

10.2.16 Village of Highland Falls

This section presents the jurisdictional annex for the Village of Highland Falls.

10.2.16.1 Contacts

Primary and secondary contacts regarding this plan are identified as follows:

- Joseph E. D'Onofrio – Mayor
303 Main Street
Highland Falls, NY 10928
(845) 446-3400
- Edward Magryta – Treasurer
(845) 446-3400
- Gary L. Boyce – DPW Supervisor
(845) 446-4096

10.2.16.2 Municipal Profile

Population

The population as of the 2010 census was three thousand, nine hundred (3,900). The population during the 2000 census was three thousand, six hundred seventy-eight (3,678); this represents an increase of 6.0%.

Location

The Village of Highland Falls is located within the Town of Highlands in northeastern Orange County. Located on the eastern edge of Highlands, the Village directly abuts the Hudson River. It is north of the hamlet of Fort Montgomery.

Brief History

Located west of the Military Academy at West Point, the Village of Highland Falls served as a prominent focal point in the Revolutionary War. Large metal chains of iron ore were floated across the Hudson here to deter British ships from traveling upriver. After the war and the shift of West Point to a military academy, the Village became an important supplier of this facility and the whole area became a vacation destination known for its beauty. The Village was officially incorporated in 1906; initially, leaders were termed “President”; the term became “Mayor” in 1927.

Governing Body

The Village is served by the Mayor and a four (4) member Board of Trustees.

Future Growth

Geographically, not much growth is expected for the Town of Highlands. Furthermore, the Town is limited by undevelopable areas due to geology and existing land use. Much of the Town is within West Point or the Palisades Park, both undevelopable. The only area of the Town that could see feasible development is in the residential area of Fort Montgomery. As such, the Village should not expect to see any major development.

10.2.16.3 Hazard Vulnerabilities and Ranking

Risk Ranking

The Village of Highland Falls selected the follow hazards to address, seen in Table 10.2.16a. Vulnerability was decided based on frequency of occurrence and severity of impact.

Table 10.2.16a: Hazard Vulnerability by Event	
Hazard Event	Vulnerability
Flood	Moderately High
Severe Storm/ Severe Thunderstorm	Moderately High
Extreme Temperatures	Moderately High
Hurricane/Coastal Storm	Moderately High
Earthquake	Moderately Low
Tornado	Moderately Low
Winter Storm	Moderately Low
Ice Storm	Moderately Low
Drought	Moderately Low
Wildfire	Low
Landslide	Low
Technological Hazards	
Air Contamination	Moderately Low
Dam Failure	Moderately Low
Explosion	Moderately Low
Fire	Moderately Low
Fuel Shortage	Moderately Low
Hazardous Material- fixed site	Moderately Low
Hazardous Material- in transit	Moderately Low
Oil Spill	Moderately Low

Table 10.2.16a: Hazard Vulnerability by Event	
Hazard Event	Vulnerability
Radiological- fixed site	Moderately Low
Radiological- in transit	Moderately Low
Structural Collapse	Moderately Low
Transportation Accident	Moderately Low
Utility Failure	Moderately Low
Water Supply Contamination	Moderately Low

Critical Facilities

Table 10.2.16b: Critical Facility and Infrastructure Counts by Category				
Transportation Network	Water Supply Systems	Government Services	Emergency Services	Educational/ Shelter and Evacuation Facilities
-	-	1	2	2

Locations of the government building, emergency services, and educational facilities are noted below. None of these facilities are located within the 500-year floodplain.

Table 10.2.16c: Location of CFI	
Facility Name	Address
Government	
Village Offices	303 Main Street
Emergency Services	
Fire Department	9 Mountain Avenue
Police	303 Main Street
Educational	
Highland Falls Elementary	51 Mountain Avenue
Highland Falls Middle School	52 Mountain Avenue

The Village of Highland Falls has zero critical facilities within the 500-year floodplain or the high hazard Landslide Rating¹ area. The following table identifies the structures and hazard issues.

Table 10.2.18d: Village of Highland Falls Critical Facilities and Infrastructure in Hazard Areas		
Critical Infrastructure	500-Yr Flood	Landslide Rating Area
Note: No Critical Facilities or Infrastructures within the Village of Highland Falls are located within the 500-year floodplain or high landslide risk area.		

¹ Areas with a landslide rating in of greater than 37 are considered hazardous. The data was derived from HAZUS software analysis.

As indicated in Section 2.8, participating municipalities did not wish to disclose the locations of public water systems facilities due to security concerns. However, they acknowledge the criticality of such facilities. While it is assumed that most municipal water systems facilities are not located within the floodplain, these jurisdictions will explore hardening/relocation opportunities for those that are located within the floodplain should such actions become necessary due to the incidence of flooding impacts.

By necessity, critical wastewater facilities are located within the 500-year floodplain due to discharge requirements and gravity-fed systems optimization. While relocation is neither desired nor feasible, participating municipalities will seek to harden these facilities where feasibly and fiscally possible.

Table 2.8a – Orange County NPDES Data lists all wastewater facilities in the County, including the Village of Highland Falls, with a NPDES (National Pollutant Discharge Elimination System) permit. In the case of New York State, NPDES permit listing match State Pollutant Discharge Elimination System (SPDES) permit listings.

Priority Hazard Events

The following sections detail the priority hazard events identified by the jurisdiction. Additional information about each hazard including frequency, history, and severity within Orange County is included within Section 5.0 of the main body of the Hazard Mitigation Plan (Volume I).

The probability of climate-related hazard events is generally expected to increase in the future within the Village of Highland Falls. This anticipated increase results from the expected increase in weather volatility associated with climate change. Hudson River communities will also experience increased threat of flooding due to sea level rise.

Past occurrences of hazard events are indicated in their respective profiles below. Some hazards may not have locally available documentation of past occurrence, but are nonetheless profiled in this annex to instill future mitigation planning consideration.

Flood

The major hydrology influencing bodies for the Village are the Popolopen Creek drainage basin and the Hudson River.

FEMA's Flood Insurance Mapping Program designates areas that are at risk for flooding; low flood risk are areas unlikely to flood, moderate risk are areas within the 500-year floodplain (.2% likely to flood in any given year), and high risk are areas that frequently flood, up to the 100-year flood risk zone (1% likely to flood in any given year).

Total Land Area (Acres)	100-yr Flood Risk Area	500-yr Flood Risk Area	Low Risk Flood Area
711	39 (6%)	9 (1%)	663

Additionally, one (1) percent of the Village's improved value areas (defined as property that is either actively utilized or has been developed) are located within the high risk flood areas (99% is within low risk areas).

The National Flood Insurance Program (NFIP) tracks properties that have had several claims. No repetitive loss claims are reported, as indicated in Table 8.2c.

Below is a table that illustrates the value of property in the Village of Highland Falls that is located within the 500-year floodplain and is categorized by land use type. This table was derived from FEMA floodplain mapping and parcel data from the Orange County Property Assessor.

Type of Structure	# Structures in Hazard Area	Value of Structures (in millions)
Residential	200	\$25.5
Commercial	6	\$7.0
Industrial	0	\$0
Agricultural	0	\$0
Religious/Non-profit	0	\$0
Government	6	\$2.0
Education	0	\$0
Utilities	4	\$1.2
Dams	0	\$0
Parks	0	\$0
Total	216	\$35.7

Historical Occurrence:

In the past ten (10) years there is no record of any Floods that have explicitly impacted the Village of Highland Falls however, there have been a number of recorded occurrences within Orange County. The information can be found in the main body of the document.

Extreme Temperatures

For a description of this hazard, please see section 5.1.

Historical Occurrence:

In the past ten (10) years there is no record of any Extreme Temperatures that have explicitly impacted the Village of Highland Falls. However, there have been a number of recorded

occurrences within Orange County. The information can be found in the main body of the document.

Severe Storm/Severe Thunderstorm

The National Weather Service (NWS) defines a severe storm as one with a tornado and/or surface hail ¾" or greater and/or wind gusts fifty (50) knots (kts) (58 mph) or greater. Such storms can cause damage from wind, hail, heavy rainfall, and/or lightning strikes.

Historical Occurrence:

Searching NOAA's Storm Events Database with the queries "Thunderstorm Wind", "High Wind", and "Hail" yielded two (2) events within and around the Village of Highland Falls.

- June 10, 2008: Winds reported at sixty-one (61) kts (70 mph). Large tree fell onto a house on Cedar Lane.
- August 8, 2011: Trees were reported down in Highland Falls, including along Route 9W and Route 118.

It is important to note that these events generally affect large geographic areas and reports specific to municipalities aren't often recorded.

Hurricane/Coastal Storms

For a description of these hazards, please see section 5.3.

Historical Occurrence:

In the past ten (10) years there is no record of any Hurricanes or Coastal Storms that have explicitly impacted the Village of Highland Falls however, there have been a number of recorded occurrences within Orange County. The information can be found in the main body of the document. It is of note that hurricane threats could potential increase due to climate change trends.

Drought

For a description of this hazard, please see section 5.5.

Historical Occurrence:

In the past ten (10) years there is no record of any Droughts that have explicitly impacted the Village of Highland Falls however, there have been a number of recorded occurrences within Orange County. The information can be found in the main body of the document.

Landslide

Landslides occur when a slope fails and moves downward due to gravity; this can be caused by anything that disrupts ground stability, from storms to acts of man. The New York State

Geological Survey denotes areas with steep slopes and glacial lake clay soils as landslide vulnerable. While there are no areas within the Village of Tuxedo Park that meet these criteria, the village, has areas with steep slopes and ridgelines, these step terrain areas are generally wooded, increasing the probability for a potential landslide in the future. However, the majority of the Village is located within “low incidence” for landslides.

Below is a table that illustrates the value of property in the Village of Highland Falls that is located within the landslide rating area and is categorized by land use type. This table was derived from GIS mapping and parcel data from the Orange County Property Assessor.

Type of Structure	# Structures in Hazard Area	Value of Structures (in millions)
Residential	200	\$25.5
Commercial	6	\$7.0
Industrial	0	\$0
Agricultural	0	\$0
Religious/Non-profit	0	\$0
Government	6	\$2.0
Education	0	\$0
Utilities	4	\$1.2
Dams	0	\$0
Parks	0	\$0
Total	216	\$35.7

Historical Occurrences:

In the past ten (10) years there is no record of any Landslides that have explicitly impacted the Village of Highland Falls however, there have been a number of recorded occurrences within Orange County. The information can be found in the main body of the document.

Earthquake

For a description of hazard, please see section 5.7.

Historical Occurrence:

In the past ten (10) years there is no record of any Earthquakes that have explicitly impacted the Village of Highland Falls however, there have been a number of recorded occurrences within Orange County. The information can be found in the main body of the document.

Winter Storm

For a description of this hazard, please see section 5.8.

Historical Occurrences:

In the past ten (10) years there is no record of any Winter Storms that have explicitly impacted the Village of Highland Falls however, there have been a number of recorded occurrences within Orange County. The information can be found in the main body of the document.

Wildfire

Wildfires can be caused by natural hazards (lightning) but are much more often manmade, either accidental in cause or arson. These most often occur during the summer, associated with the drier conditions which allow vegetation and brush to readily burn.

According to the 2011 Orange County Hazard Mitigation Plan, the Town of Highlands ranked the highest for total area within a wildlife risk zone at seventy-nine (79) percent due to the vast tracts of undeveloped land within the Town, particularly the Palisades Interstate Park and West Point Reserve. However, the Village itself is relatively protected from these damages.

While the affected areas are usually uninhabited, these events can have long term implications on the Town's resources as well as discourage the tourism industry.

Historical Occurrence:

Numerous events have been reported by the Fort Montgomery Fire Department, within the Town of Highlands, between the years of 1993-2007.

· 1993: 17	· 1998: 5	· 2003: 5
· 1994: 4	· 1999: 26	· 2004: 6
· 1995: 10	· 2000: 7	· 2005: 12
· 1996: 2	· 2001: 9	· 2006: 6
· 1997: 6	· 2002: 5	· 2007: 7

Table 5.9a in Section 5.9.3 indicates that the Town of Highlands experienced a wildfires-per-square-mile rate of 3.5-18.5 during the 2001 – 2015 timeframe.

Ice Storm

For a description of this hazard, please see section 5.8.

Historical Occurrence:

In the past ten (10) years there is no record of any Ice Storms that have explicitly impacted the Village of Highland Falls however, there have been a number of recorded occurrences within Orange County. The information can be found in the main body of the document.

Dam Failure

Please see Section 2.8.3.1 for a description of dams and their hazard implications in Orange County.

Historical Occurrences:

Within the Town of Highlands, the Lusk Reservoir Dam is classified as “C” dam and is located at West Point, just northwest of the Village of Highland Falls. This dam is two hundred twenty-five (225) feet in length with a height of thirty (30) feet; the spillway width measures eighteen (18) feet. Normal storage for the reservoir is one hundred thirty (130) acre-feet with a maximum storage of two hundred eighty-three (283) feet. While maintenance work was undertaken in 2012, the classification was not changed as of a 2015 inspection.

Should the dam fail, the majority of structures affected would be located within the Village of Highland Falls.

10.2.16.4 Capability Assessment*Planning and Regulatory Capability*

Table 10.2.16g: Legal and Regulatory Capabilities for Village of Highland Falls		
Regulatory Tools for Hazard Mitigation	Description	Responsible Department/Agency
Codes and/or Ordinances	<ul style="list-style-type: none"> • 2010 Residential Code of NYS • 2010 Fire Code of NYS • 2010 Building Code of NYS • 2010 Exiting Building Code of NYS • 2010 Energy Conservation Construction Code of NYS • 2010 Plumbing Code of NYS • 2010 Mechanical Code of NYS • 2010 Fuel Gas Code of NYS 	Building Department
	<ul style="list-style-type: none"> • Zoning Ordinance • Subdivision Ordinance • Floodplain Ordinance • Natural Hazard Specific Codes (Snow and Ice removal, Stormwater Management) 	Planning Board
Plans, Manuals, and/or Guidelines	<ul style="list-style-type: none"> • Stormwater Management • Comprehensive Plan (2006) • Local Emergency Operations Plan (2006) • Continuity of Operations Plan (2006) 	Planning Board
Studies	<ul style="list-style-type: none"> • FIRM Flood Insurance Rate Maps, 2009 	Town Board/Building Department

Administrative and Technical

Table 10.2.16h: Summary of Administrative and Technical Staff Capabilities for Village of Highland Falls		
Staff/Resources	b	Notes
Chief Building Official	b	Full Time
Floodplain Administrator	b	Full Time
Emergency Manager	b	Full Time
Community Planner	b	Part Time
Civil Engineer	b	Part Time
GIS Coordinator/HAZUS	b	Part Time
Grant Writer	b	Village Engineer
Maintenance Programs to Reduce Risk (tree trimming, etc.)	b	Highway Department
Mutual Aid Agreements	b	-

Fiscal Capabilities

Table 10.2.16i: Fiscal Opportunities for the Village of Highland Falls		
Financial Resources	Accessible or Eligible to Use (Yes, No, Don't Know)	Comments
Community Development Block Grants	Yes	Special Projects
Capital Improvements Project funding	No	
Authority to levy taxes for specific purposes	Yes	Water/Sewer
Fees for water, sewer, gas, or electric service	Yes	Water/Sewer
Impact fees for homebuyers or new developments/homes	Yes	Recreation
Incur debt through general obligation bonds	Yes	Municipal Projects
Federal/State Funding	Yes	Grant Requests

NFIP: Administrator, Vulnerability, Resources, Compliance

The Village of Highland Falls Building Inspector serves as the Floodplain Administrator. The Village began participation (policy ID 361453) on July 11, 1975. As of January 31, 2018, six (6) policies are in effect for a total value of \$1,304,400. See Section 8.2 for more on NFIP data. The Village is considered to be in compliance. The Village has been maintaining NFIP participation by performing the duties and actions that were listed in the local laws that their municipal boards adopted. (Local Law #4 of 2009)

The Village's Floodplain Administrator has been provided a NFIP best practices incorporation guidance document and will be using it to improve local participation in NFIP standards going forward. This package of documents was provided by NYSDHSES and can be found in Appendix F - NFIP Floodplain Administrator Guidance Package.

Hazard Mitigation: Existing and Planning Mechanisms

Emergency Communications, Routes, and Shelters:

The Village utilizes a Community Alert Text Messaging System for emergencies. Orange County uses the CodeRED system for emergency notification. The Village follows emergency route rules set by Orange County. The Village has one (1) designated emergency shelter: Highland Falls Firehouse (9 Mountain Ave., Highland Falls, NY 10928). More information on these sites can be found in Attachment III.

Comprehensive Plan:

The Village Comprehensive Plan was passed in 2006 and includes language to address hazards, identify projects for mitigation, and implement mitigation actions.

Planning Mechanisms:

While this annex has provided a summary and description of existing plans, policies, and regulatory mechanisms that support hazard mitigation, the 2018 Orange County Hazard Mitigation Plan Update is intended to allow for the integration of its recommendations and data into local plans. Listed below are several planning and policy mechanisms that lend themselves to the integration of materials and objectives from this hazard mitigation plan. Columns to the right indicate whether the municipality has utilized hazard mitigation planning elements in the past (as in the aftermath of a previous local hazard mitigation plan) and whether they intend to be utilized in the future (which most, if not all, do).

Planning Mechanism	Has been Utilized	May be Utilized
Capital Improvement Budget: Hazard Mitigation Actions to be considered during the development of annual capital improvement plans. Compliance with Hazard Mitigation goals and objectives as well as the hazard vulnerability of site will be a consideration during the evaluation of infrastructure and facilities projects.		X
Operating Budget: Hazard Mitigation Actions to be considered within day-to-day operating budgets as funding permits.		X
Building & Zoning Ordinances: Review of the hazard mitigation plan and hazard analyses are part of the evaluation of land use, zoning, and development review ordinances and permitted processes.		X
Comprehensive Land Use Plan: Elements such as hazard vulnerability and hazard area extents will be considered during the development of future land use maps and other elements of comprehensive planning.		X
Human Resource Manual: Employee job descriptions may contain elements related to hazard mitigation planning and associated recommendations.		X
Grant Applications: Support for funding requests in the form of data, maps, and priority recommendations will be drawn from the hazard mitigation plan.		X

Planning Mechanism	Has been Utilized	May be Utilized
Fire Plan: Fire Plans for the municipality and local fire departments can utilize data and mapping in the hazard mitigation plan.		X
Local School Service Projects: Municipal officials and staff can explore the possibility of collaboration with local school districts to provide avenues for student community service projects as well as educational opportunities.		X
Economic Development: Local chambers of commerce and other economic development agencies can utilize the hazard mitigation plan to better inform new/expanding businesses in finding a location.		X

Summary

This Hazard Mitigation Plan will serve to further identify mitigation action and plans to inform the Comprehensive Plan as well as Village Codes specific to Hazard events.

10.2.16.5 Mitigation Strategy and Prioritization

Past, Completed, and Ongoing Initiatives

The Village has not identified any past, completed, or ongoing mitigation strategies.

Proposed Initiatives

Action	Description	Involved Agency(ies)	Funding Source(s)
HV-1	Improve the Highland Falls Community / Senior Center into an Emergency Shelter with a natural gas supplied generator to provide emergency power to the entire building.	Village Board, Mayor's Office, DPW, Village Engineer	Village of Highland Falls Tax Base, CDBG, FEMA: HMGP and PDM Funds, NYS Legis. Member Item or other grants.
HV-2	Improve the Highland Falls Community / Senior Center into an Emergency Shelter with ADA compliant entrance and egress and; ADA compliant Men's, Ladies', Family and, Gender Sensitive Restroom Facilities.	Village Board, Mayor's Office, DPW, Village Engineer	Village of Highland Falls Tax Base, CDBG, FEMA: HMGP and PDM Funds, NYS Legis. Member Item or other grants.
HV-3	Improve the Highland Falls Community / Senior Center Heating, Ventilation and Air Conditioning System (HVAC) so that the facility could be used as an Emergency Shelter.	Village Board, Mayor's Office, DPW, Village Engineer	Village of Highland Falls Tax Base, CDBG, FEMA: HMGP and PDM Funds, NYS Legis. Member Item or other grants.

Table 10.2.16k: Mitigation Actions/Projects Identified by Village of Highland Falls			
Action	Description	Involved Agency(ies)	Funding Source(s)
HV-4	Prevent water supply contamination by installing and upgrading fencing, gates, cameras, and alarms at Mountain Ave. filter plant and reservoir.	Water Dept., Police Dept., Village Engineer, Village Board, Village Planning Board	FEMA: HMGP and PDM Funds
HV-5	Raise Bog Meadow Dam	Village Board, Village Planning Board, Village Engineer, DPW	FEMA: HMGP and PDM Funds
HV-6	Develop fuel storage necessary to prevent shortages with generators and for municipal vehicles	Village Board, Village Planning Board, Village Engineer, DPW	FEMA: HMGP and PDM Funds
HV-7	Relocate utility lines underground along Main Street	Village Board, Village Planning Board, Village Engineer	FEMA HMGP, FEMA PDM, Utility Company
HV-8	Replace stormwater system bottlenecks, raise stream banks, and rebuild retaining walls along Highland Brook	Village Board, Village Planning Board, Village Engineer, DPW	FEMA: HMGP and PDM Funds
HV-9	Build structure to house chemical and salt storage at Village DPW	Village Board, Village Planning Board, Village Engineer, DPW	FEMA: HMGP and PDM Funds
HV-10	Acquisition and demolition of dangerous structures	Village Board, Village Planning Board, Village Engineer, Building Dept.	FEMA: HMGP and PDM Funds

STAPLEE forms were completed for each of these actions. A table with these evaluations can be found in Attachment II of this jurisdictional annex.

“STAPLEE” refers to the following lenses of evaluation: social, technological, administrative, political, legal, economic, and environmental.

Future Needs

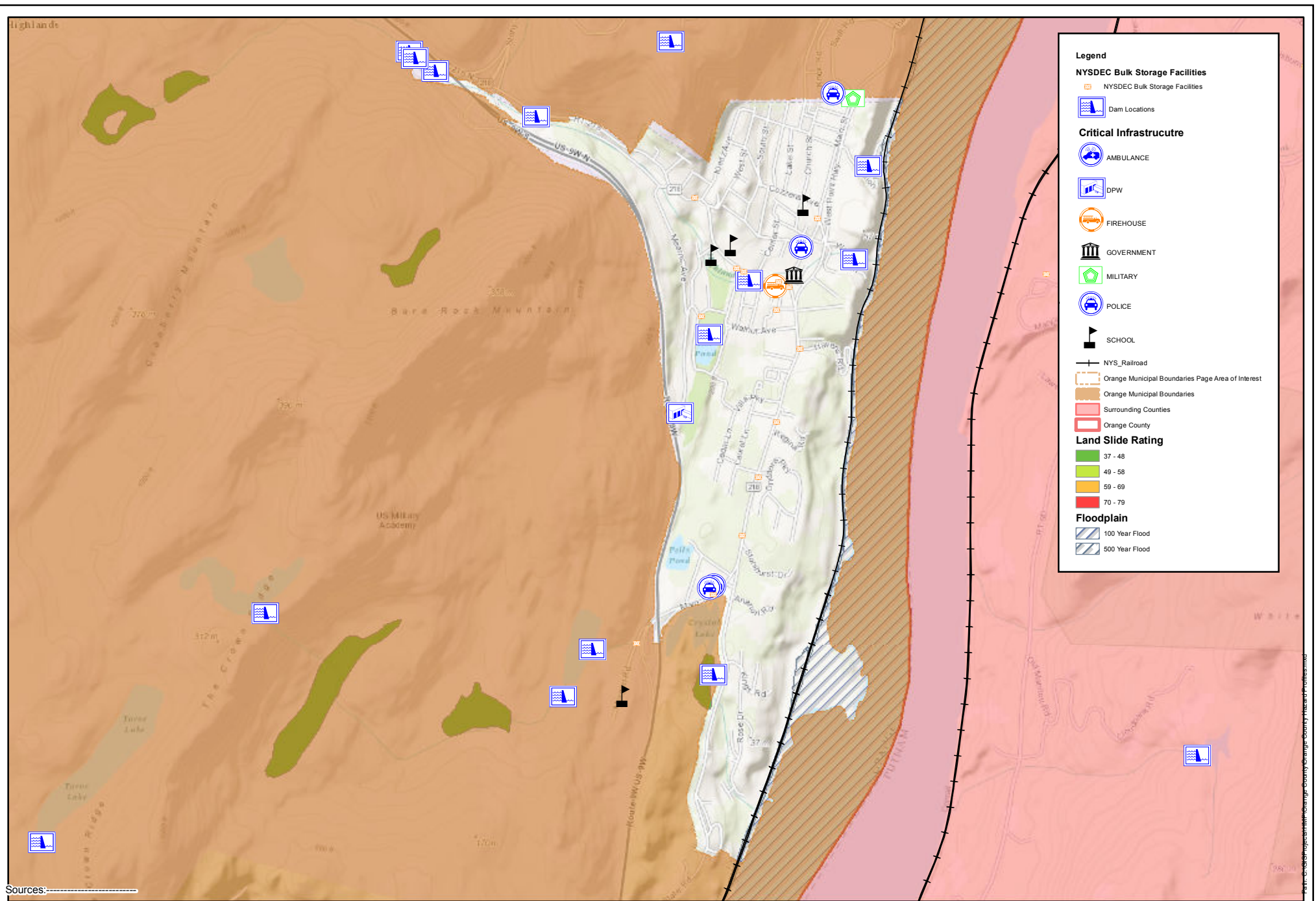
The Village has not identified any future needs.

10.2.16.6 Hazard Area Extent and Location

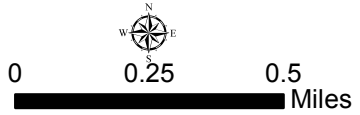
A map demonstrating the location of certain hazard areas is attached as Attachment I.

Attachment I

Hazard Area Extent and Location Map - Village of Highland Falls



Sources: _____



Path: C:\GIS\Projects\HMP\Orange County\Orange County Hazard Mitigation.mxd

Attachment II

STAPLEE Mitigation Action Cost/Benefit Analysis - Village of Highland Falls

STAPLEE Criteria Consideration Tables
Mitigation Action Prioritization and Comparison

Jurisdiction:

Village of Highland Falls

Action ID	Action	S	T	A	P	L	E	E	Can action be easily implemented?	Does action achieve multiple plan objectives?	Can action be quickly implemented?	Level of action benefits	Level of action overall costs	Priority ranking
		+ = benefit (favorable), - = cost (unfavorable), 0 = neutral or N/A											Levels = high, medium, or low	
HV-1	Improve the Highland Falls Community / Senior Center into an Emergency Shelter with a natural gas supplied generator to provide emergency power to the entire building.	+	+	-	+	+	-	0	-	+	-	High	Low	High
HV-2	Improve the Highland Falls Community / Senior Center into an Emergency Shelter with ADA compliant entrance and egress and; ADA compliant Men's, Ladies', Family and, Gender Sensitive Restroom Facilities.	+	+	0	0	+	0	0	+	+	+	Medium	Medium	High
HV-3	Improve the Highland Falls Community / Senior Center Heating, Ventilation and Air Conditioning System (HVAC) so that the facility could be used as an Emergency Shelter.	+	0	0	+	+	0	0	0	+	0	Medium	Medium	High
HV-4	Prevent water supply contamination by installing and upgrading fencing, gates, cameras, and alarms at Mountain Ave. filter plant and reservoir.	+	+	+	+	+	0	+	+	+	+	Medium	High	Low
HV-5	Raise Bog Meadow Dam	+	+	+	+	+	0	+	0	+	-	High	High	Low
HV-6	Develop fuel storage necessary to prevent shortages with generators and for municipal vehicles	+	0	0	0	0	-	0	0	0	+	Low	Low	Low
HV-7	Underground utility lines along Main Street	+	-	0	+	-	-	+	-	+	-	Medium	High	Low
HV-8	Replace stormwater system bottlenecks, raise stream banks, and rebuild retaining walls along Highland Brook	+	+	0	+	+	-	+	-	+	-	High	High	High
HV-9	Chemical and salt storage at Village DPW	+	+	+	+	+	0	-	+	0	+	Medium	Medium	Medium
HV-10	Acquisition and Demolition of dangerous structures	0	+	0	0	+	0	+	0	+	0	Medium	Medium	Low

Attachment III

**Hazard Mitigation Worksheets -
Village of Highland Falls**

Mitigation Actions and Strategy Detail Worksheet

Action Worksheet	
Name of Jurisdiction	Village of Highland Falls
Name of Hazard Mitigation Plan	Orange County Multi-Jurisdictional Hazard Mitigation Plan
Potential Actions/Projects (not being implemented at this time)	
Action/Project Number	HV-1
Name of Action/Project	Improve the Highland Falls Community/Senior Center into an Emergency Shelter with a natural gas supplied generator to provide emergency power to the entire building.
Summary of Evaluation: Benefits (losses avoided), estimated costs, and other factors considered	<p>Provide backup power to all essential systems for the Village of Highland Falls Community/ Senior Center to be maintained as the Village of Highland Falls critical incident command center, Emergency Reception Center for evacuation and/or as a Red Cross Emergency Shelter and, FEMA Disaster Recovery Center.</p> <p>Within one eighth of a mile of this center there are two senior citizen complexes' that have been in the past evacuated due to flooding, there total estimated residency is 250 people.</p> <p>Cost: \$ 50,000.00</p>
Plan for Implementation	
Responsible Organization	Mayor's Office, Department of Public Works, Village Board
Action/Project Priority	Priority #1
Potential Funding Sources	Village of Highland Falls Tax Base, CDBG, FEMA: HMGP and PDM Funds, New York State Assemblyman's Initiative, New York State Senator's Initiative or other grants.
Other assisting organizations, entities, etc.	Public Works
Local planning mechanisms to be used in project/action implementation, if any	Village Engineer, DPW Superintendent
Progress Report	
Date of status report	None
Report of progress	None
Evaluation of effectiveness	N/A

Mitigation Actions and Strategy Detail Worksheet

Action Worksheet	
Name of Jurisdiction	Village of Highland Falls
Name of Hazard Mitigation Plan	Orange County Multi-Jurisdictional Hazard Mitigation Plan
Potential Actions/Projects (not being implemented at this time)	
Action/Project Number	HV-2
Name of Action/Project	Improve the Highland Falls Community/Senior Center into an Emergency Shelter with ADA compliant entrance and egress and; ADA compliant Men's, Ladies', Family and, Gender Sensitive Restroom Facilities.
Summary of Evaluation: Benefits (losses avoided), estimated costs, and other factors considered	Benefits of this project; Make the Village of Highland Falls Community/ Senior Center to function as and be maintained as the Village of Highland Falls critical incident command center, Emergency Reception Center for evacuation and/or as a Red Cross Emergency Shelter and, FEMA Disaster Recovery Center. Within one eighth of a mile of this center there are two senior citizen complexes' that have been in the past evacuated due to flooding, there total estimated residency is 250 people. Cost: \$ 75,000.00
Plan for Implementation	
Responsible Organization	Mayor's Office, Department of Public Works, Village Board
Action/Project Priority	Priority # 2
Potential Funding Sources	Village of Highland Falls Tax Base, CDBG, FEMA: HMGP and PDM Funds, New York State Assemblyman's Initiative, New York State Senator's Initiative or other grants.
Other assisting organizations, entities, etc.	Public Works and Village of Engineer
Local planning mechanisms to be used in project/action implementation, if any	Village Engineer, DPW Superintendent
Progress Report	
Date of status report	None
Report of progress	None
Evaluation of effectiveness	N/A

Mitigation Actions and Strategy Detail Worksheet

Action Worksheet	
Name of Jurisdiction	Village of Highland Falls
Name of Hazard Mitigation Plan	Orange County Multi-Jurisdictional Hazard Mitigation Plan
Potential Actions/Projects (not being implemented at this time)	
Action/Project Number	HV-3
Name of Action/Project	Improve the Highland Falls Community/Senior Center Heating, Ventilation and Air Conditioning System (HVAC) so that the facility could be used as an Emergency Shelter.
Summary of Evaluation: Benefits (losses avoided), estimated costs, and other factors considered	<p>Benefits of this project; Make the Village of Highland Falls Community/ Senior Center to function as and be maintained as the Village of Highland Falls critical incident command center, Emergency Reception Center for evacuation and/or as a Red Cross Emergency Shelter and, FEMA Disaster Recovery Center.</p> <p>Within one eighth of a mile of this center there are two senior citizen complexes' that have been in the past evacuated due to flooding, there total estimated residency is 250 people. Cost: \$ 50,000.00</p>
Plan for Implementation	
Responsible Organization	Mayor's Office, Department of Public Works, Village Board
Action/Project Priority	Priority # 3
Potential Funding Sources	Village of Highland Falls Tax Base, CDBG, FEMA: HMGP and PDM Funds, New York State Assemblyman's Initiative, New York State Senator's Initiative or other grants.
Other assisting organizations, entities, etc.	Public Works and Village of Engineer
Local planning mechanisms to be used in project/action implementation, if any	Village Engineer, DPW Superintendent
Progress Report	
Date of status report	None
Report of progress	None
Evaluation of effectiveness	N/A

Orange County
Multi-Jurisdictional All Natural Hazard Mitigation Plan
Emergency Shelter Questionnaire

	Current Emergency Shelter
Name of Your Municipality:	<u>Village of Highland Falls</u>
Common Name of Your Emergency Shelter:	<u>Highland Falls Firehouse</u>
Street Address of Your Emergency Shelter:	<u>9 Mountain Avenue</u>
	<u>Highland Falls, NY 10928</u>
Name of the Owner of Your Emergency Shelter:	<u>Highland Falls Fire Department</u>
Name of the Regular Occupant of Your Emergency Shelter:	<u>Highland Falls Fire Department</u>

Name of Jurisdiction: _____

**RESOLUTION
TO AUTHORIZE THE ACCEPTANCE AND ADOPTION OF THE
MULTI-JURISDICTIONAL HAZARD MITIGATION PLAN UPDATE FOR
ORANGE COUNTY, NEW YORK**

WHEREAS, the Orange County Department of Emergency Services, with the assistance from Barton & Loguidice, D.P.C., has gathered information and prepared the Multi-Jurisdictional Hazard Mitigation Plan Update for Orange County, New York; and

WHEREAS, the Multi-Jurisdictional Hazard Mitigation Plan Update for Orange County, New York has been prepared in accordance with the Disaster Mitigation Act of 2000 and Title 44 Code of Federal Regulations (CFR), Part 201; and

WHEREAS, Title 44 CFR, Chapter 1, Part 201.6(c)(5) requires each local government participating in the preparation of a Multi-Jurisdictional Mitigation Plan or Plan Update to accept and adopt such plan; and

WHEREAS, the Village of Highland Falls, has reviewed the 2016 Multi-Jurisdictional Hazard Mitigation Plan Update for Orange County, has found the document to be acceptable, and as a local unit of government, has afforded its citizens an opportunity to comment and provide input regarding the Plan Update and the actions included in the Plan;

WHEREAS, the Village of Highland Falls, will consider the Multi-Jurisdictional Hazard Mitigation Plan Update for Orange County during the implementation and updating of local planning mechanisms, and will incorporate the hazard assessment data, hazard vulnerabilities, and mitigation actions in these mechanisms, where applicable;

NOW THEREFORE, BE IT RESOLVED, that the Village of Highland Falls, as a participating jurisdiction, adopts the Multi-Jurisdictional Hazard Mitigation Plan Update for Orange County, New York, dated May 2016.

This resolution was thereupon declared duly adopted on _____.

(Mayor)

(Clerk)