

## Village of Madison



Contact	Title	Phone
Barbara Clark	Village Mayor	(315) 893-7387
Douglas Bush	Village Clerk	(315) 893-1894
Tim Cowan	Code Enforcement Officer	(315) 480-5548

### Background

The Village of Madison is a community of 315 residents located in the eastern portion of the county. 75.6% of the residents are between the ages of 18 and 65, while only 16.2 % are over the age of 65 (residents). The village currently encompasses approximately .48 square miles. The village has an equalized assessed value of approximately \$34 million dollars, which is distributed across a variety of property classes. There are 75 single family occupied homes within the town.

### Land Use and Development Trends

Madison is a small Village and has not seen a lot of new development. Four houses in the Village have recently been converted from 1 family houses to 2 and 3 family apartment houses.

### Assets

## MADISON COUNTY HAZARD MITIGATION PLAN 2016

The Village Hall is located at 7358 Route 20, just east of the middle of the Village. It is co-located with the offices for the Town of Madison. It has a maximum capacity for meetings of 51 people. This building is not equipped with a generator and does not have an outside hook-up for a generator. Village owns a generator located at pump house.

Madison Fire Department is located at 7362 Route 20 next to the Village Hall. This building is not wired with an external hook-up for a generator. The Fire Department owns a 5 KW portable generator, a 5 KW truck mounted generator, a 7.5 KW truck mounted generator, and gas powered portable pump. An ambulance corps is part of the Fire Department. A paid paramedic is employed weekdays from 7 AM to 5 PM. Volunteers with up to Level 3 EMT training are used at other times.

The village water supply draws water from a well located north of the Village limits. It has a water tower to provide pressure on a hill just southwest of the Village limits. Water mains run along Route 20 east  $\frac{3}{4}$  of a mile beyond the Village limits, west  $\frac{1}{2}$  of a mile beyond the Village limits, and south along South Street  $\frac{1}{4}$  of a mile beyond the Village limits. All residential structures in the Village are located within 1,000 feet of a fire hydrant. The pump house has an outside hook-up for a generator that is kept on site in case of a power failure.

Madison Central School is located just northwest of the Village center at 7303 Route 20. It is the designated Red Cross shelter for the Village and has capacity for 125 people. This building is not equipped with a generator and does not have an external hook-up for a generator.

The Village does not have a Department of Public Works. Services are provided by the Town of Madison Highway Department.

### **Local Organization and Regulations:**

The Village Board of Trustees meets on a monthly basis at the Village Hall.

Village Trustees conducted an urban forestry survey in 2002. Problem trees are addressed on a case by case basis.

Fire hydrants have been replaced at the rate of one or two per year in recent years. All are currently in good condition and tested annually by the fire department.

### **The Planning Process**

Steve Lorraine, Madison County SWCD, met with the Village Board of Trustees at their regular monthly meeting on October 9, 2013. The Board directed Mr. Johnston to work with Mayor Barbara Clark to collect information used to write a section on the Village of Madison. Mr. Johnston met with Mayor Clark and Trustee Norma St. Clair on February 14; Village assets and potential problems were discussed and then located on a map of the Village supplied by Mr. Lorraine.

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## **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**

A copy of the Emergency Management Plan has been sent to Madison Central School for their input.

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

The Madison Fire Department is currently applying will reduce its vulnerability to FEMA for a grant naturally occurring hazards. The strategy was developed as a result of meetings with community members to purchase a generator.

The Village has a program for updating its sidewalks. With another 120 linear feet of sidewalk in 2006, no new sidewalks will need discuss the plan of action. As part of this process the hazard analysis, information was reviewed with these individuals to replace in the near future.

## **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.

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Hazard	Madison Co. Class.	Madison Co. Ranking	Village of Madison Probability Greater (G), Lesser (L) About Equal (E)	Village 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	N
Winter Storms	Mod. High	272.2	E	N
Fires	Mod. High	265.2	E	Y
Ice Storms	Mod. Low	236.2	L	N
Flood	Mod. Low	222.8	L	Y
Utility Failure	Mod. Low	218.5	E	Y
Tornado	Mod. Low	202.5	E	N
Ice Jam	Mod. Low	180.5	L	N
Infestation	Mod. Low	173.8	L	N
Extreme Temperatures	Mod. Low	169.8	E	N
Epidemic	Mod. Low	164.2	E	N
Drought	Mod. Low	164.2	L	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		L	N

### Types of Mitigation Measures

This section is used to indicate the types of mitigation actions that already are in use in the Village of Madison. Appendix D of this plan can be used as a guide as to what mitigation actions can mitigate different hazards.

**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	Local Gov. for Water	SEQR for major subdivisions	Federal Flood Insurance Rules apply	No

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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	Time Limit on Permits	State Health rules for septic systems	Village Board Approval	State Regs Apply	No

**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)
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	Village Clerk distributes Health Dept. and other info.	Education of Elected to NIMS Standards	State Rules Apply	Fire Safety Education Headstart

**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 from County	No	State Regs for greater than 1	Village has excavated stream	State Rules Apply	Money to hire private arborist is	State & Federal Rules Apply	No

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	SWCD;		acre developm ent;	in past		in budget		
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**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	No	Madison Fire Dept. Ambulance State Police County Sheriff	MSDS Sheets on File with Fire Department	911 Center Alert System: Fire Department Siren	County Health Department Plan	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	Yes	No	No	Red Cross Shelter Madison 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 Village of Madison zoning regulations.

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## 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

*South Street Flooding* – In the 1970s, flooding occurred southwest of South Street. Since then, gravel has been excavated from a small stream in this area and the threat of flooding has been reduced.

#### Locations Subject to Hazard

One house located on South Street could be subject to flooding over time as deposition occurs from upstream erosion.

#### Future Development in Hazard Area

None at this time

#### Potential Losses

South Street Flooding – It is estimated that total losses from one house suffering basement flooding with loss of a furnace would be \$5,000

#### Mitigation Measures

Project #	Project Name	Description	Lead Agency	Estimated Cost
V/Madison#1	South Street Flooding	Replace existing double pipe culvert with a single box culvert of appropriate size to handle calculated flows.	Village of Madison/ Town of Madison Highway	\$50,000
V/Madison#2	Stand-by Generator for fire department and village government	Equip the fire station with a propane fueled standby generator and automatic transfer switch. This would support fire department operations, especially during prolonged power outages.	Village of Madison Fire Department	\$35,000

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South Street Flooding – The first step in preventing flooding in this area would be to conduct a check of the elevations in the channel and compare these elevations with those established just after the channel was cleaned in the 70’s. This could be done by County SWCD staff at no cost to the Village. Excavation of the stream channel could require the use of an excavator and two dump trucks for two days. As this would be considered a maintenance project, it would not be eligible for FEMA Mitigation Program funding. Cost of excavation and trucking would have to be borne by the Village. Because there have been no problems with drainage since the last time the channel was excavated, this is a Medium Priority for the Village at this time.

### 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
South Street Channel Maintenance	+1	+1	-1	+1	+1	+1	+1	5
Stand-by Generator for fire department and village government	+1	+1	+1	+1	N	+1	N	5



# MADISON COUNTY HAZARD MITIGATION PLAN 2016

## 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 Village of Canastota's Mayor and submit a copy of the evaluation form. The Village Mayor 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 Village's Administrator 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 Village of Madison Board, the County Emergency Management Director will update the County Hazard Mitigation Plan and the Village of Madison annex based on reports supplied by the Village Mayor and other municipalities, as well as input from the public. This updated plan will be submitted to the Village of Madison for approval before being forwarded to FEMA.