

## Village of Earlville



Contact	Title	Phone
William Excell	Village Mayor	(315) 691-2121
Kelly Beach	Village Clerk	(315) 691-2121
Marc Tucker	Superintendent of Highways	(315) 691-2121
Lloyd Sutton	Code Enforcement Officer	(315) 691-2121

### Background

The Village of Earlville is a community of 872 residents located on the border between Madison and Chenango Counties. The Village north of Main Street is in the Town of Hamilton and south of Main Street is in the Town of Sherburne. Seventy two percent of the population is between the ages of 18 and 65, with thirteen percent of the population over the age of 65(106 residents). The village is comprised of just over one square mile. The village has an equalized assessed value of almost 12 million dollars. There are 329 housing units in the village with 187 of them being single family owner occupied homes. There is no real commercial development taking place at this time.

### Land Use and Development Trends

A 5 lot-9 acre subdivision is proposed north of East Main Street at the Village boundary. Very little undeveloped land is left within the Village limits. Village is looking to improve downtown with new businesses. Smith block façade was recently rebuilt. H & R Block is one new downtown business.

# MADISON COUNTY HAZARD MITIGATION PLAN 2016

## Assets

The village offices are located on Route 12B. A back-up generator is available in case of power failure from the Fire Department.

The Earlville Fire Department is located right next to the village offices on Route 12B. A back-up generator is available in case of power failure.

The Village Department of Public Works is located on Fayette Street. This facility does not have a generator or an external hook-up for an outside generator.

Equipment includes:

- 6 wheel dump truck with plow but no sander
- Front end loader
- Small Ford Tractor with Snow-blower
- 1 ¾ ton truck with sander and plow

The Village has its own water supply that receives its water from wells located east of North Main Street. Water pressure is supplied by a 200,000 gallon reservoir located on the east side of North Main Street at a higher elevation than the well heads. Water is moved to the reservoir by a 40 horse power pump and a 25 horse power pump. These pumps do not have a back-up generator or an external hook-up for a back-up generator.

## Local Organization and Regulations

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

The Village has an active tree maintenance program. The Village contracts with a private arborist to remove and replace trees as designated by the Village Board.

The Village does not enforce any local zoning ordinances.

## The Planning Process

The Village Board of Trustees held a public meeting on September 23, 2013 where discussion took place about the mitigation plan. The pros and cons of being included in the plan were discussed and it was decided to proceed with the planning process. The board suggested that we meet with the department of public works and a representative from the planning board. Several discussions took place with Barbra Golden from the planning board regarding issues in the village and how this planning process works. Steve Lorraine, Manager, Madison County SWCD, met with Mark Tucker, Earlville Superintendent of Highways, on March 2, 2014 to review an early draft of the Village's plan. Mr. Lorraine met with Mayor Excell and Gerry Hayes on April 1, 2015 to approve final plan.

## 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

# MADISON COUNTY HAZARD MITIGATION PLAN 2016

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 Village of Earlville HMP has been sent to the following organization for comment: Partnership for Community Development, Hamilton, NY

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

Emergency Action Plan – The Village Board is currently working on an update of the Village’s Emergency Action 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	Village of Earlville Probability Greater (G), Lesser (L) About Equal (E)	Village of Earlville 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	E	Y
Fires	Mod. High	265.2	L	Y
Ice Storms	Mod. Low	236.2	E	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

## MADISON COUNTY HAZARD MITIGATION PLAN 2016

Infestation	Mod. Low	173.8	L	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		L	N

### Existing Mitigation Measures

This section is used to indicate the types of mitigation actions that already are in use in the Village of Earlville. 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
Earlville Program	State BOCA Codes	No	Village Codes	Wellhead access	NYS SEQR	National flood insurance rules	No Village has little floodplain

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	No	No	State Regs Apply	NYS Regulations apply

## MADISON COUNTY HAZARD MITIGATION PLAN 2016

**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)
Earlville 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
Earlville Program	Village clerk supplies Health Dept. and other info.	Education of Elected to NIMS Standards	State Rules Apply	Preschool Fire Safety CPR Training at Senior 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
Earlville Program	Technical assistance through SWCD	No	State Regs for greater than 1 acre development	No	State Rules Apply	Tree Maintenance Program	State & Federal Rules Apply	No

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

## MADISON COUNTY HAZARD MITIGATION PLAN 2016

	Critical Facilities Protection	Emergency Response Services	Hazard Threat Recognition	Hazard Warning Systems	Health & Safety Maintenance	Post Disaster Mitigation
Earlville Program	Emergency Preparedness Plan being developed	Fire Police Ambulance	MSDS Sheets on File with Fire Department	911 Center Alert System	County Health Department rules for minimum living standards and drinking water	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
Earlville Program	No	No	No	Sherburne Methodist Church acts as Red Cross Shelter

### **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 the Village of Earlville emergency action plan.

### **Mitigation Actions by Hazard**

#### **A. Flooding**

The Village of Earlville has the Chenango River on the west side of the Village and the Sangerfield River on the east side of the Village. At the present time there has not been any development in the flood plain of either of these two rivers. More flooding problems are associated with the remnants of the Chenango Canal that traversed the Village parallel to Route 12B just east of the downtown.

#### **Mitigation Goals**

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

# MADISON COUNTY HAZARD MITIGATION PLAN 2016

## 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.

## Locations Subject to Hazard

*Preston Street and Clyde Street*- This area is northeast of the Village center. Runoff from hills northeast of the Village is conducted by the old Chenango Canal and causes flooding to seven houses in this vicinity. There is no suitable outlet for this runoff at the present time.

## Future Development in Hazard Area

No new development is proposed in any of the floodplains or the Preston Street/ Clyde Street area.

## Potential Losses

Preston Street and Clyde Street - 3 houses and 1 double wide pre-manufactured home on Preston Street and 3 houses on Clyde Street suffer basement flooding during peak runoff events. All of these houses have reportedly had their utilities raised above flood level. For the 6 houses with basements, losses are estimated at \$500 for each house per flood event for a total of \$3,000 per flood event.

## Mitigation Strategies

Project #	Project Name	Description	Lead Agency	Estimated Cost
V/Earlville#1	Drainage and Pump System for Preston & Clyde Streets	Design and install drainage and pump system to capture and remove stormwater from Preston & Cole Streets, in the Village of Earlville.	Village of Earlville	\$24,000
V/Earlville#2	Stand-by Generator	Equip the fire station with a natural gas fueled standby generator and automatic transfer switch. This would support fire department operations, especially during prolonged power outages.	Village of Earlville	\$35,000

# MADISON COUNTY HAZARD MITIGATION PLAN 2016

## 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

Mitigation Action								
	Soc	Tech	Admin	Polit	Legal	Econ	Enviro	Score
Drainage & Pump System for Preston & Clyde Streets	N	+1	-1	+1	+1	+1	+1	4
	N	+1	+1	+1	+1	+1	N	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 Village of Earlville's Fire Chief and submit a copy of the evaluation form. The Village Fire Chief 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,



## MADISON COUNTY HAZARD MITIGATION PLAN 2016

- 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 Fire Chief 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 Earlville Board, the County Emergency Management Director will update the County Hazard Mitigation Plan and the Village of Earlville annex based on reports supplied by the Village Fire Chief and other municipalities, as well as input from the public. This updated plan will be submitted to the Village of Earlville for approval before being forwarded to FEMA.