N/A						
Open Space Board/Committee	No	N/A						
Economic Development Commission/Committee	No	N/A						
Maintenance programs to reduce risk	Yes	Department of Public Works						
Mutual aid agreements	No	N/A						
Technic	al/Staffing Caj	pability						
Planner(s) or engineer(s) with knowledge of land development and land management practices	Yes	Engineering Consultant						
Engineer(s) or professional(s) trained in construction practices related to buildings and/or infrastructure	Yes	Code Enforcement Officer, Office of Code Enforcement Engineering Consultant						
Planners or engineers with an understanding of natural hazards	Yes	Engineering Consultant						
NFIP Floodplain Administrator	Yes	Code Enforcement Officer, Office of Code Enforcement						
Surveyor(s)	No	N/A						
Personnel skilled or trained in GIS applications	Yes	Engineering Consultant						
Scientist familiar with natural hazards	No	N/A						
Warning systems/services	Yes	Onondaga County Emergency Communications (911)						
Emergency Manager	Yes	Village Mayor Village Board						
Grant writer(s)	No	N/A						
Staff with expertise or training in benefit/cost analysis	Yes	Village Clerk-Treasurer						
Professionals trained in conducting damage assessments	No	N/A						

4.3. Fiscal Capabilities

Table 6 contains a list of fiscal capabilities available to the Village that may be used to implement mitigation activities to reduce risk and enhance resiliency. This capability includes available funding sources from local budgets, state and federal grants, potential cost-sharing arrangements with private entities, existing insurance policies, and the ability to generate additional revenue through fees and bonds related to mitigation.



Financial Resources	Accessible or Eligible to Use
Community Development Block Grants (CDBG, CDBG-DR)	Yes
Federal Hazard Mitigation Assistance Program (i.e., Hazard Mitigation Grant Program (HMGP), HMGP Post Fire, Building Resilient Infrastructure and Communities (BRIC), Flood Mitigation Assistance (FMA) Program)	Yes
Capital Improvements Project Funding	Yes
Authority to Levy Taxes for specific purposes	Yes
User fees for water, sewer, gas or electric service	Yes
Impact fees for homebuyers or developers of new development/homes	No
Stormwater Utility Fee	No
Incur debt through general obligation bonds	Yes
Incur debt through special tax bonds	No
Incur debt through private activity bonds	No
Withhold public expenditures in hazard-prone areas	No
Other federal or state funding programs	Yes
Open Space Acquisition funding programs	No

Table 6.Fiscal Capabilities

4.4. Education and Outreach Capabilities

Table 7 lists the Village's education and public outreach capabilities that can be used to inform residents about potential hazards, educate on mitigation strategies, and encourage proactive actions to reduce the community's impacts to disasters. These capabilities include fire safety programs, hazard awareness campaigns, public information, and communications offices.

Resource	Yes/No	Position/Department/Agency
Public Information Officer	Yes	Code Enforcement Officer, Office of Code Enforcement
Personnel skilled or trained in website development	Yes	Board of Cooperative Educational Services (BOCES)
Hazard mitigation information available on the jurisdiction's website	Yes	Village Board
Utilize social media for hazard mitigation education	Yes	Code Enforcement Officer, Office of Code Enforcement
Citizen boards or commissions that address issues related to hazard mitigation	No	N/A
Other programs already in place that could be used to communicate hazard-related information	Yes	Planning Board
An established warning system for hazard events	Yes	Onondaga County Emergency Communications (911)

Table 7.Education and Outreach Resources



4.5. Community Classifications

The community classification relates 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 (i.e., preparedness, response, recovery and mitigation) and are used as an underwriting parameter for determining the costs of various forms of insurance. **Table 8** summarizes classifications for community programs available to the Village of Minoa.

Program	Yes/No	Classification (if applicable)	Date Classified (if applicable)
Community Rating System (CRS)	No	N/A	N/A
Building Code Effectiveness Grading Schedule (BCEGS)	No	N/A	N/A
Public Protection (ISO Fire Protection Classes 1 to 10)	No	N/A	N/A
New York State Department of Environmental Conservation Climate Smart Community	Yes	-	-
Storm Ready Certification	No	N/A	N/A
Firewise Communities classification	No	N/A	N/A
Natural disaster/safety programs in/for schools	Yes	-	-
Organizations with mitigation focus (advocacy group, non-government)	Yes	-	-
Public private partnership initiatives addressing disaster-related issues	No	N/A	N/A

Table 8.Community Classifications

4.6. Self-Assessment of Capability

The community classification relates to the community's ability to provide effective services to lessen its vulnerability to the hazards identified. These classifications can be viewed as an indicator of the community's capabilities in all phases of emergency management (i.e., preparedness, response, recovery and mitigation) and are used as an underwriting parameter for determining the costs of various forms of insurance. **Table 9** summarizes classifications for community programs available to the Village of Minoa.

	Degree of Hazard Mitigation Capability			
Capability Area	<i>Limited</i> (If limited, what are your obstacles?)	Moderate	High	
Planning and Regulatory Capabilities	X (Limited staff)			
Administrative and Technical Capabilities	X (Limited staff)			
Fiscal Capabilities	X (Limited funding)			
Education and Outreach Capabilities	X (Limited staff and funding)			
Community Political Capabilities		X		



	Degree of Hazard Mitigation Capability		
Capability Area	<i>Limited</i> (If limited, what are your obstacles?)	Moderate	High
Community Resiliency Capabilities		X	
Capability to integrate mitigation into municipal processes and activities	X (Limited funding)		

4.7. Needs to Expand/Improve Capabilities

Based on the capability self-assessment in Section 4.6, the Village of Minoa identified existing authorities, policies, programs, funding, and/or resources that need to be expanded and/or improved in order to support the implementation of the hazard mitigation initiatives identified in this Plan (e.g., mitigation actions).

- Village codes and ordinances (e.g., building, zoning, protecting steep slopes, wetlands) should be reviewed based on developing trends in identified hazards and mitigation measures that can make them more effective at preventing losses.
- GIS capabilities should be expanded for spatial data creation, dataset management, and spatial data analysis which would help advance hazard mitigation initiatives.

5. NATIONAL FLOOD INSURANCE PROGRAM

The Village of Minoa is a member of the National Flood Insurance Program (NFIP) but has chosen not to participate in the NFIP Community Rating System (CRS) Program. The Village is in good standing with the NFIP through adoption and enforcement of floodplain management requirements (e.g., regulating all new and substantially improved construction in Special Hazard Flood Areas), floodplain identification and mapping, and flood insurance outreach to the community. The Village's NFIP participation information is listed in **Table 10**.

CID	NFIP Participation Date	Current Effective FIRM Date	CRS Entry Date	CRS Current Effective Date	CRS Rating
361017	6/28/1974	11/4/2016	N/A	N/A	N/A

Table 10.NFIP Participation Information

5.1. NFIP Floodplain Administrator

All NFIP participating jurisdictions have a designated Floodplain Administrator that is charged with enforcing floodplain regulations, routinely monitoring the floodplains, and providing community assistance such as encouraging owners to maintain flood insurance. The Village of Minoa Floodplain Administrator information is listed in **Table 11**.

Table 11.	Floodplain Administrator
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Name	Title	Department	Phone Number
Michael Jones	Code Enforcement Officer	Office of Code Enforcement	(315) 656-3100

5.2. Repetitive Loss and Severe Repetitive Loss Property

FEMA defines a Repetitive Loss property as an NFIP-insured property meeting at least one (1) of the following paid loss criteria since 1978, regardless of any changes in ownership:



- Four (4) or more separate claims payments greater than \$5,000 each (including building and contents payment).
- Two (2) or more separate flood insurance claims payments (building payments only), where the total of the payments is greater than the property's current value.

Additionally, to receive a designation, at least two (2) of the claim payments must occur within 10 years of one another.⁶

A Severe Repetitive Loss property is defined by FEMA as any NFIP-insured single-family or multi-family residential building meeting at least one (1) of the following paid loss criteria since 1978 or from building constructed after 1978, regardless of any changes in ownership:⁷

- That has incurred flood-related damage for which four (4) or more separate claims payments have been made, with the amount of each claim (including building and contents payments) exceeding \$5,000, and with the cumulative amount of such claims payments exceeding \$20,000.
- For which at least two (2) separate claims payments (building payments only) have been made under such coverage, with the cumulative amount of such claims exceeding the market value of the building.

 Table 12 summarizes FEMA Repetitive Loss and Severe Repetitive Loss properties within the Village of Minoa.

Repetitive Loss Properties		Severe Repetitive Loss Properties	
Total	Occupancy	Total	Occupancy
0		0	
More Than Fo building • Non exception of a condo building non-condo bui home • Resider Unit = Single r	pe: Single Family = Single family residence • Two (2)-Four (4) ur (4) Units Residential Building = Residential building with r -Residential Business = Non-residential business • Single Fam mobile home or a single residential unit within a multi-unit bu with two (2), three (3), or four (4) units seeking insurance on lding with 5 or more units seeking insurance on all units • Res ntial Condo Association = Residential condo association seeking residential unit within a multi-unit building • Non-Residential al Building = Non-residential building • Non-Residential Unit	nore than four (4 nily Residential E uilding • Resident all units • Residu idential Mobile/I ing coverage on a Mobile/manufact	(1) units • Non-Residential Building = Non-residential Building = Single-family residential building with the tial (2, 3, or 4 units) Non-Condo Building = Residential non- ential (5 or more units) Non-Condo Building = Residential Manufactured Home = Residential mobile/manufactured a building with one (1) or more units • Single Residential tured Home = Non-residential mobile/manufactured home •

Table 12.Repetitive Loss and Severe Repetitive Loss Properties

Table 13 summarizes the NFIP active policies and coverage in force data for the Village of Minoa.

Table 13. NFIP Policies

NFIP Policies	Insurance in Force	Total Claims Paid	Sum of Claims Paid
31	\$29,225	8	\$16,061

⁶ Federal Emergency Management Agency, National Flood Insurance Program. (2023). A Policyholder's Guide to Severe Repetitive Loss. Retrieved from <u>https://agents.floodsmart.gov/sites/default/files/fema_nfip-policyholders-guide-severe-repetitive-loss_brochure_07-2023.pdf</u>.

⁷ Federal Emergency Management Agency, National Flood Insurance Program. (2021). National Flood Insurance Program: Flood Insurance Manual. Retrieved from <u>https://www.fema.gov/sites/default/files/documents/fema_nfip-all-flood-insurance-manual-apr-2021.pdf</u>.



5.3. Participation Activities

The Village of Minoa NFIP participation over the last five (5) years includes the following:

- Provides the following services permit review, GIS, inspections, and engineering capability.
- Enforces local floodplain regulations and monitors compliance.
- Floodplain management regulations meet or exceed FEMA or State minimum requirements.

5.3.1. Regulatory

Flood Damage Prevention Ordinance

The Village of Minoa's Flood Damage Prevention Chapter (*Chapter 75 of the Village Code*) was adopted to promote the public health, safety, and general welfare, and to minimize public and private losses due to flood conditions in specific areas by provisions designed to:

- Regulate uses which are dangerous to health, safety and property due to water or erosion hazards, or which result in damaging increases in erosion or in flood heights or velocities.
- Require that uses vulnerable to floods, including facilities which serve such uses, be protected against flood damage at the time of initial construction.
- Control the alteration of natural floodplains, stream channels, and natural protective barriers which are involved in the accommodation of floodwaters.
- Control filling, grading, dredging and other development which may increase erosion or flood damages.
- Regulate the construction of flood barriers which will unnaturally divert floodwaters or which may increase flood hazards to other lands.
- Qualify for and maintain participation in the NFIP.

The objectives of this Chapter are to:

- Protect human life and health.
- Minimize expenditure of public money for costly flood control projects.
- Minimize the need for rescue and relief efforts associated with flooding and generally undertaken at the expense of the general public.
- Minimize prolonged business interruptions.
- Minimize damage to public facilities and utilities, such as water and gas mains, electric, telephone, and sewer lines, streets and bridges located in areas of special flood hazard.
- Help maintain a stable tax base by providing for the sound use and development of areas of special flood hazard so as to minimize future flood blight areas.
- Provide that developers are notified that property is in an area of special flood hazard.
- Ensure that those who occupy the areas of special flood hazard assume responsibility for their actions.



Substantial Damage

Substantial damage means damage of any origin sustained by a structure whereby the cost of restoring the structure to its before damaged condition would equal or exceed 50% of the market value of the structure before the damage occurred. *Substantial damage* also means flood related damages sustained by a structure on two (2) separate occasions during a 10 year period for which the cost of repairs at the time of such event, on the average, equals or exceeds 25% of the market value of the structure before the damage *Code*

Substantial Improvement

Substantial improvement means any reconstruction, rehabilitation, addition, or other improvement of a structure, the cost of which equals or exceeds 50% of the market value of the structure before the "start of construction" of the improvement. *Substantial improvement* also means "cumulative substantial improvement". The term includes structures which have incurred "substantial damage," regardless of the actual repair work performed. The term does not, however, include either:

- A. Any project for improvement of a structure to correct existing violations of state or local health, sanitary, or safety code specifications which have been identified by the local code enforcement official and which are the minimum necessary to assure safe living conditions; or
- B. Any alteration of an "historic structure," provided that the alteration will not preclude the structure's continued designation as an "historic structure." (*Chapter 75 of the Village Code*)

Cumulative Substantial Improvement

Cumulative substantial improvement means any reconstruction, rehabilitation, addition, or other improvement of a structure that equals or exceeds 50% of the market value of the structure at the time of the improvement or repair when counted cumulatively for 10 years. (*Chapter 75 of the Village Code*)

There are other local ordinances, plans or programs (e.g., site plan review) that support floodplain management and meeting the NFIP requirements.

6. HAZARD MITIGATION PLAN INTEGRATION

In order for a community to successfully reduce long term risk, hazard mitigation must be integrated into day-today planning mechanisms and initiatives. Plan integration is the process by which communities critically assess the existing planning framework and align efforts with the goal of reducing long term risks and building a more resilient community. It involves a two (2) way exchange of information and incorporation of ideas and concepts between hazard mitigation plans and other community plans. In particular, plan integration involves the incorporation of hazard mitigation principles and actions into other plans, and planning mechanisms into hazard mitigation plans. Plan integration involves community plans, policies, codes, and programs that guide development, roles, and responsibilities in implementing these capabilities. Additionally, plan integration is achieved through the involvement of key staff and community officials in collaborative hazard mitigation planning.

6.1. Existing Plan Integration

A hazard mitigation plan must explain how the jurisdiction incorporated the previous Plan update over the last five (5) years to demonstrate progress in local mitigation efforts. In the performance period since the adoption of the previous Hazard Mitigation Plan, the Village of Minoa made progress on integrating components of the hazard mitigation strategy (e.g., goals, objectives, and actions) into planning initiatives and mechanisms. **Table 14** highlights the planning mechanisms/initiatives where the previous Plan was integrated and what information was integrated.



Planning Initiative	Current Integration Description
Stormwater Management Plan	The Village of Minoa is a Municipal Separate Storm Sewer System (MS4) regulation community with a formal Stormwater Management Plan. The Stormwater Management Plan, updated in 2024, includes projects, actions, and initiatives to reduce the volume of stormwater or otherwise mitigate stormwater flooding. Hazard mitigation measures have been implemented in activities that impact stormwater.
Ordinances	The Village has multiple local ordinances pertaining to the mitigation of hazards. These ordinances include the establishment of the Planning Board and the Zoning Board of Appeals, Building Construction and Fire Prevention Ordinance (Chapter 51 of the Village Code), Flood Damage Prevention Ordinance (Chapter 75 of the Village Code), Stormwater Management Ordinance (Chapter 135 of the Village Code), Zoning Ordinance (Chapter 160 of the Village Code), and the Subdivision Regulations (Chapter 140 of the Village Code).
Retrofitting/Removal of Structures from Hazard Prone Areas	The Village supports the retrofitting, purchase, or relocation of structures located in hazard prone areas to protect structures from future damage, with repetitive loss and severe repetitive loss properties as priority. The Village works to identify facilities that are viable candidates for each strategy based on cost-effectiveness. The implementation of these hazard mitigation actions is based on available funding. <i>Refer to mitigation action VMI-2.</i>
Public Outreach	The Village's website provides information related to safety and hazard mitigation including local emergency response contact information, current project information, general information for village residents, and links to related ordinances and plans.

Table 14.Current Plan Integration

6.2. Potential Future Integration

A hazard mitigation plan must explain how the jurisdiction intends to incorporate this Plan update into planning mechanisms over the next five (5) years. The capability assessment presented in Section 4 of this Annex identifies codes, plans, and programs that provide opportunities for integration. **Table 15** outlines planning mechanisms/initiatives that do not currently integrate goals and recommendations of this Plan but provide opportunities to do so in the future.

Planning Initiative	Potential Integration Description
Comprehensive Plan	The Hazard Mitigation Plan should be incorporated in the next update of the Village's Comprehensive Plan by incorporating findings, risk assessment, and mitigation actions from the Hazard Mitigation Plan into relevant sections of the Comprehensive Plan. Furthermore, integrating both plans could align land use decisions, and develop policies and infrastructure projects with the goal of reducing natural hazard risks while considering vulnerable populations.
Ordinances Hazard mitigation could be integrated into future updates of the zoning, building subdivision ordinances to inform appropriate use of property within the Village. Por of this Hazard Mitigation Plan should be reviewed to consider any future improver to the codes, if appropriate.	
Capital Improvement Plan Capital Improvement Plan Capital Improvement Plan Capital Improvement Plan Capital Improvement Plan. The Hazard Mitigation Plan may ider possible funding sources for capital improvement projects and may in modifications to proposed projects based on results of the risk assessment.	
Local Budget	The Village could include a line item for mitigation projects/activities into the municipal budget and/or capital improvement budget.

Table 15.	Potential Future Integration
Tuble 15:	i otentiar i atare mitegration



Planning Initiative	Potential Integration Description
Public Outreach	The Village could develop outreach and education programs, and include information on natural hazards and hazard mitigation in the Village's website and social media (i.e., Facebook, X).

The Village's Local Planning Team will identify all relevant planning initiatives that are scheduled to be updated in the next year and during the annual update process of the Hazard Mitigation Plan. Additionally, opportunities to integrate key elements of the Hazard Mitigation Plan, specifically any relevant strategies, into the planning initiatives will be identified by the Local Planning Team. Mitigation actions were identified to promote plan integration in future revisions of this Plan.

7. SIGNIFICANT HAZARD PAST EVENTS

A complete risk assessment, including past incidents, for each identified hazard of concern can be found in **Volume** 1 of this Plan. A summary of past events is provided under each hazard profiles and includes a chronology of events that have affected the County and its municipalities.

8. HAZARD VULNERABILITY AND IMPACT ASSESSMENT

Exposure and vulnerability to certain hazards affect the entire County and others are geographically defined. Although the entire County may be vulnerable to these hazards, their impacts may vary based on existing community conditions (e.g., underserved, or functional access needs populations may be more susceptible based on certain conditions, vulnerabilities, or needs).

Table 16 outlines the *unique vulnerabilities and impacts* for the Village of Minoa and only addresses the hazards that are relevant and unique to the jurisdiction. A complete risk assessment for each identified hazard of concern is in **Volume 1** of this Plan. Hazard mapping can be found in **Appendix A** of this Annex.

Hazard	Vulnerabilities and Impacts
Drought	The Local Planning Team determined that the Village does not have unique vulnerabilities and impacts to drought; rather, the jurisdiction's vulnerability and impacts are consistent with those experienced throughout the County.
Earthquake	The Local Planning Team determined that the Village does not have unique vulnerabilities and impacts to earthquake events; rather, the jurisdiction's vulnerability and impacts are consistent with those experienced throughout the County.
Heat Wave/Extreme Heat	The Local Planning Team determined that the Village does not have unique vulnerabilities and impacts to heat wave/extreme heat events; rather, the jurisdiction's vulnerability and impacts are consistent with those experienced throughout the County.
Flood (riverine, flash/urban, ice jam, dam and levee failure)	The Local Planning Team determined that the Village does not have unique vulnerabilities and impacts to flood events; rather, the jurisdiction's vulnerability and impacts are consistent with those experienced throughout the County.
Geological Hazards (landslides, land subsidence, mudboils)	The Local Planning Team determined that the Village does not have unique vulnerabilities and impacts to geological hazards; rather, the jurisdiction's vulnerability and impacts are consistent with those experienced throughout the County.

Table 16.Hazard Vulnerability and Impact Assessment



Hazard	Vulnerabilities and Impacts
Harmful Algal Bloom	The Local Planning Team determined that the Village does not have unique vulnerabilities and impacts to harmful algal blooms; rather, the jurisdiction's vulnerability and impacts are consistent with those experienced throughout the County.
Invasive Species and Infestation (Emerald Ash Borer, Hemlock Woolly Adelgid, True Armyworm, Common Reed (Phragmites), Eurasian Watermilfoil, Water Chestnut, Tick-Borne Diseases, Mosquito-Borne Diseases)	The Local Planning Team determined that the Village does not have unique vulnerabilities and impacts to invasive species and infestation; rather, the jurisdiction's vulnerability and impacts are consistent with those experienced throughout the County.
Severe Weather (severe thunderstorms – hail, strong winds/damaging winds, tornadoes, hurricane/tropical storm)	The Local Planning Team determined that the Village does not have unique vulnerabilities and impacts to severe weather; rather, the jurisdiction's vulnerability and impacts are consistent with those experienced throughout the County.
Winter Weather (blizzards, heavy snow, ice storms, cold wave/extreme cold, nor 'easter)	The Local Planning Team determined that the Village does not have unique vulnerabilities and impacts to winter weather; rather, the jurisdiction's vulnerability and impacts are consistent with those experienced throughout the County.
Wildfire (wildfire smoke)	The Local Planning Team determined that the Village does not have unique vulnerabilities and impacts to wildfire; rather, the jurisdiction's vulnerability and impacts are consistent with those experienced throughout the County.

The Village evaluated whether vulnerability in hazard prone areas had increased, decreased, or remained the same for each natural hazard identified in this Hazard Mitigation Plan. Climate change, changes in population, infrastructure expansion, and economic shifts that can affect vulnerability were considered. For example, if planned development is in an identified hazard areas or is not built to the updated building codes, it may increase the community's vulnerability to future hazards and disasters. On the other hand, if development occurred with mitigation practices in place, the vulnerability may have remained the same or decreased. Additionally, shifting demographics (e.g., underserved population) were taken into consideration.

Table 17 outlines if climate change has increased or decreased the Village's vulnerability (i.e., exposure) and impact to each natural hazard over the past five (5) years, and the effect of climate change in the future probability of occurrence and impacts from each natural hazard.

Hazard	Vulnerability and Impact
Current Vulnera	bility and Impact
Drought	Increased
Earthquake	Remained the Same
Heat Wave/Extreme Heat	Increased
Flood (riverine, flash/urban, ice jam, dam and levee failure)	Increased
Geological Hazards (landslides, land subsidence, mudboils)	Remained the Same
Harmful Algal Bloom	Remained the Same
Invasive Species and Infestation (Emerald Ash Borer, Hemlock Woolly Adelgid, True Armyworm, Common Reed (Phragmites), Eurasian Watermilfoil, Water Chestnut, Tick-Borne Diseases, Mosquito-Borne Diseases)	Remained the Same
Severe Weather (severe thunderstorms – hail, strong winds/damaging winds, tornadoes, hurricane/tropical storm)	Increased
Winter Weather (blizzards, heavy snow, ice storms, cold wave/extreme cold, nor'easter)	Increased

Table 17. Climate Change Current and Future Vulnerability and Impact



Hazard	Vulnerability and Impact
Wildfire (wildfire smoke)	Remained the Same
Future Vulneral	bility and Impact
Drought	Increase
Earthquake	No Change Anticipated
Heat Wave/Extreme Heat	Increase
Flood (riverine, flash/urban, ice jam, dam and levee failure)	Increase
Geological Hazards (landslides, land subsidence, mudboils)	No Change Anticipated
Harmful Algal Bloom	No Change Anticipated
Invasive Species and Infestation (Emerald Ash Borer, Hemlock Woolly Adelgid, True Armyworm, Common Reed (Phragmites), Eurasian Watermilfoil, Water Chestnut, Tick-Borne Diseases, Mosquito-Borne Diseases)	No Change Anticipated
Severe Weather (severe thunderstorms – hail, strong winds/damaging winds, tornadoes, hurricane/tropical storm)	Increase
Winter Weather (blizzards, heavy snow, ice storms, cold wave/extreme cold, nor'easter)	Increase
Wildfire (wildfire smoke)	No Change Anticipated

Table 18 outlines if changes in population within the Village over the past five (5) years have increased or decreased the vulnerability (i.e., exposure) and impact to these natural hazards, and the anticipated effects changes in population may have on the future probability of occurrence and impacts from these natural hazards.

Table 18.Changes in Population Current and Future Vulnerability and Impact

Hazard	Vulnerability and Impact						
Current Vulnerability and Impact							
Drought	Remained the Same						
Earthquake	Remained the Same						
Heat Wave/Extreme Heat	Remained the Same						
Flood (riverine, flash/urban, ice jam, dam and levee failure)	Remained the Same						
Geological Hazards (landslides, land subsidence, mudboils)	Remained the Same						
Harmful Algal Bloom	Remained the Same						
Invasive Species and Infestation (Emerald Ash Borer, Hemlock Woolly Adelgid, True Armyworm, Common Reed (Phragmites), Eurasian Watermilfoil, Water Chestnut, Tick-Borne Diseases, Mosquito-Borne Diseases)	Remained the Same						
Severe Weather (severe thunderstorms – hail, strong winds/damaging winds, tornadoes, hurricane/tropical storm)	Remained the Same						
Winter Weather (blizzards, heavy snow, ice storms, cold wave/extreme cold, nor'easter)	Remained the Same						
Wildfire (wildfire smoke)	Remained the Same						
Future Vulnerability	v and Impact						
Drought	No Change Anticipated						
Earthquake	No Change Anticipated						
Heat Wave/Extreme Heat	No Change Anticipated						
Flood (riverine, flash/urban, ice jam, dam and levee failure)	No Change Anticipated						
Geological Hazards (landslides, land subsidence, mudboils)	No Change Anticipated						



Hazard	Vulnerability and Impact
Harmful Algal Bloom	No Change Anticipated
Invasive Species and Infestation (Emerald Ash Borer, Hemlock Woolly Adelgid, True Armyworm, Common Reed (Phragmites), Eurasian Watermilfoil, Water Chestnut, Tick-Borne Diseases, Mosquito-Borne Diseases)	No Change Anticipated
Severe Weather (severe thunderstorms – hail, strong winds/damaging winds, tornadoes, hurricane/tropical storm)	No Change Anticipated
Winter Weather (blizzards, heavy snow, ice storms, cold wave/extreme cold, nor'easter)	No Change Anticipated
Wildfire (wildfire smoke)	No Change Anticipated

Table 19 outlines if development over the past five (5) years has increased or decreased the Village's vulnerability (i.e., exposure) and impact to these natural hazards, and the anticipated effects changes in development may have on the future probability of occurrence and impacts from these natural hazards.

Table 19. Changes in Development Current and Future Vulnerability and Impact

Hazard	Vulnerability and Impact					
Current Vulnerability and Impact						
Drought	Remained the Same					
Earthquake	Remained the Same					
Heat Wave/Extreme Heat	Remained the Same					
Flood (riverine, flash/urban, ice jam, dam and levee failure)	Remained the Same					
Geological Hazards (landslides, land subsidence, mudboils)	Remained the same					
Harmful Algal Bloom	Remained the Same					
Invasive Species and Infestation (Emerald Ash Borer, Hemlock Woolly Adelgid, True Armyworm, Common Reed (Phragmites), Eurasian Watermilfoil, Water Chestnut, Tick-Borne Diseases, Mosquito-Borne Diseases)	Remained the Same					
Severe Weather (severe thunderstorms – hail, strong winds/damaging winds, tornadoes, hurricane/tropical storm)	Remained the Same					
Winter Weather (blizzards, heavy snow, ice storms, cold wave/extreme cold, nor'easter)	Remained the Same					
Wildfire (wildfire smoke)	Remained the Same					
Future Vulnerab	ility and Impact					
Drought	No Change Anticipated					
Earthquake	No Change Anticipated					
Heat Wave/Extreme Heat	No Change Anticipated					
Flood (riverine, flash/urban, ice jam, dam and levee failure)	No Change Anticipated					
Geological Hazards (landslides, land subsidence, mudboils)	No Change Anticipated					
Harmful Algal Bloom	No Change Anticipated					
Invasive Species and Infestation (Emerald Ash Borer, Hemlock Woolly Adelgid, True Armyworm, Common Reed (Phragmites), Eurasian Watermilfoil, Water Chestnut, Tick-Borne Diseases, Mosquito-Borne Diseases)	No Change Anticipated					
Severe Weather (severe thunderstorms – hail, strong winds/damaging winds, tornadoes, hurricane/tropical storm)	No Change Anticipated					
Winter Weather (blizzards, heavy snow, ice storms, cold wave/extreme cold, nor'easter)	No Change Anticipated					
Wildfire (wildfire smoke)	No Change Anticipated					



8.1. Future Major Assets

Community assets should include anything that is important to the character and function of a community. Assets include people (i.e., underserved population); structures (i.e., new and existing buildings); community lifelines and other critical facilities; natural, historic, and cultural resources; and the economy and other activities that have value to the community. The Village of Minoa does not anticipate future major assets may be exposed or vulnerable to any of the natural hazards identified in this Hazard Mitigation Plan. However, any new assets (e.g., new construction in hazard prone areas) will be constructed to adhere to the latest building codes and standards, and mitigation to protect them from identified and anticipated hazards, especially those that are expected to increase due to climate change.

9. CRITICAL FACILITIES FLOOD RISK

New York State Department of Environmental Conservation (NYSDEC) Title 6, Chapter V, Subchapter A, Part 502 sets forth local floodplain management criteria for State projects located within flood hazard areas. The law states that no such projects related to critical facilities shall be undertaken in a Special Flood Hazard Area (SFHA) unless built according to certain mitigation specifications, including being raised two (2) feet above the Base Flood Elevation (BFE).⁸ While all vulnerabilities should be assessed and documented, the State places a high priority on exposure to flooding.

Jurisdictions must identify all critical facilities, assess their vulnerabilities, and evaluate and ensure they are protected to a 0.2% chance (500-year) flood event. Critical facilities that are located in an SFHA and/or have been previously flooded, must be protected against a repeat of that flood or to the 0.2% chance flood event, which ever provides the greater protection. The Plan must document those critical facilities are protected to a 0.2% flood event, or previous worst case flood event. For those that do not meet this level of protection, the Plan must include a mitigation action to meet or go beyond this criterion or explain why it is not feasible to do so.⁹

Table 20 identifies critical facilities in the community located in the 100-year and 500-year floodplain.

		Exposure		Potential Loss from 100-Year Flood Event		Addressed by	
Name	Туре	100- Year	500- Year	% Structure Damage	% Content Damage	Proposed Action	
Village of Minoa Department of Public Works	Government Building	Х	Х	9.0%	15.9%	VMI-10	
CSX Entrance E	Rail Facility		Х	-	-	N/A	
CSX Meeting Area E	Rail Facility		Х	-	-	N/A	
CSX Rock Staging Area	Rail Facility		Х	-	-	N/A	
Village of Minoa Sewage Treatment Plant	Wastewater Treatment Plant	Х	Х	13.9%	82.4%	VMI-11	

Table 20.Potential Flood Losses to Critical Facilities

⁸ New York State Department of Environmental Conservation. (n.d.). Chapter V – Resource Management Services. Retrieved from <u>https://dec.ny.gov/regulatory/regulators/chapter-v</u>.

⁹ New York State Division of Homeland Security and Emergency Services. (2022). 2022 New York State Hazard Mitigation Planning Standards. Retrieved from <u>https://www.dhses.ny.gov/system/files/documents/2023/11/2022-nys-mitigation-planning-standards-final.pdf</u>



10. HAZARD RISK RANKING

Table 21 presents the local hazard ranking for the Village of Minoa of all hazards of concern listed in **Volume 1** of this Plan. This ranking summarizes how hazards vary for this jurisdiction. As thoroughly described in **Volume 1** of this Plan, the ranking process involves an assessment of the likelihood of occurrence for each hazard, along with its potential impacts on people, property, and the economy. For further details on how the probability, extent, vulnerability, and impact factors in **Table 21** were calculated, please refer to Section 4.3 in **Volume 1** of this Plan.

It is important to note that the sub hazards for severe weather (i.e., strong winds/damaging winds, severe thunderstorms, tropical storm/hurricane, hail, and tornado), geological hazards (i.e., landslide, land subsidence, and mudboils), flood (i.e., riverine/creek flooding and ice jam, and urban/flash flooding), and winter weather (i.e., blizzards, lake effect snow, nor'easter, and ice storm, and cold wave/extreme cold) were individually ranked in the hazard risk ranking; however, severe weather, geological hazards, flood, and winter weather are each considered as the main hazard throughout this Annex and **Volume 1**.

Hazard Event	Probability Factor	Sum of Weighted <u>Extent</u> Factors	Sum of Weighted <u>Vulnerability</u> Factors	Sum of Weighted <u>Impact</u> Factors	Consequence Score	Total Risk Score (Probability x Consequence)
Flood (Riverine/Creek, Ice Jam)	3	12	11	29	52	73
Flood (Urban/Flash Flood)	3	12	11	29	52	73
Winter Weather (Blizzards, Lake Effect Snow, Nor'easter, Ice Storm)	3	12	14	21	47	67
Severe Thunderstorm (Severe Weather)	3	12	16	14	42	61
Strong Winds/ Damaging Winds (Severe Weather)	3	12	11	16	39	57
Cold Wave/Extreme Cold (Winter Weather)	2	12	14	21	47	48
Heat Wave/Extreme Heat	2	9	11	19	39	41
Drought	2	12	12	13	37	39
Invasive Species and Infestation	2	9	8	18	35	37
Tropical Storm/Hurricane (Severe Weather)	1	9	16	24	49	27
Dam and Levee Failure (Flood)	1	12	11	24	47	26
Hail (Severe Weather)	1	6	16	14	36	21
Earthquake	1	6	16	12	34	20

Table 21. Village of Minoa Hazard Risk Ranking



Hazard Event	Probability Factor	Sum of Weighted <u>Extent</u> Factors	Sum of Weighted <u>Vulnerability</u> Factors	Sum of Weighted <u>Impact</u> Factors	Consequence Score	Total Risk Score (Probability x Consequence)
Tornado (Severe Weather)	1	6	6	22	34	20
Land Subsidence (Geological Hazards)	1	9	11	14	34	20
Landslide (Geological Hazards)	1	6	6	18	30	18
Harmful Algal Bloom	1	6	6	16	28	17
Mudboils (Geological Hazards)	1	3	6	13	22	14
Wildfire (Wildfire Smoke)	1	3	6	11	20	13

Consequence: Sum of <u>all</u> weighted factors. *Extent:* Sum of the weighted <u>Extent</u> factors.

Vulnerability: Sum of the weighted <u>Vulnerability</u> factors.

Impact: Sum of the weighted <u>Impact factors</u>. Total Risk Score* = Probability x Consequence * Normalized to 100

Total Risk Score Legend								
Classification	Probability Factor	Extent	Vulnerability	Impact	Consequence Score	Total Risk Score		
Low (L)	1	0-6	0-6	0-12	0 - 24	0-24		
Medium (M)	2	7 – 12	7 – 12	13 - 26	25 - 50	25 - 54		
High (H)	3	13 - 18	13 - 18	27 - 39	51 - 75	55 and above		

The **legend**—specifically the assignment of low, medium, and high—provides an additional means to qualitatively assess the probability factor, sum of weighted factors, and the total risk scores for each hazard. The **Consequence Score** represents the sum of the Extent, Vulnerability, and Impact Factors. The **Total Risk Score** is a measure of Probability and Consequence.



11. MITIGATION ACTIONS

This section includes the mitigation actions that were developed to address identified risks and vulnerabilities to hazards identified in this Plan. This Plan serves only to recommend mitigation measures based on the potential for risk reduction and available funding. Implementation of mitigation actions is dependent on risk reduction priorities, feasibility, and available funding. It is also dependent on the cooperation and support of the jurisdiction and/or department responsible for each action item. Additionally, all mitigation actions identified in the 2019 update or before were updated accordingly. Any new mitigation actions are listed as *New* (under Project Status).

The Village of Minoa agreed upon **11** mitigation actions that apply to the jurisdiction's properties where they have jurisdictional responsibility and authority. A summary of the Village's mitigation actions status is listed in **Table 22**.

Status		Mitigation Action Total	
Continuous		7	
In Progress/Not Yet Completed		3	
No Progress/Not Yet Started		0	
New		1	
	TOTAL	11	
Complete		0	
Discontinued		1	
Mitiga	tion Acti	ons per Hazard	
Drought	6	Harmful Algal Bloom	6
Earthquake	6	Invasive Species and Infestation (Emerald Ash Borer, Hemlock Woolly Adelgid, True Armyworm, Common Reed (Phragmites), Eurasian Watermilfoil, Water Chestnut, Tick-Borne Diseases, Mosquito-Borne Diseases)	6
Heat Wave/Extreme Heat	6	Severe Weather (severe thunderstorms – hail, strong winds/damaging winds, tornadoes, hurricane/tropical storm, nor 'easter)	12
Flood (riverine, flash/urban, ice jam, dam and levee failure)	12	Winter Weather (blizzards, heavy snow, ice storms, cold wave/extreme cold)	7
Geological Hazards (landslides, land subsidence, mudboils)	6	Wildfire (wildfire smoke)	6

Table 22.Village of Minoa Mitigation Action Summary

A detailed explanation of the Mitigation Strategy can be found in Section 5 of Volume 1.



Mitigation Action	following to Prov hom Prep avai imp Use miti Wor	 Prepare and distribute informational letters to flood vulnerable property owners and neighborhood associations, explaining the availability of mitigation grant funding to mitigate their properties, and instructing them on how they can learn more and implement mitigation. Use the Village's e-mail notification systems and newsletters to better educate the public on flood insurance, the availability of mitigation grant funding, and personal natural hazard risk reduction measures. 									
Action Number	VN	1 I-1	Goal(s) Addressed	1	1, 2, 3, 4, 5, 6	Prioritization Score	15/15				
Year Added to Plan	20	13	Timeline (estimated)		Ongoing	Implementation Priority	High				
Hazard(s)	Mitigated					d, Geological Hazards, Harm Veather, Winter Weather, Wi					
Projec	t Status		Continuous	If Dis	<i>scontinued</i> , provide reason.	N/	Ά.				
	nefits 1voided)				L	ow					
Lead Agency / Orga	inization		² Minoa Office of Code Enforcement		Orting Agency / Organization (If applicable)	Onondaga County De	partment of Planning				
Additional Partici Jurisdictions (If ap											
Estimated Co	ost	Low	Potential Fund Source	ing		General Fund (Staff Tir	ne)				
Critical Facil (Critical Facility located in 19		No	Additional Details (optional)								



Mitigation Action		Where appropriate, support retrofitting or relocation of structures in high hazard areas, prioritizing structures that have experienced repetitive losses.										
Action Number	VM	11-2	Goal(s) Addressed		2, 3, 6	Prioritization Score	13/15					
Year Added to Plan	2013		Timeline (estimated)		Ongoing	Implementation Priority	High					
Hazard(s)	Hazard(s) Mitigated Drought, Earthquake, Heat Wave/Extreme Heat, Flood, Geological Hazards, Harmful Algal Species and Infestation, Severe Weather, Winter Weather, Wildfire											
Projec	t Status	tatus Continuous If <i>Discontinued</i> , provide reason. N/A										
	nefits 1voided)				Н	igh						
Lead Agency / Orga	inization		Minoa Office of Code Enforcement		orting Agency / Organization (If applicable)	N/	'A					
Additional Partici Jurisdictions (If ap					N/A							
Estimated Co	ost	High	h Potential Funding Source General Fund (Staff Time)									
Critical Facil (Critical Facility located in 19		No	Additional Det (optional)	etrofitting based on cost- ng is determined to be a ction based on available								



Mitigation Action	Participate in the Community Rating System (CRS) to further manage flood risk and reduce flood insurance premiums for National Flood Insurance Program (NFIP) policyholders within the Village of Minoa.									
Action Number	VM	11-3	Goal(s) Addressed]	1, 2, 3, 4, 5, 6	Prioritization Score	15/15			
Year Added to Plan	2013		Timeline (estimated)		4 to 5 Years	Implementation Priority	High			
Hazard(s)	Mitigated		Flood, Severe Weather							
Project	t Status		In Progress/Not Yet Completed	If Dis	<i>scontinued</i> , provide reason.	N	/A			
-	efits lvoided)				Н	igh				
Lead Agency / Orga	nization	Enford	Minoa Office of Code cement (Floodplain administrator)	Ċ	orting Agency / Organization (If applicable)	N	/A			
Additional Partici Jurisdictions (If app					N/A					
Estimated Co	st	Low	W Potential Funding Source General Fund (Staff Time)							
Critical Facili (Critical Facility located in 1%		No	Additional Details (optional)							



Mitigation Action	Actively support and participate in the implementation, monitoring, maintenance, and updating of this Hazard Mitigation Plan, as outlined, and defined in Volume 1.										
Action Number	VM	11-4	Goal(s) Addressed		1, 2, 3, 4, 5, 6	Prioritization Score	15/15				
Year Added to Plan	2013		Timeline (estimated)		Ongoing	Implementation Priority	High				
Hazard(s)	Mitigated	d Drought, Earthquake, Heat Wave/Extreme Heat, Flood, Geological Hazards, Harmful Algal Bloom, Invas Species and Infestation, Severe Weather, Winter Weather, Wildfire									
Projec	t Status	Status Continuous If <i>Discontinued</i> , provide reason. N/A			Continuous						
200	efits 1voided)				Н	igh					
Lead Agency / Orga	nization	Village of	f Minoa Village Board		oorting Agency / Organization (If applicable)	N/	'A				
Additional Partici Jurisdictions (If ap	- 0			·	N/A						
Estimated Co	ost	Low	Potential Funding Source General Fund (Staff Time)								
Critical Facil it (Critical Facility located in 19		No	Additional Details (optional)								



Mitigation Action	enforcement • Enfo Floo • Part										
Action Number	VM	VMI-5 Goal(s) Addressed 1, 2, 3, 4, 5, 6 Prioritization Score 15/15									
Year Added to Plan	20	2013 Timeline Ongoing Implementation High									
Hazard(s)	Mitigated Flood, Severe Weather										
Projec	t Status		Continuous	If Dis	<i>continued</i> , provide reason.	N	'A				
	efits lvoided)			·	Me	dium					
Lead Agency / Orga	nization	Enforce	Minoa Office of Code ement (Floodplain dministrator)		orting Agency / Organization (If applicable)	N	'A				
Additional Partici Jurisdictions (If ap		N/A									
Estimated Co	st	Low	Potential Funding General Fund (Staff Time)								
Critical Facili (Critical Facility located in 19		No	Additional Det (optional)	ails							



Mitigation Action	Develop, enhance, and implement existing Village emergency plans.										
Action Number	VM	II-6	Goal(s) Addressed		1,6	Prioritization Score	15/15				
Year Added to Plan	2013		Timeline (estimated)		Ongoing	Implementation Priority	High				
Hazard(s)	(s) Mitigated Drought, Earthquake, Heat Wave/Extreme Heat, Flood, Geological Hazards, Harmful Algal Bloom, In Species and Infestation, Severe Weather, Winter Weather, Wildfire										
Projec	t Status		Continuous If <i>Discontinued</i> , provide reason. N/A								
	efits 1voided)			High							
Lead Agency / Orga	nization	Village o	f Minoa Village Board		oorting Agency / Organization (If applicable)	N/	A				
Additional Partici Jurisdictions (If ap	- 0				N/A						
Estimated Co	ost	Low	W Potential Funding Source General Fund (Staff Time)								
Critical Facil i (Critical Facility located in 19		No	Additional Details (optional)								



Mitigation Action	Develop, enh	Develop, enhance, and maintain mutual aid agreements with surrounding municipalities and counties.										
Action Number	VM	II-7	Goal(s) Addressed			1, 5, 6	Prioritization Score	15/15				
Year Added to Plan	2013			Timeline (estimated)		Ongoing	Implementation Priority	High				
Hazard(s)		Dro	U (1)			d, Geological Hazards, Harm Veather, Winter Weather, Wi	5					
Projec	Project StatusContinuousIf Discontinued, provide reason.						N/	N/A				
	efits 1voided)			High								
Lead Agency / Orga	nization	Village o	f Min	oa Village Board	Ċ	orting Agency / rganization (If applicable)	N/	A				
Additional Partici Jurisdictions (If ap	- 0					N/A						
Estimated Co	ost	Low		Potential Fund Source	ing	ng General Fund (Staff Time)						
Critical Facil it (Critical Facility located in 19		No	Additional Details (optional)									



Mitigation Action	Develop and	Develop and implement a stream clearing program to clear debris in Limestone Creek every three (3) to six (6) months.										
Action Number	VN	1I-8	Goal(s) Addressed		1, 3, 4, 5	Prioritization Score	10/15					
Year Added to Plan	2013		Timeline (estimated)		4 to 5 Years	Implementation Priority	High					
Hazard(s)) Mitigated			Flood, Severe Weather								
Projec	t Status		Discontinued	Discontinued If <i>Discontinued</i> , provide reason. Lack of funding, resources, and inter- regulating agencies.								
	nefits Avoided)			-	Н	igh						
Lead Agency / Orga	nization	Village of Mi	noa Department of Public Works Supporting Agency / Organization (If applicable) N/A			/A						
Additional Partici Jurisdictions (If ap					N/A							
Estimated Co	ost	High	Potential Fund Source	ing		General Fund (Staff Tir	ne)					
Critical Facil it (Critical Facility located in 19		No	Additional Det (optional)	ails	Long-term, the Village would like to partner with adjacent communiti- and develop a multi-jurisdictional program. Debris continues to accumulate in sections of Limestone Creek located the Village which leads to property flooding (i.e., basement flooding) Village and then leads to roadway flooding outside of the Village.							



Mitigation Action		Conduct a tabletop exercise with Village employees, departments, and other village stakeholders assist the Village in evaluating current procedures and protocols during natural hazard events.										
Action Number	VN	11-9	Goal(s) Addressed		1, 5, 6	Prioritization Score	15/15					
Year Added to Plan	2013		Timeline (estimated)		Ongoing	Implementation Priority	High					
Hazard(s)) Mitigated		Drought, Earthquake, Heat Wave/Extreme Heat, Flood, Geological Hazards, Harmful Algal Bloom, Invasi Species and Infestation, Severe Weather, Winter Weather, Wildfire									
Projec	t Status		Continuous If <i>Discontinued</i> , provide reason. N/A									
201	nefits 4voided)				Me	dium						
Lead Agency / Orga	anization	Village o	f Minoa Village Board		Dorting Agency / Drganization (If applicable)	Town of Manlin	us Town Board					
Additional Partici Jurisdictions (If ap				·	N/A							
Estimated Co	ost	Low	Potential F Sourc	0		General Fund (Staff Tin	ne)					
Critical Facil (Critical Facility located in 19		No	Additional Details (optional)									



Mitigation Action	Retrofit (e.g.	Retrofit (e.g., flood wall, flood proofing) the Village's Department of Public Works facility.									
Action Number	VM	I-10	Goal(s) Addressed		1, 3	Prioritization Score	12/15				
Year Added to Plan	2019		Timeline (estimated)		4 to 5 Years	ears Implementation Priority					
Hazard(s)	Mitigated			Flood, Severe Weather							
Projec	t Status		In Progress/Not Yet Completed	If Di.	<i>continued</i> , provide reason. N/A						
	efits 1voided)		High								
Lead Agency / Orga	nization	Village of M	noa Department of Public Works		Dorting Agency / Drganization (If applicable)	N/	'A				
Additional Partici Jurisdictions (If ap				-	N/A						
Estimated Co	ost	High	gh Potential Funding Source General Fund (Staff Time), HMGP, BRIC, FMA								
Critical Facil it (Critical Facility located in 19		Yes	Additional Details The facility is located in the 100-year floodplain.								



Mitigation Action		valuate the Village of Minoa Sewage Treatment Plant flood wall to determine the level of protection of the wall. Dependent on the valuation results, the Village intends to retrofit the wall to meet the 500-year standard.										
Action Number	VM	I-11	Goal(s) Addressed		1, 3	Prioritization Score	12/15					
Year Added to Plan	2019		Timeline (estimated)		4 to 5 Years	Implementation Priority	High					
Hazard(s)	Hazard(s) Mitigated				Flood, Sev	ere Weather						
Projec	t Status		In Progress/Not Yet Completed	If Di.	<i>scontinued</i> , provide reason.	N	/A					
200	efits 1voided)		Medium									
Lead Agency / Orga	nization	Enfor	[°] Minoa Office of Code cement (Floodplain ator), Village Engineer		Dorting Agency / Drganization (If applicable)	N	/Α					
Additional Partici Jurisdictions (If ap				·	N/A							
Estimated Co	ost	High	Potential Funding Source General Fund (Staff Time), HMGP, BRIC, FMA									
Critical Facil it (Critical Facility located in 19		Yes	Additional Det (optional)	Additional Details (optional)								



Mitigation Action	Incorporate a program to ensure inspection and management of hazardous trees that can potentially damage power lines and other utilities during extreme weather.									
Action Number	VM	I-12	Goal(s	Goal(s) Addressed		, 2, 3, 4, 5, 6	Prioritization Score	15/15		
Year Added to Plan	2025			F imeline (estimated)	4 to 5 Years		Implementation Priority	High		
Hazard(s)	Mitigated		Flood, Severe Weather, Winter Weather							
Projec	t Status		New If <i>Discontinued</i> , provide reason. N/A							
	efits 1voided)					Me	dium			
Lead Agency / Orga	nization	Village of M	inoa Depa Works	urtment of Public	0	orting Agency / Prganization (If applicable)	N	/A		
Additional Partici Jurisdictions (If ap						N/A				
Estimated Co	ost	Low	W Potential Funding Source General Fund (Staff Time)					ne)		
Critical Facili (Critical Facility located in 19		No	Additional Details (optional)							



APPENDIX A. HAZARD MAPS

The following hazard maps have been generated for the Village of Minoa – [enter hazards here]. These maps are based on the best available data at the time of the preparation of this Plan and are considered to be adequate for planning purposes. Maps have only been generated for those hazards that can be clearly identified using mapping techniques and technologies, and for which the Village of Minoa has significant vulnerability.

Figure <mark>#</mark>	[Enter map name and description, if applicable]
Figure <mark>#</mark>	[Enter map name and description, if applicable]
Figure <mark>#</mark>	[Enter map name and description, if applicable]
Figure <mark>#</mark>	[Enter map name and description, if applicable]
Figure <mark>#</mark>	[Enter map name and description, if applicable]
Figure <mark>#</mark>	[Enter map name and description, if applicable]
Figure <mark>#</mark>	[Enter map name and description, if applicable]
Figure <mark>#</mark>	[Enter map name and description, if applicable]



APPENDIX B. LETTER OF INTENT

Statement of Intent to Participate in the 2024 Onondaga County Multi-Jurisdictional Hazard Mitigation Plan

The purpose of this letter is to establish commitment from, and a cooperative working relationship between, all participating jurisdictions in the development and implementation of the 2024 Onondaga County Multi-Jurisdictional Hazard Mitigation Plan (HMP). In addition, the intent of this form is to ensure that the Plan update is developed in accordance with Title 44 of the Federal Code of Regulations Part 201.6; that the planning process is conducted in an open manner involving community stakeholders; that it is consistent with each participating jurisdiction's policies, programs, and authorities; and that it is an accurate reflection of the community's values.

To meet this requirement and to help reduce the loss of life and damage to property in the event of a natural disaster, our municipality intends to participate in a federally funded grant initiative to update the 2024 Onondaga County Multi-Jurisdictional Hazard Mitigation Plan.

We understand that the planning process will include a limited number of meetings and/or calls between Planning Team representatives and representatives from participating municipalities and agencies. The subject of the meeting(s) will be to:

- · Inform participants on the needs and methods for identifying and prioritizing hazards;
- · Share information on hazards affecting local jurisdictions;
- Provide information related to local assets, plans/ordinances, hazard events and damages, new development, etc. within the jurisdiction; and
- Determine possible projects to reduce the impact of future incidents involving hazards which are prerequisites to municipalities later applying for hazard mitigation grant funds.

We recognize the importance of having an updated multi-jurisdictional hazard mitigation plan to help safeguard the lives and property of our citizens and commit to participating in this process with Onondaga County.

Name of Jurisdiction: Village of Minoa	
Name of Authorized Representative:	Signature of Authorized Representative:
William F. Brazill, Mayor	* Mary Florada
Primary Point-of-Contact (POC):	Secondary Point-of-Contact (POC):
Name: Eric Cushing	Name: John Champagne
Title: WTP Manager	Title: Deputy Mayor
Department: WTP	Department: Village Board
Phone Number: (315)870-0848	Phone Number: (315) 952-4909
Email: ecushing@villageofminoa.com	Email: jchampagne@villageofminoa.com
	ngov.net, or mail to the Onondaga County Dept. NY 13202. Questions, call Jeff at (315)435-2673. 7/8/2024



APPENDIX C. PLAN ADOPTION

[Placeholder for adoption documentation after State and FEMA Approval]