

Town of Brookfield



Contact	Title	Phone
John Salka	Supervisor	(315) 941-9207
Sherry Perretta	Town Clerk	(315) 899-3364
Paul Owens	Highway Superintendent	(315) 899-5878
Chad Trudell	Code Enforcement Officer	(315) 404-0080
Daniel McCoach	Planning Board Chairman	(315) 691-2751

Background

The Town of Brookfield is a community of 2,403 residents located on the south eastern corner of the county. 71% of the residents are between the ages of 18 and 65, while only 11% are over the age of 65 (257 residents). The town currently encompasses approximately 35 square miles – of which approximately 20 square miles is state owned forestry land. The town has an equalized assessed value of approximately 108 million dollars which is distributed across a variety of property classes. There are 315 single family occupied homes within the town.

MADISON COUNTY HAZARD MITIGATION PLAN 2016

Land Use and Development Trends

There is no commercial development occurring in the Town at this time. Residential development is happening rapidly. Two developers, Land and Lakes Company out of Greene, NY and Christmas Associates, have been purchasing farms and subdividing them along existing roads. Development is occurring along Fairgrounds Road, Ouleout Road, Skaneateles turnpike, and Route 8.

Assets

The town offices are located on Beaver Creek Road in Brookfield. The office is not equipped with a back-up generator.

The town highway barn is located on south of the town offices on Beaver Creek Road. The Highway Department has a generator in case of a power failure.

There are fire houses located in North Brookfield, Brookfield and Leonardsville. All of these fire companies have back-up generators.

The County fairgrounds are located on Fairground Road in Brookfield.

The Brookfield School District is located in Brookfield and has an emergency backup generator.

The old Leonardsville school building located on Route 8 in Leonardsville also has an emergency backup generator.

Local Organization and Regulations

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

The Town Planning Board meets on the first Thursday of each month.

The Zoning Board of Appeals was to be established by April 2006 and will meet as needed.

The Planning Process

The Town Board held a public meeting on 12/19/13 to discuss the Hazard Mitigation Plan update, what it entailed, what it is for and to determine with whom this plan should be discussed in its development. After a lengthy discussion it was decided that the town planning board should hold a meeting and invite the appropriate members of local government. The planning process was discussed as well as areas of concern around the town. A follow-up meeting was held to review projects with the highway superintendent on 5/16/15.

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

A copy of this plan has been sent to the following organizations for comment:

- Brookfield Fire Department
- Town of Plainfield, Otsego County
- Town of Bridgewater, Oneida County
- Town of Columbus, Chenango County

MADISON COUNTY HAZARD MITIGATION PLAN 2016

Existing Plans, Studies, Reports, and Technical Information

Town of Brookfield Subdivision Ordinances was considered in assessing existing mitigation programs.

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 Brookfield Probability Greater (G), Lesser (L) About Equal (E)	Town of Brookfield Issues Beyond County-wide Plan Yes (y), No (n)
Severe Storms	Mod. High	312.2	G	N
Trans 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	G	N
Flood	Mod. Low	222.8	E	Y
Utility Failure	Mod. Low	218.5	E	N
Tornado	Mod. Low	202.5	L	N
Ice Jam	Mod. Low	180.5	L	N
Infestation	Mod. Low	173.8	L	N
Extreme Temps	Mod. Low	169.8	E	N
Epidemic	Mod. Low	164.2	L	N
Drought	Mod. Low	164.2	E	N
Wildfire	Low	160.5	E	N
Wave Action	Low	159.5	L	N
Dam Failure	Low	159.2	L	N
Hurricane	Low	158.8	L	N
Earthquake	Low	150.5	E	N
Blight	Low	96.2	E	N
Landslide	Not Rated		E	N

MADISON COUNTY HAZARD MITIGATION PLAN 2016

Types of Mitigation Measures

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

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
Brookfield Program	State BOCA Codes	No	State Health Codes Fire Codes	No	SEQR for subdivisions	Federal Flood Insurance Rules	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	No	State health Dept. rules for septic	Planning Board	State Regs Apply	Yes

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)
Brookfield Program	No	No	No	No	No

MADISON COUNTY HAZARD MITIGATION PLAN 2016

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
Brookfield 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
Brookfield Program	Technical Assistance available through SWCD	NYS DEC 480A program available	State Regs for greater than 1 acre development	No	State Rules Apply	No	State & Federal Rules Apply	Chesapeake Bay Tributary Strategy

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
Brookfield Program	No	Fire West Winfield Ambulance State Police County Sheriff	MSDS Sheets on File with Fire Department	911 Center Alert System	County Health Department Rules for minimum living standards and drinking water	Red Cross

MADISON COUNTY HAZARD MITIGATION PLAN 2016

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
Brookfield Program	No	No	No	Red Cross Shelter at Brookfield 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 Town of Brookfield subdivision ordinances.

Mitigation Actions by Hazard

Appendix D provides a matrix that lists by category the possible mitigation actions and projects applicable to specific hazards. The community should consider this matrix when deciding a course of action in mitigating a particular hazard.

A. FLOODING

Mitigation Goals

Minimize loss of property, risk of injury, damage to the environment, and loss of infrastructure from 500 year flood waters.

Historical Events

January '96 Flood – This was presidential disaster FEMA 1095 DR. 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 rain in conjunction with snowmelt. Greater damage occurred at higher elevations in Madison County.

Locations Subject to Hazard

Moscow Road-A culvert at this location lacks capacity.

Quaker Hill Road-A culvert in this location lacks capacity.

MADISON COUNTY HAZARD MITIGATION PLAN 2016

Potential Losses

According to the Madison County Assessment office records, the Town of Brookfield has 248 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 10 parcels had buildings in the flood plain. These included one Ag parcel, eight residential parcels, and one residential with a small improvement. Total assessed value for these parcels is \$543,600. It is estimated that these parcels could sustain an average of \$5,000 damage in the event of the 100 year flood. Total damage would be \$50,000.

Future Development in Hazard Area

Development in town is concentrated in other geographic areas.

Mitigation Measures

Streambank stabilization will reduce erosion that occurs during severe storm events. This project would re-establish approximately 1000' linear feet of eroded streambanks in the Town of Brookfield by installing channel lining rock and check dams.

Project #	Project Name	Description	Lead Agency	Estimated Cost
T/Brookfield#1	Town of Brookfield Streambank Stabilization and Restoration	The project will reestablish approximately 1,000 linear feet of eroded and washed out streambank and install channel lining rock and check dams.	Town of Brookfield Highway	\$120,000
T/Brookfield#2	Skaneateles Turnpike Streambank Stabilization	The project will reestablish approximately 500 linear feet of eroded and washed out streambank and install channel lining rock and check dams. The Town highway department will perform the construction.	Town of Brookfield Highway	\$40,000

MADISON COUNTY HAZARD MITIGATION PLAN 2016

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
Streambank restoration and armoring	+1	+1	-1	+1	+1	+1	+1	5
Skaneateles Tpk. Streambank stabilization	+1	+1	-1	+1	+1	+1	+1	5

Plan Monitoring and Update

The Madison County Office of Emergency Management 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 Management Director will (most likely by e-mail) contact the Town of Brookfield 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 Management Director, will prepare an annual summary report for progress in implementing the County Hazard Mitigation Plan. Included in this plan will be the following items:

- Summary and analysis of all disasters that have struck Madison County during the previous calendar year,
- Gap analysis for the hazard mitigation plan for any disasters that occurred during the previous calendar year,
- A list of funding opportunities made available from FEMA and SEMO during the twelve 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
- Recommended changes to the Hazard Mitigation plan.

MADISON COUNTY HAZARD MITIGATION PLAN 2016

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