

Town of Stockbridge



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Background

The Town of Stockbridge is a community of 2,103 residents located just south of the City of Oneida. Seventy one percent of the population in the town is between the ages of 18 and 65, with eleven percent over the age of 65 (224 residents). The town encompasses approximately 27 square miles. The Village of Munnsville is located within the town limits and will be addressed in its own section of this mitigation plan. The town has an equalized assessed value of approximately 67 million dollars distributed across a variety of property classes. There are 802 housing units in the town of which 332 are considered single family owner occupied homes. Commercial development is sporadic at this time. The conversion of agricultural lands to residential lands is occurring as a result of the reduction of active agricultural enterprises in the town.

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Land Use and Development Trends

The Town is experiencing scattered individual development and steady growth but no large subdivisions outside of Oneida Indian Nation property. In the northern part of the Town, the Oneida Indian Nation owns large pieces of land. The Seven Pines subdivision was built there in the early 1990's. The Indian Nation is seeking to have City of Oneida water lines extended down West Road. The Indian Nation is planning to build another three houses on Middle Road.

Ferris Industries, a manufacturer of large lawnmowers, has moved into the old school on Route 46.

A new Stockbridge Central School that includes the Stockbridge Library has been built west of the old school site. Planning is progressing on two wind power projects that are partly in the Town of Stockbridge. 22 new wind turbines will be built in Stockbridge as part of a 25 turbine project that also includes the Town of Smithfield. 5 new wind turbines will be built in Stockbridge as part of a project that includes the Town of Eaton.

Assets

The town offices are located on Route 46 in the Village of Munnsville.

The town highway barn is located at the same location as the town offices on Route 46. The highway barn has an outside hook-up for a generator and also owns a portable generator.

The Munnsville Fire Department is located on Route 46 in the Village of Munnsville.

The Stockbridge Valley School located in Munnsville is a Red Cross Shelter but does not have backup power generating capabilities.

Local Organization and Regulations

The Town Board meets on the first Monday of each month.

There is a planning board in place to review new development and proposed subdivisions.

The Zoning Board of Appeals meets as needed.

There are zoning ordinances in effect in the town.

The Planning Process

The Town Board held a public meeting on 11/4/13 at which the planning process was discussed. A discussion with regards to the requirements of the plan and what potential benefits the town might see from being included in the plan ensued. The board determined it would be beneficial and determined with whom to work in developing the plan. A meeting was held on 4/15/2015 with the Town Highway Superintendent Peter Kiehn to discuss flooding issues in the town.

Public Involvement

Two meetings were held at which members of the public were invited to provide input on the hazard mitigation planning process. These meetings were publicized in the Syracuse Post Standard, Oneida Daily Dispatch, Canastota Bee Journal, and Cazenovia Republican. No members of the public attended these meetings. One citizen did call Madison County Soil and Water Conservation District from the City of Oneida to express concerns about flooding there. As soon as the first draft of the entire plan for

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Madison County is finished, it will be posted on the Madison County website. All members of the public will be provided a means of providing input at that time.

Input from Neighboring Communities, Agencies, Businesses, Academia, Nonprofits and Other Parties

A copy of the Town of Stockbridge Hazard Mitigation plan has been sent to:

- Munnsville Fire Department
- Stockbridge Valley Central School

Existing Plans, Studies, Reports, and Technical Information

Land Use Law of the Town of Stockbridge was referenced for existing mitigation programs in the Town. Environmental Studies completed for two new wind power projects:

- Airtricity on Crow Hill Road
- West Hill Wind Development on Peterboro Road

Hazards

As part of the Madison County Comprehensive Emergency Management Plan, a Hazard Analysis was conducted using the HAZNY program with data supplied by the National Oceanic & Atmospheric Administration, and ESRI Hazards data. This HAZNY analysis identified Moderately High Danger in order from Severe Storms, Transportation Accidents, Winter Storms, Fires, and HAZMAT (in Transit). The HAZNY analysis identified Moderately Low Danger in order from Ice Storm, Terrorism, Flood, Utility Failure, Water Supply Contamination, Tornado, Oil Spill, HAZMAT (Fixed Site), Ice Jam, Infestation, Radiological (Fixed Site), Extreme Temperatures, Epidemic, Drought, and Explosion. The Madison County Hazard Mitigation Plan is required by FEMA to address natural disasters. Sections of this plan have been written on a County-wide basis for Severe Storms, Transportation Accidents, Winter Storms, Fire, Ice Storm/ Utility Failure, Flood/ Hurricane, and Tornado. The following table is used to determine whether or not the local community's hazard danger differs from the County as a whole for natural disasters and a few chosen man-made disasters. The local community can also decide whether or not a section on a particular hazard should be written specifically for that municipality.

Hazard	Madison Co. Class.	Madison Co. Ranking	Town Of Stockbridge Probability Greater (G), Lesser (L) About Equal (E)	Town of Stockbridge Issues Beyond County-wide Plan Yes (y), No (n)
Severe Storms	Mod. High	312.2	E	N
Transportation Accidents	Mod. High	285.2	L	N
Winter Storms	Mod. High	272.2	G	Y
Fires	Mod. High	265.2	L	N
Ice Storms	Mod. Low	236.2	E	N
Flood	Mod. Low	222.8	E	Y

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Utility Failure	Mod. Low	218.5	E	Y
Tornado	Mod. Low	202.5	E	N
Ice Jam	Mod. Low	180.5	G	Y
Infestation	Mod. Low	173.8	G	N
Extreme Temperatures	Mod. Low	169.8	E	N
Epidemic	Mod. Low	164.2	L	N
Drought	Mod. Low	164.2	E	N
Wildfire	Low	160.5	L	N
Wave Action	Low	159.5	L	N
Dam Failure	Low	159.2	L	N
Hurricane	Low	158.8	E	N
Earthquake	Low	150.5	E	N
Blight	Low	96.2	E	N
Landslide	Not Rated		E	N

Types of Mitigation Measures

This section is used to indicate the types of mitigation actions that already are in use in the Town of Stockbridge.

Prevention - Government administrative or regulatory actions or processes that influence the way land and buildings are developed and built. These actions also include public activities to reduce hazard losses.

	Building Code	Density Controls	Design Review Standards	Easements	Environmental Review Standards	Flood plain Development Regulations	Floodplain zoning
Stockbridge Program	State BOCA Codes	Minimum lot size	State Health Codes Fire Codes	Water Supply	SEQR for major subdivisions	Federal flood insurance rules apply	No

Transfer of Development Rights	Hillside Development Regulations	Open Space Preservation	Performance Standards	Streambank Setback Regulations	Special Use Permits	Stormwater Management Regulations	Subdivision & Development Regulations
State & Federal Programs Available for Ag	No	No	Yes	State Health Dept. Rules for septic	Planning Board	State Regs Apply	Yes

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Property Protection - Actions that involve the modification of existing buildings or structures to protect them from a hazard, or removal from the hazard area.

	Acquisition of Hazard Prone Structures	Construction of Barriers Around Structures	Elevation of Structures	Relocation Out of Hazard Areas	Structural Retrofits (e.g. flood-proofing)
Stockbridge Program	No	No	No	No	No

Public Education and Awareness - Actions to inform and educate citizens, elected officials, and property owners about the hazards and potential ways to mitigate them.

	Hazard Information Centers	Outreach Programs	Real Estate Disclosure	School-age and Adult Education Programs
Stockbridge Program	No	Education of Elected to NIMS Standards	State Rules Apply	Fire Safety Education

Natural Resource Protection - Actions that, in addition to minimizing hazard losses, also preserve or restore the functions of natural systems.

	Best Management Practices	Forest & Vegetation Management	Sediment & Erosion Control Regulations	Stream Corridor Management	Stream Dumping Regulations	Urban Forestry & Landscape Management	Wetlands Development Regulations & Restoration	Watershed Management
Stockbridge Program	Assistance available through County SWCD	NYS DEC 480A program available	State Regs for greater than 1 acre development	No	State Rules Apply	No	State & Federal Rules Apply	Town Aquifer Protection Zone, Oneida Lake Program

Emergency Services - Actions that protect people and property during and immediately after a disaster or hazard event.

	Critical Facilities Protection	Emergency Response Services	Hazard Threat Recognition	Hazard Warning Systems	Health & Safety Maintenance	Post Disaster Mitigation
Stockbridge	No	Fire	MSDS	911 Center	County	Red Cross

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Program		Police Ambulance	Sheets on File with Fire Department	Alert System	Health Dept., rules for Minimum Living Standards and Drinking Water	
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Structural Projects - Actions that involve the construction of structures to reduce the impact of a hazard.

	Channel Maintenance	Dams/ Reservoirs	Levees & Floodwalls	Safe Room/ Shelter
Stockbridge Program	No	No	No	Red Cross Shelter at Stockbridge Valley Central School

Incorporation of Hazard Mitigation Plan requirements into local planning mechanisms

The foregoing list of existing mitigation measures and the proposed mitigation actions that follow will be considered during the next rewrite of the Land Use Law of the Town of Stockbridge.

Mitigation Actions by Hazard

A. Flooding

Mitigation Goals

Minimize loss of property, risk of injury, damage to the environment, and loss of infrastructure from 500-year flooding events.

Historical Events

January '96 Flood – This was a region wide event in which a warm rain fall melted an accumulated snowpack. It was believed to be comparable to the 50 year frequency storm of 4.9 inches in a 24 hour period.

May 2000 Flood Event – This spring runoff event was declared disaster FEMA 1335 DR NY.

April 2-4, 2005 Severe Storms and Flood Event. - This was declared disaster FEMA 1589 DR NY

August 2005 – A sudden summer downpour deposited large amounts of gravel on Bishop Road

Locations Subject to Hazard

Haslauer Road – Flooding occurs here to a trailer home located on the west side of Oneida Creek.

Sullivan Road – Corner of Tiller – Repeated Flooding

Stockbridge Falls Road – Lady with Art Studio, a.k.a “Wilson Residence”

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State Route 46 – From Morris Road south to Town of Eaton Line (This Section of Highway is known as the “Bear Path”), Sections of this Highway suffers shoulder washouts during storm events.

East Hill Road – Driveways have suffered washouts during some summer storms.

Future Development in Hazard Area

Valley Mills Road - A subdivision has been proposed along Valley Mills Road. Part of this subdivision would be in the 100 year flood plain. The proposal is under current consideration by the Town Planning Board.

Potential Losses

Haslauer Road – Two houses on the south side of Haslauer Road and west of Oneida Creek have suffered basement flooding during summer thunderstorms. Damage is estimated at \$200 per house for a total of \$4,000.

East Hill Road – summer downpours have led to driveway washouts along East Hill Road.

Mitigation Strategies

Project #	Project Name	Description	Lead Agency	Estimated Cost
T/Stockbridge#1	Bishop Road Culvert Repairs	The flooding resulted in damages to Bishop Road. The project will replace the existing undersized 30" round culvert with a 42" round culvert.	Town of Stockbridge Highway	\$3,662
T/Stockbridge#2	Quarry Road Culvert Repairs	Flooding from an unnamed tributary to Blue and Oneida Creeks resulted in damage to the culvert at Quarry Road. The project will replace the existing undersized 24" by 36" rectangular culvert with a 48" round culvert.	Town of Stockbridge Highway	\$4,051
T/Stockbridge#3	Haslauer and Cook Road Culvert Repairs	The flooding resulted in damages to three culverts on Haslauer and Cook Roads. The project will replace the existing undersized culverts with larger culverts to handle the calculated flows	Town of Stockbridge Highway	\$300,000

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Prioritization

The STAPLEE process is the means by which proposed mitigation actions are prioritized for a community. The STAPLEE process utilizes the following criteria:

- **Social:** Will this action be acceptable to the community and individuals affected?
- **Technical:** Is the action a long term technically feasible solution with little or no secondary impacts?
- **Administrative:** Are the staff and funding available to implement and maintain the action?
NOTE: Inadequate resource did not eliminate consideration of an action.
- **Political:** Is the action supported by political leaders and the public?
- **Legal:** Does the municipality have the legal authority to implement the proposed action?
- **Economic:** Is this action a cost effective method for providing hazard mitigation and community benefits?
- **Environmental:** Is this action consistent with community environmental goals?

The following table uses the STAPLEE System to rate proposed mitigation actions.

+ 1 is Favorable, -1 is Unfavorable, N is Neutral or Not Applicable

A Score of 6 -7 is a high priority, 3-5 is a medium priority, 2 or less is a low priority

Proposed Mitigation Action								
	Soc	Tech	Admin	Polit	Legal	Econ	Enviro	Score
Bishop Road Culvert Repairs	+1	+1	-1	+1	+1	+1	+1	5
Quarry Road Culvert Repairs	+1	+1	-1	+1	+1	+1	+1	5
Haslauer and Cook Road Culvert Repairs	+1	+1	-1	+1	+1	+1	+1	5

Plan Monitoring and Update

The Madison County Office of Emergency Preparedness will be responsible for monitoring the status of the County Hazard Mitigation Plan and all of the subsections of the plan specific to local municipalities. During the first quarter of every calendar year, the Emergency Preparedness Director will (most likely by e-mail) contact the Town of Stockbridge's Highway Superintendent and submit a copy of the evaluation form. The Town's Highway Superintendent will complete and return this form within 10 business days.

During the second quarter of the year, the County Emergency Preparedness Director, will prepare an annual summary report for progress in implementing the County Hazard Mitigation Plan. Included in this plan will be the following:

- A summary and analysis of all disasters that have struck Madison County during the previous calendar year,
- a gap analysis for the hazard mitigation plan for any disasters that occurred during the previous calendar year,
- a listing of funding opportunities made available from FEMA and SEMO during the 12 months prior to the annual summary report,

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- a summary of the progress that has been made towards accomplishing mitigation measures during the previous calendar year,
- problems encountered in implementing the plan,
- And, recommendations for changes to the Hazard Mitigation plan.

A copy of this report will be sent to the Town's Highway Superintendent and will be posted on the Madison County Website. Public Comment will be accepted based on review of these reports and the County's Plan available on this web site.

Every five years after the plan receives its FEMA approval and adoption by the Stockbridge Town Board, the County Emergency Management Director will update the County Hazard Mitigation Plan and the Town of Stockbridge annex based on reports supplied by the Town's Highway Superintendent and other municipalities, as well as input from the public. This updated plan will be submitted to the Town of Stockbridge for approval before being forwarded to FEMA.