



9.22 VILLAGE OF PITTSFORD

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

9.22.1 Hazard Mitigation Plan Point of Contact

The following individuals have been identified as the hazard mitigation plan's (HMP) primary and alternate points of contact.

Primary Point of Contact	Alternate Point of Contact
Kelly Cline, Fire Marshal 11 S. Main Street, Pittsford, NY 14534 (585) 248-6250 kcline@townofpittsford.org	Robert Corby, Mayor 21 N. Main Street, Pittsford, NY 14534 (585)586-3460 Mayorcorby@villageofpittsford.com

9.22.2 Municipal Profile

The Village of Pittsford is in the southeastern quadrant of Monroe County and is a suburb of the City of Rochester, roughly 8 miles to the northwest. The Village encompasses 0.7 square mile of land and 0.04 square mile of water, and is fully enclosed by the Town of Pittsford. The Village has a population of 1,355, according to the 2010 U.S. Census. The Erie Canal is the primary waterway within the Village.

In its early days, the settlement at Pittsford prospered as a local trading center due to its location at the intersection of the primary road between the mills at the Genesee Falls in Rochesterville and Canandaigua, and the new east/west road (now New York State [NYS] Route 31). The original settlement grew rapidly after the opening of the Erie Canal in 1822, and the Village of Pittsford was incorporated in 1827 as the first village in Monroe County—named after Pittsford, Vermont, the home town of its founding father.

Growth/Development Trends

Some original structures within the Village of Pittsford built on the canal are present today, many of which have been restored and converted into restaurants, cafes, and shops as part of the Village's historic preservation district. Recently, the Erie Canal waterfront in the Village was redeveloped for commercial and recreational use, contributing to the Village's livelihood as a destination and walkable activity center.

Table 9.22-1 below summarizes recent residential/commercial development in the Village of Pittsford since 2010, and lists any known or anticipated major residential/commercial development and major infrastructure development slated within the next 5 years within the municipality. Refer to the maps following Section 9.22-9 of this annex: Figure 9-22-1 that illustrates landslide and wildfire hazard areas, and Figure 9-22-2 (floodplain map), which illustrates the hazard areas along with the location of potential new development.

Table 9.22-1. 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 2010 to present					
Westport Crossing	Res./Mixed	167	75 Monroe Avenue	Brownfield	In Progress
Known or Anticipated Development within the Next Five (5) Years					
None					

Note: Only location-specific hazard zones or vulnerabilities are identified.



9.22.3 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 appears in each hazard profile and includes a chronology of events that have affected the County and its municipalities. For the purpose of this Plan update, to the extent possible, all events that have occurred in the County were summarized to indicate the range and impact of hazard events in the community. Information regarding specific damages is included, if available, based on reference material or local sources. This information is presented in the Table 9.22-2 below. For details of these and additional events, refer to Volume I, Section 5.0 of this Plan.

Table 9.22-2. 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	The local Fire Departments received increased requests for services.
April 26 - May 8, 2011	Severe storms, flooding, tornadoes, and straight-line winds	DR-1993	No	The local Fire Departments received slightly increased requests for services.
January 17, 2012	High wind	N/A	N/A	The local Fire Departments received slightly increased requests for services.
October 27 – November 8, 2012	Hurricane Sandy	EM-3351	Yes	The local Fire Departments received increased requests for services.
June 26 - July 11, 2013	Severe storms and flooding	DR-4129	No	The local Fire Departments received increased requests for services.
May 13-22, 2014	Severe storms and flooding	DR-4180	No	The local Fire Departments received slightly increased requests for services.

9.22.4 Hazard Vulnerabilities and Ranking

The hazard profiles in Section 5.0 of this Plan convey 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 Pittsford. For additional vulnerability information relevant to this jurisdiction, refer to Section 5.0.

Hazard Risk/Vulnerability Risk Ranking

Table 9.22-3 below summarizes hazard risk/vulnerability rankings of potential hazards for the Village of Pittsford. The hazards of concern for the Village are those with a High hazard ranking.

Table 9.22-3. Hazard Risk/Vulnerability Risk Ranking

Hazard type	Estimate of Potential Dollar Losses to Structures Vulnerable to the Hazard ^{1, 3}	Probability of Occurrence	Risk Ranking Score (Probability x Impact)	Hazard Ranking ²
Severe Storm	Expected Losses from Wind Alone: \$0	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: \$11,684,909 5% Damage Loss Estimate: \$58,424,546 10% Damage Loss Estimate: \$116,849,091	Frequent	36	High



Hazard type	Estimate of Potential Dollar Losses to Structures Vulnerable to the Hazard ^{1,3}	Probability of Occurrence	Risk Ranking Score (Probability x Impact)	Hazard Ranking ²
Civil Unrest	Damage Estimate Not Available	Frequent	18	Medium
Flood ⁴	1% annual chance: \$0	Frequent	18	Medium
Hazardous Materials	Damage Estimate Not Available	Frequent	18	Medium
Terrorism	Damage Estimate Not Available	Frequent	18	Medium
Wildfire	Exposed Value in the WUI: \$321,740,096	Frequent	18	Medium
Drought	Damage Estimate Not Available	Frequent	12	Low
Earthquake ^{4,5}	100-year MRP GBS: \$84,732 500-year MRP GBS: \$1,743,698 2,500-year MRP GBS: \$20,312,764 Annualized: \$22,636	Frequent	12	Low
Landslide	Exposed: \$0	Frequent	0	Low

Notes:

- 1 Building damage ratio estimates were based on Federal Emergency Management Agency (FEMA) 386-2 (August 2001).
- 2 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
- 3 Loss estimates for the severe storm and severe winter storm hazards are structural values only, and do not include the value of contents.
- 4 Loss estimates for the flood and earthquake hazards represent both structure and contents.
- 5 The Hazards United States – Multi-Hazards (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 9.22-4 below summarizes NFIP statistics for the Village of Pittsford.

Table 9.22-4. 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)
Pittsford (V)	4	0	\$0	0	0	2

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.

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

V Village



Critical Facilities

Table 9.22-5 below presents Hazards United States – Multi-Hazards (HAZUS-MH) estimates of damage and loss of use to critical facilities in the community as a result of 1- and 0.2-percent annual chance flood events.

Table 9.22-5. 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

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).

Some facilities may be within the Digital Flood Insurance Rate Map (DFIRM) flood hazard boundary; however, HAZUS did not calculate potential loss, perhaps because depth of flooding would not cause any damages to these structures according to the depth damage function used in HAZUS for that facility type. Further, HAZUS-MH may estimate potential damage to a facility outside the DFIRM if the model generates a depth grid beyond DFIRM boundaries.

Other Vulnerabilities Identified

The municipality has identified the following vulnerabilities within the community:

- The Village reports a slightly greater frequency of severe storms than in years past.
- The Village is served by small-diameter, cast-iron, sanitary sewer lines that run underneath the canal from one side of the canal to the other. One of the lines is at the Monroe Avenue crossing. Each line crosses with a grade difference and an uphill flow. The Village has an emergency plan in place to handle a break in these lines, which would create a sewage backup. The emergency protocol is to reroute piping over the canal, but to do so would require shutting down four lanes of a major interstate highway. Consensus is that these lines are aging and possibly degrading, and would be difficult to repair.

9.22.5 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

Table 9.22-6 below summarizes regulatory tools available to the Village of Pittsford.



Table 9.22-6. 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	Yes	Local	Village Board	Village of Pittsford Comprehensive Plan, 2002, Updated 2013
Capital Improvements Plan	Yes	Local	Village Board	2015
Floodplain Management / Basin Plan	No	-	-	-
Stormwater Management Plan	Yes	Local	Village Board	2015
Open Space Plan	No	-	-	-
Stream Corridor Management Plan	No	-	-	-
Watershed Management or Protection Plan	No	-	-	-
Economic Development Plan	No	-	-	-
Comprehensive Emergency Management Plan	No	-	-	Utilize County of Monroe
Emergency Response Plan	Yes	-	-	-
Post-Disaster Recovery Plan	No	-	-	-
Transportation Plan	No	-	-	-
Strategic Recovery Planning Report	No	-	-	-
Other Plans:	Yes	Local	Village Board	Town and Village of Pittsford Erie Canal Master Plan, 2010
Regulatory Capability				
Building Code	Yes	Local	Department of Public Works (DPW)	Enforce NYS Building Codes; Fire Prevention and Building Construction Administration Chapter 105
Zoning Ordinance	Yes	Local	Village	Zoning Chapter 210
Subdivision Ordinance	Yes	Local	Village	Zoning Chapter 210
NFIP Flood Damage Prevention Ordinance	Yes	Local	Village	Flood Damage Prevention Chapter 107
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	Yes	Local	Planning Board	-
Stormwater Management Ordinance	Yes	Local	Village Board, DPW	Stormwater Management and Erosion and Sediment Control Chapter 127



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.)
Municipal Separate Storm Sewer System (MS4)	Yes	Local	Village Board, DPW	Storm Sewers Chapter 121; Storm Sewers Chapter 165
Natural Hazard Ordinance	No	-	-	-
Post-Disaster Recovery Ordinance	No	-	-	-
Real Estate Disclosure Requirement	No	-	-	-
Other [Special Purpose Ordinances (i.e., sensitive areas, steep slope)]	Yes	Local	APRB	Historical Architectural and Preservation review Board Village Code Section 210.57; Environmental Quality Review Chapter 93; Local Waterfront Consistency Chapter 121

Administrative and Technical Capability

Table 9.22-7 below summarizes potential staff and personnel resources available to the Village of Pittsford.

Table 9.22-7. Administrative and Technical Capabilities

Resources	Is this in place? (Yes or No)	Department/ Agency/Position
Administrative Capability		
Planning Board	Yes	Appointed by Town Board
Mitigation Planning Committee	Yes	Mayor , Village Clerk, Fire Marshal DPW Superintendent, Village Engineer
Environmental Board/Commission	No	Appointed by Town Board
Open Space Board/Committee	No	Appointed by Town Board
Economic Development Commission/Committee	No	-
Maintenance Programs to Reduce Risk	No	Roads program, fleet maintenance program, sewer maintenance program.
Mutual Aid Agreements	Yes	Agreements with local municipalities and emergency services, schools
Technical/Staffing Capability		
Planner(s) or Engineer(s) with knowledge of land development and land management practices	Yes	Obtained as necessary depending on need
Engineer(s) or Professional(s) trained in construction practices related to buildings and/or infrastructure	Yes	Obtained as necessary depending on need
Planners or engineers with an understanding of natural hazards	Yes	Obtained as necessary depending on need
NFIP Floodplain Administrator	No	-
Surveyor(s)	No	-
Personnel skilled or trained in Geographic Information System (GIS) and/or HAZUS-MH applications	Yes	Shared with Town
Scientist familiar with natural hazards	no	-
Emergency Manager	No	-
Grant writer(s)	Yes	As needed Administrative Staff
Staff with expertise or training in benefit/cost analysis	No	-



Resources	Is this in place? (Yes or No)	Department/ Agency/Position
Professionals trained in conducting damage assessments	No	-

Fiscal Capability

Table 9.22-8 below summarizes financial resources available to the Village of Pittsford.

Table 9.22-8. Fiscal Capabilities

Financial Resources	Accessible or Eligible to Use (Yes/No)
Community development Block Grants (CDBG, CDBG-DR)	Yes
Capital Improvements Project Funding	Yes
Authority to levy taxes for specific purposes	No
User fees for water, sewer, gas, or electric service	Yes Sanitary Sewer
Impact fees for homebuyers or developers of new development/homes	No
Stormwater utility fee	No
Incur debt through general obligation bonds	Yes
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	Don't know

Community Classifications

Table 9.22-9 below summarizes classifications of community programs available to the Village of Pittsford.

Table 9.22-9. 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)	No	-	-
Public Protection (Insurance Services Office [ISO] Fire Protection Classes 1 to 10)	Yes	Pittsford fire 3	
Storm Ready	Yes	StormReady County	
Firewise	No	-	-
Disaster/Safety Programs in/for Schools	Yes	-	-
Organizations with Mitigation Focus (advocacy group, non-government)	No	-	-
Public Education Program/Outreach (through website, social media)	Yes	-	-
Public-Private Partnerships	Yes	-	-



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 costs of various forms of insurance. The Community Rating System (CRS) class applies to flood insurance, while the Building Code Effectiveness Grading Schedule (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 outlined in the following documents:

- The Community Rating System Coordinators Manual
- The Building Code Effectiveness Grading Schedule
- The International Organization for Standardization (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 9.22-10 below provides an approximate measure of the Village of Pittsford's capability to work in a hazard-mitigation capacity and/or effectively implement hazard mitigation strategies to reduce hazard vulnerabilities.

Table 9.22-10. 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)

Code Enforcement Officer

Flood Vulnerability Summary

The municipality does not maintain lists/inventories of properties that have undergone flood damage from past events; nor does it make substantial damage estimates. The Village is unaware of any structures damaged by the significant storm events referenced, and of how many constituents are interested in mitigation (elevation or acquisition). The Village does not believe that any constituents are currently in the process of mitigation.



Resources

The Village FPA is the sole person assuming responsibilities of floodplain administration, and is supported by the Village Engineer, Building Inspectors, and Code Enforcement. The Village FPA provides mapping and code interpretations, permit review, inspections, record keeping, individual educational outreach, and, when sponsored by the Federal Emergency Management Agency (FEMA) or the State, educational outreach to the community.

The Village FPA did not note any barriers to running an effective floodplain management program in the Village of Pittsford, and feels adequately supported and trained to fulfill the responsibilities of municipal FPA. The Village FPA expressed interest in attending continuing education and/or certification training on floodplain management if offered in the County.

Compliance History

As of June 30, 2015, four policies were in force, two of which were within the 100-year flood boundary. Since 1978, no claims have been paid within the Village of Pittsford. According to the NFIP Policy Statistics report available at the time of this Plan, policies in the Village insured \$700,000 of property with total annual insurance premiums of \$824.

The FPA reports no outstanding NFIP compliance issues in the community, and is unaware of when the most recent Community Assistance Visit (CAV) occurred.

Regulatory

The Town's Flood Damage Prevention Ordinance (FDPO) was last revised in June 2008, and appears in Chapter 107 of the local code. Floodplain management regulations and ordinances meet FEMA and NYS minimum requirements, and do not exceed these requirements.

Other local ordinances, plans, and programs support floodplain management and meet NFIP requirements in the Village of Pittsford. For example, floodplain management activities of the Building, Zoning, Planning, and Code enforcement teams are completely integrated, as are those activities of the Village's regulatory boards.

Community Rating System

The Village of Pittsford does not participate in the CRS program—it considered joining but found the program too costly and cumbersome to significantly benefit the Village. The Village FPA would be happy to attend an informative seminar if offered.

Other Capabilities Identified

Previous actions that are now ongoing programs and capabilities are described below. Refer to Table 9.22-11 that appears later in this annex.

- The Village Board has ongoing capability to acquire property for open space and historical preservation.
- The Village of Pittsford facilitates a household hazardous waste program for residents in cooperation with Monroe County.
- The Village of Pittsford DPW has contracts in place with outside agencies to provide comprehensive inspection services.
- The Village of Pittsford regularly solicits inter-municipal and interagency cooperation, including a shared Geographic Information System (GIS) agreement with the Town of Pittsford Highway Department, and other agreements with the Town of Pittsford.



- The Village of Pittsford has installed a generator at its pump station in efforts to “disaster-proof” public facilities.
- The Village of Pittsford Information Technology (IT) Director contracted for backup of critical information to secure and provide redundant critical systems.
- Local fire departments encourage residential use of smoke detectors through public education via their websites and annual open houses. Fire departments also run “give away” programs, and carry detectors on apparatus at all times to install if needed.
- The Village of Pittsford Fire Department is participating in Special Operations and Tactical Rescue training, including water rescue training, in coordination with Monroe County.
- The Village DPW provides information about the Erie Canal and its spillway locations when requested by residents.
- The Village DPW is installing emergency backup power to its pump station.

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 day-to-day local government operations. As part of this planning effort, each community was surveyed to obtain a better understanding of its progress in plan integration. A summary appears below. In addition, the community identified specific integration activities to be incorporated into municipal procedures.

Planning

Land Use Planning: The Village of Pittsford has a Planning Board and Zoning Board of Appeals that review all applications for development and consider natural hazard risk areas in their review. Many development activities require additional levels of environmental review, specifically NYS State Environmental Quality Review (SEQR) and Federal National Environmental Protection Act (NEPA) requirements. The Planning Board is provided with maps, codes, and GIS information to guide their decisions with respect to natural hazard risk management.

Village of Pittsford Comprehensive Plan, 2002: The Village of Pittsford has updated its Comprehensive Plan several times, including 2002 and 1965. The 2002 update was prompted by completion of almost all goals of the original plans. The plan update includes identification of natural hazard risk areas including woodlots, wetlands, and the floodplain, although it also notes that the Village does not have any designated floodplains. The Comprehensive Plan includes land use and hazard mitigation measures to promote growth and development in a way that protects environmental assets.

Town and Village of Pittsford Erie Canal Master Plan, 2010: This plan is designed to enhance the recreational and community features of the Erie Canal while preserving its natural functions. The property on which the plan focuses could serve as an important economic and cultural amenity to the surrounding community; however, it has previously undergone indiscriminate filling and excavation that has also impacted natural drainage patterns. Upon conclusion of project area analysis, the plan offers recommendations for development and land use of the site.

Regulatory and Enforcement

Environmental Quality Review Chapter 93: The Village of Pittsford complies with the New York Environmental Conservation Law and provides environmental quality review of actions that may significantly affect the environment.

Fire Prevention and Building Construction Administration Chapter 105: Building codes are strictly enforced to prepare new and renovated buildings as well 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).

Flood Damage Prevention Chapter 107: This chapter promotes public health, safety, and general welfare of residents, and seeks to minimize public and private losses due to flood conditions and erosion. The chapter regulates development to promote flood resistant structures, and controls alteration of floodplains to prevent increased vulnerability.

Local Waterfront Consistency Chapter 121: The Village of Pittsford supports implementation of its Local Waterfront Revitalization Program. In conjunction with the Town of Pittsford, it promotes preservation, enhancement, and utilization of natural and manmade coastal area resources and development, while regulating development of sensitive areas.

Storm Sewers Chapter 121: The Village protects and regulates its sewage collection and treatment facilities as a matter of public health and environmental safety. It seeks to prohibit introduction of stormwater, surface water, or sub-surface waters into sanitary sewers, and to control quantity and quality of wastes in the sewage system.

Stormwater Management and Erosion and Sediment Control Chapter 127: The Village's stormwater management chapter seeks to mediate adverse impacts of stormwater runoff, sedimentation, and erosion caused by existing drainage systems. It also serves to control degradation of water quality in the Village.

Storm Sewers Chapter 165: The Village promotes health and safety of its residents by protecting and enhancing the water quality of its waterways, consistent with the Federal Clean Water Act. Under this determination, the Village seeks to reduce stormwater discharge pollutants, non-stormwater discharges to the storm drain system, and stormwater discharges to sanitary sewers.

Solid Waste Chapter 173: The Village regulates generation and removal of solid waste, to the extent possible, to promote public health and in compliance with the New York Solid Waste Management Act of 1988.

Zoning Chapter 210: The Village of Pittsford's zoning code includes districts and standards pertaining to mitigation of hazards. These sections include the canal waterfront business district and local waterfront overlay district.

Fiscal

Operating Budget: The Village's operating budget includes minimal provisions for expected repairs like snow removal, leaf pickup, and infrastructure repair after a storm or natural disaster. The Village has also allotted funds in its 2015-2016 budget for repaving Grove Street, repaving Elmbrook Road, repairing sidewalks, repairing catch basins, and financing ongoing general infrastructure repair and maintenance. Both the Village's Operating and Capital Improvements Budgets include budgets for mitigation-related projects.

Employment: Job descriptions for Village DPW Staff specifically include identifying and/or implementing mitigation projects/actions or other efforts to reduce natural hazard risk.

Education and Outreach

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



Village of Pittsford residents can access information in several ways. The Village issues a newsletter twice a year that focuses on key community notices and events. This newsletter can incorporate hazard awareness information when deemed appropriate by the Village. The Village also posts contact information online so that residents can reach the main officer, DPW, or DPW emergency answering service. The Village provides information on flood hazards and drainage through Facebook, twitter, Instagram, quarterly newsletter, weekly e-newsletter, and postcard mailings. Village Emergency Preparedness and Fire Departments also provide outreach and education in safe use of generators. In addition, residents can sign up for reverse 911 cell phone notifications of emergency situations through the Monroe County Emergency Communications Department.

9.22.6 Mitigation Strategy and Prioritization

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

Past Mitigation Initiative Status

Table 9.22-11 indicates progress on the community's mitigation strategy identified in the 2011 Plan. Previous actions that are now ongoing programs and capabilities are indicated as such in Table 9.22-11, and may also appear under "Capability Assessment" presented previously in this annex. Actions carried forward as part of this plan update are included and prioritized in the following subsection (in Table 9-22-12).



Table 9.22-11. 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	Discontinued	Not applicable to Village.
ES-4: Stockpile emergency supplies.	N/A	No Progress	N/A	Discontinued	Not applicable to Village.
ES-5: Solicit "Mutual Aid" agreements.	N/A	No Progress	N/A	Discontinued	Not applicable to Village.
ES-6: Engage emergency service jurisdictions in local municipal government processes.	DPW	Continuous	The Village of Pittsford participates in quarterly meetings with the Town of Pittsford, local emergency services and school district.	Discontinue	Ongoing operational capability
NRP-1: Ensure proper disposal of Hazardous Waste.	DPW	Continuous	The Village of Pittsford facilitates a Household hazardous waste program for residents in cooperation with Monroe County.	Discontinue	Integrated into the Village's normal operations - ongoing operational capability
NRP-2: Enforce government permit processes. This may pertain to existing and/or new infrastructure.	DPW	Ongoing	The Village of Pittsford enforces the NYS Unified Code requiring building permits.	Discontinue	Integrated into the Village's normal operations - ongoing operational capability
NRP-3: Provide comprehensive inspection services. This may pertain to existing and/or new infrastructure.	DPW	Ongoing	The Village of Pittsford has contracts in place with outside agencies.	Discontinue	Integrated into the Village's normal operations - ongoing operational capability
NRP-4: Administer a Floodplain Management Program. This may pertain to existing and/or new infrastructure.	DPW	Ongoing	Administered thru local code	Discontinue	Integrated into the Village's normal operations - ongoing operational capability
NRP-5: Maintain "Urban Forests."	N/A	No Progress	N/A	Discontinued	Not applicable to Village.
PEA-3: Review Utility Service & restoration plans.	DPW	Ongoing	Plan review for work in the right of way	Discontinue	Integrated into the Village's normal operations - ongoing operational capability
PEA-4: Identify and utilize a "Speakers Bureau."	N/A	No Progress	N/A	Discontinued	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.	DPW	Complete	2016 Monroe County HMP Update	Discontinue	Integrated into the Village’s normal operations - ongoing operational capability
PP-2: Maintain public infrastructure. This may pertain to existing and/or new infrastructure.	N/A	No Progress	N/A	Discontinued	Not applicable to Village.
PP-3: Solicit inter-municipal and interagency cooperation.	Yes	Ongoing	Shared GIS agreements Town Highway agreements with the Town.	Discontinue	Integrated into the Village’s normal operations - ongoing operational capability
PP-4: Promote purchase of appropriate hazard insurance policies. This may pertain to existing and/or new infrastructure.	N/A	No Progress	N/A	Discontinued	Not applicable to Village.
PP-5: Property acquisition	Village Board	Ongoing	Open space acquisition and historical preservation	Discontinue	Integrated into the Village’s normal operations - ongoing operational capability
PR-1: Enforce Building Code as required for existing and new infrastructure.	DPW	Ongoing	The Village of Pittsford enforces the NYS Unified Code	Discontinue	Integrated into the Village’s normal operations - ongoing operational capability
PR-2: Comply with applicable federal and state regulations.	Departmental	Ongoing	Regularly and as needed	Discontinue	Integrated into the Village’s normal operations - ongoing operational capability
PR-5: Regular review of Local Laws	Attorney, DPW Town Board	Ongoing	Regularly and as needed	Discontinue	Integrated into the Village’s normal operations - ongoing operational capability
SP-1: Disaster “proof” public facilities. This may pertain to existing and/or new infrastructure.	DPW	Ongoing	The Village of Pittsford has installed a generator at its pump station. The Village is studying the necessity for a generator for the Village Hall	Continue	Consider installing a fixed backup generator for the Village Hall
SP-2: Secure and provide redundant critical systems and facilities. This	IT	Ongoing	The Village of Pittsford contracted for critical back up of information.	Discontinue	Integrated into the Village’s normal operations - ongoing operational 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.
may pertain to existing and/or new infrastructure.					
SP-3: "Target Harden" facilities. This may pertain to existing and/or new infrastructure.	N/A	No Progress	N/A	Discontinued	Not applicable to Village.
SP-4: Expand fiber telecommunications networks.	N/A	No Progress	N/A	Discontinued	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	Discontinued	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.	Pittsford Fire Dept.	In progress	The local fire departments are carrying detectors on the apparatus to install if needed. They also encourage use thru their websites and annual open houses.	Discontinue	Integrated into the Village's normal operations - ongoing operational capability
Fire-SP-1: Local Project. Plan, design and develop enhanced, local facilities for on-site specialized emergency training.	N/A	No Progress	N/A	Discontinued	Not applicable to Village.
FI-ES-1: Provide Special Operations and Tactical Rescue training including water rescue training	Pittsford Fire Department	In progress	The Fire Departments are participating in training in coordination with Monroe County.	Discontinue	Integrated into the Village's normal operations - ongoing operational capability
FI-PEA-1: Provide information about the Erie Canal and its spillway locations	DPW	Ongoing	Informally when requested by residents	Discontinue	Integrated into the Village's normal operations - ongoing operational capability
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	Discontinued	Not applicable to Village.
FI-PP-2: Participate in the federal Community Rating System. This may	N/A	No Progress	N/A	Discontinued	Not applicable to Village.



2011 Mitigation Action	Responsible Party	Status (In progress, No progress, Complete)	Describe Status	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.
			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)?		
pertain to existing and/or new infrastructure.					
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	Discontinued	Not applicable to Village.
FI-PR-1: Implement an annual, "Waterway/ Drainage Maintenance" Program	DPW	Ongoing	Per MS4 direction	Discontinue	Integrated into the Village's normal operations - ongoing operational capability
FI-SP-1: Local Project. Implement mitigation measures for Irondequoit Creek, as identified by the U.S. Army Corps of Engineer's 2003 proposal, and as agreed by local parties. (reference – Democrat & Chronicle, 3-2-03). This may pertain to existing and/or new infrastructure.	N/A	No Progress	N/A	Discontinued	Not applicable to Village.
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	Discontinued	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	Discontinued	Not applicable to Village.
Ice-ES-2: Regularly review restoration priorities	N/A	No Progress	N/A	Discontinued	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.
Ice-ES-3: Enhance utility "Town Liaison" Program	N/A	No Progress	N/A	Discontinued	Not applicable to Village.
Ice-PEA-2: Develop alternate communications plan	N/A	No Progress	N/A	Discontinued	Not applicable to Village.
Ice-PEA-3: Provide automated utility restoration schedule to the public	N/A	No Progress	N/A	Discontinued	Not applicable to Village.
Ice-PEA-4: Provide more public outreach during an emergency	N/A	No Progress	N/A	Discontinued	Not applicable to Village.
Ice-PEA-5: Expand utility Customer Service capacity	N/A	No Progress	N/A	Discontinued	Not applicable to Village.
Ice-PEA-6: Expand information available on websites	N/A	No Progress	N/A	Discontinued	Not applicable to Village.
Ice-PP-1: Encourage installation of backup power supply. This may pertain to existing and/or new infrastructure.	N/A	No Progress	N/A	Discontinued	Not applicable to Village.
Ice-PR-1: Implement an "Annual, Tree/Stream Maintenance Program"	N/A	No Progress	N/A	Discontinued	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	Discontinued	Not applicable to Village.
Ice-PR-3: Develop DPW/DOT Plans for debris clearance, removal, and disposal	DPW	Ongoing	The Village of Pittsford has plans in place and Coordinates the removal and disposal of storm debris	Discontinue	Integrated into the Village's normal operations - ongoing operational capability
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	Discontinued	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.
Ice-SP-1: Install permanent backup power supply at public facilities. This may pertain to existing and/or new infrastructure.	DPW	Ongoing	The Village is in the process of installing back up generation for a pump station.	Discontinue	Integrated into the Village's normal operations - ongoing operational capability
Land-PEA-1: Local Project. Promote understanding and use of (telephone number) 811, "Call Before You Dig."	N/A	No Progress	N/A	Discontinued	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	Discontinued	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	Discontinued	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	Discontinued	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	Discontinued	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	Discontinued	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	Discontinued	Not applicable to Village.
Trans-PEA-1: Local Project. Provide traffic reports through the local broadcasters	N/A	No Progress	N/A	Discontinued	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	Discontinued	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	Discontinued	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.	N/A	No Progress	N/A	Discontinued	Not applicable to Village.
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	Discontinued	Not applicable to Village.



Completed Mitigation Initiatives not Identified in the Previous Mitigation Strategy

Other than those identified in the previous mitigation strategy in the 2011 Plan, the Village of Pittsford did not note completion of any additional mitigation projects/activities.

Proposed Hazard Mitigation Initiatives for the Plan Update

FEMA Region II led a meeting of 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.

Additionally, 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 the County's 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 results of the municipal risk assessment to further assist with development of their mitigation strategies. Throughout the planning process, jurisdictions had access to mitigation planners who could assist in development of the jurisdictional annexes, including mitigation strategies and action worksheets, as necessary.

Table 9.22-12 summarizes the range of specific mitigation initiatives the Village of Pittsford would like to pursue in the future to reduce effects of hazards. Some of these initiatives may be previous actions carried forward for this plan update. Implementation of these initiatives will depend on available funding (grants and local match availability), and initiatives may be modified or omitted at any time based on 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 Table 9.22-12 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 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 actions as High, Medium, or Low. Table 9.22-12 summarizes evaluation of each mitigation initiative, listed by Action Number.

Table 9.22-13 summarizes prioritization of all proposed mitigation initiatives for the Plan update.



Table 9.22-12. Proposed Hazard Mitigation Initiatives

Initiative	Mitigation Initiative	Applies to New and/or Existing Structures*	Hazard(s) Mitigated	Goals Met	Lead and Support Agencies	Estimated Benefits	Estimated Cost	Sources of Funding	Timeline	Priority	Mitigation Category	CRS Category
VPT-1	Install back-up power for the Village Hall. Study feasibility of using permanent generators versus transfer switches.	Existing	All hazards	2, 3	DPW	High – reduce risk of power outage at critical facilities	Medium	Village Budget & PDM	Long Term	Medium	SIP	PP, ES
VPT-2	Implement an assessment program to monitor and maintain the siphons under the canal.	Existing	Utility failure	2, 3	Village Board	High	Medium	Village Budget	Short	High	LPR	PR
VPT-3	Study feasibility of upgrading the stormwater infrastructure to reduce short-term flooding during routine rains. Conduct a Village-wide drainage analysis.	Existing	Flood, severe storms	1, 2, 3	DPW	High-Medium	Medium	Village Budget, FMA	Short	High	LPR	NR
VPT-4	Study Rand Creek to determine if erosion control is necessary.	Existing	Flood, severe storms, landslide	2, 5	DPW Village Board	Medium	Medium	Village Budget, Potential HMA	Short	Medium	NSP	NR
VPT-5	Conduct public outreach/education to educate the community on stormwater runoff in regards to clean water and stormwater management.	New and existing	Severe storms, flood	4, 5	DPW	Low	Low	Budget	Short Term	High	EAP, NSP	PI, NR
VPT-6	Conduct 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 those properties.	Existing	Earthquake, Flood, Infestation, Landslide, Wildfire, HazMat	1, 3, 4	Town 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 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

Potential FEMA HMA Funding Sources:

FMA Flood Mitigation Assistance Grant Program
HMGP Hazard Mitigation Grant Program

Timeline:

Short 1 to 5 years
Long Term 5 years or greater



Acronyms and Abbreviations:

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:

PDM	Pre-Disaster Mitigation Grant Program
RFC	Repetitive Flood Claims Grant Program (discontinued)
SRL	Severe Repetitive Loss Grant Program (discontinued)

Timeline:

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 ongoing program.
Medium	Could budget for under existing work plan, but would require a reapportionment of the budget or a budget amendment, or 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 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 reduction of risk exposure to life and property, or project will provide an immediate reduction in risk exposure to property.
High	Project will have an immediate impact on reduction of risk exposure to life and property.

Mitigation Category:

- **Local Plans and Regulations (LPR)** – Actions that include government authorities, policies, or codes that influence the way land and buildings are developed and built.
- **Structure and Infrastructure Project (SIP)** – Actions that 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 impacts of hazards.
- **Natural Systems Protection (NSP)** – Actions that minimize damage and losses, and also preserve or restore the functions of natural systems.
- **Education and Awareness Programs (EAP)** – 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 stormwater management regulations.
- **Property Protection (PP)** – 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 construction of structures to reduce impacts 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 protection of essential facilities*



Table 9.22-13. 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	Total	High / Medium / Low
VPT-1	Install backup power for the Village Hall. Study feasibility of using permanent generators versus transfer switches.	1	0	0	1	0	1	0	0	0	1	1	0	1	1	7	Medium
VPT-2	Implement an assessment program to monitor and maintain the siphons under the canal.	0	1	1	1	1	0	0	1	0	1	0	1	1	0	8	High
VPT-3	Study feasibility of upgrading the stormwater infrastructure to reduce short-term flooding during routine rains. Conduct a Village-wide drainage analysis.	1	1	1	1	0	1	0	0	0	1	1	1	0	0	8	High
VPT-4	Study Rand Creek to determine if erosion control is necessary	0	1	1	1	0	1	1	0	0	1	0	1	0	0	7	Medium
VPT-5	Conduct public outreach/education to educate the community on stormwater runoff in regards to clean water and stormwater management.	1	1	1	1	0	1	1	1	0	1	0	1	0	0	9	High
VPT-6	Conduct 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 those properties.	1	1	1	1	1	1	1	0	1	-1	1	1	1	1	11	High

Note: Refer to Section 6, which conveys guidance on conducting prioritization of mitigation actions.



9.22.7 Future Needs To Better Understand Risk/Vulnerability

None at this time.

9.22.8 Hazard Area Extent and Location

Hazard area extent and location maps have been generated for the Village of Pittsford that illustrate areas probably to be impacted within the municipality (see Figures 9.22-1 and 9.22-2 below). These maps are based on the best available data at the time of preparation of this Plan, and are considered adequate for planning purposes. Maps have been generated only for those hazards (i.e., landslide, wildfire, and flooding) that can be clearly identified via application of mapping techniques and technologies, and to which the Village of Pittsford has significant exposure. These maps also appear in the hazard profiles within Section 5.4, Volume I of this Plan.

9.22.9 Additional Comments

None at this time.



Figure 9.22-1. Village of Pittsford Landslide and Wildfire Hazard Area Extent and Location Map

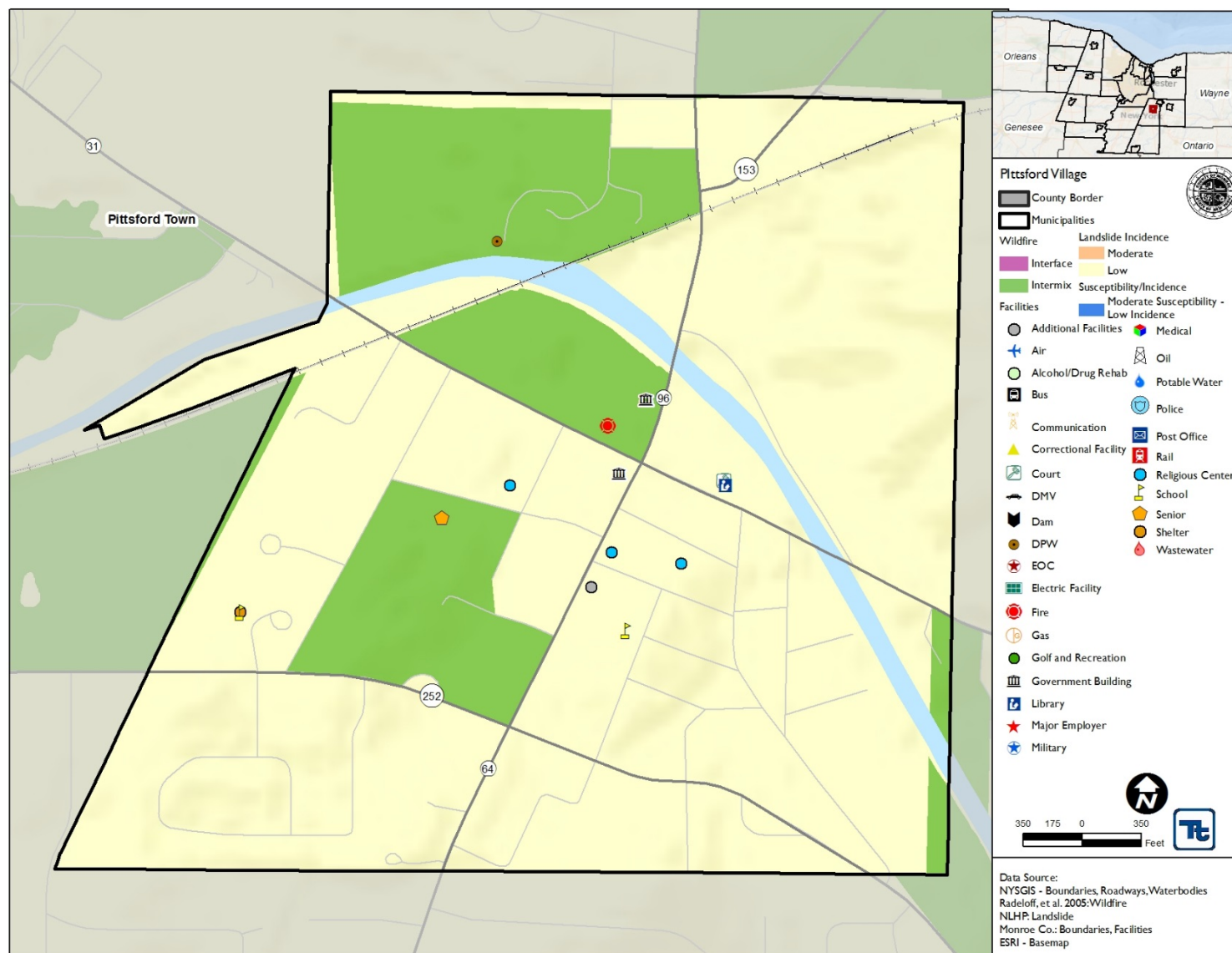
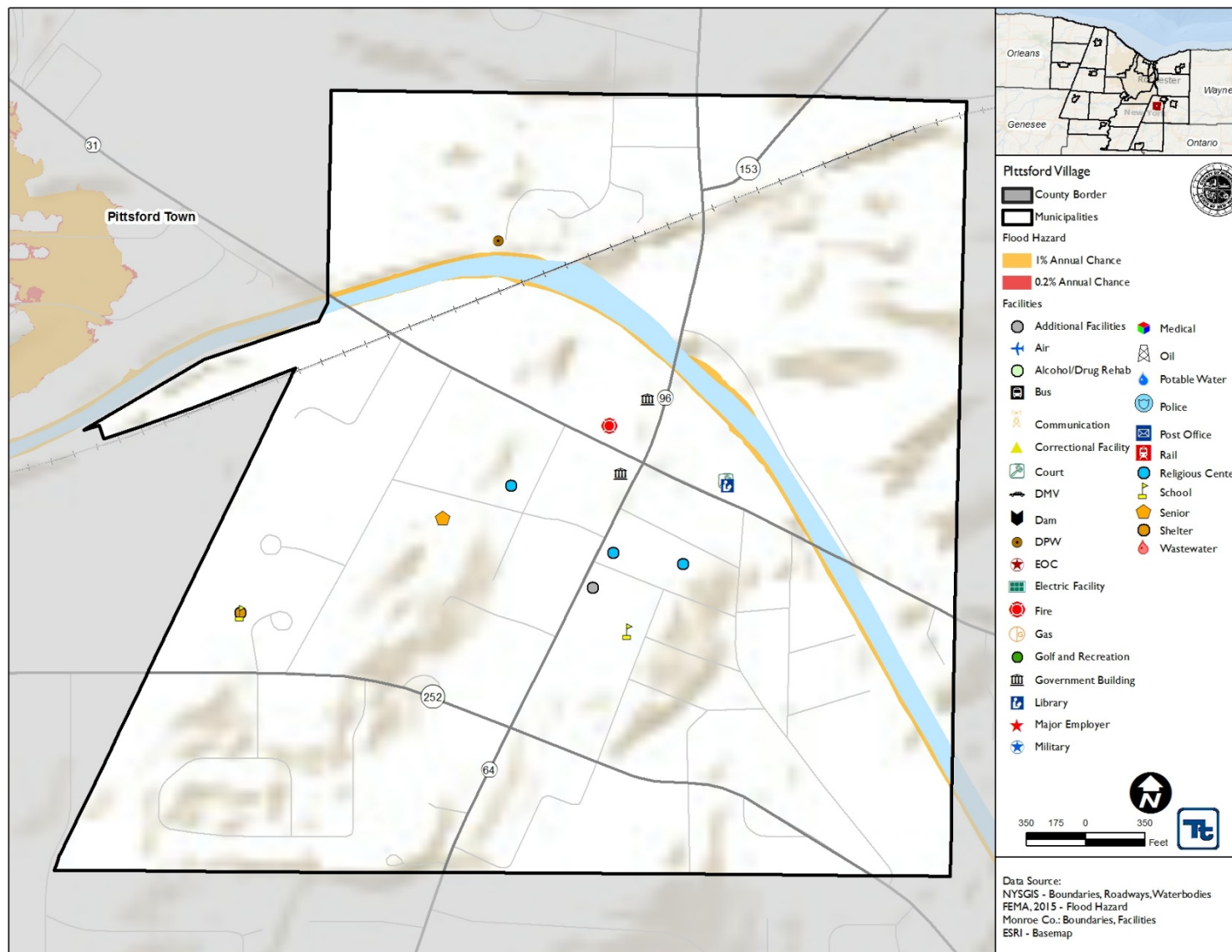




Figure 9.22-2. Village of Pittsford Hazard Area 1% and 0.2% Floodplain Map





Name of Jurisdiction: Village of Pittsford

Name and Title Completing Worksheet:

Action Number: VPT-1

Mitigation Action Name: Install backup power for the Village Hall

Assessing the Risk	
Hazard(s) addressed:	All hazards
Specific problem being mitigated:	Power loss at critical facilities
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	The Village is currently considering the feasibility of installing permanent generators or installing transfer switches to facilitate use of mobile generators.
Action/Project Intended for Implementation	
Description of Selected Action/Project	Install backup power for the Village Hall
Mitigation Action Type	SIP
Goals Met	Goal 2. Prevent hazards from impacting life, property, and the environment. Goal 3. Protect life, property, and the environment from hazard impacts.
Applies to existing and or new development, or not applicable	Existing
Benefits (losses avoided)	High – reduce risk of power outage at critical facilities
Estimated Cost	Medium
Priority*	Medium
Plan for Implementation	
Responsible Organization	DPW
Local Planning Mechanism	DPW operations
Potential Funding Sources	Budget & PDM
Timeline for Completion	Long Term
Reporting on Progress	
Date of Status Report/ Report of Progress	Date: Progress on Action/Project:



Action Number:

VPT-1

Mitigation Action Name:

Install backup power for the Village Hall

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	It would provide for continuity of government to service the community.
Property Protection	0	
Cost-Effectiveness	0	
Technical	1	It would be technically feasible
Political	0	
Legal	1	The municipality has authority, as the Village Hall is owned by the municipality.
Fiscal	0	
Environmental	0	
Social	0	
Administrative	1	The municipality has the personnel and administrative capabilities to implement the action.
Multi-Hazard	1	Eliminate need to relocate essential services, ensuring continuity of government for the residents.
Timeline	0	
Agency Champion	1	If determined feasible, it would be a supported project.
Other Community Objectives	1	The action would be a capital improvement, and would support continuity of government.
Total	7	
Priority (High, Med or Low)	Medium	