

## Town of Fenner



Contact	Title	Phone
David Jones	Town Supervisor	(315) 655-2705
Paula Douglas	Town Clerk	(315) 655-2705
Dan Smith	Highway Superintendent	(315) 684-8503
Donna Griffin	Planning Board Chairperson	
Roger Cook	Code Enforcement Officer	(315) 447-0476

### Background

The Town of Fenner is a community of 1,726 residents located in the western portion of the county. 72.3% of the residents are between the ages of 18 and 65, while only 8.7% are over the age of 65 (residents). The town currently encompasses approximately 31 square miles. The town has an equalized assessed value of approximately \$70 million dollars, which is distributed across a variety of property classes. There are 283 single family occupied homes within the town.

### Land Use and Development Trends

The most significant development in Fenner is the conversion of large dairy farms to 10 to 20 acre farmettes along already existing roads. The Jeneroc Farm along Irish Ridge Road and Bingley Road has been divided in this manner. The Shephard Farm on Roberts and Shephard Roads was divided into 12 parcels, the smallest parcel was 20 acres. A four parcel subdivision with a road and cul-de-sac is being

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built along Cody Road just north of Moraine Road. 20 thirty megawatt wind turbines were constructed in 2001. Another 5 are being considered for construction. Construction has been completed on a Fenner Renewable Energy Education (FREE) Center on Bellinger Road.

## Assets

Town Hall/ Town Highway Department – 3151 East Road, Cazenovia NY 13035 Located at the Intersection of Nelson Road and East Road in the middle of the Township. This facility is an office building/ highway department garage and office. A separate structure on site is used for salt and sand storage. The building has a backup generator that is capable of running everything except the welder in the Highway Department.

Highway Equipment:

- 2 All-wheel drive V plows with double wings (no sanders) for opening roads after storms.
- 2 All-wheel drive ten wheeler one way plows with a single wing and sanders.
- 2 Six-wheeler plows, one with a wing and sander and one without a wing and sander.
- 1 Front end loader

## Local Organization and Regulations

The Town Board meets on the 1<sup>st</sup> Tuesday of each month.

The Town planning Board meets on the 3<sup>rd</sup> Wednesday of each month at 7:30 PM in the Town Hall.

The Zoning Board of Appeals meets as needed.

A local resident, a Mr. Tom Davis, who is located on Wyss Road records measurements of snow after every storm. Mr. Davis also serves as the unofficial Town Historian.

Part of the Town of Fenner is served by the Cazenovia Fire Department. Part is served by the Town of Smithfield Fire Department. Part is served by the Chittenango Fire Department.

The Town Highway Department receives “Chips” money from the state. This money is dedicated funding for road maintenance. This money can be used for reconstruction including road sub-base, resurfacing, and culverts.

## The Planning Process

Steve Lorraine, Madison County SWCD, met with the Fenner Town Board at their regular monthly meeting on October 9, 2013. The Town Board requested that Mr. Lorraine meet with the Town Planning Board in order to further explain the mitigation program. Mr. Lorraine, Madison County SWCD, met with the Planning Board at their regular monthly meeting on February 19, 2014. Town Supervisor Russ Cary called Steve Lorraine told him to work with Frank Hyatt, Superintendent of Highways, to collect the information needed to prepare a section of the mitigation plan on the Town of Fenner.

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

Copies of this plan have been sent to:

- Town Planning Board
- Fenner Renewable Energy Education Center

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

- Town of Fenner Land Use Regulations
- Town of Fenner Subdivision Regulations
- State Environmental Quality Review C.H.I. Energy Windfarm

## 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 Fenner Probability Greater (G), Lesser (L) About Equal (E)	Town of Fenner Issues Beyond County-wide Plan Yes (y), No (n)
Severe Storms	Mod. High	312.2	G	N
Transportation Accidents	Mod. High	285.2	L	Y
Winter Storms	Mod. High	272.2	G	Y
Fires	Mod. High	265.2	G	N
Ice Storms	Mod. Low	236.2	G	Y
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	E	N
Extreme	Mod. Low	169.8	G	N

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Temperatures				
Epidemic	Mod. Low	164.2	L	N
Drought	Mod. Low	164.2	L	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	G	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 Fenner 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
Fenner Program	State BOCA Codes	1 acre minimum lot size with 200 foot road frontage	State Health Codes Fire Codes	Easement for windmills on Town-owned land	SEQR for major subdivisions	Federal Flood Insurance Rules apply	Yes

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	Construction allowed up to a set % grade	No	Time Limit on Permits	State Health rules for septic systems	Through 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. flood-proofing)
Fenner Program	No	No	No	No	No

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**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
Fenner Program	No	Education of Elected to NIMS Standards	State Rules Apply	Fenner Renewable Energy Education (FREE) Center

**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
Fenner Program	Technical Assistance 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	Oneida lake Program; 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
Fenner Program	Emergency Generator for Town Building	Smithfield, Cazenovia, & Chittenango Fire Depts.; SEVAC & CAVAC Ambulances State Police & County Sheriff	MSDS Sheets on File with Fire Department	911 Center Alert System	County Health Department Plan	Red Cross

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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
Fenner Program	No	No	No	No

## 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 Town of Fenner Land Use Regulations.

## Mitigation Actions by Hazard

### A. Flooding

The Town of Fenner is located at the headwaters of the Oneida Lake Watershed for most of the Town and the Chenango River Watershed in the southeast corner of the Town. Generally, flooding is less of a problem within this Township because small streams do not have large watersheds above them.

### Mitigation Goals

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

### Historical Events

*August '03 Flooding* – This was presidential disaster FEMA 1486 DR for summer storms between 7/21 and 8/13/03.

*Spring '00* – This was presidential disaster FEMA 1335 DR-NY for storms that occurred May 3 to June 30. The Town of Fenner sustained damage at 16 sites. The worst damage occurred at Shepard's Road where 50 foot x 12 foot of pavement was washed out.

*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.

### Locations Subject to Hazard

Hodge Road - During the January 96 runoff event, a section of Hodge Road was washed out because of a lack of culvert capacity. During repairs a 12 inch diameter culvert was replaced with a 15 inch culvert increasing capacity by around 56%. No new washouts have occurred since 1996.

Rouses Road – An undersized culvert just west of Mile Strip Road needs to be upgraded.

Shepard Road culvert for Munger Brook - The culvert at this location was upgraded during the early 1990's. On at least one occasion, this culvert has overflowed because it became clogged with debris.

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## Future Development in Hazard Area

Hodge Road is presently a gravel road but may be paved in the future with State CHIPS funding.

Shephard Road – With the subdivision of the Shephard Farm, new development of relatively large parcels is occurring along Shephard Road.

## Potential or Historical Losses

August '03 Flooding – Damages in the Town of Fenner due to scour damage and debris town-wide amounted to \$59,276.37. At 75% cost-share the Town received \$44,457.22 for the disaster.

## Mitigation Strategies

Project #	Project Name	Description	Lead Agency	Estimated Cost
T/Fenner#1	Rouses Road Culvert Repairs	The undersized culvert at this location needs to be upgraded. SWCD staff will assist Town Highway with runoff calculations and culvert sizing.	Town of Fenner Highway	\$35,000
T/Fenner#2	Roberts Road Culvert Repairs	A debris guard consisting of a slanting grate over the culvert entrance could be constructed at this location. A similar grate is planned for a culvert in Morrisville.	Town of Fenner Highway	\$5,000

## 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?

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

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Proposed Mitigation Action								
	Soc	Tech	Admin	Polit	Legal	Econ	Enviro	Score
Rouses Road Culvert Repairs	+1	+1	-1	+1	+1	+1	+1	5
Roberts 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 Fenner 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 Fenner Board, the County Emergency Management Director will update the County Hazard Mitigation Plan and the Town of Fenner 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 Fenner for approval before being forwarded to FEMA.