



9.8 TOWN OF EDMESTON

This section presents the jurisdictional annex for the Town of Edmeston. It includes resources and information to assist public and private sectors to reduce losses from future hazard events. This annex is not guidance of what to do when a disaster occurs. Rather, this annex concentrates on actions that can be implemented prior to a disaster to reduce or eliminate damage to property and people. This annex includes a general overview of the municipality and who in the town participated in the planning process; an assessment of the Town of Edmeston’s risk and vulnerability; the different capabilities utilized in the town; and an action plan that will be implemented to achieve a more resilient community.

9.8.1 Hazard Mitigation Planning Team

The following individuals have been identified as the Town of Edmeston’s hazard mitigation planning primary and alternate points of contact.

Primary Point of Contact	Alternate Point of Contact
Name: Russell Dutcher Title: Supervisor Phone Number: 607-965-8497 Email: edmestonsupervisor@stny.rr.com	Name: Linda Erikson Title: Clerk Phone Number: 607-965-9823
Floodplain Administrator	
Name: Anthony Gentile Title: Otsego County Code Enforcement Officer Phone Number: 607-547-4214 Address: 197 Main Street Cooperstown, NY 13326 Email: gentilea@otsegocounty.com	

9.8.2 Municipal Profile

The Town of Edmeston lies along the western border of Otsego County in western New York State. The Town of Edmeston has a total area of 44.6 square miles of which 44.5 square miles is land and 0.1 square miles is water. The Unadilla River forms the western border of the town. The town is bordered by the Town of Plainfield to the north, the Town of Burlington to the east, the Town of New Lisbon to the southeast, the Town of Pittsfield to the south, and Madison County and Chenango County to the west. Wharton Creek flows southwest through the southeast corner of the town. Mill Creek flows north to south from the northern border of Edmeston to the Wharton Creek at the Edmeston hamlet. Summit Lake can be found in the northeast part of the town.

There are several communities located within the town: Amblers Crossing (hamlet), Edmeston (hamlet), Manchester Crossing (hamlet), South Edmeston (hamlet), and West Edmeston (hamlet). The estimated 2017 population was 1,766, which is a 3.3 percent decrease in population from 2010 (1,826 persons).

Data from the 2017 U.S. Census American Community Survey estimates that 5.5 percent of the town population is 5 years of age or younger, and 21.3 percent is 65 years of age or older. Communities must deploy a support system that enables all populations to safely reach shelters or to quickly evacuate a hazard area.

History and Cultural Resources

The Town of Edmeston extends to the west as far as the Unadilla River, a line that was established by the 1768 Treaty of Fort Stanwix between the British and the Iroquois, negotiated by Sir William Johnson. The town's name came from the brothers Robert and William Edmeston, who had been granted 10,000 acres of land in





what is now the northwest corner of the town. The Town of Edmeston was officially established from the Town of Burlington in 1808.

Growth/Development Trends

Table 9.8-1 summarizes major residential/commercial development as of September 2018 and any known or anticipated major residential/commercial development and major infrastructure development that is likely to occur within the municipality in the next five years. Refer to the map in Figure 9.8-1 of this annex, which illustrates the hazard areas along with the location of potential new development.

Table 9.8-1. Growth and Development

Property or Development Name	Type (e.g., Res., Comm.)	# of Units/Structures	Location (address and/or Parcel ID)	Known Hazard Zone(s)	Description/Status of Development
Recent Development from 2013 to present					
Dollar General	Comm.	1 Building	108.00-1-27-24	None	Complete
Known or Anticipated Development in the Next Five (5) Years					
N.Y.C.M.	Comm.	Addition	124.00-1-35.00	None	50,000 yards of dirt being removed for an auditorium being built by N.Y.C.M.

** Only location-specific hazard zones or vulnerabilities identified.*

9.8.3 Hazard Event History Specific to the Town of Edmeston

Otsego County has a history of natural events as detailed in Volume I, Section 5.0 of this plan. A summary of historical events is provided in each of the hazard profiles and includes a chronology of events that have affected the county and its municipalities. The Town of Edmeston’s history of federally-declared (as presented by the Federal Emergency Management Agency [FEMA]) and significant hazard events (as presented in NOAA-NCEI) is consistent with that of Otsego County. Table 9.8-2 provides details regarding municipal-specific loss and damages the town experienced during hazard events. Information provided in the table below is based on reference material or local sources. For details of these and additional events, refer to Volume I, Section 5.0 of this plan.

Table 9.8-2. Hazard Event History

Dates of Event	Event Type (Disaster Declaration if applicable)	Otsego County Designated?	Summary of Event	Municipal Summary of Damages and Losses
June 26– July 11, 2013	Severe Storms and Flooding (DR-4129)	Yes	Severe thunderstorms across central New York resulted in flash flooding.	The town applied for and received \$14,287 from the federal government for damages sustained during this event.
May 13– 22, 2014	Severe Storms and Flooding (DR-4180)	Yes	On May 16, heavy rainfall resulted in flash flooding and washed out roads.	Although the county was impacted, the town did not report damages.
November 17–27, 2014	Severe Winter Storm, Snowstorm, and Flooding (DR-4204)	No	A snowstorm developed on November 26. Snowfall amounts ranged from 7–11 inches across the county. The highest amount of 11 inches fell in Cooperstown.	Although the county was impacted, the town did not report damages.



Dates of Event	Event Type (Disaster Declaration if applicable)	Otsego County Designated?	Summary of Event	Municipal Summary of Damages and Losses
March 14–15, 2017	Severe Winter Storm and Snowstorm (DR-4322)	Yes	Snowfall ranged between 3 and 4 feet in Otsego County. Many municipalities and counties declared states of emergencies and/or travel bans. New York State also declared a state of emergency.	Although the county was impacted, the town did not report damages.

Notes:

- EM Emergency Declaration (FEMA)
- FEMA Federal Emergency Management Agency
- DR Major Disaster Declaration (FEMA)
- N/A Not applicable

9.8.4 Hazard Ranking and Jurisdiction-Specific Vulnerabilities

The hazard profiles in Section 5.0 (Risk Assessment) of this plan have detailed information regarding each plan participant’s vulnerability to the identified hazards. The following summarizes the hazards of greatest concern and risk to the Town of Edmeston. For additional vulnerability information relevant to this jurisdiction, refer to Section 5.0.

Hazard Risk Ranking

This section provides the community-specific identification of the primary hazard concerns based on identified problems, impacts, and the results of the risk assessment as presented in Section 5 of the plan. The ranking process involves an assessment of the likelihood of occurrence for each hazard, along with its potential impacts on people, property, and the economy as well as community capability and changing future climate conditions. This input supports the mitigation action development to target those hazards with the highest level of concern.

As discussed in Section 5.3 (Hazard Ranking), each participating town or village may have differing degrees of risk exposure and vulnerability compared to Otsego County as a whole. Therefore, each municipality ranked the degree of risk to each hazard as it pertains to their community. The table below summarizes the hazard risk/vulnerability rankings of potential natural hazards for the Town of Edmeston. The Town of Edmeston has reviewed the county hazard risk/vulnerability risk ranking table as well as its individual results to reflect the relative risk of the hazards of concern to the community.

During the review of the hazard/vulnerability risk ranking, the town indicated the following:

- The town reviewed the calculated risk rankings and agreed with the rankings.

Table 9.8-3. Hazard Risk/Vulnerability Risk Ranking

Hazard of Concern	County Hazard Ranking	Community Hazard Ranking
Drought	Medium	Medium
Earthquake	High	Medium
Extreme Temperature	High	High
Flood	Medium	Medium
Landslide	Low	Low
Severe Storm	High	High
Severe Winter Storm	High	High



Hazard of Concern	County Hazard Ranking	Community Hazard Ranking
Wildfire	High	High

Notes:

- * The municipality changed the initial ranking of this hazard based on event history, municipal experience, and feedback from the municipality.
- a. Building damage ratio estimates based on FEMA 386-2 (August 2001).
- b. The valuation of general building stock and loss estimates was based on custom inventory for the municipality.
- c. Loss estimates for the severe storm and severe winter storm hazards are structural values only and do not include the value of contents.
- d. Loss estimates for the flood hazard represents both structure and contents.

Critical Facilities Flood Risk

New York State Department of Environmental Conservation (NYSDEC) Statute 6 CRR-NY 502.4 sets forth floodplain management criteria for state projects located in flood hazard areas. The law provides that no such projects related to critical facilities shall be undertaken in a Special Flood Hazard Area (SFHA) unless constructed according to specific mitigation specifications, including being raised two feet above the Base Flood Elevation (BFE). This statute is outlined at <http://tinyurl.com/6-CRR-NY-502-4>. While all vulnerabilities should be assessed and documented, NYS places a high priority on exposure to flooding. Critical facilities located in an SFHA or having ever sustained previous flooding must be protected to the 500-year flood event or worst damage scenario. For those that do not meet this criterion, the jurisdiction must identify an action to achieve this level of protection. (NYS DHSES 2017)

The table below identifies critical facilities in the community located in the 1 percent and 0.2 percent floodplain and presents Hazards United States (HAZUS) – Multi-Hazards (MH) estimates of the damage and loss of use to critical facilities as a result of a 1 percent annual chance flood event.

Table 9.8-4. Potential Flood Losses to Critical Facilities

Name	Type	Exposure		Addressed by Proposed Action
		1% Event	0.2% Event	
West Edmeston Fire Department	Fire Station	X	X	T. Edmeston-1
Edmeston Post Office	Post Office	X	X	T. Edmeston-2

Source: Otsego County GIS

Other Noted Vulnerabilities/Problem Statements

The municipality has identified the following vulnerabilities within their community:

- The West Edmeston Fire Department is located within the 100-year floodplain.
- The Edmeston Post Office is located within the 100-year floodplain.

Specific areas of concern based on resident response to the Otsego County Hazard Mitigation Citizen survey include:

- Beaver Ponds are prone to flooding.
- South Street, Walt Davis Rd. Downtown, North St. Edmeston, and State Route 8 were identified as flood-prone areas.
- The valleys of Susquehanna, Butternut, and Unadilla were also identified as being flood-prone.





9.8.5 Capability Assessment

This section identifies the following capabilities of the local jurisdiction:

- Planning and regulatory capability
- Administrative and technical capability
- Fiscal capability
- Community classification
- National Flood Insurance Program
- Integration of mitigation planning into existing and future planning mechanisms

Planning and Regulatory Capability

The table below summarizes the regulatory tools that are available to the Town of Edmeston.

Table 9.8-5. Planning and Regulatory Tools

Tool/Program (code, ordinance, plan)	Do you have this? (Yes/No) If Yes, date of adoption or update	Authority (local, county, state, federal)	Dept. /Agency Responsible	Code Citation and Comments (Code Chapter, name of plan, explanation of authority, etc.)
Planning Capability				
Comprehensive Plan	Yes	Local	Planning Board	Comprehensive Plan
Capital Improvements Plan	No	-	-	-
Floodplain Management/Basin Plan	Yes	County	Code	Floodplain Management Plan
Stormwater Management Plan	No	-	-	-
Open Space Plan	No	-	-	-
Stream Corridor Management Plan	No	-	-	-
Watershed Management or Protection Plan	No	-	-	-
Economic Development Plan	No	-	-	-
Comprehensive Emergency Management Plan	Yes	County	Emergency Services	Comprehensive Emergency Management Plan
Emergency Operation Plan	Yes	County		
Evacuation Plan	No	-	-	-
Post-Disaster Recovery Plan	No	-	-	-
Transportation Plan	No	-	-	-
Strategic Recovery Planning Report	No	-	-	-
Other Plans:	No	-	-	-
Regulatory Capability				
Building Code	Yes	State & Local	-	-
Zoning Ordinance	Yes	Local	Planning Board	Zoning Ordinance of 2001, amended 2016
Subdivision Ordinance	Yes	Local	Planning Board	Subdivision Regulations of 2007



Tool/Program (code, ordinance, plan)	Do you have this? (Yes/No) If Yes, date of adoption or update	Authority (local, county, state, federal)	Dept. /Agency Responsible	Code Citation and Comments (Code Chapter, name of plan, explanation of authority, etc.)
NFIP Flood Damage Prevention Ordinance	Yes	Federal, State, Local	Otsego County Code Enforcement	Local Law #1 of 2017
NFIP: Cumulative Substantial Damages	No	-	-	-
NFIP: Freeboard	Yes	State, Local	Otsego County Code Enforcement	State-mandated BFE+2 for all construction, both residential and non-residential
Growth Management Ordinances	No	-	-	-
Site Plan Review Requirements	No	-	-	-
Stormwater Management Ordinance	No	-	-	-
Municipal Separate Storm Sewer System (MS4)	No	-	-	-
Natural Hazard Ordinance	No	-	-	-
Post-Disaster Recovery Ordinance	No	-	-	-
Real Estate Disclosure Requirement	Yes	State	NYS Department of State, Real Estate Agent	NYS mandate, Property Condition Disclosure Act, NY Code - Article 14 §460-467
Other (Special Purpose Ordinances [i.e., sensitive areas, steep slope])	No	-	-	-

Administrative and Technical Capability

The table below summarizes potential staff and personnel resources available to the Town of Edmeston.

Table 9.8-6. Administrative and Technical Capabilities

Resources	Is this in place? (Yes or No)	Department/ Agency/Position
Administrative Capability		
Planning Board	Yes	Planning Board
Mitigation Planning Committee	No	-
Environmental Board/Commission	No	-
Open Space Board/Committee	No	-
Economic Development Commission/Committee	No	-
Maintenance programs to reduce risk	No	-
Mutual aid agreements	Yes	Burlington, New Lisbon (Highway)
Technical/Staffing Capability		
Planner(s) or engineer(s) with knowledge of land development and land management practices	No	-
Engineer(s) or professional(s) trained in construction practices related to buildings and/or infrastructure	No	-



Resources	Is this in place? (Yes or No)	Department/ Agency/Position
Planners or engineers with an understanding of natural hazards	No	-
NFIP Floodplain Administrator (FPA)	Yes	County Code Enforcer
Surveyor(s)	No	-
Personnel skilled or trained in GIS and/or Hazards United States (HAZUS) – Multi-Hazards (MH) applications	No	-
Scientist familiar with natural hazards	No	-
Warning systems/services	No	-
Emergency Manager	No	-
Grant writer(s)	No	-
Staff with expertise or training in benefit/cost analysis	No	-
Professionals trained in conducting damage assessments	No	-

Fiscal Capability

The table below summarizes financial resources available to the Town of Edmeston.

Table 9.8-7. Fiscal Capabilities

Financial Resources	Accessible or Eligible to Use (Yes/No)
Community Development Block Grants (CDBG, CDBG-DR)	No
Capital improvements project funding	No
Authority to levy taxes for specific purposes	Yes
User fees for water, sewer, gas, or electric service	Yes
Impact fees for homebuyers or developers of new development/homes	No
Stormwater utility fee	No
Incur debt through general obligation bonds	No
Incur debt through special tax bonds	No
Incur debt through private activity bonds	No
Withhold public expenditures in hazard-prone areas	No
Other federal or state funding programs	No
Open Space Acquisition funding programs	No
Other	No

Community Classifications

The table below summarizes classifications for community programs available to the Town of Edmeston.

Table 9.8-8. Community Classifications

Program	Do you have this? (Yes/No)	Classification (if applicable)	Date Classified (if applicable)
Community Rating System (CRS)	No	-	-
Building Code Effectiveness Grading Schedule (BCEGS)	No	-	-
Public Protection (ISO Fire Protection Classes 1 to 10)	No	-	-



Program	Do you have this? (Yes/No)	Classification (if applicable)	Date Classified (if applicable)
NYSDEC Climate Smart Community	No	-	-
Storm Ready Certification	Yes	Storm Ready County	2015
Firewise Communities classification	No	-	-
Natural disaster/safety programs in/for schools	No	-	-
Organizations with mitigation focus (advocacy group, non-government)	No	-	-
Public education program/outreach (through website, social media)	No	-	-
Public-private partnership initiatives addressing disaster-related issues	No	-	-
Other	No	-	-

Note:

- N/A Not applicable
- NP Not participating
- Unavailable

The classifications listed above relate to the community’s ability to provide effective services to lessen its vulnerability to the hazards identified. These classifications can be viewed as a gauge of the community’s capabilities in all phases of emergency management (preparedness, response, recovery, and mitigation) and are used as an underwriting parameter for determining the costs of various forms of insurance. The CRS class applies to flood insurance while the BCEGS and Public Protection classifications apply to standard property insurance. CRS classifications range on a scale of 1 to 10 with class 1 being the best possible classification, and class 10 representing no classification benefit. Firewise classifications include a higher classification when the subject property is located beyond 1000 feet of a creditable fire hydrant and is within 5 road miles of a recognized Fire Station.

Criteria for classification credits are outlined in the following documents:

- The Community Rating System Coordinators Manual
- The Building Code Effectiveness Grading Schedule (<https://www.isomitigation.com/bcegs/>)
- The ISO Mitigation online ISO’s Public Protection website at <https://www.isomitigation.com/ppc/>
- New York State Climate Smart Communities (<http://www.dec.ny.gov/energy/56876.html>)
- The National Weather Service Storm Ready website at <https://www.weather.gov/stormready/communities>
- The National Firewise Communities website at <http://firewise.org/>

Self-Assessment of Capability

The table below provides an approximate measure of the Town of Edmeston’s capability to work in a hazard mitigation capacity and/or effectively implement hazard mitigation strategies to reduce hazard vulnerabilities.

Table 9.8-9. Self-Assessment Capability for the Municipality

Area	Degree of Hazard Mitigation Capability		
	Limited (If limited, what are your obstacles?)	Moderate	High
Planning and regulatory capability	X - low staffing		



Area	Degree of Hazard Mitigation Capability		
	Limited (If limited, what are your obstacles?)	Moderate	High
Administrative and technical capability	X - low staffing		
Fiscal capability	X - low staffing		
Community political capability	X - low staffing		
Community resiliency capability	X - low staffing		
Capability to integrate mitigation into municipal processes and activities	X - low staffing		

National Flood Insurance Program

This section provides specific information on the management and regulation of the regulatory floodplain.

NFIP Floodplain Administrator (FPA)

Anthony Gentile, Otsego County Code Enforcement

National Flood Insurance Program (NFIP) Summary

The following table summarizes the NFIP statistics for the Town of Edmeston.

Table 9.8-10. NFIP Summary

Municipality	# Policies	# Claims (Losses)	Total Loss Payments	# RL Properties	# SRL Properties	# Policies in the 1% Flood Boundary
Town of Edmeston	18	1	\$15,913	0	0	15

Source: FEMA 2018

Notes:

(1) Policies, claims, RL, and SRL statistics provided by FEMA Region 2, and are current as of June 30, 2018. Total number of RL properties does not include SRL properties. Number of claims represents claims closed by July 31, 2018.

Compliance History

The Town of Edmeston is in good standing in the NFIP. According to data from NYS, the town has not received a compliance audit (e.g., Community Assistance Visit [CAV]).

Regulatory

The Flood Damage Prevention Ordinance for the Town of Edmeston was last updated in 2017 and meets state and federal standards. The Town of Edmeston is not a member of the Community Rating System (CRS).

Integration of Hazard Mitigation into Existing and Future Planning Mechanisms

For a community to succeed in reducing long-term risk, hazard mitigation must be integrated into the day-to-day local government operations. As part of this planning effort, each community was surveyed to obtain a better understanding of their community’s progress in plan integration. A summary is provided below. In addition, the community identified specific integration activities that will be incorporated into municipal procedures, which is also indicated below.



Planning

Existing Integration

The Town of Edmeston has a Comprehensive Plan that guides decision making within the town.

Opportunities for Future Integration

The Town of Edmeston will consider hazards when updating existing plans or writing new planning documents.

Regulatory and Enforcement (Ordinances)

Existing Integration

Zoning Ordinance: The Town of Edmeston Zoning Ordinance is designed to lessen congestion in the streets; to secure safety from fire, flood, and other dangers; to promote health and general welfare; to prevent overcrowding of land; to avoid undue concentration of population; and to facilitate adequate provision of transportation, water, sewerage, schools, parks, and other public requirements.

Opportunities for Future Integration

The Town of Edmeston will consider hazards when updating existing ordinances or writing new ordinances.

Operational and Administration

Existing Integration

Highway Department: The Town Highway Department is responsible for general maintenance of all town-dedicated roads. This includes paving and sealing, cleaning ditches, tree and brush trimming in the town rights-of-way, mowing roadsides and plowing and salting during the winter months. In the spring the highway crew clears roads and intersections where needed.

The Town of Edmeston has a Planning Board and Zoning Board of Appeals.

Opportunities for Future Integration

The Town of Edmeston could consider additional staff training opportunities.

Funding

Existing Integration

The Town of Edmeston has not taken advantage of grant opportunities to support hazard mitigation.

Opportunities for Future Integration

The Town of Edmeston could allocate municipal budget and apply for grants to support hazard mitigation projects.

Education and Outreach

Existing Integration

The Town of Edmeston operates a municipal website (<http://www.edmestonny.org/>), which hosts important ordinances and community information.



Opportunities for Future Integration

The Town of Edmeston could continue to develop the municipal website to include information on hazards.

Sheltering, Evacuation, and Temporary Housing

Temporary housing, evacuation routes, and sheltering measures must be in place and available for public awareness to protect residents, mitigate risk, and relocate residents, if necessary, to maintain post-disaster social and economic stability.

Evacuation and Sheltering Needs

The Town of Edmeston has identified the following emergency shelters:

- **School: North Street.** The School has a capacity of 800, can accommodate pets, is Americans with Disabilities Act (ADA)-compliant, and is capable of providing first aid.
- **Fire Department: East Street.** The Fire department has a capacity of 100, can accommodate pets, is ADA-compliant, and is capable of providing first aid, heat, and food.
- **Highway Garage**

The town has not established evacuation routes or evacuation procedures. During an emergency event, the Town of Edmeston works with and follows the guidance of Otsego County to establish emergency evacuation routes.

Temporary and Permanent Housing

The Town of Edmeston has not identified potential sites for the placement of temporary housing for residents displaced by a disaster or potential sites suitable for relocating houses of the floodplain and/or building new homes once properties in the floodplain are acquired. After an emergency event, the Town of Edmeston would work with Otsego County to identify appropriate sites for the placement of temporary and permanent housing.

9.8.6 Mitigation Strategy and Prioritization

This section discusses past mitigations actions and status and describes proposed hazard mitigation initiatives and their prioritization.

Past Mitigation Initiative Status

The following table indicates progress on the community’s mitigation strategy identified in the 2013 Hazard Mitigation Plan (HMP). Actions that are carried forward as part of this plan update are included in the following subsection in its own table with prioritization. Previous actions that are now ongoing programs and capabilities are indicated as such in the following table and may also be found under “Capability Assessment” presented previously in this annex.



Table 9.8-11. Status of Previous Mitigation Actions

Project #	Project	Hazard(s) Addressed	Brief Summary of the Original Problem	Responsible Party	Status (In Progress, Ongoing Capability, No Progress, Complete)	Evaluation of Success (if project status is complete)		Next Steps 1. Project to be included in 2021 HMP or Discontinue 2. If including action in the 2021 HMP, revise/reword to be more specific (as appropriate). 3. If discontinue, explain why.
						Cost	Level of Protection	
1	Purchase of Trailer-Mounted Generators and trailers. Generators are needed at various public facilities, in the event of disaster, they will supply backup power to facilities and ancillary operations such as Public Works, Police Dept. and Fire Department.	Flood, Tornado, Hurricane, Earthquake, Landslide, Extreme Temperature	Backup power sources needed	Town of Edmeston, Town Supervisor	No Progress	Cost		1. Discontinue 2. 3. New project for permanent generator for highway garage
						Level of Protection		
						Damages Avoided; Evidence of Success		
2	Purchase 1 truck (plow/sander).	Flood, Winter Storm, Tornado, Dam Failure	2013 HMP did not identify a problem	Highway Superintendent	No Progress	Cost		1. Discontinue 2. 3. No longer a priority
						Level of Protection		
						Damages Avoided; Evidence of Success		
3	Purchase radio equipment to replace outdated equipment.	Flood, Tornado, Hurricane, Extreme Temperature	Radio equipment is outdated	Town Superintendent	No Progress	Cost		1. Discontinue 2. 3. No longer a priority
						Level of Protection		
						Damages Avoided; Evidence of Success		
4	Develop, coordinate, and implement a program to identify public or private land to place temporary short-term and long-term housing units for residents displaced by a disaster.	Flood	Temporary housing locations must be established	Emergency Services, Public Works, Hazard Mitigation Committee Rep.	No Progress	Cost		1. Discontinue 2. 3. Work being conducted by the county
						Level of Protection		
						Damages Avoided; Evidence of Success		
5	Develop, coordinate, and implement a program to protect critical facilities to the 500-year flood before, during, and following a flood event.	Flood	Critical facilities need to be protected to the 500-year flood level	Emergency Services, Public Works, Hazard Mitigation Committee Rep.	No Progress	Cost		1. Discontinue 2. 3. Identified in other actions. (Fire Department and Highway Garage)
						Level of Protection		
						Damages Avoided; Evidence of Success		



Completed Mitigation Initiatives Not Identified in the Previous Mitigation Strategy

The Town of Edmeston has performed ongoing maintenance projects to reduce the impact of flooding but has not identified specific mitigation projects/activities that have been completed but were not identified in the previous mitigation strategy in the 2013 HMP.

Proposed Hazard Mitigation Initiatives for the Plan Update

Table 9.8-12 summarizes the comprehensive-range of specific mitigation initiatives the Town of Edmeston would like to pursue in the future to reduce the effects of hazards. Some of these initiatives may be previous actions carried forward for this plan update. These initiatives are dependent upon available funding (grants and local match availability) and may be modified or omitted at any time based on the occurrence of new hazard events and changes in municipal priorities. Both the four FEMA mitigation action categories and the six CRS mitigation action categories are listed in the table below to further demonstrate the wide-range of activities and mitigation measures selected.

As discussed in Section 6, 14 evaluation/prioritization criteria are used to complete the prioritization of mitigation initiatives. For each new mitigation action, a numeric rank is assigned (-1, 0, or 1) for each of the 14 evaluation criteria to assist with prioritizing your actions as “High”, “Medium”, or “Low.” The table below summarizes the evaluation of each mitigation initiative, listed by Action Number.

Table 9.8-13 provides a summary of the prioritization of all proposed mitigation initiatives for the plan update.



Table 9.8-12. Proposed Hazard Mitigation Initiatives

Project Number	Project Name	Goals Met	Hazard(s) to be Mitigated	Description of Problem	Description of Solution	Critical Facility (Yes/No)	EHP Issues	Estimated Timeline	Lead Agency	Estimated Costs	Estimated Benefits	Potential Funding Sources	Priority	Mitigation Category/CRS Category
T. Edmeston-1	Protect West Edmeston Fire Department to the 500-year flood level	2	Flood	Problem: The Fire Department is located in the 100-year floodplain	Solution: The town will work with the facilities manager and discuss options for protecting the facility to the 500-year flood level. The town will then implement the selected action.	Yes	None	1 year	Facilities Manager, Town	\$1,500	Fire Department protected to the 500-year flood level	HMGP, PDM	High	SIP/PP
T. Edmeston-2	Protect the Post Office to the 500-year flood level	2	Flood	Problem: The Post Office is located in the 100-year floodplain. The town does not have jurisdiction over the facility.	Solution: The town will contact the facilities manager and discuss options for protecting the facility to the 500-year flood level	Yes	None	6 months	Facilities Manager, Town	<\$100	Post Office protected to the 500-year flood level	HMGP	High	EAP/PI
T. Edmeston-3	Generator for Highway Garage	2	All hazards	Problem: The Highway Garage is a critical facility. The Garage lacks a backup power source.	Solution: The Highway Department will determine the appropriately sized generator and purchase and install.	Yes	None	1 year	Highway Department	\$30,000	Highway Garage protected from power loss.	HMGP, PDM	High	SIP/PP
T. Edmeston-4	Dutch Valley Road culvert	2	Flood, Severe Storm	Problem: Dutch Valley Road has experienced numerous damaging flood and flash flood events, many attributed to an undersized and damaged culvert	Solution: The town will conduct a culvert upgrade from a 5'x5.5'x37' to a 16' wide concrete, three-sided box culvert.	No	None	1 year	Highway Department	\$200,000	Reduction in flooding.	HMGP, PDM	High	SIP/SP
T. Edmeston-5	Heap Road culvert	2	Flood, Severe Storm	Problem: Heap Road has experienced numerous damaging flood and flash flood events, many attributed to an undersized and damaged culvert	Solution: The town will conduct a culvert upgrade from a 5'x5.5'x37' to a 16' wide concrete, three-sided box culvert.	No	None	1 year	Highway Department	\$200,000	Reduction in flooding.	HMGP, PDM	High	SIP/SP
T.	Flood Study of		Flood	Problem: South Street, Walt Davis Rd.		No	None	5 years	Town	\$10,000	Identification	HMGP,	High	LPR/



Table 9.8-12. Proposed Hazard Mitigation Initiatives

Project Number	Project Name	Goals Met	Hazard(s) to be Mitigated	Description of Problem	Description of Solution	Critical Facility (Yes/No)	EHP Issues	Estimated Timeline	Lead Agency	Estimated Costs	Estimated Benefits	Potential Funding Sources	Priority	Mitigation Category/ CRS Category
Edmeston-6	flood-prone areas			Downtown, North St. Edmeston, and State Route 8 were identified as flood-prone areas.	Solution: The town will conduct flood studies to determine the causes of flooding and possible mitigation actions that can reduce flood risk.				Board		of flood source	municipal budget		PR

Notes:

Not all acronyms and abbreviations defined below are included in the table.

*Does this mitigation initiative reduce the effects of hazards on new and/or existing buildings and/or infrastructure? Not applicable (N/A) is inserted if this does not apply.

Acronyms and Abbreviations:

- CAV Community Assistance Visit
- CRS Community Rating System
- DPW Department of Public Works
- FEMA Federal Emergency Management Agency
- FPA Floodplain Administrator
- HMA Hazard Mitigation Assistance
- N/A Not applicable
- NFIP National Flood Insurance Program
- OEM Office of Emergency Management

Potential FEMA HMA Funding Sources:

- FMA Flood Mitigation Assistance Grant Program
- HMGP Hazard Mitigation Grant Program
- PDM Pre-Disaster Mitigation Grant Program

Timeline:

The time required for completion of the project upon implementation

Cost:

The estimated cost for implementation

Benefits:

A description of the estimated benefits, either quantitative and/or qualitative

Mitigation Category:

- Local Plans and Regulations (LPR) – These actions include government authorities, policies, or codes that influence the way land and buildings are being developed and built.
- Structure and Infrastructure Project (SIP) - These actions involve modifying existing structures and infrastructure to protect them from a hazard or remove them from a hazard area. This could apply to public or private structures as well as critical facilities and infrastructure. This type of action also involves projects to construct manmade structures to reduce the impact of hazards.
- Natural Systems Protection (NSP) – These are actions that minimize damage and losses, and also preserve or restore the functions of natural systems.
- Education and Awareness Programs (EAP) – These are actions to inform and educate citizens, elected officials, and property owners about hazards and potential ways to mitigate them. These actions may also include participation in national programs, such as StormReady and Firewise Communities.

CRS Category:

- Preventative Measures (PR) - Government, administrative or regulatory actions, or processes that influence the way land and buildings are developed and built. Examples include planning and zoning, floodplain local laws, capital improvement programs, open space preservation, and storm water management regulations.
- Property Protection (PP) - These actions include public activities to reduce hazard losses or actions that involve (1) modification of existing buildings or structures to protect them from a hazard or (2) removal of the structures from the hazard area. Examples include acquisition, elevation, relocation, structural retrofits, storm shutters, and shatter-resistant glass.





- *Public Information (PI) - Actions to inform and educate citizens, elected officials, and property owners about hazards and potential ways to mitigate them. Such actions include outreach projects, real estate disclosure, hazard information centers, and educational programs for school-age children and adults.*
- *Natural Resource Protection (NR) - Actions that minimize hazard loss and also preserve or restore the functions of natural systems. These actions include sediment and erosion control, stream corridor restoration, watershed management, forest and vegetation management, and wetland restoration and preservation.*
- *Structural Flood Control Projects (SP) - Actions that involve the construction of structures to reduce the impact of a hazard. Such structures include dams, setback levees, floodwalls, retaining walls, and safe rooms.*
- *Emergency Services (ES) - Actions that protect people and property during and immediately following a disaster or hazard event. Services include warning systems, emergency response services, and the protection of essential facilities.*

Critical Facility:


- Yes  - Critical Facility located in 1% floodplain



Table 9.8-13. Summary of Prioritization of Actions

Project Number	Project Name	Life Safety	Property Protection	Cost-Effectiveness	Technical	Political	Legal	Fiscal	Environmental	Social	Administrative	Multi-Hazard	Timeline	Agency Champion	Other Community Objectives	Total	High/Medium/Low
T. Edmeston-1	Protect West Edmeston Fire Department to the 500-year flood level	1	1	1	1	1	1	0	1	1	1	0	1	1	1	12	High
T. Edmeston-2	Protect the Post Office to the 500-year flood level	0	1	1	1	1	0	1	1	1	1	0	1	1	1	11	High
T. Edmeston-3	Generator for Highway Garage	1	1	1	1	1	1	0	1	1	1	1	1	1	1	13	High
T. Edmeston-4	Dutch Valley Road culvert	1	1	1	1	1	1	0	1	1	1	1	1	1	1	13	High
T. Edmeston-5	Heap Road culvert	1	1	1	1	1	1	0	1	1	1	1	1	1	1	13	High
T. Edmeston-6	Flood Study of flood-prone areas	1	1	0	1	1	1	0	1	1	1	0	0	1	1	10	High

Note: Section 6 (Mitigation Strategy) conveys guidance on prioritizing mitigation actions. Low (0-4), Medium (5-8), High (9-14).



9.8.7 Future Needs to Better Understand Risk/Vulnerability

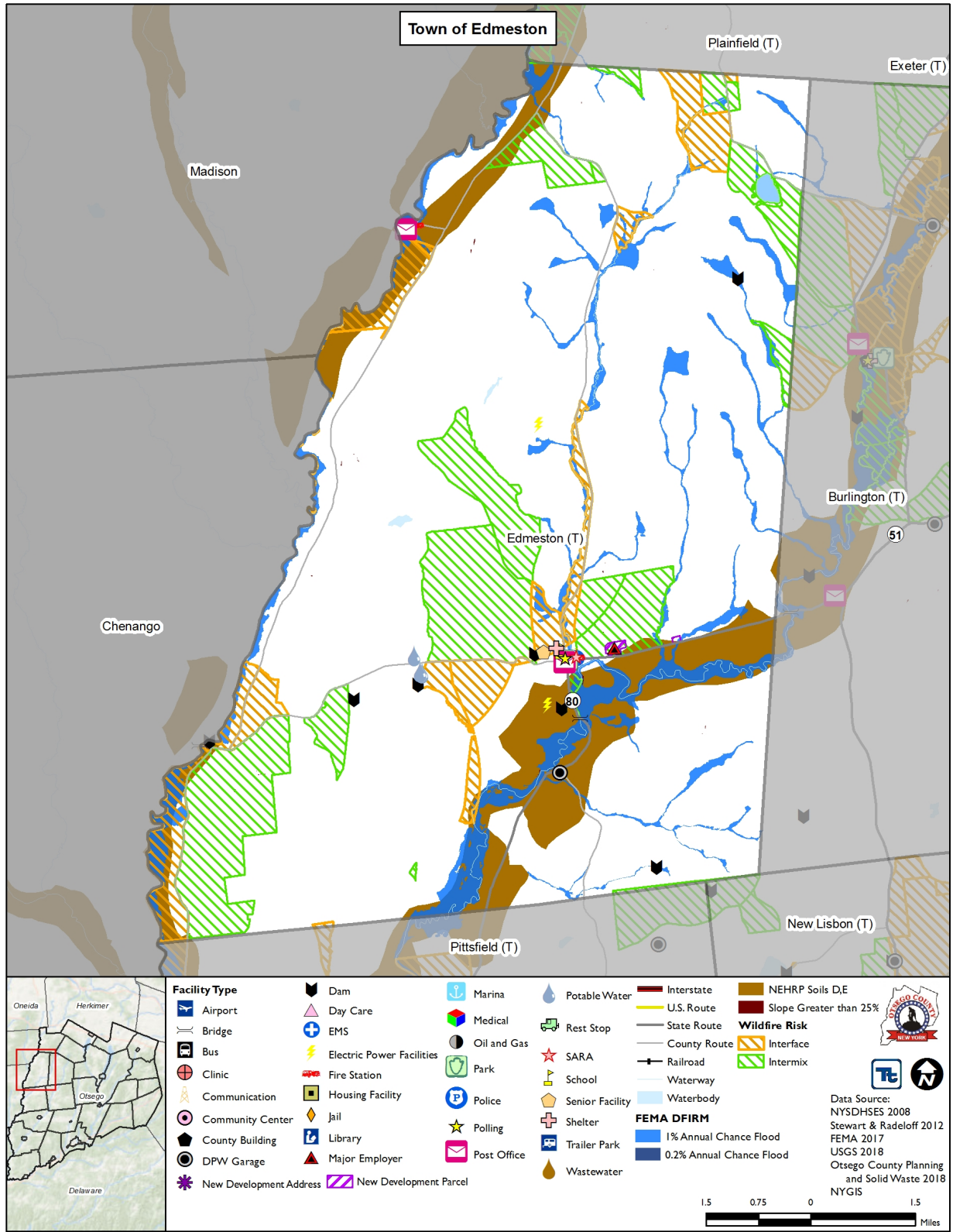
None at this time.

9.8.8 Hazard Area Extent and Location

A hazard area extent and location map has been generated for the Town of Edmeston that illustrates the probable areas impacted within the municipality. This map is based on the best available data at the time of the preparation of this plan and is considered to be adequate for planning purposes. A map has only been generated for those hazards that can be clearly identified using mapping techniques and technologies, and for which the Town of Edmeston has significant exposure. The map is illustrated below.



Figure 9.8-1. Town of Edmeston Hazard Area Extent and Location Map





9.8.9 Staff and Local Stakeholder Involvement in Annex Development

The Town of Edmeston followed the planning process described in Section 3 (Planning Process) in Volume I of this plan update. This annex was developed over the course of several months with input from many town departments, including Supervisor and Clerk. The Supervisor represented the community on the Otsego County Hazard Mitigation Plan Planning Partnership, Steering Committee, and supported the local planning process requirements by securing input from persons with specific knowledge to enhance the plan. All departments were asked to contribute to the annex development through reviewing and contributing to the capability assessment, reporting on the status of previously identified actions, and participating in action identification and prioritization.

Additional documentation on the municipality’s planning process through Planning Partnership meetings is included in Section 3 (Planning Process) and Appendix C (Meeting Documentation).

9.8.10 Additional Comments

None at this time.



Town of Edmeston Action Worksheet			
Project Name:	Protect the West Edmeston Fire Department to the 500-year flood level		
Project Number:	T. Edmeston-1		
Risk/Vulnerability			
Hazard(s) of Concern:	Flood		
Description of the Problem:	<i>The West Edmeston Fire Department is located within the 100-year floodplain. The facility needs to be protected to the 500-year flood level.</i>		
Action or Project Intended for Implementation			
Description of the Solution:	The town will work with the facilities manager and discuss options for protecting the facility to the 500-year flood level. Options include elevation, flood walls, and flood-proofing. The town will then implement the selected action.		
Is this project related to a Critical Facility?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Is this project related to a Critical Facility located within the 100-year floodplain?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
(If yes, this project must intend to protect the 500-year flood event or the actual worse case damage scenario, whichever is greater)			
Level of Protection:	500-year	Estimated Benefits (losses avoided):	Reduction in flood risk up to 500-year level
Useful Life:	30-50 years	Goals Met:	2
Estimated Cost:	\$1,500	Mitigation Action Type:	Structure and Infrastructure Project
Plan for Implementation			
Prioritization:	High	Desired Timeframe for Implementation:	1 year
Estimated Time Required for Project Implementation:	1 year	Potential Funding Sources:	HMGP, PDM
Responsible Organization:	Fire Department	Local Planning Mechanisms to be Used in Implementation if any:	
Three Alternatives Considered (including No Action)			
Alternatives:	Action	Estimated Cost	Evaluation
	No Action	\$0	Problem continues.
	Relocation	N/A	Fire station cannot be relocated
	Remove structure. Shared services with neighboring town	N/A	Reduced emergency response time
Progress Report (for plan maintenance)			
Date of Status Report:			
Report of Progress:			
Update Evaluation of the Problem and/or Solution:			



Action Worksheet		
Project Name:	Protect the West Edmeston Fire Department to the 500-year flood level	
Project Number:	T. Edmeston-1	
Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	Project will protect critical functions of fire department
Property Protection	1	Project will protect the Fire Department from flood damages
Cost-Effectiveness	1	
Technical	1	
Political	1	
Legal	1	Town has the legal authority to complete the project.
Fiscal	0	Project will require fiscal assistance
Environmental	1	
Social	1	
Administrative	1	
Multi-Hazard	0	Flood
Timeline	1	
Agency Champion	1	
Other Community Objectives	1	Protection of critical facilities
Total	12	
Priority (High/Med/Low)	High	



Town of Edmeston Action Worksheet			
Project Name:	Generator for Highway Garage		
Project Number:	T. Edmeston-3		
Risk/Vulnerability			
Hazard(s) of Concern:	All Hazards		
Description of the Problem:	<i>The Highway Garage is a critical facility. The Garage lacks a backup power source.</i>		
Action or Project Intended for Implementation			
Description of the Solution:	The Highway Department will determine the appropriate sized generator and purchase and install with necessary electrical components.		
Is this project related to a Critical Facility?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Is this project related to a Critical Facility located within the 100-year floodplain?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
(If yes, this project must intend to protect the 500-year flood event or the actual worse case damage scenario, whichever is greater)			
Level of Protection:		Estimated Benefits (losses avoided):	Highway Garage protected from power loss.
Useful Life:	30 years	Goals Met:	2
Estimated Cost:	\$30,000	Mitigation Action Type:	Structure and Infrastructure Project
Plan for Implementation			
Prioritization:	High	Desired Timeframe for Implementation:	1 year
Estimated Time Required for Project Implementation:	1 year	Potential Funding Sources:	HMGP, PDM
Responsible Organization:	Highway Department	Local Planning Mechanisms to be Used in Implementation if any:	
Three Alternatives Considered (including No Action)			
Alternatives:	Action	Estimated Cost	Evaluation
	No Action	\$0	Problem continues.
	Solar panels	\$30,000	Weather dependent
	Wind turbine	\$20,000	Weather dependent
Progress Report (for plan maintenance)			
Date of Status Report:			
Report of Progress:			
Update Evaluation of the Problem and/or Solution:			



Action Worksheet		
Project Name:	Generator for Highway Garage	
Project Number:	T. Edmeston-3	
Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	Project allows Highway Garage critical functions to protect life.
Property Protection	1	Project allows Highway Garage critical functions to protect area properties.
Cost-Effectiveness	1	
Technical	1	
Political	1	
Legal	1	The town has the legal authority to conduct the project.
Fiscal	0	Project requires funding support.
Environmental	1	
Social	1	
Administrative	1	
Multi-Hazard	1	All hazards
Timeline	1	
Agency Champion	1	Highway Department
Other Community Objectives	1	Protection of critical facilities
Total	13	
Priority (High/Med/Low)	High	