



9.3 VILLAGE OF BROCKPORT

This section presents the jurisdictional annex for the Village of Brockport.

9.3.1 Hazard Mitigation Plan Point of Contact

These individuals are the hazard mitigation plan's primary and alternate points of contact.

Primary Point of Contact	Alternate Point of Contact
David Miller, Building Inspector/Code Enforcement Officer / Fire Marshal 49 State Street, Brockport, NY 14420 Office: 585-637-5300 x14 Cell: 585-435-5720 dmiller@brockportny.org	John Lapierre, Trustee 49 State Street, Brockport, NY 14420 585-637-5300 x63 jlapierre@brockportny.org

9.3.2 Municipal Profile

The Village of Brockport is in the northwestern quadrant of Monroe County in the Towns of Sweden and Clarkson. The Village was incorporated in 1829 and grew in stature as a port along the Erie Canal. Today, the Village is home to the College at Brockport, State University of New York, numerous historic sites, and an active waterfront along the Erie Canal. According to the 2010 U.S. Census, the Village has a population of 8,366, and an area of 2.2 square miles, 0.1 of which is covered by water.

Growth/Development Trends

Table 9.3-1 summarizes recent residential/commercial development since 2010 to present and any known or anticipated major residential/commercial development and major infrastructure development identified for next 5 years. Refer to the maps in Section 9.8.8 of this annex that illustrate the flood, landslide, and wildfire hazard areas.

Table 9.3-1. Growth and Development

Property or Development Name	Type (e.g. Res., Comm.)	# of Units / Structures	Location (address and/or Parcel ID)	Known Hazard Zones	Description/Status of Development
Recent Development from 2010 to present					
Sunflower Landing	Res.	10	Anita's Lane and Laurie Crescent	Flood Zone A	Phase II of development
McCormick Place	Res.	4	McCormick Lane and Cyrus Way	N/A	Further development on hold
Remington Woods	Res.	4	Cailyn Way and Briar Rose Lane	N/A	Construction Phase
Known or Anticipated Development in the Next Five (5) Years					
None reported.					

* Only location-specific hazard zones or vulnerabilities identified.

9.3.3 Natural Hazard Event History Specific to the Municipality

Monroe County has a history of natural and non-natural hazard events as detailed in Volume I, Section 5.0 of this plan. A summary of historical events is in each of the hazard profiles and includes a chronology of events that affected the County and its municipalities. For this plan update, to the extent possible, all events that have



occurred in the County were summarized to indicate the range and impact of hazards in the community. Information regarding specific damages is included, if available, based on reference material or local sources. This information is in Table 9.3-2. For details of these and additional events, refer to Volume I, Section 5.0 of this plan.

Table 9.3-2. Hazard Event History

Dates of Event	Event Type	FEMA Declaration # (If Applicable)	County Designated?	Summary of Damages/Losses
May 8, 2010	High Wind	N/A	N/A	There were 2 DPW Employees called in to clear downed tree limbs. Cost 11 hours of O.T.
April 26 - May 8, 2011	Severe Storms, Flooding, Tornadoes, and Straight-line Winds	DR-1993	No	A total of 59 hrs. among three DPW employees, spent on debris cleanup and storm sewer flushing
January 17, 2012	High Wind	N/A	N/A	There was 2.5 hrs. of overtime worked by two DPW employees cleaning up limbs
June 26 - July 11, 2013	Severe Storms and Flooding	DR-4129	No	Total of 25 hrs. spent sweeping streets and limb cleanup
March 12, 2014	Blizzard	N/A	N/A	Total of 77.5 hours spent on snow removal by 7 DPW employees
May 13-22, 2014	Severe Storms and Flooding	DR-4180	No	Total of 24.5 hours worked on street sweeping and debris removal
November 17-26, 2014	Severe Winter Storm, Snowstorm, and Flooding	DR-4204	No	Total of 25.5 hours spent on plowing and salting by seven DPW employees

9.3.4 Hazard Vulnerabilities and Ranking

The hazard profiles in Section 5.0 of this plan have detailed information regarding each plan participant's vulnerability to the identified hazards. The following summarizes the hazard vulnerabilities and their ranking in the Village of Brockport. For additional vulnerability information relevant to this jurisdiction, refer to Section 5.0.

Hazard Risk/Vulnerability Risk Ranking

Table 9.3-3 summarizes the hazard risk/vulnerability rankings of potential hazards for the Village of Brockport. The hazards of concern for the Village are those with a High hazard ranking.

Table 9.3-3. Hazard Risk/Vulnerability Risk Ranking

Hazard type	Estimate of Potential Dollar Losses to Structures Vulnerable to the Hazard ^{a, c}	Probability of Occurrence	Risk Ranking Score (Probability x Impact)	Hazard Ranking ^b
Landslide	Exposed: \$2,035,910,815	Frequent	48	High
Severe Storm	Expected Losses from Wind Alone: \$0	Frequent	48	High
Wildfire	Exposed Value in the WUI: \$1,246,686,115	Frequent	48	High
Utility Failure	Damage Estimate Not Available	Frequent	39	High
Extreme Temperature	Damage Estimate Not Available	Frequent	36	High
Infestation	Damage Estimate Not Available	Frequent	36	High
Severe Winter Storm	1% Damage Loss Estimate: \$11,631,623 5% Damage Loss Estimate: \$58,158,113 10% Damage Loss Estimate: \$116,316,225	Frequent	36	High



Hazard type	Estimate of Potential Dollar Losses to Structures Vulnerable to the Hazard ^{a, c}	Probability of Occurrence	Risk Ranking Score (Probability x Impact)	Hazard Ranking ^b
Civil Unrest	Damage Estimate Not Available	Frequent	18	Medium
Flood ^d	1% annual chance: \$0	Frequent	18	Medium
Terrorism	Damage Estimate Not Available	Frequent	18	Medium
Drought	Damage Estimate Not Available	Frequent	12	Low
Earthquake ^{d, e}	100-year MRP GBS: \$0 500-year MRP GBS: \$239,222 2,500-year MRP GBS: \$4,148,946 Annualized: \$3,507	Frequent	12	Low
Hazardous Materials	Damage Estimate Not Available	Occasional	12	Low

Notes:

- 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.
High = Total hazard priority risk ranking score of 31 and above
Medium = Total hazard priority risk ranking of 15-30
Low = Total hazard risk ranking below 15
- 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 and earthquake hazards represent both structure and contents.
- e. The HAZUS-MH earthquake model results are reported by Census Tract.
- MRP Mean return period
GBS General building stock
WUI Wildland-urban interface

National Flood Insurance Program (NFIP) Summary

Table 9.3-4 summarizes the NFIP statistics for the Village of Brockport.

Table 9.3-4. NFIP Summary

Municipality	# Policies (1)	# Claims (Losses) (1)	Total Loss Payments (2)	# Rep. Loss Prop. (1)	# Severe Rep. Loss Prop. (1)	# Policies in 100-year Boundary (3)
Brockport (V)	3	1	\$1,238	0	0	0

Source: FEMA Region 2 2015

Notes:

- (1) Policies, claims, repetitive loss, and severe repetitive loss statistics provided by FEMA Region 2, and are current as of June 30, 2015. Total number of repetitive loss properties includes severe repetitive loss properties. Number of claims represents claims closed by June 30, 2015.
- (2) Total building and content losses from the claims file provided by FEMA Region 2.
- (3) Number of policies inside and outside of flood zones is based on latitude and longitude provided by FEMA Region 2 in the policy file. FEMA noted that for a property with more than one entry, more than one policy may have been in force or more than one Geographic Information System (GIS) specification was possible.

Number of policies and claims, and claims total, exclude properties outside Monroe County boundary, based on provided latitude and longitude coordinates.

C City
T Town
V Village

Critical Facilities

Table 9.3-5 presents HAZUS-MH estimates of the damage and loss of use to critical facilities in the community as a result of a 1- and 0.2-percent annual chance flood events.



Table 9.3-5. Potential Flood Losses to Critical Facilities

Name	Type	Exposure		Potential Loss from 1% Flood Event	
		1% Event	0.2% Event	Percent Structure Damage	Percent Content Damage
None identified.					

Source: Monroe County; HAZUS-MH 2.2; FEMA 2015

Note (1): HAZUS-MH 2.2 provides a general indication of the maximum restoration time for 100% operations. Clearly, a great deal of effort is needed to quickly restore essential facilities to full functionality; therefore this will be an indication of the maximum downtime (HAZUS-MH 2.2 User Manual).

Note (2): In some cases, a facility may be located in the DFIRM flood hazard boundary; however HAZUS did not calculate potential loss. This may be because the depth of flooding does not amount to any damages to the structure according to the depth damage function used in HAZUS for that facility type. Further, HAZUS-MH may estimate potential damage to a facility that is outside the DFIRM because the model generated a depth grid beyond the DFIRM boundaries.

NA Not available

X Facility located in the DFIRM boundary

- Not calculated by HAZUS-MH 2.2

Other Vulnerabilities Identified

The municipality has not identified any additional vulnerabilities within their community.

9.3.5 Capability Assessment

This section identifies the 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

Table 9.3-6 summarizes the regulatory tools that are available to the Village of Brockport.

Table 9.3-6. 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				
Master Plan	No	-	-	-
Capital Improvements Plan	Yes	Local		Draft
Floodplain Management / Basin Plan	8/18/08	Local	Code Enforcement Official	CH. 20
Stormwater Management Plan	10/6/08	Local	Code Enforcement Official	CH. 27



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.)
Open Space Plan	No	-	-	-
Stream Corridor Management Plan	No	-	-	-
Watershed Management or Protection Plan	No	-	-	-
Economic Development Plan	No	-	-	-
Comprehensive Emergency Management Plan	In Process	Local	Fire District	Clarkson, Sweden, Brockport
Emergency Response Plan	1/22/13; 2015	Local	Mayor	Emergency Operations Plan
Post-Disaster Recovery Plan	No	-	-	-
Transportation Plan	No	-	-	-
Strategic Recovery Planning Report	No	-	-	-
Other Plans:	No	-	-	-
Regulatory Capability				
Building Code	6/17/54	Local	Code Enforcement	Building Construction Chapter 10; Building Construction Administration Chapter 11
Zoning Ordinance	12/21/59	Local	Code Enforcement	Zoning Chapter 58
Subdivision Ordinance	3/2/70	Local	Code Enforcement	Land Subdivision Regulations Chapter 26
NFIP Flood Damage Prevention Ordinance	8/18/08	Local	Code Enforcement	Flood Damage Prevention Chapter 20
NFIP: Cumulative Substantial Damages	No	-	-	-
NFIP: Freeboard	Yes	State, Local	-	State mandated Base Flood Elevation (BFE)+2 for single and two-family residential construction, BFE+1 for all other construction types
Growth Management Ordinances	No	-	-	-
Site Plan Review Requirements	12/21/59	Local	Code Enforcement	Zoning Chapter Section 12
Stormwater Management Ordinance	10/6/08	Local	Code Enforcement	Stormwater Management and Erosion Sediment and Control Chapter 27
Municipal Separate Storm Sewer System (MS4)	10/6/08	Local	Code Enforcement	Stormwater Management and Erosion Sediment and Control Chapter 27
Natural Hazard Ordinance	No	-	-	-
Post-Disaster Recovery Ordinance	No	-	-	-
Real Estate Disclosure Requirement	Yes	-	-	NYS mandate, Property Condition Disclosure Act, NY Code - Article 14 §460-467
Other [Special Purpose Ordinances (i.e., sensitive areas, steep slope)]	Yes	County	-	Shared Services Agreement

Administrative and Technical Capability





Table 9.3-7 summarizes potential staff and personnel resources available to the Village of Brockport.

Table 9.3-7. Administrative and Technical Capabilities

Resources	Is this in place? (Yes or No)	Department/ Agency/Position
Administrative Capability		
Planning Board	Yes	Building/Codes
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	Brockport Fire District
Technical/Staffing Capability		
Planners or Engineers with knowledge of land development and land management practices	Yes	Chatfield Engineers
Engineers or Professionals trained in construction practices related to buildings or infrastructure	Yes	Building/Codes
Planners or engineers with an understanding of natural hazards	No	-
NFIP Floodplain Administrator	Yes	Building/Code
Surveyors	No	-
Personnel skilled or trained in GIS and/or HAZUS-MH applications	No	-
Scientist familiar with natural hazards	No	-
Emergency Manager	Yes	Mayor
Grant Writers	Yes	J. O'connell Assoc.
Staff with expertise or training in benefit/cost analysis	No	-
Professionals trained in doing damage assessments	No	-

Fiscal Capability

Table 9.3-8 summarizes financial resources available to the Village of Brockport.

Table 9.3-8. Fiscal Capabilities

Financial Resources	Accessible or Eligible to Use (Yes/No)
Community development Block Grants (CDBG, CDBG-DR)	Not available for hazard mitigation.
Capital Improvements Project Funding	Not available for hazard mitigation.
Authority to Levy Taxes for specific purposes	Not available for hazard mitigation.
User fees for water, sewer, gas or electric service	Not available for hazard mitigation.
Impact Fees for homebuyers or developers of new development/homes	Not available for hazard mitigation.
Stormwater Utility Fee	Not available for hazard mitigation.
Incur debt through general obligation bonds	Not available for hazard mitigation.
Incur debt through special tax bonds	Not available for hazard mitigation.
Incur debt through private activity bonds	Not available for hazard mitigation.



Financial Resources	Accessible or Eligible to Use (Yes/No)
Withhold public expenditures in hazard-prone areas	Not available for hazard mitigation.
Other Federal or State Funding Programs	Not available for hazard mitigation.
Open Space Acquisition Funding Programs	Not available for hazard mitigation.
Other	

Community Classifications

Table 9.3-9 summarizes classifications for community program available to the Village of Brockport.

Table 9.3-9. 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)	N/A	-	-
Public Protection (Insurance Services Office [ISO] Fire Protection Classes 1 to 10)	Yes	04/4Y	5/14
Storm Ready	Yes	StormReady County	-
Firewise	N/A	-	-
Disaster/Safety Programs in/for Schools	-	-	-
Organizations with Mitigation Focus (advocacy group, non-government)	-	-	-
Public Education Program/Outreach (through website, social media)	-	-	-
Public-Private Partnerships	-	-	-

N/A = Not applicable. NP = Not participating. - = Unavailable. TBD = To be determined.

The classifications in Table 9.3-9 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 classification is higher if the subject property is more than 1000 feet from a creditable fire hydrant and is within 5 road miles of a recognized Fire Station.

Criteria for classification credits are in:

- The Community Rating System Coordinators Manual
- The Building Code Effectiveness Grading Schedule
- The ISO Mitigation online ISO's Public Protection website at <https://www.isomitigation.com/ppc/>
- The National Weather Service Storm Ready website at <http://www.stormready.noaa.gov/index.html>
- The National Firewise Communities website at <http://firewise.org/>



Self-Assessment of Capability

Table 9.3-10 has an approximate measure of the Village of Brockport's capability to work in a hazard-mitigation capacity or effectively implement hazard mitigation strategies to reduce hazard vulnerabilities.

Table 9.3-10. 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	
Administrative and Technical Capability		X	
Fiscal Capability		X	
Community Political Capability		X	
Community Resiliency Capability		X	
Capability to Integrate Mitigation into Municipal Processes and Activities.		X	

National Flood Insurance Program

NFIP Floodplain Administrator (FPA)

Building and Code Enforcement Officer/ Fire Marshal/ Stormwater Manager

Flood Vulnerability Summary

The Village does not maintain lists/inventories of properties flood damaged in past events, nor does it make substantial damage estimates. No structures in the Village were damaged during Floyd, Irene, Sandy or other past natural hazard events and, therefore, no substantial damage estimates were made. Because there is no history of damage, there are no property owners in the Village who are currently in the process of mitigation (elevation or acquisition) or who have expressed interested in mitigation activities in the future.

Resources

The Village FPA is the sole person assuming the responsibilities of floodplain administration that primarily consists of doing permit reviews, inspections, and record keeping. The Village does not currently provide any outreach of educations to educate residents regarding flood hazards/risk, and flood risk reduction through NFIP insurance, mitigation, etc.

The Village FPA did not identify any barriers to running an effective floodplain management program in the Village of Brockport, and feels that he is adequately supported and trained to fulfill the responsibilities of municipal Floodplain Administrator. The Village FPA expressed interest in attending continuing education and certification training on floodplain management if it were offered in the County for all local floodplain administrators.

Compliance History

As of June 30, 2015, there are three policies in force in the Village of Brockport, none of which are in the 100-year flood boundary. There are no repetitive loss or severe repetitive loss properties in the Village. Since 1978, only one claim, \$1,238, has been paid in the Village. According to the NFIP Policy Statistics report available at the time of this plan, the policies in the Village of Brockport insure \$841,000 of property with annual insurance premiums of \$2,397.



According to the NFIP Community Status Book, the Village is in good-standing with the NFIP program. The Floodplain Administrator does not know when the most recent compliance audit was done.

Regulatory

The Village's Flood Damage Prevention Ordinance (FDPO) was adopted and last reviewed in August 2008 and is Chapter 20 of the local code. Floodplain management regulations and ordinances meet, but do not exceed the FEMA and New York State minimum requirements.

The Village has other local plans or programs supporting floodplain management and meeting the NFIP requirements, including the planning board/zoning board function of considering efforts to reduce flood risk when reviewing variances such as height restrictions.

Community Rating System

The Village of Brockport does not participate in the Community Rating System (CRS) program, but may be interested in attending a CRS seminar if offered locally.

Other Capabilities Identified

Previous actions that are now on-going programs and capabilities (Refer to Table 9.3-11):

- The Village is currently working on the possibility of adopting its own Comprehensive Plan
- The Village Department of Code Enforcement:
 - Secured funding to implement new tracking software for enforcing government permitting processes.
 - Enforces Building Code as required for existing and new infrastructure.
 - Administers a Floodplain Management Program.
- The Village DPW:
 - Maintains public infrastructure as part of the Village's normal operations.
 - Installed backup generator power at Village Hall and other critical facilities and will soon be implementing an additional solar array.
- The Village Code Review Committee regularly reviews Local Laws.

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. The community identified specific integration activities that will be incorporated into municipal procedures.

Planning

Land Use Planning: The Village of Brockport has a Planning Board and Zoning Board of Appeals that review all applications for development and consider natural hazard risk areas. Many development activities require additional levels of environmental review, specifically NYS SEQR and Federal NEPA requirements.

Emergency Operations Plan, 2015: The Village recognizes the importance of being well prepared to mitigate and respond to disasters and has developed an emergency operations plan (EOP) to delineate operations, emergency classifications, and departmental/staff responsibilities during a hazard incident.



Regulatory and Enforcement

Building Construction Chapter 10: The building codes are strictly enforced to make new and renovated buildings as prepared as possible for hazard related incidents. The Village complies with New York State Uniform Fire Prevention and Building Code (the Uniform Code) and the State Energy Conservation Construction Code (the Energy Code).

Building Construction Administration Chapter 11: The Village Building Inspector has authority over the administration and enforcement of the State Construction Code, Zoning Ordinance, and other applicable building regulations.

Fire Prevention Chapter 19: The Village Building-Zoning Officer has the authority to administer and enforce the State Fire Prevention Code.

Flood Damage Prevention Chapter 20: This chapter promotes the public health, safety, and general welfare of residents and seeks to minimize public and private losses from floods. The chapter regulates development to promote flood resistant structures and controls the alteration of floodplains to prevent increased vulnerability.

Land Subdivision Regulations Chapter 26: The Village's Planning Board is tasked with site plan/subdivision review. The Planning board pays special attention to ensure that developments mitigate the issues associated stormwater, flooding, and steep slopes.

Stormwater Management and Erosion Sediment and Control Chapter 27: The Village is an MS4 Regulated Community, and has a formal Stormwater Management Plan that specifies projects/actions/initiatives to reduce the volume of stormwater, or otherwise mitigate stormwater flooding. The Village's stormwater management chapter seeks to mediate the adverse impacts of stormwater runoff, erosion, and sedimentation caused by existing drainage systems controls the degradation of water quality in the Village.

Zoning Chapter 58: The Village's zoning code includes districts and standards pertaining to ensuring resident and property safety. While the zoning code does not explicitly focus on hazard areas, it does promote the continued wellbeing of residents. The Village's municipal zoning and subdivision regulations, and site plan review processes, consider natural hazard risk, and require developers to take additional actions to mitigate natural hazard risk (e.g., undergrounding utilities, stormwater detention, creating easements in areas/zones of hazard risk.)

Fiscal

Operating Budget: The Village's operating budget contains minimal provisions for expected repairs like snow removal and infrastructure repair after a storm or natural disaster.

Education and Outreach

Village of Brockport staff attend trainings and classes sponsored by Monroe County Department of Planning and Development, Monroe County Office of Emergency Management, or by state and federal agencies, as able and to meet all professional requirements. Village emergency responders have the option to attend courses at the Monroe County Public Safety Training Facility.

The Village has some hazard education information available to residents on its website. The majority of this information is under the Building/Code Department webpage and covers lead poisoning, mold, stormwater, floodplain, illicit discharge, and fire/safety inspections. Residents have the ability to sign up for reverse 911



cell phone notifications of emergency situations through the Monroe County Emergency Communications Department.

9.3.6 Mitigation Strategy and Prioritization

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

Past Mitigation Initiative Status

Table 9.3-11 indicates progress on the community's mitigation strategy identified in the 2011 Plan. Actions that are carried forward as part of this plan update are included in the following subsection in Table 9.3-12 with prioritization. Previous actions that are now on-going programs and capabilities are indicated as such in Table 9.3-11 and are in the Capability Assessment section.



Table 9.3-11. Past Mitigation Initiative Status

2011 Mitigation Action	Responsible Party	Status (In progress, No progress, Complete)	Describe Status 1. Please describe what was accomplished and indicate % complete. 2. If there was no progress, indicate what obstacles/delays encountered? 3. If there was progress, how is/was the action being funded (e.g., FEMA HMGP grant, local budget)?	Next Step (Include in 2017 HMP? or Discontinue)	Describe Next Step 1. If including action in the 2017 HMP, revise/reword to be more specific (as appropriate). 2. If discontinue, explain why.
ES-3: Establish an active Recruitment and Retention (of providers) Program.	N/A	No Progress	N/A	Discontinue	Not applicable to Village.
ES-4: Stockpile emergency supplies.	N/A	No Progress	N/A	Discontinue	Not applicable to Village.
ES-5: Solicit "Mutual Aid" agreements.	N/A	No Progress	N/A	Discontinue	Not applicable to Village.
ES-6: Engage emergency service jurisdictions in local municipal government processes.	N/A	No Progress	N/A	Discontinue	Not applicable to Village.
NRP-1: Ensure proper disposal of Hazardous Waste.	N/A	No Progress	N/A	Discontinue	Not applicable to Village.
NRP-2: Enforce government permit processes. This may pertain to existing and/or new infrastructure.	Code Enf.	In progress	Implemented new code tracking software Had to secure additional funding to purchase software.	Discontinue	Integrated into the Village's normal operations. Moved to ongoing capability.
NRP-3: Provide comprehensive inspection services. This may pertain to existing and/or new infrastructure.	Code Enf.	In progress	Updating Certificates of Occupancy that have been expired. Closing out old and expired permits.	Include in 2017 HMP	Continue updating Certificates of Occupancy that have expired, and closing out old and expired inspection permits.
NRP-4: Administer a Floodplain Management Program. This may pertain to existing and/or new infrastructure.	Code Enf.	Complete	Chapter regarding floodplain management already in the local code.	Discontinue	Integrated into the Village's normal operations. Moved to ongoing capability.
NRP-5: Maintain "Urban Forests."	N/A	No Progress	N/A	Discontinue	Not applicable to Village.
PEA-3: Review Utility Service & restoration plans.	N/A	No Progress	N/A	Discontinue	Not applicable to Village.
PEA-4: Identify and use a "Speakers Bureau."	N/A	No Progress	N/A	Discontinue	Not applicable to Village.



2011 Mitigation Action	Responsible Party	Status (In progress, No progress, Complete)	Describe Status 1. Please describe what was accomplished and indicate % complete. 2. If there was no progress, indicate what obstacles/delays encountered? 3. If there was progress, how is/was the action being funded (e.g., FEMA HMGP grant, local budget)?	Next Step (Include in 2017 HMP? or Discontinue)	Describe Next Step 1. If including action in the 2017 HMP, revise/reword to be more specific (as appropriate). 2. If discontinue, explain why.
PP-1: Identify “special hazard” areas.	N/A	No Progress	N/A	Discontinue	Not applicable to Village.
PP-2: Maintain public infrastructure. This may pertain to existing and/or new infrastructure.	DPW	In progress	Maintaining public infrastructure is routine and ongoing.	Discontinue	Integrated into the Village’s normal operations. Moved to ongoing capability.
PP-3: Solicit inter-municipal and interagency cooperation.	N/A	No Progress	N/A	Discontinue	Not applicable to Village.
PP-4: Promote purchase of appropriate hazard insurance policies. This may pertain to existing and/or new infrastructure.	N/A	No Progress	N/A	Discontinue	Not applicable to Village.
PP-5: Property acquisition	N/A	No Progress	N/A	Discontinue	Not applicable to Village.
PR-1: Enforce Building Code as required for existing and new infrastructure.	Code Enf.	In progress	Routine and ongoing.	Discontinue	Integrated into the Village’s normal operations. Moved to ongoing capability.
PR-2: Comply with applicable federal and state regulations.	N/A	No Progress	N/A	Discontinue	Not applicable to Village.
PR-5: Regular review of Local Laws	Code Review Committee	In progress	Routine and ongoing.	Discontinue	Integrated into the Village’s normal operations. Moved to ongoing capability.
SP-1: Disaster “proof” public facilities. This may pertain to existing and/or new infrastructure.	N/A	No Progress	N/A	Discontinue	Not applicable to Village.
SP-2: Secure and provide redundant critical systems and facilities. This may pertain to existing and/or new infrastructure.	N/A	No Progress	N/A	Discontinue	Not applicable to Village.
SP-3: “Target Harden” facilities. This may pertain to existing	N/A	No Progress	N/A	Discontinue	Not applicable to Village.



2011 Mitigation Action	Responsible Party	Status (In progress, No progress, Complete)	Describe Status 1. Please describe what was accomplished and indicate % complete. 2. If there was no progress, indicate what obstacles/delays encountered? 3. If there was progress, how is/was the action being funded (e.g., FEMA HMGP grant, local budget)?	Next Step (Include in 2017 HMP? or Discontinue)	Describe Next Step 1. If including action in the 2017 HMP, revise/reword to be more specific (as appropriate). 2. If discontinue, explain why.
and/or new infrastructure.					
SP-4: Expand fiber telecommunications networks.	N/A	No Progress	N/A	Discontinue	Not applicable to Village.
Dam-PEA-1: Churchville Project. Provide maps of flood plain area to residents who could be affected by a dam failure. This may pertain to existing and/or new infrastructure.	N/A	No Progress	N/A	Discontinue	Not applicable to Village.
Dam-PEA-2: Riga Project. Provide maps of flood plain area to residents who could be affected by a dam failure. This may pertain to existing and/or new infrastructure.	N/A	No Progress	N/A	Discontinue	Not applicable to Village.
EPI-PR-2: Local Project. Provide HIV screening and public education (Democrat & Chronicle, 7-21-03).	N/A	No Progress	N/A	Discontinue	Not applicable to Village.
Fire-ES-1: Local Project. The Henrietta Fire District is developing a Special Operations Unit for Confined Space Rescue, Low and High-Angle Rescue, Water Rescue, and Trench Rescue.	N/A	No Progress	N/A	Discontinue	Not applicable to Village.
Fire-ES-2: Local Project. Continue to provide Emergency Medical Services to the community. The Churchville Volunteer Fire Department is the first responder agency to all	N/A	No Progress	N/A	Discontinue	Not applicable to Village.



2011 Mitigation Action	Responsible Party	Status (In progress, No progress, Complete)	Describe Status 1. Please describe what was accomplished and indicate % complete. 2. If there was no progress, indicate what obstacles/delays encountered? 3. If there was progress, how is/was the action being funded (e.g., FEMA HMGP grant, local budget)?	Next Step (Include in 2017 HMP? or Discontinue)	Describe Next Step 1. If including action in the 2017 HMP, revise/reword to be more specific (as appropriate). 2. If discontinue, explain why.
medical emergencies in our community.					
Fire-PEA-1: Local Project. Henrietta Fire District develops and schedules an annual campaign for Fire Prevention using its mobile Fire Safety Trailer and a portable interactive kiosk at schools, community functions, and public facilities.	N/A	No Progress	N/A	Discontinue	Not applicable to Village.
Fire-PEA-2: Local Project. Churchville Volunteer Fire Department develops and schedules an annual campaign for Fire Prevention at schools, community functions, and public facilities using its interactive displays.	N/A	No Progress	N/A	Discontinue	Not applicable to Village.
Fire-PP-1: Encourage residential use of smoke detectors through public education, and “give away” programs. This may pertain to existing and/or new infrastructure.	N/A	No Progress	N/A	Discontinue	Not applicable to Village.
Fire-SP-1: Local Project. Plan, design and develop enhanced, local facilities for on-site specialized emergency training.	N/A	No Progress	N/A	Discontinue	Not applicable to Village.
FI-ES-1: Provide Special Operations and Tactical Rescue training including water rescue training	N/A	No Progress	N/A	Discontinue	Not applicable to Village.



2011 Mitigation Action	Responsible Party	Status (In progress, No progress, Complete)	Describe Status 1. Please describe what was accomplished and indicate % complete. 2. If there was no progress, indicate what obstacles/delays encountered? 3. If there was progress, how is/was the action being funded (e.g., FEMA HMGP grant, local budget)?	Next Step (Include in 2017 HMP? or Discontinue)	Describe Next Step 1. If including action in the 2017 HMP, revise/reword to be more specific (as appropriate). 2. If discontinue, explain why.
FI-ES-4: Churchville Project. Enhance Fire Department Personnel Emergency Notification	N/A	No Progress	N/A	Discontinue	Not applicable to Village.
FI-ES-5: Churchville Project. Provide water rescue training and equipment e.g. Wet Suits and associated equipment.	N/A	No Progress	N/A	Discontinue	Not applicable to Village.
FI-PEA-1: Provide information about the Erie Canal and its spillway locations	N/A	No Progress	N/A	Discontinue	Not applicable to Village.
FI-PEA-3: Riga Project. Provide maps of flood plain area to residents who could be affected by a dam failure. This may pertain to existing and/or new infrastructure.	N/A	No Progress	N/A	Discontinue	Not applicable to Village.
FI-PP-1: Encourage affected property owners to purchase Flood Insurance. This may pertain to existing and/or new infrastructure.	N/A	No Progress	N/A	Discontinue	Not applicable to Village.
FI-PP-2: Participate in the federal Community Rating System. This may pertain to existing and/or new infrastructure.	N/A	No Progress	N/A	Discontinue	Not applicable to Village.
FI-PP-4: Local Project. Town of Gates "Multi-Lot Letter of Map Amendment" for more than 100 homes that were mislabeled as residing in flood zones on	N/A	No Progress	N/A	Discontinue	Not applicable to Village.



2011 Mitigation Action	Responsible Party	Status (In progress, No progress, Complete)	Describe Status 1. Please describe what was accomplished and indicate % complete. 2. If there was no progress, indicate what obstacles/delays encountered? 3. If there was progress, how is/was the action being funded (e.g., FEMA HMGP grant, local budget)?	Next Step (Include in 2017 HMP? or Discontinue)	Describe Next Step 1. If including action in the 2017 HMP, revise/reword to be more specific (as appropriate). 2. If discontinue, explain why.
FEMA maps (Democrat & Chronicle, 1.22.10).					
FI-PP-5: Local Projects with the U.S. Army Corps of Engineers, "Risk Management Program." Levy inspection, safety analysis and maintenance requirements (SEMO Region V meeting, 7.29.08).	N/A	No Progress	N/A	Discontinue	Not applicable to Village.
FI-PR-1: Implement an annual, "Waterway/Drainage Maintenance" Program	N/A	No Progress	N/A	Discontinue	Not applicable to Village.
FI-PR-5: Local Project. Implement an annual de-silting program in the Town of Henrietta, to increase the storage capacity for storm water detention and retention ponds. This may pertain to existing and/or new infrastructure.	N/A	No Progress	N/A	Discontinue	Not applicable to Village.
FI-PR-6: Local Project. Town of Greece drainage study on Fleming and Veness creeks between Latta Road, Windsor Blvd., Denise Road and Dewey Ave. (Democrat & Chronicle, 1.3.10).	N/A	No Progress	N/A	Discontinue	Not applicable to Village.
FI-SP-1: Local Project. Implement mitigation measures for Irondequoit Creek, as identified by the U.S. Army Corps of Engineer's 2003	N/A	No Progress	N/A	Discontinue	Not applicable to Village.



2011 Mitigation Action	Responsible Party	Status (In progress, No progress, Complete)	Describe Status 1. Please describe what was accomplished and indicate % complete. 2. If there was no progress, indicate what obstacles/delays encountered? 3. If there was progress, how is/was the action being funded (e.g., FEMA HMGP grant, local budget)?	Next Step (Include in 2017 HMP? or Discontinue)	Describe Next Step 1. If including action in the 2017 HMP, revise/reword to be more specific (as appropriate). 2. If discontinue, explain why.
proposal, and as agreed by local parties. (Reference – Democrat & Chronicle, 3-2-03). This may pertain to existing and/or new infrastructure.					
FI-SP-2: Local Project. Implement municipal mitigation measures identified by USGS modeling, proposed by the Storm Water Coalition and agreed by local parties. This may pertain to existing and/or new infrastructure.	N/A	No Progress	N/A	Discontinue	Not applicable to Village.
FI-SP-5: Local Project. Design and build a regional detention facility upstream of the Rolling Meadows and Tallwoods Subdivision in the Town of Parma. This may pertain to existing and/or new infrastructure.	N/A	No Progress	N/A	Discontinue	Not applicable to Village.
FI-SP-6: Local Project. Town of Parma bridge replacement on Hill Road (Town ROW), over Salmon Creek to raise the bridge approaches from the floodplain, to increase the freeboard elevation, to decrease backwater, and to meet 50-year storm construction standards. This may pertain to existing and/or new infrastructure.	N/A	No Progress	N/A	Discontinue	Not applicable to Village.



2011 Mitigation Action	Responsible Party	Status (In progress, No progress, Complete)	Describe Status 1. Please describe what was accomplished and indicate % complete. 2. If there was no progress, indicate what obstacles/delays encountered? 3. If there was progress, how is/was the action being funded (e.g., FEMA HMGP grant, local budget)?	Next Step (Include in 2017 HMP? or Discontinue)	Describe Next Step 1. If including action in the 2017 HMP, revise/reword to be more specific (as appropriate). 2. If discontinue, explain why.
FI-SP-7: Local Project. Town of Henrietta replace road culverts to improve flow and reduce flooding potential on Parkmeadow Drive, Tomahawk Trail and Colleen Way. This may pertain to existing and/or new infrastructure.	N/A	No Progress	N/A	Discontinue	Not applicable to Village.
Ice-ES-1: Develop a strategy to reduce the time it takes to clear streets (Rights-of-Way) of debris	N/A	No Progress	N/A	Discontinue	Not applicable to Village.
Ice-ES-2: Regularly review restoration priorities	N/A	No Progress	N/A	Discontinue	Not applicable to Village.
Ice-ES-3: Enhance utility "Town Liaison" Program	N/A	No Progress	N/A	Discontinue	Not applicable to Village.
Ice-NRP-1: Churchville Project. Replace trees (forestation) in Village of Churchville that were destroyed by various storm events.	N/A	No Progress	N/A	Discontinue	Not applicable to Village.
Ice-PEA-2: Develop alternate communications plan	N/A	No Progress	N/A	Discontinue	Not applicable to Village.
Ice-PEA-3: Provide automated utility restoration schedule to the public	N/A	No Progress	N/A	Discontinue	Not applicable to Village.
Ice-PEA-4: Provide more public outreach during an emergency	N/A	No Progress	N/A	Discontinue	Not applicable to Village.
Ice-PEA-5: Expand utility Customer Service capacity	N/A	No Progress	N/A	Discontinue	Not applicable to Village.
Ice-PEA-6: Expand information available on websites	N/A	No Progress	N/A	Discontinue	Not applicable to Village.
Ice-PP-1: Encourage installation	N/A	No Progress	N/A	Discontinue	Not applicable to Village.



2011 Mitigation Action	Responsible Party	Status (In progress, No progress, Complete)	Describe Status 1. Please describe what was accomplished and indicate % complete. 2. If there was no progress, indicate what obstacles/delays encountered? 3. If there was progress, how is/was the action being funded (e.g., FEMA HMGP grant, local budget)?	Next Step (Include in 2017 HMP? or Discontinue)	Describe Next Step 1. If including action in the 2017 HMP, revise/reword to be more specific (as appropriate). 2. If discontinue, explain why.
of backup power supply. This may pertain to existing and/or new infrastructure.					
Ice-PR-1: Implement an "Annual, Tree/Stream Maintenance Program"	N/A	No Progress	N/A	Discontinue	Not applicable to Village.
Ice-PR-2: Relocate vulnerable utilities. This may pertain to existing and/or new infrastructure.	N/A	No Progress	N/A	Discontinue	Not applicable to Village.
Ice-PR-2A: Fairport Electric Project. Relocate vulnerable utilities	N/A	No Progress	N/A	Discontinue	Not applicable to Village.
Ice-PR-2B: Fairport Electric Project. Relocate vulnerable utilities	N/A	No Progress	N/A	Discontinue	Not applicable to Village.
Ice-PR-3: Develop DPW/DOT Plans for debris clearance, removal, and disposal	N/A	No Progress	N/A	Discontinue	Not applicable to Village.
Ice-PR-4: Lobby state and federal officials to require permanent installation of emergency generators on-site at health care facilities and elderly housing facilities. This may pertain to existing and/or new infrastructure.	N/A	No Progress	N/A	Discontinue	Not applicable to Village.
Ice-SP-1: Install permanent backup power supply at public facilities. This may pertain to existing and/or new infrastructure.	DPW	Completed	Installed backup generator at Village Hall	Discontinue	The Village has installed backup generators at its critical facilities and will soon be implementing an additional solar array. Moved to ongoing capability.



2011 Mitigation Action	Responsible Party	Status (In progress, No progress, Complete)	Describe Status 1. Please describe what was accomplished and indicate % complete. 2. If there was no progress, indicate what obstacles/delays encountered? 3. If there was progress, how is/was the action being funded (e.g., FEMA HMGP grant, local budget)?	Next Step (Include in 2017 HMP? or Discontinue)	Describe Next Step 1. If including action in the 2017 HMP, revise/reword to be more specific (as appropriate). 2. If discontinue, explain why.
Land-PEA-1: Local Project. Promote understanding and use of (telephone number) 811, "Call Before You Dig."	N/A	No Progress	N/A	Discontinue	Not applicable to Village.
Land-PR-1: Local Project. Enact Local Laws: to restrict development on steep slopes; to require property owners and/or mine operators to rehabilitate open mines at closing. This may pertain to existing and/or new infrastructure.	N/A	No Progress	N/A	Discontinue	Not applicable to Village.
SC-PR-1: Local Project. Enact Local Laws that require property owners to demolish and remove unsafe structures from their property(ies). This may pertain to existing and/or new infrastructure.	N/A	No Progress	N/A	Discontinue	Not applicable to Village.
Terr-PP-1: Implement a strategy to "target harden" critical and public facilities. This may pertain to existing and/or new infrastructure.	N/A	No Progress	N/A	Discontinue	Not applicable to Village.
Terr-PR-1: Provide intelligence to local authorities about legal surveillance and threat assessment activities.	N/A	No Progress	N/A	Discontinue	Not applicable to Village.
Terr-PR-2: Review emergency plans for public facilities to ensure that appropriate measures are considered and referenced	N/A	No Progress	N/A	Discontinue	Not applicable to Village.



2011 Mitigation Action	Responsible Party	Status (In progress, No progress, Complete)	Describe Status 1. Please describe what was accomplished and indicate % complete. 2. If there was no progress, indicate what obstacles/delays encountered? 3. If there was progress, how is/was the action being funded (e.g., FEMA HMGP grant, local budget)?	Next Step (Include in 2017 HMP? or Discontinue)	Describe Next Step 1. If including action in the 2017 HMP, revise/reword to be more specific (as appropriate). 2. If discontinue, explain why.
Terr-PR-3: Schools Project. Comply with Project Save regulations for plan review and revision cycles.	N/A	No Progress	N/A	Discontinue	Not applicable to Village.
Trans-ES-1: Local Project. The Town of Henrietta's Highway "Snow & Ice Control" Program is testing treated road salt for benefits associated with its application to enhance the capacity of normal road salt.	N/A	No Progress	N/A	Discontinue	Not applicable to Village.
Trans-PEA-1: Local Project. Provide traffic reports through the local broadcasters	N/A	No Progress	N/A	Discontinue	Not applicable to Village.
Trans-PEA-2: Local Project. Provide construction information and project status on sites that impact traffic	N/A	No Progress	N/A	Discontinue	Not applicable to Village.
Util-ES-1: Local Projects. Provide power back-up supply for municipal fueling stations. This may pertain to existing and/or new infrastructure.	N/A	No Progress	N/A	Discontinue	Not applicable to Village.
Util-PP-1: Local Utilities Project. Preserve capacity to generate local power and enhance the ability to segregate local supply from the national power grid during major failures, e.g. August 14, 2003. This may pertain to existing and/or new infrastructure.	Village Board	In progress	Just completed approval process to install solar system for public buildings/utilities. Construction to commence soon.	Include in 2017 HMP	Include as listed



2011 Mitigation Action	Responsible Party	Status (In progress, No progress, Complete)	Describe Status <ol style="list-style-type: none">1. Please describe what was accomplished and indicate % complete.2. If there was no progress, indicate what obstacles/delays encountered?3. If there was progress, how is/was the action being funded (e.g., FEMA HMGP grant, local budget)?	Next Step (Include in 2017 HMP? or Discontinue)	Describe Next Step <ol style="list-style-type: none">1. If including action in the 2017 HMP, revise/reword to be more specific (as appropriate).2. If discontinue, explain why.
WSC-PR-1: Provide redundant back-up power supply for public supply treatment facilities and system pump stations. This may pertain to existing and/or new infrastructure.	N/A	No Progress	N/A	Discontinue	Not applicable to Village.



Completed Mitigation Initiatives not Identified in the Previous Mitigation Strategy

The Village of Brockport has not identified any additional mitigation projects/activities other than those identified in the previous mitigation strategy in the 2011 Plan. The Village noted that National Grid has increased their preventative maintenance which has led to fewer power outages.

Proposed Hazard Mitigation Initiatives for the Plan Update

FEMA Region II led a meeting for all Monroe County municipalities in November 2015 to discuss the purpose, goals, and long term benefits of identifying mitigation actions to include in the updated HMP. FEMA provided handouts on creating a functionally diverse jurisdictional planning team, guidance for identifying integration actions, and guidelines for completing an action worksheet for jurisdictions to use as a resource as part of their comprehensive review of all possible activities and mitigation measures to address their hazards.

Monroe County hosted two Annex Workshops in December 2015 to assist municipalities in completing their jurisdictional annexes, including identifying mitigation projects and developing Action Worksheets. All jurisdictions were provided with a set of sample mitigation actions that satisfied County goals of addressing all hazards and representing all six CRS categories, along with a refresher instruction sheet on how to complete an action worksheet, and an example of a completed action worksheet.

In January 2016, Monroe County jurisdictions were provided the results of the municipal risk assessment to further assist with the development of their mitigation strategy. Throughout the planning process, jurisdictions had access to mitigation planners who were available to assist with the development of the jurisdictional annexes, including the mitigation strategy and action worksheets, as necessary.

Table 9.3-12 summarizes the comprehensive-range of specific mitigation initiatives the Village of Brockport would like to pursue to reduce the effects of hazards. Some of these initiatives may be previous actions carried forward for this plan update. These initiatives depend on available funding (grants and local match availability) and may be modified or omitted at any time based on 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 9.3-12 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. Table 9.3-12 summarizes the evaluation of each mitigation initiative, listed by Action Number.

Table 9.3-13 has a summary of the prioritization of all proposed mitigation initiatives for the Plan update.



Table 9.3-12. Proposed Hazard Mitigation Initiatives

Initiative	Mitigation Initiative	Applies to New and/or Existing Structures*	Hazards Mitigated	Goals and Objectives Met	Lead and Support Agencies	Estimated Benefits	Estimated Cost	Sources of Funding	Timeline	Priority	Mitigation Category	CRS Category
VBP-1	Continue updating Certificates of Occupancy that have expired, and closing out old and expired inspection permits.	Both	All hazards	1, 4	Code Enforcement Officer	Medium	Medium	Local operating budget	OG	High	LPR NRP	PR, ES
VBP-2	Install a solar power system for public buildings/utilities - Preserve capacity to generate local power and enhance the ability to segregate local supply from the national power grid during major failures, e.g., August 14, 2003, by completing the process to install solar power. Ensure that the panels are outside of the 0.2% annual chance floodplain.	Both	Utility Failure	1, 2	Village Board, Local utility providers	High	Medium	Private-sector; federal incentives	Short term	High	LPR SIP	PR, ES
VBP-3	Update Village website to include educational information related to natural hazard risk management.	N/A	All Hazards	2, 5	Village Board, Floodplain Manager	Medium	Low	Local operating budget	Short term	High	EAP	PI
VBP-4	Continue to enhance and provide education and outreach to residents and business owners to inform them if their properties are in known hazard areas, and actions they can take to protect their properties.	Existing	Earthquake, Extreme Temperatures, Flood, Infestation, Landslide, Severe Storms, Severe Winter Storms, Wildfire, HazMat, Utility Failure	1, 3, and 4	Village Clerk	High	Low	Operating budget	OG	High	EAP	PI

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:

Potential FEMA HMA Funding Sources:

Timeline:





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
NYS DHSES	New York State Division of Homeland Security and Emergency Services
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
RFC	Repetitive Flood Claims Grant Program (discontinued)
SRL	Severe Repetitive Loss Grant Program (discontinued)

Timeline:

Short	1 to 5 years
Long Term	5 years or greater
OG	On-going program
DOF	Depending on funding

Costs:

Where actual project costs have been reasonably estimated:

Low	< \$10,000
Medium	\$10,000 to \$100,000
High	> \$100,000

Where actual project costs cannot reasonably be established at this time:

Low	Possible to fund under existing budget. Project is part of, or can be part of an existing on-going program.
Medium	Could budget for under existing work plan, but would require a reapportionment of the budget or a budget amendment, or the cost of the project would have to be spread over multiple years.
High	Would require an increase in revenue via an alternative source (i.e., bonds, grants, fee increases) to implement. Existing funding levels are not adequate to cover the costs of the proposed project.

Benefits:

Where possible, an estimate of project benefits (per FEMA's benefit calculation methodology) has been evaluated against the project costs, and is presented as:

Low=	< \$10,000
Medium	\$10,000 to \$100,000
High	> \$100,000

Where numerical project benefits cannot reasonably be established at this time:

Low	Long-term benefits of the project are difficult to quantify in the short term.
Medium	Project will have a long-term impact on the reduction of risk exposure to life and property, or project will provide an immediate reduction in the risk exposure to property.
High	Project will have an immediate impact on the reduction of risk exposure to life and property.

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



Table 9.3-13. Summary of Prioritization of Actions

Mitigation Action/Project Number	Mitigation Action/Initiative	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
VBP-1	Continue updating Certificates of Occupancy that have expired, and closing out old and expired inspection permits.	0	1	1	1	0	1	1	1	1	1	1	0	0	0	9	High
VBP-2	Install a solar power system for public buildings/utilities - Preserve capacity to generate local power and enhance the ability to segregate local supply from the national power grid during major failures, e.g., August 14, 2003, by completing the process to install solar power. Ensure that the panels are outside of the 0.2% annual chance floodplain.	1	1	1	1	0	1	-1	1	1	1	0	0	1	1	9	High
VBP-3	Update Village website to include educational information related to natural hazard risk management.	1	1	1	1	0	1	1	0	0	1	1	1	0	0	9	High
VBP-4	Continue to enhance and provide education and outreach to residents and business owners to inform them if their properties are in known hazard areas, and actions they can take to protect their properties.	1	1	1	1	1	1	1	0	1	-1	1	1	1	1	11	High

Note: Refer to Section 6 which contains the guidance on doing the prioritization of mitigation actions.



9.3.7 Future Needs To Better Understand Risk/Vulnerability

None at this time.

9.3.8 Hazard Area Extent and Location

Hazard area extent and location maps were generated for the Village of Brockport illustrating the probable areas impacted. These maps are based on the best currently available data, and are considered to be adequate for planning purposes. Maps have only been generated for those hazards (i.e., landslide, wildfire, and flooding) that can be clearly identified using mapping techniques and technologies, and for which the Village of Brockport has significant exposure. These maps are illustrated in the hazard profiles in Section 5.4, Volume I of this Plan.

9.3.9 Additional Comments

None at this time.



Figure 9.3-1. Village of Brockport Landslide and Wildfire Hazard Area Extent and Location Map

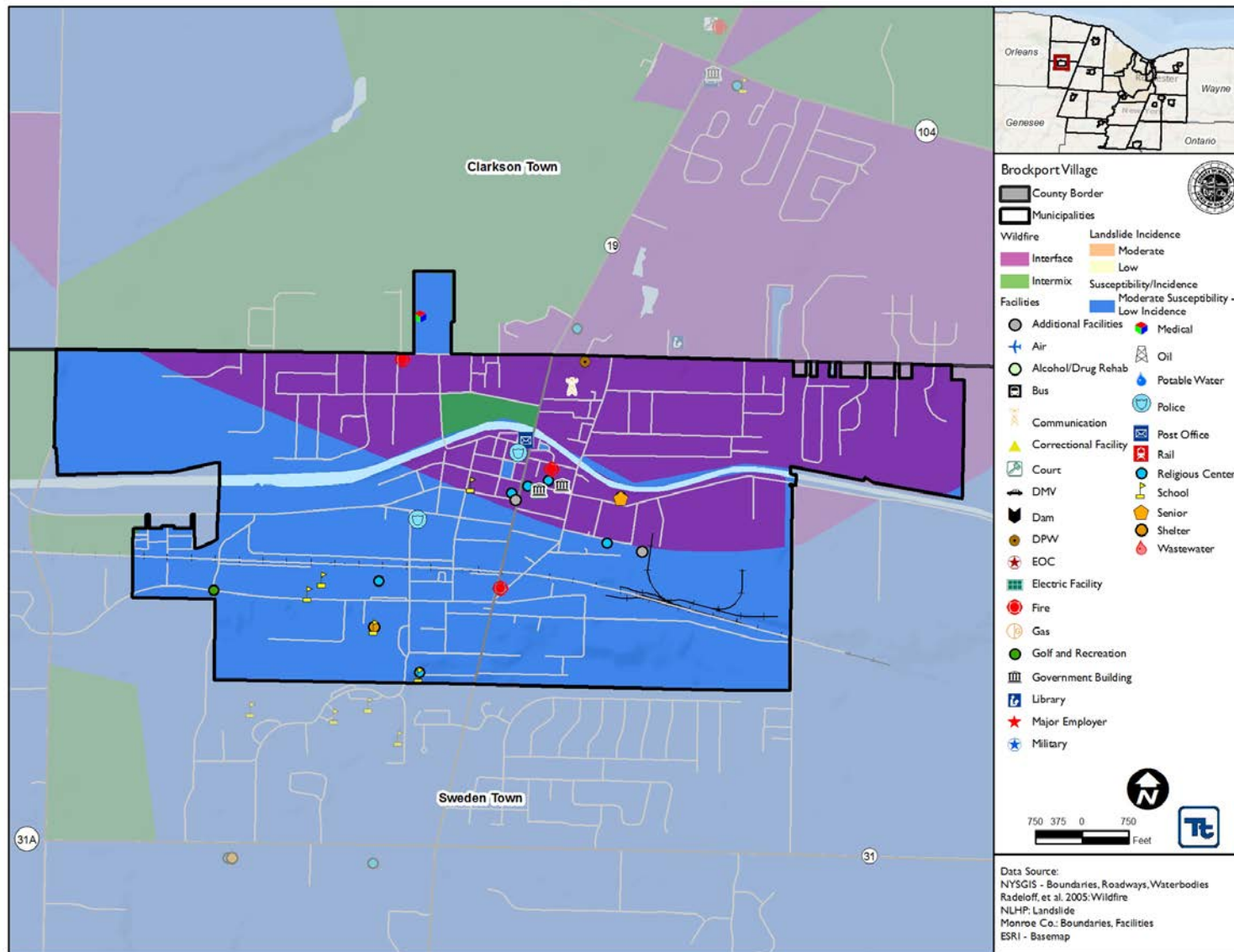
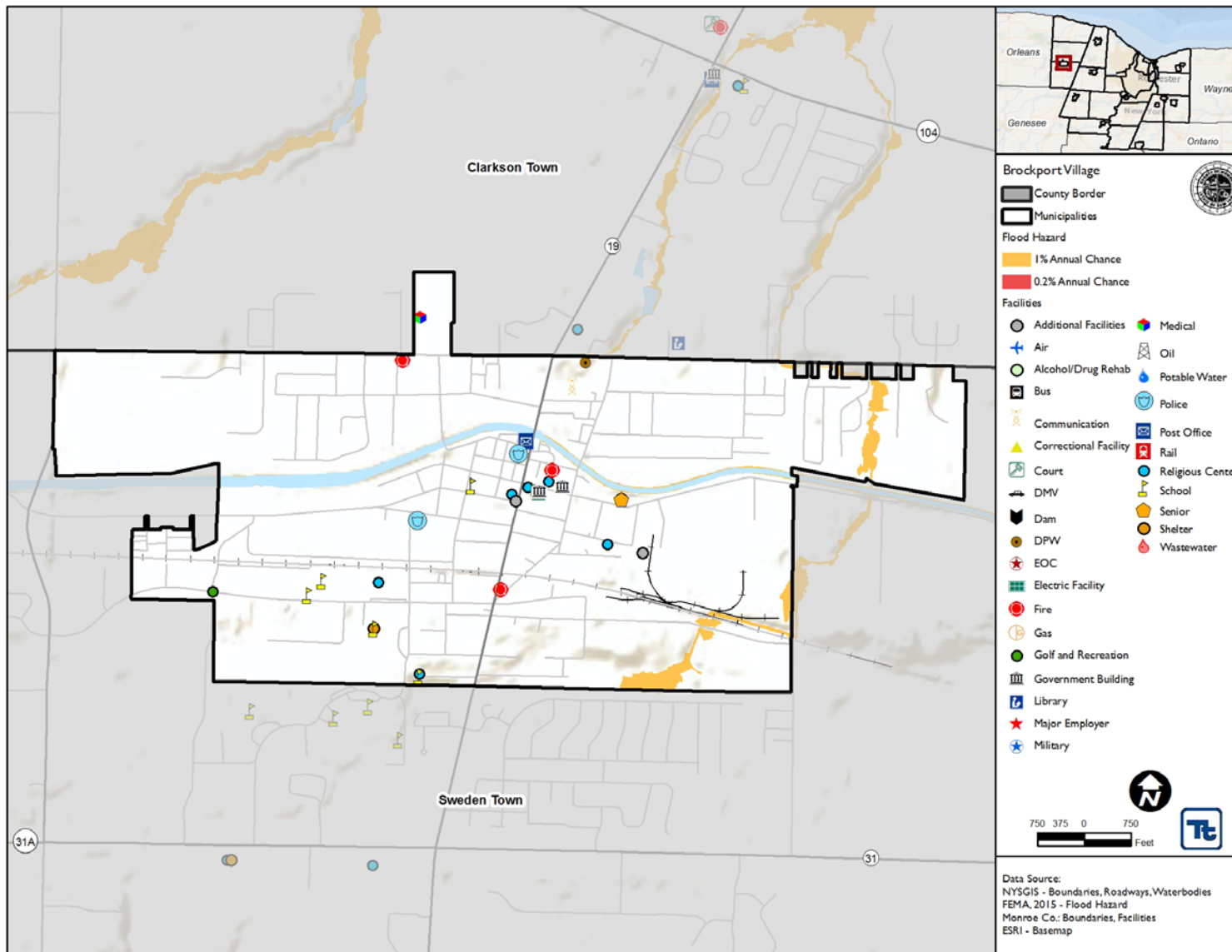




Figure 9.3-2. Village of Brockport 1% and 0.2% Floodplain Map





Name of Jurisdiction:	Village of Brockport
Name and Title Completing Worksheet:	
Action Number:	VBP-2
Mitigation Action Name:	Install a solar power system for public buildings/utilities

Assessing the Risk	
Hazards addressed:	Flood, Severe Storm, Utility Failure
Specific problem being mitigated:	Current lack of capacity to generate local power and the ability to segregate local supply from the national power grid during major failures
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	1. Install solar power system for public buildings and utilities 2. Do nothing – current problem continues 3. No other feasible options were identified
Action/Project Intended for Implementation	
Description of Selected Action/Project	Install a solar power system for public buildings/utilities – Preserve capacity to generate local power and enhance the ability to segregate local supply from the national power grid during major failures, e.g., August 14, 2003, by completing the process to install solar power. Ensure that the panels are outside of the 0.2% annual chance floodplain.
Mitigation Action Type	SIP, LPR
Goals Met	1, 2
Applies to existing and or new development, or not applicable	Both
Benefits (losses avoided)	High – maintain functionality and operations of public utilities and buildings during food or severe storm event.
Estimated Cost	Medium
Priority*	High
Plan for Implementation	
Responsible Organization	Village Board, Local utility providers
Local Planning Mechanism	Village Capital Improvements
Potential Funding Sources	Private-sector; federal incentives
Timeline for Completion	Short-Term
Reporting on Progress	
Date of Status Report/ Report of Progress	Date: Progress on Action/Project:



Action Number:

VBP-2

Mitigation Action Name:

Install a solar power system for public buildings/utilities

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	Associated risk from failure of critical facilities
Property Protection	1	Direct damage to critical facilities and related damage to other Town facilities as a consequence of failure.
Cost-Effectiveness	1	The cost of property damage and risk to human life from loss of service of critical facilities are far more than the costs of repair.
Technical	1	Project is technically feasible.
Political	0	
Legal	1	Town would work with the school district and fire department who have legal jurisdiction over the facilities.
Fiscal	-1	Requires external funding.
Environmental	1	Project u renewable energy for backup power.
Social	1	The proposed project will not adversely impact one segment of the population, and will serve vulnerable populations.
Administrative	1	The project will be administered by the Village staff.
Multi-Hazard	0	Utility Failure
Timeline	0	
Agency Champion	1	Village Board
Other Community Objectives	1	The project promotes sustainability.
Total	9	
Priority (High, Medium, Low)	High	