

## Town of Madison



Contact	Title	Phone
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Wendy Bono	Town Clerk	(315) 893-7020
Roy Kirley	Highway Superintendent	(315) 723-7114
Roger Williams	Planning Board Chairperson	(315) 893-7020
Lawrence Cesario	Code Enforcement Officer	(315) 893-7020

### Background

The Town of Madison is a community of 3,008 residents located north east of the Village of Hamilton. The Village of Madison is located within the boundaries of the township but they will have their own section in the mitigation plan. Nearly 75% of the residents are between the ages of 18 and 65 with only 12% over the age of 65(394 residents). The town is comprised of approximately 23 square miles. The Town has an assessed value of over 142.5 million dollars distributed across a variety of property classes. There are approximately 548 single family homes located within the township. The town is comprised of just over 26,000 acres.

# MADISON COUNTY HAZARD MITIGATION PLAN 2016

## **Land Use and Development Trends**

In past five years, subdivisions have occurred in the southern part of the Town near Lake Moraine. These include the Warren Baker farm, the Gerald Rockwell farm, and the Rodney Pierson farm. These farms have been divided into 10 to 20 acre parcels along already existing roads. Commercial development is occurring along Route 12B north of the Village of Hamilton.

## **Assets**

The Town highway barn is located on Solsville Rd. just outside the Village of Madison.

The Town Hall is located on Route 20 in the Village.

The Madison Fire Department is located on Route 20 next to the Town offices.

The Madison Central School is located in the Village.

## **Local Organization and Regulations**

The Town Board meets on the second Thursday of each month at the Town Hall on Route 20.

There is a planning board in place in the township. They review plans for any new development.

## **The Planning Process**

Steve Lorraine, Madison County Soil & Water District Manager met with Town Supervisor Ronald Bono on 1/29/14 to discuss updates to the hazard mitigation plan. Mr. Lorraine met with Town Highway Superintendent, Roy Kirley on 6/8/15 and reviewed the list of projects and a map provided by Mr. Lorraine.

## **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 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**

The following organizations have been contacted for input to the town of Madison HMP, comment has not yet been received.

- Lake Moraine Association
- Madison Lake Association
- NYS Department of Transportation
- Oneida Madison Electric Company

# MADISON COUNTY HAZARD MITIGATION PLAN 2016

## Existing Plans, Studies, Reports, and Technical Information

- Emergency Action Plan For Lake Moraine
- The Town is currently considering a zoning plan.

## 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 Madison Probability Greater (G), Lesser (L) About Equal (E)	Town of Madison Issues Beyond County-wide Plan Yes (y), No (n)
Severe Storms	Mod. High	312.2	E	N
Transportation Accidents	Mod. High	285.2	E	Y
Winter Storms	Mod. High	272.2	E	Y
Fires	Mod. High	265.2	L	N
Ice Storms	Mod. Low	236.2	E	N
Flood	Mod. Low	222.8	L	Y
Utility Failure	Mod. Low	218.5	G	Y
Tornado	Mod. Low	202.5	E	N
Ice Jam	Mod. Low	180.5	L	N
Infestation	Mod. Low	173.8	L	N
Ext. Temps	Mod. Low	169.8	E	N
Epidemic	Mod. Low	164.2	E	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	G	Y
Hurricane	Low	158.8	L	N
Earthquake	Low	150.5	E	N
Blight	Low	96.2	E	N
Landslide	Not Rated		L	N

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## Types of Mitigation Measures

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

**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
Madison Program	State BOCA Codes	No	State Health Codes Fire Codes	No	SEQR for major subdivisions	Federal Flood Insurance Rules apply	No

	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	Southern Madison Land Trust	No	No	No	State Regs Apply	Planning Board Regulations

**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.floodproofing)
Madison 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
Madison Program	No	Education of Elected to NIMS Standards	State Rules Apply	Fire Safety Education

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**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
Madison Program	Technical Assistance available from County SWCD	NYS DEC 480A Program available	State Regs for greater than 1 acre development;	No	State Rules Apply	No	State & Federal Rules Apply	No

**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
Madison Program	Emergency Generator for Fire Department	Madison Fire Dept., Madison Ambulance, State Police County Sheriff	MSDS Sheets on File with Fire Department	911 Center Alert System:	County Health Department Rules for drinking water and minimum living standards	Red Cross

**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
Madison Program	No	State Owned Dam at Lake Moraine	No	Red Cross Shelter at Madison Central School

# MADISON COUNTY HAZARD MITIGATION PLAN 2016

## **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 writing of zoning regulations for the Town of Madison.

## **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. Flooding was caused by a 1 to 4 inch rain in conjunction with snowmelt. Before this storm rivers and streams had high flows due to a previous rainstorm on March 28<sup>th</sup>.

#### **Locations Subject to Hazard**

Lakeview Court-Poor road drainage

Carter Road-Shoulder washout

Lake Moraine Road - House in floodplain suffers flooding

Bonney Hill Road-Shoulder washout

Whalen Hill Road - Bridge problems

#### **Potential Losses**

According to the Madison County Assessment office records, the Town of Madison has 199 parcels with at least some land in the 100 year flood plain. The vast majority of land in the floodplain is either agricultural, wooded, or fallow. By examining an overlay of aerial photography, parcel boundaries and the 100 year flood plain, it was found that 6 parcels had buildings in the flood plain. These included one dairy farm, one restaurant, one outbuilding, and three houses. The dairy parcel had an assessed value of \$523,000, the restaurant had an assessed value of \$566,600, the house parcels had an average assessed value of \$70,000, and the parcel with the outbuilding had an assessed value of \$21,400. By estimating \$20,000 damage each to the two commercial parcels, \$5,000 each to the houses, and \$2,000 to the outbuilding, total damage from a 100 year flood is estimated to be \$57,000.

# MADISON COUNTY HAZARD MITIGATION PLAN 2016

## Mitigation Measures

Project #	Project Name	Description	Lead Agency	Estimated Cost
T/Madison#1	Abbert Road Culvert Repairs	Flooding of an unnamed tributary to the Sangerfield River resulted in the wash out of a single 4' by 5' culvert at Abbert Road causing severe damage to the road and adjacent residences and agricultural lands. The project will include replacement of the damaged culvert with a single 5' by 7' squash culvert to handle calculated flows.	Town of Madison	\$36,000
T/Madison#2	Roberts Road Culvert Repairs	Improve drainage under the road at this location. The bridge at this location requires replacement.	Town of Madison	\$25,000
T/Madison#3	South Street Culvert	Build increased drainage capacity of the under-road structure reducing flooding and road erosion during severe storm events.	Town of Madison	\$36,000

## 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?

## MADISON COUNTY HAZARD MITIGATION PLAN 2016

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
Abbert Road Culvert Repairs	+1	+1	-1	+1	+1	+1	+1	5
Johnny Cake Hill Road Bridge Replacement	+1	+1	-1	+1	+1	+1	+1	5
South Street Culvert	+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 Madison’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,
- 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 Town of Madison Board, the County Emergency Management Director will update the County Hazard Mitigation Plan and the Town of Madison 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 Madison for approval before being forwarded to FEMA.