

9.20 VILLAGE OF SPRING VALLEY

This section presents the jurisdictional annex for the Village of Spring Valley.

9.20.1 Hazard Mitigation Plan Point of Contact

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

Primary Point of Contact	Alternate Point of Contact
Matthew Jones, Department of Community Development 200 North Main Street, Spring Valley, NY 10977 845-517-1142 mjones@villagespringvalley.org	Robert Johnson, Acting Superintendent of DPW 200 North Main Street, Spring Valley, NY 10977 845-517-1195 rjohnson@villagespringvalley.org
NFIP Floodplain Administrator (FPA)	
Walter Booker, Chief Building Inspector 845-517-1134 wbooker@villagespringvalley.org	

9.20.2 Municipal Profile

The Village of Spring Valley was is located along the eastern border of the Town of Ramapo and in a small western portion of the Town of Clarkstown in Rockland County. The Village is approximately 2.1 square miles in size. According to the 2010 Census, the Village’s population was 31,347.

Growth/Development Trends

The following table summarizes recent residential/commercial development since 2010 to present and any known or anticipated major residential/commercial development and major infrastructure development that has been identified in the next five years within the municipality. Refer to the map in 9.20.8 of this annex which illustrates the hazard areas along with the location of potential new development.

Table 9.20-1. 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					
Cpc Site 3	Multi-Family	60	75 North Main St. S.V.N.Y. 10977	None Identified.	Occupied
Cpc Site 4	Multi Family	60	94 North Main St. S.V.N.Y. 10977	Flood: 0.2% Chance	Occupied
The Commons	Multi Family	82	20 Crispus Attucks Blvd. S.V.N.Y. 10977	None Identified.	Under Construction
Affordable Community	Multi Family	10	50-52 Bethune Blvd. S.V.N.Y. 10977	None Identified.	Under Construction
Baja Construction	Multi Family	26	34 Bethune Blvd. S.V.N.Y. 10977	None Identified.	Occupied
Cong Bais Hachinuch	Multi Family	20 +	12 Bethune Blvd.. S.V.N.Y 10977	None Identified.	Occupied
5-7 Ridge Ave.	Multi Family	18	5- Ridge Ave. S.V.N.Y. 10977	None Identified.	Occupied
Avon Gardens	Multi-Family	200 +	145 Union Road S.V.N.Y. 10977	None Identified.	Under Construction
Bluefield Gardens 1 & 2	Multi Family	30 +	2 & 3 Bluefield Drive S.V.N.Y. 10977	None Identified.	Occupied

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
Brookway Estates	Multi Family	25 +	15 & 17 Sneden Court S.V.N.Y. 10977	NEHRP: D	Half Occupied (One Of Two Bldgs. Finished)
Majestic Valley	Multi Family	25 +	36 Myrtle Ave. S.V.N.Y. 10977	None Identified.	Occupied
Valley Side Gardens	Multi Family	36	275 Rt. 59 S.V.N.Y. 10977	None Identified.	Occupied
43 Ridge Estates	Multi Family	18	43 Ridge Ave. S.V.N.Y 10977	None Identified.	Occupied
5-7 Ridge Ave.	Multi Family	18	5- Ridge Ave. S.V.N.Y. 10977	None Identified.	Occupied
Lawrence Point	Multi Family	9	24-26 Lawrence St. S.V.N.Y 10977	Flood: 1% Chance	Under Construction
Known or Anticipated Development in the Next Five (5) Years					
None identified					

* Only location-specific hazard zones or vulnerabilities identified.

9.20.3 Natural Hazard Event History Specific to the Municipality

Rockland County has a history of natural and non-natural hazard events as detailed in Volume I, Section 5.0 of this plan. A summary of historical events is provided in each of the hazard profiles and includes a chronology of events that have affected the County and its municipalities. For the purpose of this plan update, events that have occurred in the County from 2008 to present 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 below. For details of these and additional events, refer to Volume I, Section 5.0 of this plan.

Table 9.20-2. Hazard Event History

Dates of Event	Event Type (Disaster Declaration if applicable)	Rockland County Designated?	Summary of Damages/Losses
December 26-27, 2010	Severe Winter Storm and Snowstorm DR-1957	Yes	Yes – roof collapses in the Village
August 25 – September 5, 2011	Hurricane Irene DR-4020	Yes	Yes – power outages and flooding in the Village; drainage issues Pascack Road and Memorial Park
October 27 – November 8, 2012	Hurricane Sandy DR-4085	Yes	Yes – power outages throughout the Village

Notes:

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

9.20.4 Hazard Vulnerabilities and Ranking

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



Natural Hazard Risk/Vulnerability Risk Ranking

The table below summarizes the hazard risk/vulnerability rankings of potential natural hazards for the Village of Spring Valley.

Table 9.20-3. Hazard Risk/Vulnerability Risk Ranking

Hazard type	Estimate of Potential Dollar Losses to Structures Vulnerable to the Hazard ^{a, c}	Probability of Occurrence	Risk Ranking Score (Probability x Impact)	Hazard Ranking ^b
Drought	Damage estimate not available	Frequent	27	Low
Earthquake	100-Year GBS: \$0 500-Year GBS: \$694,468 2,500-Year GBS: \$13,491,314	Occasional	24	Low
Extreme Temperature	Damage estimate not available	Frequent	18	Medium
Flood	1% Annual Chance: \$202,569,000	Frequent	36	High
Landslide	RCV Exposed: \$0	Rare	6	Low
Severe Storm	100-Year MRP: \$880,223 500-year MRP: \$8,101,712 Annualized: \$63,927	Frequent	48	High
Winter Storm	1% GBS: \$20,217,930 5% GBS: \$101,089,650	Frequent	51	High
Wildfire	Estimated Value in the WUI: \$0	Frequent	18	Low

Notes:

The Village adjusted the hazard ranking for drought, earthquake and wildfire.

- a. Building damage ratio estimates based on FEMA 386-2 (August 2001)
- b. The valuation of general building stock and loss estimates was based on custom inventory for the municipality.
High = Total hazard priority risk ranking score of 31 and above
Medium = Total hazard priority risk ranking of 20-30+
Low = Total hazard risk ranking below 20
- c. Loss estimates for the severe storm and severe winter storm hazards are structural values only and do not include the value of contents.
- d. Loss estimates for the flood and earthquake hazards represent both structure and contents.
- e. The HAZUS-MH earthquake model results are reported by Census Tract.

National Flood Insurance Program (NFIP) Summary

The following table summarizes the NFIP statistics for the Village of Spring Valley.

Table 9.20-4. 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)
Village of Spring Valley	78	249	\$1,332,851	1	2	32

Source: FEMA Region 2 2016

- (1) Policies, claims, repetitive loss and severe repetitive loss statistics provided by FEMA Region 2, and are current as of 06/30/2016. The total number of repetitive loss properties does not include the severe repetitive loss properties. The number of claims represents claims closed by 06/30/16.
- (2) Total building and content losses from the claims file provided by FEMA Region 2.
- (3) The policies inside and outside of the flood zones is based on the latitude and longitude provided by FEMA Region 2 in the policy file.

Notes: FEMA noted that where there is more than one entry for a property, there may be more than one policy in force or more than one GIS possibility. A zero percentage denotes less than 1/100th percentage and not zero damages or vulnerability as may be the case.



Number of policies and claims and claims total exclude properties located outside county boundary, based on provided latitude and longitude

Critical Facilities

The table below presents the critical facilities identified in the HMP that are located in the FEMA-delineated 1- and/or 0.2-percent annual chance floodplain. The table also summarizes the Hazards United States (HAZUS) – Multi-Hazards (MH) damage estimates (if any) to each critical facility as a result of the 1-percent annual chance flood event.

Table 9.20-5. 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
Congregation Mosdos Zvhille	Daycare	X	X	79	72
Lakeview Village	Senior	X	X	87	100
Kidsnett Child Care Program	Daycare		X	-	-

Source: Hazus-MH 3.2, Rockland County

Other Vulnerabilities Identified

The municipality has identified the following vulnerabilities within their community:

- According to the 2014 Flood Insurance Study (FIS) for Rockland County, flooding in the village generally occurs during the spring and fall seasons. In the spring, snowmelt adds to heavy rains to produce increased runoff, and in the fall, flooding can occur due to hurricane activity. Flooding problems in the village are typically caused by inadequate channel capacities and culvert sizes (FEMA FIS 2014).
- Poor drainage in the area of Pascack Road and Memorial Park – these two areas tend to flood during periods of heavy rain – both adjacent to Pascack Brook
- Pascack Brook leads to flooding in the area of Clayton Drive and Stonehouse Road

9.20.5 Capability Assessment

This section identifies the following capabilities of the local jurisdiction:

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

Planning and Regulatory Capability

The table below summarizes the regulatory tools that are available to the Village of Spring Valley.

Table 9.20-6. Planning and Regulatory Tools

Tool / Program (code, ordinance, plan)	Do you have this? (Yes/No) If Yes, date of adoption or update	Authority (local, county, state, federal)	Dept. /Agency Responsible	Code Citation and Comments (Code Chapter, name of plan, explanation of authority, etc.)
Planning Capability				
Master Plan	No			
Capital Improvements Plan	No			
Floodplain Management / Basin Plan	Yes	Local	R.C. DRAINAGE	FEMA, VILLAGE OF SPRING VALLEY ZONING CODE, N.Y.S. BUILDING CODE
Stormwater Management Plan	No		RFP'S OUT FOR AGENCY CONTRACT	
Open Space Plan	No			
Stream Corridor Management Plan	No			
Watershed Management or Protection Plan	No			
Economic Development Plan	No			
Comprehensive Emergency Management Plan	No			
Emergency Operation Plan	No			
Post-Disaster Recovery Plan	No			
Transportation Plan	No			
Strategic Recovery Planning Report	No			
Other Plans:	No			
Regulatory Capability				
Building Code	Yes	State & Local	BUILDING DEPARTMENT	VILLAGE OF SPRING VALLEY CODE OF ORDINANCES, ZONING CODE, AND N.Y.S. BUILDING CODE
Zoning Ordinance	Yes 1985	Local	Planning and Zoning Boards	Chapter 255 – Zoning
Subdivision Ordinance	Yes 1964	Local	Planning Board	Chapter 232 – Subdivision of Land
NFIP Flood Damage Prevention Ordinance	Yes 1987	Federal, State, Local	Building Inspector	Chapter 126 – Flood Damage Prevention
NFIP: Cumulative Substantial Damages	No			
NFIP: Freeboard	Yes	State, Local	Building Inspector	State mandated 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	BUILDING DEPARTMENT, PLANNING BOARD	
Stormwater Management	Yes	Local	Village	Chapter 222 – Stormwater

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.)
Ordinance	2010			Management and Erosion and Sediment Control
Municipal Separate Storm Sewer System (MS4)	Yes 2008	Local	Stormwater Management Officer	Chapter 227 – Storm Sewer Connections and Discharges
Natural Hazard Ordinance	No			
Post-Disaster Recovery Ordinance	No			
Real Estate Disclosure Requirement	Yes	State		NYS mandate, Property Condition Disclosure Act, NY Code - Article 14 §460-467
Other (Special Purpose Ordinances [i.e., sensitive areas, steep slope])	Yes	Local	Village	Chapter 130 – Freshwater Wetlands

Administrative and Technical Capability

The table below summarizes potential staff and personnel resources available to the Village of Spring Valley.

Table 9.20-7. Administrative and Technical Capabilities

Resources	Is this in place? (Yes or No)	Department/ Agency/Position
Administrative Capability		
Planning Board	Yes	Planning and Zoning Boards
Mitigation Planning Committee	No	
Environmental Board/Commission	No	
Open Space Board/Committee	No	
Economic Development Commission/Committee	Yes	Matthew Jones
Maintenance programs to reduce risk	No	
Mutual aid agreements	Yes	Rockland County Fire Training Center
Technical/Staffing Capability		
Planner(s) or engineer(s) with knowledge of land development and land management practices	Yes	Michael Kauker And Associates
Engineer(s) or professional(s) trained in construction practices related to buildings and/or infrastructure	No	
Planners or engineers with an understanding of natural hazards	No	
NFIP Floodplain Administrator (FPA)	Yes	Building Department, Chief Building Inspector
Surveyor(s)	No	
Personnel skilled or trained in GIS and/or Hazards United States (HAZUS) – Multi-Hazards (MH) applications	Yes	Building Department, Chief Building Inspector
Scientist familiar with natural hazards	No	
Emergency Manager	No	
Grant writer(s)	Yes	Matthew Jones

Resources	Is this in place? (Yes or No)	Department/ Agency/Position
Staff with expertise or training in benefit/cost analysis	No	
Professionals trained in conducting damage assessments	No	

Fiscal Capability

The table below summarizes financial resources available to the Village of Spring Valley.

Table 9.20-8. Fiscal Capabilities

Financial Resources	Accessible or Eligible to Use (Yes/No)
Community development Block Grants (CDBG, CDBG-DR)	No
Capital improvements project funding	Yes if necessary
Authority to levy taxes for specific purposes	Yes
User fees for water, sewer, gas or electric service	No
Impact fees for homebuyers or developers of new development/homes	Yes
Stormwater utility fee	No
Incur debt through general obligation bonds	Yes
Incur debt through special tax bonds	Yes
Incur debt through private activity bonds	No
Withhold public expenditures in hazard-prone areas	Yes
Other federal or state Funding Programs	Yes - Consolidated Local Street and Highway Improvement Program (CHIPs) through NYSDOT Extreme Winter Weather Funding – CHIPs Pave NY - CHIPs
Open Space Acquisition funding programs	Yes
Other	No

Community Classifications

The table below summarizes classifications for community program available to the Village of Spring Valley.

Table 9.20-9. 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 (ISO Fire Protection Classes 1 to 10)	Yes	4.5	-
NYSDEC Climate Smart Community	No	-	-
Storm Ready Certification	No	-	-
Firewise Communities classification	No	-	-
Natural disaster/safety programs in/for schools	Yes	-	-
Organizations with mitigation focus (advocacy group, non-government)	No	-	-

Program	Do you have this? (Yes/No)	Classification (if applicable)	Date Classified (if applicable)
Public education program/outreach (through website, social media)	No	-	-
Public-private partnership initiatives addressing disaster-related issues	No	-	-

Note:

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

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

Criteria for classification credits are outlined in the following documents:

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

Self-Assessment of Capability

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

Table 9.20-10. 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)

Walter Booker, Building Inspector

Flood Vulnerability Summary

The village does not maintain lists or inventories of properties that have been damaged by floods. During Irene, Sandy and other events, approximately 177 residential and 15 commercial structure were damaged. It is currently unknown as to how many properties are interested in mitigation (elevation or acquisition). Only new construction in the village, located in the floodplain, are compliant with the village's flood damage prevention ordinance. A majority of structure in the village were constructed prior to 1955. If any properties were to be mitigated, the property owner, having to comply with FEMA regulations, would be responsible for funding the project, unless it was the result of insurance company involvement.

Resources

The building inspector is the sole person assuming the role and responsibilities of floodplain administration for the village. Services the FPA provides include: ensuring permit applications comply with FEMA regulations; conduct construction inspections to ensure compliance with FEMA, State and local regulations; and consult with Rockland County Drainage Agency on all floodplain projects. The village currently does not provide any education or outreach regarding flood hazards/risk or flood risk reduction. The FPA indicated that a barrier to running an effective floodplain management program is the miseducation of the public. The FPA stated that he feels adequately supported and trained to fulfill his role as the municipal floodplain administration and would consider attending continuing education and/or certification raining on floodplain management.

Compliance History

The village is currently in good standing with the NFIP; however, it is unknown as to when the most recent compliance audit was conducted.

Regulatory

The village's flood damage prevention ordinance meets the minimum set by FEMA and New York State. The planning and zoning board both work to enforce the NFIP regulations within the village. The village is currently not part of the CRS program; however, the village would consider joining and attending a CRS seminar if offered.

Integration of Hazard Mitigation into Existing and Future Planning Mechanisms

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

Regulatory and Enforcement

Flood Damage Prevention Ordinance, Chapter 126: The purpose of the ordinance is to promote public health, safety, and general welfare and to minimize public and private losses due to flood conditions in specific areas by provisions designed to:

- Regulate uses which are dangerous to health, safety and property due to water or erosion hazards or which result in damaging increases in erosion or in flood heights or velocities;
- Require that uses vulnerable to floods, including facilities which serve such uses, be protected against flood damage at the time of initial construction;
- Control the alteration of natural floodplains, stream channels, and natural protective barriers which are involved in the accommodation of floodwaters;
- Control filling, grading, dredging and other development which may increase erosion or flood damages;
- Regulate the construction of flood barriers which will unnaturally divert floodwaters or which may increase flood hazards to other lands; and
- Qualify for and maintain participation in the National Flood Insurance Program.

The objectives of this chapter are to:

- Protect human life and health;
- Minimize expenditure of public money for costly flood-control projects;
- Minimize the need for rescue and relief efforts associated with flooding and generally undertaken at the expense of the general public;
- Minimize prolonged business interruptions;
- Minimize damage to public facilities and utilities, such as water and gas mains, electric, telephone and sewer lines, streets and bridges located in areas of special flood hazard;
- Help maintain a stable tax base by providing for the sound use and development of areas of special flood hazard so as to minimize future flood-blight areas;
- Provide that developers are notified that property is in an area of special flood hazard; and
- Ensure that those who occupy the areas of special flood hazard assume responsibility for their actions.

The Building Inspector is appointed local administrator to administer and implement the flood damage prevention ordinance by granting or denying floodplain development permits in accordance with its provisions.

Stormwater Management and Erosion and Sediment Control, Chapter 222: The purpose of this chapter is to establish minimum stormwater management requirements and controls to protect and safeguard the general health, safety, and welfare of the public residing within the Village. This chapter seeks to meet those purposes by achieving the following objectives:

- Meet the requirements of minimum measures 4 and 5 of the SPDES General Permit for Stormwater Discharges from Municipal Separate Stormwater Sewer Systems (MS4s), Permit No. GP-02-02 or as amended or revised;
- Require land development activities to conform to the substantive requirements of the New York State Department of Environmental Conservation State Pollutant Discharge Elimination System (SPDES) General Permit for Construction Activities GP-02-01 or as amended or revised;
- Minimize increases in stormwater runoff from land development activities in order to reduce flooding, siltation, increases in stream temperature, and streambank erosion and maintain the integrity of stream channels;
- Minimize increases in pollution caused by stormwater runoff from land development activities which would otherwise degrade local water quality;
- Minimize the total annual volume of stormwater runoff which flows from any specific site during and following development to the maximum extent practicable; and
- Reduce stormwater runoff rates and volumes, soil erosion and nonpoint source pollution, wherever possible, through stormwater management practices and to ensure that these management practices are properly maintained and eliminate threats to public safety.

Storm Sewer Connections and Discharges, Chapter 227: The purpose of this chapter is to provide for the health, safety, and general welfare of the citizens of the unincorporated area of the Village of Spring Valley through the regulation of non-stormwater discharges to the municipal separate storm sewer system (MS4) to the maximum extent practicable as required by federal and New York State law. This chapter establishes methods for controlling the introduction of pollutants into the MS4 in order to comply with requirements of the SPDES General Permit for Municipal Separate Storm Sewer Systems. The objectives of this chapter are:

- To meet the requirements of the SPDES General Permit for Stormwater Discharges from MS4s, Permit No. GP-02-02 or as amended or revised;
- To regulate the contribution of pollutants to the MS4 since such systems are not designed to accept, process or discharge non-stormwater wastes;
- To prohibit illicit connections, activities and discharges to the MS4;
- To establish legal authority to carry out all inspection, surveillance and monitoring procedures necessary to ensure compliance with this chapter; and
- To promote public awareness of the hazards involved in the improper storage and/or discharge of trash, yard waste, lawn chemicals, pet waste, wastewater, grease, oil, petroleum products, cleaning products, paint products, hazardous waste, sediment, snow and ice control materials, and other pollutants into the MS4.

Subdivision of Land, Chapter 232: It is the policy of the Planning Board to consider land subdivision as part of a plan for the orderly, efficient, and economical development of the Village. Land to be subdivided needs to be able to be used safely for building purposes without danger to health or peril from fire, flood or other menace. Proper provision shall be made for drainage, water, sewerage and other needed improvements. The proposed streets should compose a convenient system conforming to the Official Map, as it may be adopted by the Board of Trustees, and shall be properly related to the proposals shown to be on the Village Master Plan as it may be adopted by the Planning Board. Streets should be of such width, grade and location as to accommodate the prospective traffic, to afford adequate light and air and to facilitate fire protection. In proper cases, there shall be reservation of park areas of suitable location, size and character for playground or other recreational purposes.

Operational and Administration

Village Board of Trustees: The Board of Trustees of the Village of Spring Valley consists of the Mayor and four Trustees who are elected by the registered voters in the Village of Spring Valley to a four year term. The Trustees terms are staggered with two Trustees elected every second year.

The Board enacts new laws or amends existing ones; votes to pay for services rendered to the Village; hires employees and appoints department heads. The Mayor also has the additional responsibility of administering the Village on a daily basis.

Planning Board: The planning Board of the Village of Spring Valley is a land use Board with jurisdiction over site plan applications, subdivision applications, floodplain construction applications, amended site plan applications, and referrals to village and zoning boards.

Zoning Board: The Zoning Board of the Village of Spring Valley is a regulatory Board with respect to the Village zoning code and code of ordinances with sole jurisdiction over relief granted from the zoning and ordinance codes.

Education and Outreach

The Village uses their municipal website, flyers, etc. to inform citizens on natural hazards within the municipality.

Rockland County provides the following services to its municipalities:

- County provides Towns and Villages palm-cards on winter storms; information regarding flooding; hurricane; high-winds, tornadoes via email and social media (Twitter and Facebook).
- Emergency Notification Systems: Rockland County has mapping services available to municipalities through their on-line web map portal. Disaster Land is a web-based emergency management software system; municipalities are granted access to it; flood inundation zones are incorporated into it so Emergency Coordinator from the municipality has access to it 24/7 on smart phone/laptop/desktop. The County utilizes NY-Alert and CodeRed (the backup to NY-Alert) for emergency notifications (all Towns and Villages have access to it). There is a mailbox for known inundation areas to target outreach as needed; and have license for FEMA's IPAWS to issue notifications.

9.20.6 Mitigation Strategy and Prioritization

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

Past Mitigation Initiative Status

The following table indicates progress on the community's mitigation strategy identified in the 2010 Plan. Actions that are carried forward as part of this plan update are included in the following subsection in its own table with prioritization. Previous actions that are now on-going programs and capabilities are indicated as such in the following table and may also be found under 'Capability Assessment' presented previously in this annex.

Table 9.20-11. Status of Previous Mitigation Actions

Action Number	2010 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 2018 HMP or Discontinue)	Describe Next Step 1. If including action in the 2018 HMP, revise/reword to be more specific (as appropriate). 2. If discontinue, explain why.
	Replace bridge which is in severe state of disrepair.	Village Board	No Progress	Due to funding, this project has not been completed.	Include in 2018 HMP	Bridge located on Main Street / Rt. 45 at the base of Columbus Avenue is in need of repair. Village with work with NYSDOT.
	Bank stabilization and flooding mitigation of adjacent private properties.	Village Board	In Progress	In the location of Stonehouse Road Capital Project – addressed some of the flooding in the area of Union and Stonehouse. Union end is completed. More work to be done on Stonehouse	Include in 2018 HMP	Bank stabilization and flooding mitigation of adjacent private properties along Stonehouse Road.
	Control flooding along Hamilton Avenue which has no drainage presently.	Village Board	No Progress	Hamilton Avenue is not located in the Village of Spring Valley	Discontinue	
	Flows from Liberty Rock Road - lack of drainage at library causes water to run beneath structure.	Village Board	No Progress	Liberty Rock Road is not located in the Village of Spring Valley	Discontinue	
1.B	Ensure that local comprehensive plans incorporate natural disaster mitigation techniques through a courtesy review or draft plans by the County Planning Department.	CPG member; Village Trustee	In Progress	Rockland County Planning Department reviews all Comprehensive Plans; would like to integrate mitigation into future comprehensive plan updates.	Include in 2018 HMP	Work with municipalities to integrate hazard mitigation and hazard areas into local comprehensive plans; a courtesy review of draft plans by the County Planning Department.
2.A	Expand and disseminate GIS and other hazard information on the internet.	CPG member; Village Trustee	Complete	Rockland County has expanded its GIS services; flood inundation zones are on the map web portal and the Towns have access to the portal and this data. The County anticipates continual updates of data being collected and accessed by the Towns (e.g., dam inundation areas).	Discontinue	
	Work with local municipalities to pursue the development of an Emergency Notification System call perimeter for high risk locations of natural hazards with delineable hazard areas. Rockland County staff will make	CPG member; Village Trustee	Complete	Rockland County has mapping services available to municipalities through their on-line web map portal. Disaster Land is a web-based emergency		

Action Number	2010 Mitigation Action	Responsible Party	Status (In progress, No progress, Complete)	Describe Status <ol style="list-style-type: none"> Please describe what was accomplished and indicate % complete. If there was no progress, indicate what obstacles/delays encountered? If there was progress, how is/was the action being funded (e.g., FEMA HMGP grant, local budget)? 	Next Step (Include in 2018 HMP or Discontinue)	Describe Next Step <ol style="list-style-type: none"> If including action in the 2018 HMP, revise/reword to be more specific (as appropriate). If discontinue, explain why.
	aerial mapping available, along with GIS mapping for natural hazards that was completed as part of the hazard mitigation planning project. The County will also facilitate the utilization of the Emergency Notification System by municipalities.			<p>management software system; Towns are granted access to it; flood inundation zones are incorporated into it so Emergency Coordinator from the municipality has access to it 24/7 on smart phone/laptop/desktop.</p> <p>The County utilizes NY-Alert and CodeRed (the backup to NY-Alert) for emergency notifications (all Towns and Villages have access to it; New Hempstead not using CodeRed). There is a mailbox for known inundation areas to target outreach as needed; and have license for FEMA's IPAWS to issue notifications.</p>		
	Hold periodic workshops regarding zoning and planning issues that arise regarding natural hazards and hazard mitigation.	CPG member; Village Trustee	In Progress	Workshops with Planning and Zoning Boards	Discontinue	Ongoing action in the Village
4.F	Continue to implement best management practices for floodplain areas.	CPG member; Village Trustee	In Progress		Discontinue	Ongoing action in the Village; have updated floodplain mapping
4.G	Identify and document repetitively flooded properties. Work with owners to explore mitigation opportunities for repetitively flooded properties, and if appropriate and feasible, carry out acquisition, relocation, elevation and floodproofing measures to protect these properties.	CPG member; Village Trustee	No Progress		Include in 2018 HMP	
4.J	Develop specific mitigation solutions for floodprone road systems (roads, bridges, intersections, drainage, etc.) under the leadership of County DPW.	CPG member; Village Trustee	In Progress	Bridge replacement projects are County projects	Including in 2018 HMP	Ongoing activities with local, county and state departments
13.A	Determine the year built and level of protection for critical emergency facilities and shelters to highlight structures built before codes and standards were put in place to provide some degree of protection from	CPG member; Village Trustee	In Progress	Municipalities in the County have worked with Orange & Rockland utility company to identify critical facilities.	Discontinue	Ongoing activity



Action Number	2010 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 2018 HMP or Discontinue)	Describe Next Step 1. If including action in the 2018 HMP, revise/reword to be more specific (as appropriate). 2. If discontinue, explain why.
	natural hazards, and pursue potential mitigation opportunities to protect these sites as funding becomes available.					
11.B	Review existing emergency response plans for enhancement opportunities: work with social support agencies, homeowners associations and general public to develop and implement monitoring and warning systems focused on vulnerable populations and provision of adequate shelter facilities.	CPG member; Village Trustee	In Progress	Rockland County has developed an access and functional-needs registry since 2010; facilities and residents can go on-line and notify of their existence. The Village does not have access to this system.	Include in 2018 HMP	Work with Rockland County to obtain access to the functional-needs registry and enhance emergency response plans for the Village.
	Public awareness program on hazards, prevention and mitigation: assist CPG Chairperson in maintenance of mitigation planning web presence; assist CPG Chairperson in preparation of annual hazards and mitigation planning fact sheet and its distribution; assist CPG chairperson in preparation of hazards survey; periodic discussion of hazard mitigation and the mitigation plan at other regular local meetings; use of annual flyers, newsletters, advertisements, or radio/TV announcements, etc. at the discretion of the jurisdiction (incorporating as much free information as possible from the FEMA publications warehouse and other appropriate sources).	RCOFES lead with direct participation and involvement form each jurisdiction's CPG member	In Progress	Rockland County provides Towns and Villages palm-cards on winter storms; information regarding flooding; hurricane; high-winds, tornadoes via email and social media (Twitter and Facebook).	Discontinue	This is a current capability of Rockland County Office of Fire and Emergency Service.
	Code update: review existing local codes and ordinances against the identified hazards to determine whether there needs to be any amendments to address identified hazards and, where a need is identified; modify/amend the codes/ordinances as applicable.	Each jurisdictional CPG member	In Progress	SEQRA review is conducted for specific-projects which takes into account hazards/problems. Rockland County Planning Department provides recommendations.	Discontinue	Ongoing action
	Code enforcement: enforcement of NYS and local building codes	Each jurisdictional CPG member	In Progress	Working with State	Discontinue	Ongoing action that the Village conducts day-to-day

Action Number	2010 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 2018 HMP or Discontinue)	Describe Next Step 1. If including action in the 2018 HMP, revise/reword to be more specific (as appropriate). 2. If discontinue, explain why.
	Update/revise floodplain management ordinance to comply with latest FEMA regulations	Village Engineer and Attorney	In Progress	FEMA recently updated the mapping	Include in 2018 HMP	Update/revise floodplain management ordinance to comply with latest FEMA regulations using the updated maps for the Village
	Designate/install a specific person to be the Village Floodplain Administrator	Village Board	Completed	Walter Booker is FPA	Discontinue	
	Add/train sufficient members of staff to adequately enforce NFIP regulations/floodplain management ordinances	Village Board	Completed	All staff are trained and maintain training annually	Choose an item.	Ongoing action for the Village
	Update/review floodplain management ordinances to be consistent with potential future new FIRMs	Village Engineer, Planner, Attorney	In Progress	FEMA recently updated the mapping	Include in 2018 HMP	Update/revise floodplain management ordinance to comply with latest FEMA regulations using the updated maps for the Village
	Require staff involved in floodplain management and ordinance enforcement to become Certified Floodplain Managers (CFMs)	Village Board	In Progress		Choose an item.	Identify additional staff who would benefit from having CFM certification; have those become CFMs
	Join the Community Rating System (CRS)	Village Board	No Progress		Include in the 2018 HMP	

Completed Mitigation Initiatives not Identified in the Previous Mitigation Strategy

The Village of Spring Valley has identified the following mitigation projects/activities that have also been completed but were not identified in the previous mitigation strategy in the 2010 Plan:

- In the location of Stonehouse Road - Capital Project – addressed some of the flooding in the area of Union and Stonehouse. Union end is completed. More work to be done on Stonehouse
- Generator at the Civic Center which is used as an emergency shelter for the Village
- Pascack Brook By-Pass Flood Mitigation Project was overseen by the County Drainage Agency and completed in October 2015. This project addressed flooding in the neighborhoods off of Union Road in the Village.

Proposed Hazard Mitigation Initiatives for the Plan Update

The Village of Spring Valley participated in a mitigation action workshop in February 2017 and was provided the following FEMA publications to use as a resource as part of their comprehensive review of all possible activities and mitigation measures to address their hazards: FEMA 551 ‘Selecting Appropriate Mitigation Measures for Floodprone Structures’ (March 2007) and FEMA ‘Mitigation Ideas – A Resource for Reducing Risk to Natural Hazards’ (January 2013).

Table 9.20-12 summarizes the comprehensive-range of specific mitigation initiatives the Village of Spring Valley would like to pursue in the future to reduce the effects of hazards. Some of these initiatives may be previous actions carried forward for this plan update. These initiatives are dependent upon available funding (grants and local match availability) and may be modified or omitted at any time based on the occurrence of new hazard events and changes in municipal priorities. Both the four FEMA mitigation action categories and the six CRS mitigation action categories are listed in the table below to further demonstrate the wide-range of activities and mitigation measures selected.

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

Table 9.20-13 provides a summary of the prioritization of all proposed mitigation initiatives for the Plan update.

Table 9.20-12. 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
V. Spring Valley-1	Support the mitigation of vulnerable structures via retrofit (e.g. elevation, flood-proofing) or acquisition/relocation to protect structures from future damage, with Repetitive Loss (RL) and Severe Repetitive Loss (SRL) as a priority when applicable. Spring Valley’s support shall include direct outreach to flood-prone property owners, specifically those identified by FEMA as RL/SRL or otherwise identified as flood-prone, and working with interested and voluntary property owners to mitigate their properties based on available funding from FEMA and local (property owner) match availability.											
	Specifically identified are properties in the following areas: <ul style="list-style-type: none"> • Clayton Drive • Stonehouse Road 											
	See above.	Existing	Flood, Severe Storm	1, 2, 3, 7	NFIP Floodplain Administrator (FPA) and local government (e.g. code enforcement and engineering); with support from County, NYSOEM, ISO, FEMA	High	High	FEMA Mitigation Grant Programs and local budget (or property owner) for cost share	Ongoing (outreach and specific project identification); Long term DOF (specific project application and implementation)	High	EAP	PI
V. Spring Valley-2	The following critical facilities were identified as vulnerable to the flood hazard during the Rockland County HMP update. The Village does not have jurisdiction over these facilities to mitigate. The Village will notify the facility manager/operator and advise of potential mitigation alternatives to consider, potential funding sources for implementation and that NYS requires that any mitigation addresses the 500-year flood event or “worst damage scenario”. The following may be potential actions to reduce future flood losses; however the owners will need to determine the most feasible	Existing	Flood	1, 2, 3, 7	Private Owners with Village support	Medium	Low	Municipal Budget	Short Term	High	LPR	PR

Table 9.20-12. 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
	and cost-effective action: elevate mechanicals; elevate structure; floodproof entry ways; install portable/mechanical flood walls; relocate facility. A professional may need to be retained by the private property owner to implement the mitigation action. -Congregation Mosdos Zvhille (daycare) - Kidsnett Child Care Program (daycare) -Lakeview Village (senior)											
V. Spring Valley-3	Maintain compliance with and good-standing in the NFIP including adoption and enforcement of floodplain management requirements (e.g. regulating all new and substantially improved construction in Special Hazard Flood Areas), floodplain identification and mapping, and flood insurance outreach to the community. Further meet and/or exceed the minimum NFIP standards and criteria through the following NFIP-related continued compliance actions identified in subsequent initiatives, as follows: <ul style="list-style-type: none"> Local Support of private-property mitigation Public Outreach <ul style="list-style-type: none"> Website Direct outreach and information program to RL/SRL and other flood-prone property owners Flood Damage Prevention Ordinance (FDPO) Update and Higher Regulatory Standards Build Local Floodplain Management Capabilities through training and seminars 											
	See above.	New and Existing	Flood	All goals	NFIP Floodplain Administrator (FPA) and local government (e.g. municipal boards including planning and zoning); with support from County, NYSDHSES, ISO, FEMA	Medium - High	Low-Medium	Municipal Budget	Ongoing	High	LPR	PR
V. Spring Valley-4	Have local officials who would benefit, become a Certified Floodplain Manager (CFM) through the Association of State	N/A	Flood	1, 2, 3	Town/Village NFIP FPA	Medium	Low	Municipal Budget	Short (DOF)	High	EAP	PI



Table 9.20-12. 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
	Floodplain Managers (ASFPM) and New York State Stormwater and Floodplain Managers Association (NYSSFMA), and pursue relevant continuing education training.											
V. Spring Valley-5 (old)	Work with NYSDOT to replace the bridge located on Main Street / Rt. 45 at the base of Columbus Avenue.	Existing	Severe Storm, Severe Winter Storm, Flood	2, 5	Village DPW and NYSDOT	High	High	Grant funding where available	Short (DOF)	High	SIP	PP
V. Spring Valley-6 (old)	Work with municipalities to integrate hazard mitigation and hazard areas into local comprehensive plans; a courtesy review of draft plans by the County Planning Department.	N/A	All	All	Village and Rockland County	Medium	Low	Municipal Budget	Ongoing	Medium	LPR	PR
V. Spring Valley-7 (old)	Work with Rockland County to obtain access to the functional-needs registry and enhance emergency response plans for the Village.	N/A	All	All	Village and Rockland County	Medium	Low	Municipal Budget	Short	Medium	LPR	PR
V. Spring Valley-8 (old)	Update/revise floodplain management ordinance to comply with latest FEMA regulations using the updated maps for the Village	N/A	Flood	1, 2, 3	Village and Village FPA	Medium to High	Low to Medium	Municipal Budget	Short	High	LPR	PR
V. Spring Valley-9 (old)	Support participation in the NFIP Community Rating System (CRS) program by attending CRS workshop(s) if offered within the county. Join the CRS program if adequate resources to support long term participation can be dedicated.	N/A	Flood	All	Village NFIP FPA, as fully supported by local government officials	Medium - High	Low	Municipal Budget	Short (year 1)	High	LPR	PR

Notes:

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



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

Acronyms and Abbreviations:

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

Potential FEMA HMA Funding Sources:

FMA	Flood Mitigation Assistance Grant Program
HMGP	Hazard Mitigation Grant Program
PDM	Pre-Disaster Mitigation Grant Program
RFC	Repetitive Flood Claims Grant Program (discontinued in 2015)
SRL	Severe Repetitive Loss Grant Program (discontinued in 2015)

Timeline:

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

Costs:

Where actual project costs have been reasonably estimated:

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

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

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

Benefits:

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

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

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

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

Mitigation Category:

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

CRS Category:

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



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

Table 9.20-13. Summary of Prioritization of Actions

Mitigation Action / Project Number	Mitigation Action / Initiative	Life Safety	Property Protection	Cost-Effectiveness	Technical	Political	Legal	Fiscal	Environmental	Social	Administrative	Multi-Hazard	Timeline	Agency Champion	Other Community Objectives	Total	High / Medium / Low
V. Spring Valley-1	Support the mitigation of vulnerable structures via retrofit (e.g. elevation, flood-proofing) or acquisition/relocation to protect structures from future damage, with Repetitive Loss (RL) and Severe Repetitive Loss (SRL) as a priority when applicable.	1	1	1	1	1	0	1	0	1	1	0	1	1	0	10	High
V. Spring Valley-2	The following critical facilities were identified as vulnerable to the flood hazard during the Rockland County HMP update. The Village does not have jurisdiction over these facilities to mitigate. The Village will notify the facility manager/operator and advise of potential mitigation alternatives to consider, potential funding sources for implementation and that NYS requires that any mitigation addresses the 500-year flood event or “worst damage scenario”. The following may be potential actions to reduce future flood losses; however the owners will need to determine the most feasible and cost-effective action: elevate mechanicals; elevate structure; floodproof entry ways; install portable/mechanical flood walls; relocate facility. A professional will be retained by the private property owner to implement the mitigation action. -Congregation Mosdos Zvhille (daycare) - Kidsnett Child Care Program (daycare) -Lakeview Village (senior)	1	1	1	1	0	0	1	0	1	1	0	1	1	0	9	High
V. Spring Valley-3	Maintain compliance with and good-standing in the NFIP including adoption and enforcement of floodplain management requirements (e.g. regulating all new and substantially improved construction in Special Hazard Flood	1	1	1	1	1	0	1	0	1	1	0	1	1	0	10	High



Table 9.20-13. Summary of Prioritization of Actions

Mitigation Action / Project Number	Mitigation Action / Initiative	Life Safety	Property Protection	Cost-Effectiveness	Technical	Political	Legal	Fiscal	Environmental	Social	Administrative	Multi-Hazard	Timeline	Agency Champion	Other Community Objectives	Total	High / Medium / Low
	Areas), floodplain identification and mapping, and flood insurance outreach to the community.																
V. Spring Valley-4	Have local officials who would benefit, become a Certified Floodplain Manager (CFM) through the Association of State Floodplain Managers (ASFPM) and New York State Stormwater and Floodplain Managers Association (NYSSFMA), and pursue relevant continuing education training.	1	1	1	1	1	0	0	0	1	1	0	1	1	0	9	High
V. Spring Valley-5 (old)	Work with NYSDOT to replace the bridge located on Main Street / Rt. 45 at the base of Columbus Avenue.	1	1	1	1	1	0	0	1	1	1	1	1	0	0	10	High
V. Spring Valley-6 (old)	Work with municipalities to integrate hazard mitigation and hazard areas into local comprehensive plans; a courtesy review of draft plans by the County Planning Department.	1	1	1	1	0	1	1	0	0	1	1	1	0	0	9	Medium
V. Spring Valley-7 (old)	Work with Rockland County to obtain access to the functional-needs registry and enhance emergency response plans for the Village.	1	1	1	1	0	0	1	0	0	1	1	1	0	0	8	Medium
V. Spring Valley-8 (old)	Update/revise floodplain management ordinance to comply with latest FEMA regulations using the updated maps for the Village	1	1	1	1	0	1	1	0	1	1	1	1	0	0	10	High
V. Spring Valley-9 (old)	Support participation in the NFIP Community Rating System (CRS) program by attending CRS workshop(s) if offered within the county. Join the CRS program if adequate resources to support long term participation can be dedicated.	1	1	1	1	0	1	1	0	1	1	1	1	0	0	10	High

Note: Refer to Section 6, which conveys guidance on prioritizing mitigation actions.

9.20.7 Future Needs To Better Understand Risk/Vulnerability

None at this time.

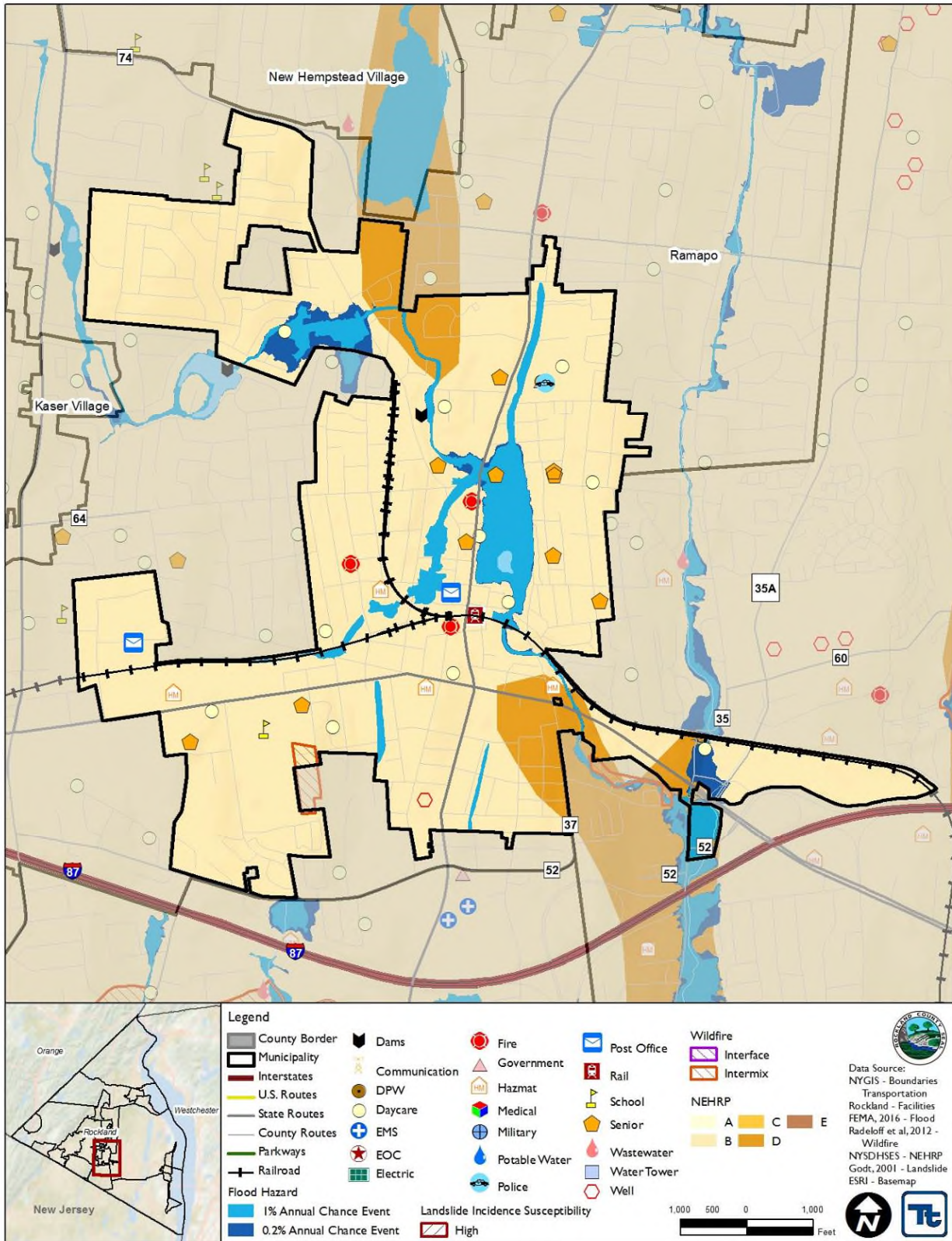
9.20.8 Hazard Area Extent and Location

Hazard area extent and location maps have been generated for the Village of Spring Valley that illustrate the probable areas impacted within the municipality. These maps are based on the best available data at the time of the preparation of this plan, and are considered to be adequate for planning purposes. Maps have only been generated for those hazards that can be clearly identified using mapping techniques and technologies, and for which the Village of Spring Valley has significant exposure. These maps are illustrated in the hazard profiles within Section 5.4, Volume I of this Plan.

9.20.9 Additional Comments

None at this time.

Figure 9.20-1. Village of Spring Valley Hazard Area Extent and Location Map



Action Number:

V. Spring Valley-1

Mitigation Action Name:

Support the mitigation of vulnerable structures via retrofit (e.g. elevation, flood-proofing) or acquisition/relocation

Assessing the Risk	
Hazard(s) addressed:	Flood, Severe Storm
Specific problem being mitigated:	Repetitively flooded properties place an undue stress on the property owner and village and efforts should be made to mitigate them.
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	No action - current problem continues Support mitigation only when property owner reaches out to Village – not efficient and helpful
Action/Project Intended for Implementation	
Description of Selected Action/Project	Support the mitigation of vulnerable structures via retrofit (e.g. elevation, flood-proofing) or acquisition/relocation to protect structures from future damage, with Repetitive Loss (RL) and Severe Repetitive Loss (SRL) as a priority when applicable. Spring Valley’s support shall include direct outreach to flood-prone property owners, specifically those identified by FEMA as RL/SRL or otherwise identified as flood-prone, and working with interested and voluntary property owners to mitigate their properties based on available funding from FEMA and local (property owner) match availability. Specifically identified are properties in the following areas: <ul style="list-style-type: none"> • Clayton Drive • Stonehouse Road
Mitigation Action Type	EAP
Goals Met	1, 2, 3, 7
Applies to existing and or new development, or not applicable	Existing
Benefits (losses avoided)	High
Estimated Cost	High
Priority*	High
Plan for Implementation	
Responsible Organization	NFIP Floodplain Administrator (FPA) and local government (e.g. code enforcement and engineering); with support from County, NYS DHSES, ISO, FEMA
Local Planning Mechanism	Hazard Mitigation, Emergency Management
Potential Funding Sources	FEMA Mitigation Grant Programs and local budget (or property owner) for cost share
Timeline for Completion	Ongoing (outreach and specific project identification); Long term DOF (specific project application and implementation)
Reporting on Progress	
Date of Status Report/ Report of Progress	Date: Progress on Action/Project:

Action Number:
Mitigation Action Name:

V. Spring Valley-1
 Support the mitigation of vulnerable structures via retrofit (e.g. elevation, flood-proofing) or acquisition/relocation to protect structures from future damage, with Repetitive Loss (RL) and Severe Repetitive Loss (SRL) as a priority when applicable.
 Sp

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	
Property Protection	1	
Cost-Effectiveness	1	The costs to implement this project correspond with the benefits achieved
Technical	1	
Political	1	
Legal	0	
Fiscal	1	FEMA Mitigation Grant Programs and local budget (or property owner) for cost share
Environmental	0	
Social	1	
Administrative	1	
Multi-Hazard	0	Flood, Severe Storm
Timeline	1	Ongoing (outreach and specific project identification); Long term DOF (specific project application and implementation)
Agency Champion	1	
Other Community Objectives	0	
Total	10	
Priority (H/M/L)	High	

Action Number:

V. Spring Valley-2

Mitigation Action Name:

Critical facilities located in the floodplain

Assessing the Risk	
Hazard(s) addressed:	Flood
Specific problem being mitigated:	<p>The following critical facilities are located in the floodplain:</p> <ul style="list-style-type: none"> - Congregation Mosdos Zvhille (daycare) - Kidsnett Child Care Program (daycare) - Lakeview Village (senior) <p>Critical facilities located in the floodplain are not only susceptible to flood damage but also create unnecessary complications for the municipality during an emergency event and post-disaster recovery.</p>
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	<p>No action - current problem continues</p> <p>The Village to hire a consultant to work with the private property owners to evaluate mitigation options - cost</p>
Action/Project Intended for Implementation	
Description of Selected Action/Project	<p>The following critical facilities were identified as vulnerable to the flood hazard during the Rockland County HMP update. The Village does not have jurisdiction over these facilities to mitigate. The Village will notify the facility manager/operator and advise of potential mitigation alternatives to consider, potential funding sources for implementation and that NYS requires that any mitigation addresses the 500-year flood event or “worst damage scenario”. The following may be potential actions to reduce future flood losses; however the owners will need to determine the most feasible and cost-effective action: elevate mechanicals; elevate structure; floodproof entry ways; install portable/mechanical flood walls; relocate facility. A professional will be retained by the private property owner to implement the mitigation action.</p> <ul style="list-style-type: none"> - Congregation Mosdos Zvhille (daycare) - Kidsnett Child Care Program (daycare) - Lakeview Village (senior)
Mitigation Action Type	LPR
Goals Met	1, 2, 3, 7
Applies to existing and or new development, or not applicable	Existing
Benefits (losses avoided)	Medium
Estimated Cost	Low
Priority*	High
Plan for Implementation	
Responsible Organization	Private Owners with Village support
Local Planning Mechanism	Hazard Mitigation, Emergency Management
Potential Funding Sources	Municipal Budget

Timeline for Completion	Short Term
Reporting on Progress	
Date of Status Report/ Report of Progress	Date: Progress on Action/Project:

Action Number:

V. Spring Valley-2

Mitigation Action Name:

Critical facilities located in the floodplain

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	
Property Protection	1	
Cost-Effectiveness	1	The costs to implement this project correspond with the benefits achieved
Technical	1	
Political	0	
Legal	0	
Fiscal	1	Municipal Budget
Environmental	0	
Social	1	
Administrative	1	
Multi-Hazard	0	Flood
Timeline	1	Short Term
Agency Champion	1	
Other Community Objectives	0	
Total	9	
Priority (H/M/L)	High	

Action Number:

V. Spring Valley-3

Mitigation Action Name:

Maintain compliance with and good-standing in the NFIP including adoption and enforcement of floodplain management requirements (e.g. regulating all new and substantially improved construction in Special Hazard Flood Areas), floodplain identification and

Assessing the Risk	
Hazard(s) addressed:	Flood
Specific problem being mitigated:	Continue to maintain compliance with NFIP
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	No action - current problem continues Exceed requirements of NFIP – not interested at this time
Action/Project Intended for Implementation	
Description of Selected Action/Project	Maintain compliance with and good-standing in the NFIP including adoption and enforcement of floodplain management requirements (e.g. regulating all new and substantially improved construction in Special Hazard Flood Areas), floodplain identification and mapping, and flood insurance outreach to the community. Further meet and/or exceed the minimum NFIP standards and criteria through the following NFIP-related continued compliance actions identified in subsequent initiatives, as follows: <ul style="list-style-type: none"> • Public Outreach <ul style="list-style-type: none"> o Website o Direct outreach and information program to RL/SRL and other flood-prone property owners • Flood Damage Prevention Ordinance (FDPO) Update and Higher Regulatory Standards • Build Local Floodplain Management Capabilities through training and seminars
Mitigation Action Type	LPR
Goals Met	All goals
Applies to existing and or new development, or not applicable	New and Existing
Benefits (losses avoided)	Medium - High
Estimated Cost	Low- Medium
Priority*	High
Plan for Implementation	
Responsible Organization	NFIP Floodplain Administrator (FPA) and local government (e.g. municipal boards including planning and zoning); with support from County, NYSDHSES, ISO, FEMA
Local Planning Mechanism	Hazard Mitigation, Floodplain Management, Public Education
Potential Funding Sources	Municipal Budget
Timeline for Completion	Ongoing

Reporting on Progress	
Date of Status Report/ Report of Progress	Date: Progress on Action/Project:

Action Number:
Mitigation Action Name:

V. Spring Valley-3
 Maintain compliance with and good-standing in the NFIP including adoption and enforcement of floodplain management requirements (e.g. regulating all new and substantially improved construction in Special Hazard Flood Areas), floodplain identification and

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	
Property Protection	1	
Cost-Effectiveness	1	The costs to implement this project correspond with the benefits achieved
Technical	1	
Political	1	
Legal	0	
Fiscal	1	Municipal Budget
Environmental	0	
Social	1	
Administrative	1	
Multi-Hazard	0	
Timeline	1	Ongoing
Agency Champion	1	
Other Community Objectives	0	
Total	10	
Priority (H/M/L)	High	

Action Number:

V. Spring Valley-4

Mitigation Action Name:

Have local officials who would benefit, become a Certified Floodplain Manager (CFM) through the Association of State Floodplain Managers (ASFPM) and New York State Stormwater and Floodplain Managers Association (NYSSFMA), and pursue relevant continuing ed

Assessing the Risk	
Hazard(s) addressed:	Flood
Specific problem being mitigated:	Local officials do are CFMs and would benefit by being one.
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	No action - current problem continues Have staff attend courses on floodplain management but not become CFM's – lack of recognition from national organization. CRS awards points for CFM's
Action/Project Intended for Implementation	
Description of Selected Action/Project	Have local officials who would benefit, become a Certified Floodplain Manager (CFM) through the Association of State Floodplain Managers (ASFPM) and New York State Stormwater and Floodplain Managers Association (NYSSFMA), and pursue relevant continuing education training.
Mitigation Action Type	EAP
Goals Met	1, 2, 3
Applies to existing and or new development, or not applicable	N/A
Benefits (losses avoided)	Medium
Estimated Cost	Low
Priority*	High
Plan for Implementation	
Responsible Organization	Town/Village NFIP FPA
Local Planning Mechanism	Hazard Mitigation, Floodplain Management
Potential Funding Sources	Municipal Budget
Timeline for Completion	Short (DOF)
Reporting on Progress	
Date of Status Report/ Report of Progress	Date: Progress on Action/Project:

Action Number:
Mitigation Action Name:

V. Spring Valley-4
 Have local officials who would benefit, become a Certified Floodplain Manager (CFM) through the Association of State Floodplain Managers (ASFPM) and New York State Stormwater and Floodplain Managers Association (NYSSFMA), and pursue relevant continuing ed

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	
Property Protection	1	
Cost-Effectiveness	1	The costs to implement this project correspond with the benefits achieved
Technical	1	
Political	1	
Legal	0	
Fiscal	0	Municipal Budget
Environmental	0	
Social	1	
Administrative	1	
Multi-Hazard	0	Flood
Timeline	1	Short (DOF)
Agency Champion	1	
Other Community Objectives	0	
Total	9	
Priority (H/M/L)	High	

Action Number: V. Spring Valley-5 (old)
Mitigation Action Name: Replace Main St / Rt 45 bridge

Assessing the Risk	
Hazard(s) addressed:	Severe Storm, Severe Winter Storm, Flood
Specific problem being mitigated:	The bridge on Main St/Rt 45 at the base of Columbus Avenue is damaged and in need of updating
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	Do nothing – current problem continues Replace bridge to same standards as previous bridge – less resilient to damage than selected action
Action/Project Intended for Implementation	
Description of Selected Action/Project	Work with NYSDOT to replace the bridge located on Main Street / Rt. 45 at the base of Columbus Avenue.
Mitigation Action Type	SIP
Goals Met	2, 5
Applies to existing and or new development, or not applicable	Existing
Benefits (losses avoided)	High
Estimated Cost	High
Priority*	High
Plan for Implementation	
Responsible Organization	Village DPW and NYSDOT
Local Planning Mechanism	Capital Improvement, Hazard Mitigation
Potential Funding Sources	Grant funding where available
Timeline for Completion	Short Term / DOF
Reporting on Progress	
Date of Status Report/ Report of Progress	Date: Progress on Action/Project:

Action Number: V. Spring Valley-5 (old)
Mitigation Action Name: Replace Main St / Rt 45 bridge

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	
Property Protection	1	
Cost-Effectiveness	1	
Technical	1	
Political	1	
Legal	0	Need to work with NYSDOT since the it is a state road
Fiscal	0	Need to seek grant funding
Environmental	0	
Social	1	
Administrative	1	
Multi-Hazard	0	Flood
Timeline	1	Short Term (1-5 years)
Agency Champion	1	
Other Community Objectives	0	
Total	9	
Priority (H/M/L)	High	

Action Number:

V. Spring Valley-6 (old)

Mitigation Action Name:

Work with municipalities to integrate hazard mitigation and hazard areas into local comprehensive plans; a courtesy review of draft plans by the County Planning Department.

Assessing the Risk	
Hazard(s) addressed:	All
Specific problem being mitigated:	Current comprehensive plan does not incorporate natural hazards
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	No action - current problem continues Request review from local colleges and universities – may not be capable/willing
Action/Project Intended for Implementation	
Description of Selected Action/Project	Work with municipalities to integrate hazard mitigation and hazard areas into local comprehensive plans; a courtesy review of draft plans by the County Planning Department.
Mitigation Action Type	LPR
Goals Met	All
Applies to existing and or new development, or not applicable	N/A
Benefits (losses avoided)	Medium
Estimated Cost	Low
Priority*	Medium
Plan for Implementation	
Responsible Organization	Village and Rockland County
Local Planning Mechanism	Hazard Mitigation, Comprehensive Plan
Potential Funding Sources	Municipal Budget
Timeline for Completion	Ongoing
Reporting on Progress	
Date of Status Report/ Report of Progress	Date: Progress on Action/Project:

Action Number:
Mitigation Action Name:

V. Spring Valley-6 (old)
Work with municipalities to integrate hazard mitigation and hazard areas into local comprehensive plans; a courtesy review of draft plans by the County Planning Department.

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	
Property Protection	1	
Cost-Effectiveness	1	The costs to implement this project correspond with the benefits achieved
Technical	1	
Political	0	
Legal	1	
Fiscal	1	Municipal Budget
Environmental	0	
Social	0	
Administrative	1	
Multi-Hazard	1	All
Timeline	1	Ongoing
Agency Champion	0	
Other Community Objectives	0	Supports the Comprehensive Plan
Total	9	
Priority (H/M/L)	Medium	

Action Number:

V. Spring Valley-7 (old)

Mitigation Action Name:

Work with Rockland County to obtain access to the functional-needs registry and enhance emergency response plans for the Village.

Assessing the Risk	
Hazard(s) addressed:	All
Specific problem being mitigated:	The current emergency response plan does not include the functional-needs registry
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	No action - current problem continues Develop municipal specific functional-needs registry – redundant and costly
Action/Project Intended for Implementation	
Description of Selected Action/Project	Work with Rockland County to obtain access to the functional-needs registry and enhance emergency response plans for the Village.
Mitigation Action Type	LPR
Goals Met	All
Applies to existing and or new development, or not applicable	N/A
Benefits (losses avoided)	Medium
Estimated Cost	Low
Priority*	Medium
Plan for Implementation	
Responsible Organization	Village and Rockland County
Local Planning Mechanism	Hazard Mitigation, Emergency Management
Potential Funding Sources	Municipal Budget
Timeline for Completion	Short
Reporting on Progress	
Date of Status Report/ Report of Progress	Date: Progress on Action/Project:

Action Number:

V. Spring Valley-7 (old)

Mitigation Action Name:

Work with Rockland County to obtain access to the functional-needs registry and enhance emergency response plans for the Village.

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	Provide assistance to those with limited mobility or special needs
Property Protection	1	
Cost-Effectiveness	1	The costs to implement this project correspond with the benefits achieved
Technical	1	
Political	0	
Legal	0	
Fiscal	1	Municipal Budget
Environmental	0	
Social	0	Residents with limited mobility or special needs
Administrative	1	
Multi-Hazard	1	All
Timeline	1	Short
Agency Champion	0	
Other Community Objectives	0	
Total	8	
Priority (H/M/L)	Medium	

Action Number:

V. Spring Valley-8 (old)

Mitigation Action Name:

Update/revise floodplain management ordinance to comply with latest FEMA regulations using the updated maps for the Village

Assessing the Risk	
Hazard(s) addressed:	Flood
Specific problem being mitigated:	Some facilities were built before code updates; therefore, they may be more susceptible to damage from a hazard event
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	No action - current problem continues Exceed FEMA requirements for floodplain management ordinance – not interested in exceeding at this time
Action/Project Intended for Implementation	
Description of Selected Action/Project	Update/revise floodplain management ordinance to comply with latest FEMA regulations using the updated maps for the Village
Mitigation Action Type	LPR
Goals Met	1, 2, 3
Applies to existing and or new development, or not applicable	N/A
Benefits (losses avoided)	Medium to High
Estimated Cost	Low to Medium
Priority*	High
Plan for Implementation	
Responsible Organization	Village and Village FPA
Local Planning Mechanism	Hazard Mitigation, Floodplain Management, Code Enforcement
Potential Funding Sources	Municipal Budget
Timeline for Completion	Short
Reporting on Progress	
Date of Status Report/ Report of Progress	Date: Progress on Action/Project:

Action Number:

V. Spring Valley-8 (old)

Mitigation Action Name:

Update/revise floodplain management ordinance to comply with latest FEMA regulations using the updated maps for the Village

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	
Property Protection	1	
Cost-Effectiveness	1	The costs to implement this project correspond with the benefits achieved
Technical	1	
Political	0	
Legal	1	
Fiscal	1	Municipal Budget
Environmental	0	
Social	1	
Administrative	1	
Multi-Hazard	1	Flood
Timeline	1	Short
Agency Champion	0	
Other Community Objectives	0	
Total	10	
Priority (H/M/L)	High	

Action Number:

V. Spring Valley-9 (old)

Mitigation Action Name:

Support participation in the NFIP Community Rating System (CRS) program by attending CRS workshop(s) if offered within the county. Join the CRS program if adequate resources to support long term participation can be dedicated.

Assessing the Risk	
Hazard(s) addressed:	Flood
Specific problem being mitigated:	The Village is not currently in the CRS program. The Village needs to identify whether or not joining the program will be beneficial to the community and its residents.
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	No action - current problem continues Create municipal program to go above and beyond the requirements of NFIP – no flood insurance premium discounts
Action/Project Intended for Implementation	
Description of Selected Action/Project	Support participation in the NFIP Community Rating System (CRS) program by attending CRS workshop(s) if offered within the county. Join the CRS program if adequate resources to support long term participation can be dedicated.
Mitigation Action Type	LPR
Goals Met	All
Applies to existing and or new development, or not applicable	N/A
Benefits (losses avoided)	Medium - High
Estimated Cost	Low
Priority*	High
Plan for Implementation	
Responsible Organization	Village NFIP FPA, as fully supported by local government officials
Local Planning Mechanism	Hazard Mitigation, Floodplain Management, Public Education
Potential Funding Sources	Municipal Budget
Timeline for Completion	Short (year 1)
Reporting on Progress	
Date of Status Report/ Report of Progress	Date: Progress on Action/Project:

Action Number:
Mitigation Action Name:

V. Spring Valley-9 (old)
 Support participation in the NFIP Community Rating System (CRS) program by attending CRS workshop(s) if offered within the county. Join the CRS program if adequate resources to support long term participation can be dedicated.

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	
Property Protection	1	
Cost-Effectiveness	1	The costs to implement this project correspond with the benefits achieved
Technical	1	
Political	0	
Legal	1	
Fiscal	1	Municipal Budget
Environmental	0	
Social	1	All residents with flood insurance would benefit
Administrative	1	
Multi-Hazard	1	Flood
Timeline	1	Short (year 1)
Agency Champion	0	
Other Community Objectives	0	
Total	10	
Priority (H/M/L)	High	

Action Number:

V. Spring Valley-10

Mitigation Action Name:

Notify and provided needed support to the critical facility manager/operator to evaluate the Village of Spring Valley’s flood vulnerability and determine what mitigation options are needed, if any. Assure that any mitigation addresses the 500-year flood

Assessing the Risk	
Hazard(s) addressed:	Flood
Specific problem being mitigated:	Critical facilities located in the floodplain are not only susceptible to flood damage but also create unnecessary complications for the municipality during an emergency event and post-disaster recovery.
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	No action - current problem continues Hire outside group to evaluate vulnerability and mitigation options - cost
Action/Project Intended for Implementation	
Description of Selected Action/Project	Notify and provided needed support to the below facility manager/operator to evaluate the Village of Spring Valley’s flood vulnerability and determine what mitigation options are needed, if any. Assure that any mitigation addresses the 500-year flood event or “worst damage scenario” -Congregation Mosdos Zvhille (daycare) -Kidsnett Child Care Program (daycare) -Lakeview Village (senior)
Mitigation Action Type	SIP
Goals Met	1, 2, 4, 6
Applies to existing and or new development, or not applicable	Existing
Benefits (losses avoided)	High
Estimated Cost	Low
Priority*	Medium
Plan for Implementation	
Responsible Organization	Village Board
Local Planning Mechanism	Hazard Mitigation, Emergency Management
Potential Funding Sources	Municipal budget
Timeline for Completion	Short
Reporting on Progress	
Date of Status Report/ Report of Progress	Date: Progress on Action/Project:

Action Number:
Mitigation Action Name:

V. Spring Valley-10
 Notify and provided needed support to the critical facility manager/operator to evaluate the Village of Spring Valley’s flood vulnerability and determine what mitigation options are needed, if any. Assure that any mitigation addresses the 500-year flood

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	
Property Protection	1	
Cost-Effectiveness	1	The costs to implement this project correspond with the benefits achieved
Technical	1	
Political	0	
Legal	1	
Fiscal	0	Municipal budget
Environmental	0	
Social	0	
Administrative	1	
Multi-Hazard	0	Flood
Timeline	0	Short
Agency Champion	0	
Other Community Objectives	0	
Total	6	
Priority (H/M/L)	Medium	