

10.2.24 Village of Montgomery

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

10.2.24.1 Contacts

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

- Ralph “Buddy” Nelson – DPW Superintendent
133 Clinton Street, P.O. Box 116
Montgomery, NY 12549
(845) 457-5321
- L. Stephen Brescia – Village Mayor
133 Clinton Street, P.O. Box 116
Montgomery, NY 12549
(845) 457-9661

10.2.24.2 Municipal Profile

Population

The population of the Village of Montgomery was three thousand, eight hundred fourteen (3,814) during the 2010 census. This is a 4.9% increase over the three thousand, six hundred thirty-six (3,636) reported in 2000.

Location

The Village of Montgomery is located in the northcentral portion of Orange County. The Village is centered within the Town of Montgomery. Much of the Village is representative of a river valley, as the Wallkill River flows north to west through it.

Brief History

During the Colonial Era, a patent was granted to Henry Wileman in 1710. The land was settled primarily by Palatine Germans. By 1772, the Town was incorporated as Hanover. Ten (10) years later, the name Montgomery was adopted. Originally named Ward’s Bridge for one (1) of the first settlers in the area and owner of a grist mill, the Village of Montgomery was incorporated in 1810.

The overall Town is known as the “transportation hub of the northeast” due to the influence of rail yards in the region. The Village has continued to grow steadily even after the decline of railroad transportation.

Governing Body

The Village is served by the Village Mayor, Deputy Mayor and a three (3) member Board of Trustees.

Future Growth

The Village's latest draft (2016) Comprehensive Plan seeks to preserve open space, historic properties and recreational opportunities as the population continues to grow. A focus has been placed on revitalization rather than major development.

No major developments have been brought before the Planning Board in the past six (6) months.

10.2.24.3 Hazard Vulnerabilities and Ranking

Risk Ranking

The Village selected the following hazards to address, seen in Table 10.2.24a. Vulnerability was decided based on frequency of occurrence and severity of impact.

Hazard Event	Vulnerability
Flood	Moderately High
Severe Storm/ Severe Thunderstorm	Moderately High
Extreme Temperatures	Moderately High
Hurricane	Moderately High
Earthquake	Moderately Low
Tornado	Moderately Low
Winter Storm	Moderately Low
Ice Storm	Moderately Low
Drought	Moderately Low
Wildfire	Low
Ice Jam	Low
Landslide	Low

Critical Facilities

A list of community Critical Facilities was generated to aid in mitigation planning. The table below summarizes the number of these facilities within the Village of Montgomery which may be impacted by any of the previously noted hazards.

This information was used to identify potential needed improvements to existing Critical Facilities. Critical facilities were identified by the Village as meeting this definition: "Any structure(s) and/or infrastructure within a community whose incapacity or destruction would:

- Have a debilitating impact on the defense or economic security of that community.
- Significantly hinder a community’s ability to recover following a disaster.”

Discretion was left up to the participating jurisdiction to select these facilities.

Table 10.2.24b: Critical Facility and Infrastructure Counts by Category		
Government Services	Emergency Services	Educational/Shelter and Evacuation Facilities
1	2	2

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

Table 10.2.24c: Location of CFI	
Facility Name	Address
Government	
Village Hall of Montgomery	133 Clinton Street
Emergency Services	
Montgomery Fire Department	136 Ward Street
Montgomery Police Department	65 Bachelor Street
Educational/Shelter	
Montgomery Elementary	141 Union Street
Montgomery Senior Center	36 Bridge Street

The Village of Montgomery has zero (0) critical facilities within the 500-year floodplain or the high hazard Landslide Rating¹ area. Below is a table that identifies the structures and hazard issues. For a hazard area description, location and associated proposed mitigation action please refer to Section 7.5.3.

Table 10.2.24d Village of Montgomery Critical Facilities and Infrastructure in Hazard Areas		
Critical Infrastructure	500-Yr Flood	Landslide Rating Area
Note: No Critical Facilities or Infrastructure within the Village of Montgomery is located within the 500-year floodplain or the high landslide risk area.		

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.

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

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 Montgomery, 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 Montgomery. This anticipated increase results from the expected increase in weather volatility associated with climate change. Wallkill River communities will also experience increased threat of flooding due to sea level rise. The Wallkill River Watershed also contributes to increased flooding occurrences.

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 waterbody is the Wallkill River, which flows from the southeast to the northwest through the Village.

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 (0.2% 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).

Table 10.2.24e: Summary of Land Areas in Flood Hazard Areas (Source: HAZUS, FEMA DFIRM Data)			
Total Land Area (Acres)	100-yr Flood Risk Area	500-yr Flood Risk Area	Low Risk Flood Area
930	82 (9%)	28 (3%)	820

Additionally, four (4) 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 or moderate risk flood areas (96% is within low risk areas).

Below is a table that illustrates the value of property in the Village of Montgomery 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	29	\$5.5
Commercial	8	\$1.3
Industrial	0	\$0
Agricultural	0	\$0
Religious/Non-profit	0	\$0
Government	1	\$0.2
Education	0	\$0
Utilities	1	\$0.3
Dams	0	\$0
Parks	0	\$0
Total	39	\$7.3M

Historical Occurrence:

According to NOAA's Storm Events Database, one (1) event was recorded specifically for the Village of Montgomery within the past ten (10) years.

- March 8, 2008 – Heavy rain event. Route 17 near Albany Post Rd. was closed due to flooding. Route 211 was closed in both directions west of Route 416 due to flooding.

Extreme Temperatures

Both extreme heat and cold can be detrimental to human health and property. Associated risks include sunstroke and hypothermia as well as brownouts and flooding caused by the ice dams created by extreme cold.

A 2010 report by the NYS Office of Emergency Management ranked Orange County as among the counties with the smallest percentages of vulnerable populations, with 10% aged sixty-five (65) and above and 7% younger than age five (5).

Historical Occurrence:

In the past ten (10) years, the following extreme heat and cold events were reported to NOAA's Storm Events Database in the Village of Montgomery.

- July 2013 – Excessive Heat- The combination of high heat and humidity resulted in heat index values between one hundred (105) and one hundred ten (110) degrees for a few

hours during the afternoon at Orange County Airport in Montgomery and Stewart International Airport in Newburgh.

- February 2015 – Cold/wind Chill- Wind chills fell to twenty-six (26) degrees below zero (0) at 6 a.m. at both Orange County Airport in Montgomery and Stewart International Airport in Newburgh.

Severe Storm/Severe Thunderstorm

The National Weather Service (NWS) defines a severe storm as one with a tornado and/or surface hail $\frac{3}{4}$ " 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 six (6) events within and around the Village of Montgomery.

- July 6, 2007 – Coating of penny size hail.
- August 21, 2009 - Thunderstorm caused trees and large limbs were reported down from Wallkill to just west of the Montgomery County Airport. \$5,000 in damages were reported.
- July 19, 2010 – Multiple trees and power lines were reported down across the town of Montgomery.
- June 9, 2011 – Hail in excess of 0.75 inches reported.
- July 8, 2011 – Hail in excess of one (1) inch reported.
- July 7, 2014 – A tree was reported down on a house on Charles Street.

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 that have explicitly impacted the Village of Montgomery. 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 Montgomery. 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 this 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 Montgomery. 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 Montgomery. However, there have been a number of recorded occurrences within Orange County. The information can be found in the main body of the document.

Ice Jam

For a description of this hazard, please see section 5.10.

Historical Occurrence:

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

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 Montgomery. However, there have been a number of recorded occurrences within Orange County. The information can be found in the main body of the document.

10.2.24.4 Capability Assessment

Planning and Regulatory Capability

Table 10.2.24g: Legal and Regulatory Capabilities for Village of Montgomery		
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 Existing 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 Hazards 	Planning Board
Plans, Manuals, and/or Guidelines	<ul style="list-style-type: none"> • Stormwater Management • Comprehensive Plan (2008-2016 DRAFT) • Local Emergency Operations Plan 	Planning Board
Studies	<ul style="list-style-type: none"> • FIRM Flood Insurance Rate Maps, 2009 	Village Board / Village DPW

Administrative and Technical

Table 10.2.24h: Summary of Administrative and Technical Staff Capabilities for Village of Montgomery		
Staff/Resources	<input checked="" type="checkbox"/>	Notes
Chief Building Official	<input checked="" type="checkbox"/>	Village Building Inspector
Floodplain Administrator	<input checked="" type="checkbox"/>	Village Building Inspector
Emergency Manager	<input checked="" type="checkbox"/>	Village Police Chief/Building Inspector
Community Planner	<input checked="" type="checkbox"/>	Village Planning Board Consultant Planner
Civil Engineer	<input checked="" type="checkbox"/>	Village Consultant Engineer
GIS Coordinator/HAZUS	<input checked="" type="checkbox"/>	Village Consultant Engineer
Grant Writer	<input checked="" type="checkbox"/>	Outside Contractor, Village Consultant Engineer
Maintenance Programs to Reduce Risk (tree trimming, etc.)	<input checked="" type="checkbox"/>	Village DPW, Central Hudson Gas & Electric
Mutual Aid Agreements	<input checked="" type="checkbox"/>	Public works and police with the Town of Montgomery

Fiscal Capabilities

Table 10.2.24i: Fiscal Opportunities for the Village of Montgomery		
Financial Resources	Accessible or Eligible to Use (Yes, No, Don't Know)	Comments
Community Development Block Grants	Yes	Various projects
Capital Improvements Project funding	Yes	Various projects
Authority to levy taxes for specific purposes	Yes	Various projects
Fees for water, sewer, gas, or electric service	Yes	Municipal water and sewer
Impact fees for homebuyers or new developments/homes	Yes	Recreation
Incur debt through general obligation bonds	Yes	Various projects
Federal/State Funding	Yes	Various projects

NFIP: Administrator, Vulnerability, Resources, Compliance

The Village (ID 360624) joined NFIP on March 15, 1974. As of January 31, 2018, there are a total of seven (7) active policies, representing \$2,004,600 in value. According to Table 8.2c, there is one (1) repetitive flood loss commercial property – that also qualifies as a severe repetitive flood loss property – located within the Village of Montgomery. More NFIP data can be found in Section 8.2.

The NFIP Administrator is the Building Inspector and 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.

The Village Floodplain Administrator has been provided an NFIP best practices guidance package 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 the CodeRED Emergency Communications System. The Village follows emergency route rules set by Orange County. The Village has one (1) designated emergency shelter: Village of Montgomery Senior Center (36 Bridge St., Montgomery, NY 12549). More information on these sites can be found in Attachment III.

Comprehensive Plan

The Village's Comprehensive Plan (Draft) addresses Natural Resource concerns including slopes, flooding/stormwater as well as tree and energy preservation.

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).

Table 10.2.24j: Incorporation of Hazard Mitigation Planning into Existing and Future Planning Mechanisms		
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
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 Plan will be used to inform the Village’s Comprehensive Plan, Village Codes, and provide guidance on actions moving forward.

10.2.24.5 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)	Cost
VM-1 Low	Acquisition of repetitive loss (RL) and severe repetitive loss (SRL) properties within municipal limits.	Village Board, Village DPW	FEMA HMGP, NYS OEM	\$330,000
VM-2 High	Emergency generator at senior center	Village Board, Village DPW	FEMA HMGP, CDBG	\$85,000

A STAPLEE form was completed for this action. A table with this evaluation 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

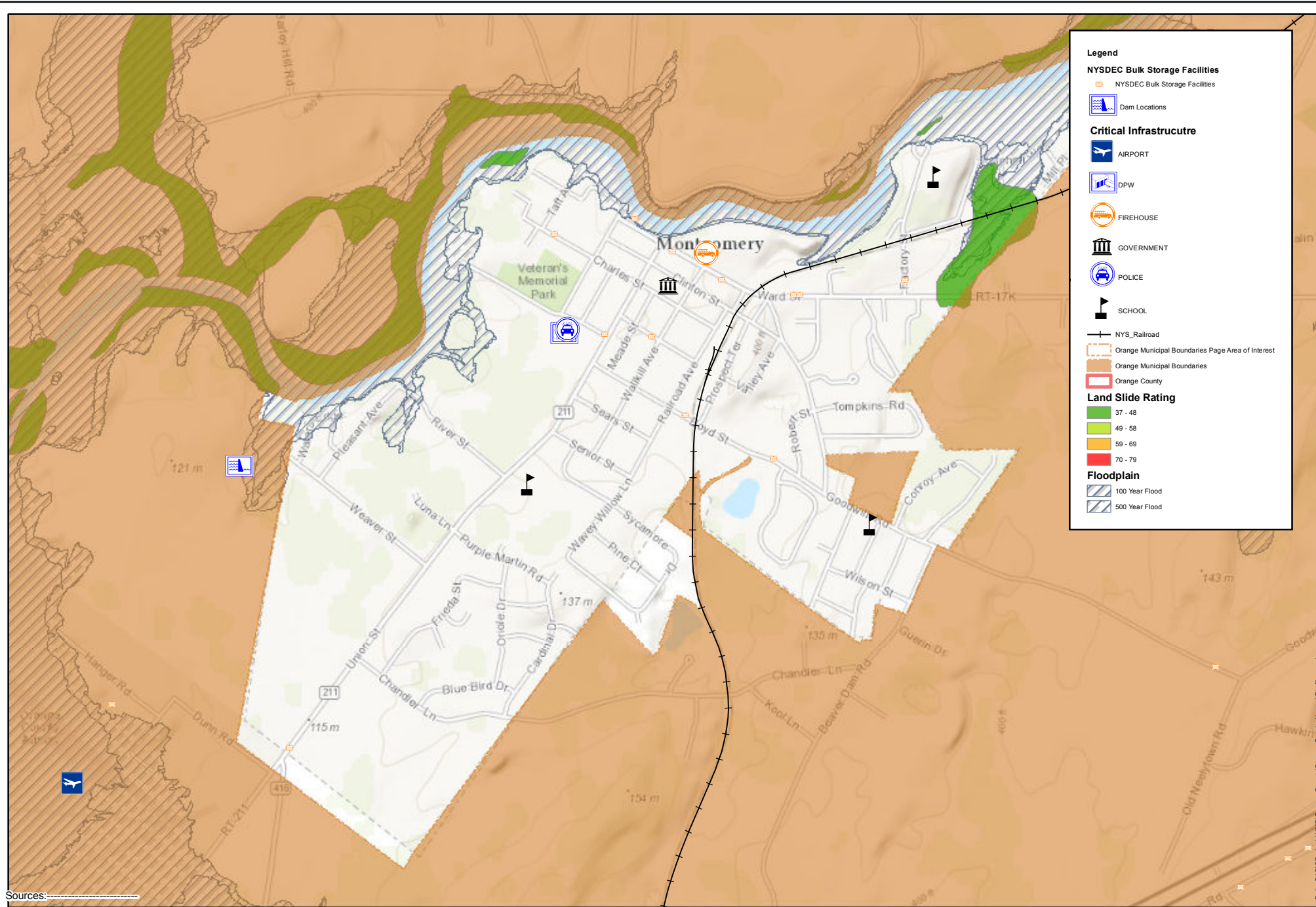
The Village has not identified any future needs.

10.2.24.6 Hazard Area Extent and Location

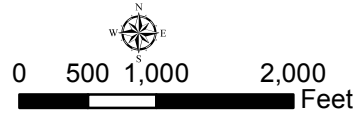
A map demonstrating the location of certain hazard areas is attached as Attachment I.

Attachment I

**Hazard Area Extent and Location Map -
Village of Montgomery**



Sources: _____



Path: C:\Users\jgarcia\Documents\Orange County\Orange County Hazard Mitigation Plan

Attachment II

STAPLEE Mitigation Action Cost/Benefit Analysis - Village of Montgomery

STAPLEE Criteria Consideration Tables
Mitigation Action Prioritization and Comparison

Jurisdiction: Village of Montgomery

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	
VM-1	Acquisition of repetitive loss and severe repetitive loss properties within municipal limits	0	+	0	0	+	0	+	0	+	0	High	Medium	High
VM-2	Emergency Generator at Senior Center	+	+	+	+	+	+	0	+	+	0	Medium	Medium	Medium

Attachment III

**Hazard Mitigation Worksheets -
Village of Montgomery**

Mitigation Actions and Strategy Detail Worksheet

Action Worksheet	
Name of Jurisdiction	Village of Montgomery
Name of Hazard Mitigation Plan	Orange County Multi-Jurisdictional Hazard Mitigation Plan
Potential Actions/Projects (not being implemented at this time)	
Action/Project Number	
Name of Action/Project	Acquisition of repetitive loss (RL) and severe repetitive loss (SRL) properties within municipal limits
Summary of Evaluation: Benefits (losses avoided), estimated costs, and other factors considered	Continued loss and damage to existing structures and belongings would be resolved at repetitive loss locations. No action alternative would result in additional and repeat damages from flood events and storms. Cost would depend on assessed value of the properties in question.
Plan for Implementation	
Responsible Organization	Village of Montgomery Village Board
Action/Project Priority	High priority – high success at moderate cost
Potential Funding Sources	FEMA, NYS OEM
Other assisting organizations, entities, etc.	FEMA, NYS OEM
Local planning mechanisms to be used in project/action implementation, if any	Resources used: FEMA flood mapping, NYS OEM/FEMA records of RL and SRL
Progress Report	
Date of status report	Being reviewed
Report of progress	
Evaluation of effectiveness	

Mitigation Actions and Strategy Detail Worksheet

Action Worksheet	
Name of Jurisdiction	Village of Montgomery
Name of Hazard Mitigation Plan	Orange County Multi-Jurisdictional All Natural Hazard Mitigation Plan
Potential Actions/Projects (not being implemented at this time)	
Action/Project Number	n/a
Name of Action/Project	Emergency Generator at Senior Center
Summary of Evaluation: Benefits (losses avoided), estimated costs, and other factors considered	The Village proposes to provide an emergency generator at its Senior Center on Bridge Street to protect vulnerable populations during an emergency. Costs are projected at approximately \$8,000.
Plan for Implementation	
Responsible Organization	Village DPW
Action/Project Priority	moderate
Potential Funding Sources	CDBG
Other assisting organizations, entities, etc.	None
Local planning mechanisms to be used in project/action implementation, if any	None
Progress Report	
Date of status report	None
Report of progress	n/a
Evaluation of effectiveness	n/a

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

Name of Your Municipality:	<u>Village of Montgomery</u>
Common Name of Your Emergency Shelter:	<u>Village of Montgomery Senior Citizen Center</u>
Street Address of Your Emergency Shelter:	<u>36 Bridge Street</u>
	<u>Montgomery, NY 12549</u>
Name of the Owner of Your Emergency Shelter:	<u>Village of Montgomery</u>
Name of the Regular Occupant of Your Emergency Shelter:	<u>No permanent occupants</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 Montgomery, 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 Montgomery, 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 Montgomery, 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)