



## 9.3 VILLAGE OF AVON

This section presents the jurisdictional annex for the Village of Avon. It includes resources and information to assist public and private sectors to reduce losses from future hazard events. This annex is not guidance of what to do when a disaster occurs. Rather, this annex concentrates on actions that can be implemented prior to a disaster to reduce or eliminate damage to property and people. This annex includes a general overview of the Village of Avon and who in the Village participated in the planning process; an assessment of the Village of Avon’s risk and vulnerability; the different capabilities utilized in the Village; and an action plan that will be implemented to achieve a more resilient community.

### 9.3.1 Hazard Mitigation Planning Team

The following individuals have been identified as the Village of Avon’s hazard mitigation plan primary and alternate points of contact. The Village of Avon followed the planning process described in Section 3 (Planning Process) in Volume I of this plan update. This annex was developed over the course of several months with input from many Village departments, including: the Mayor, Village Clerk, and Fire Marshall. The Village Clerk represented the community on the Livingston County Hazard Mitigation Plan Planning Partnership and supported the local planning process requirements by securing input from persons with specific knowledge to enhance the plan. All departments were asked to contribute to the annex development through reviewing and contributing to the capability assessment, reporting on the status of previously identified actions, and participating in action identification and prioritization.

The following table summarizes municipal officials that participated in the development of the annex and in what capacity. Additional documentation on the Village of Avon’s planning process through Planning Partnership meetings is included in Section 3 (Planning Process) and Appendix C (Meeting Documentation).

**Table 9.3-1. Hazard Mitigation Planning Team**

Primary Point of Contact	Alternate Point of Contact
Name/Title: Heather Randall, Village Clerk Address: 74 Genesee Street, Avon, NY 14414 Phone Number: 585-226-8118 Email: hrandall@village.avon-ny.org	Name/Title: Thomas Freeman, Mayor Address: 74 Genesee Street, Avon, NY 14414 Phone Number: 585-226-8118 Email: tfreeman@village.avon-ny.org
NFIP Floodplain Administrator	
Name/Title: Andy Anderson, Fire Marshal / Code Dept. Address: 74 Genesee Street, Avon, NY 14414 Phone Number: 585-226-8118 Email: aanderson@village.avon-ny.org	

### 9.3.2 Municipal Profile

According to the U.S. Census Bureau, the Village has a total land area of 3.0 square miles, of which none of which includes any bodies of water. It is bordered on all corners by the Town of Avon. The Village of Avon is located in the northern area of Livingston County and is only 25-30 miles from downtown Rochester. According to the U.S. Census, the 2020 population for the Village of Avon was 3,399, a 0.15 percent increase from the 2010 Census. Data from the 2019 U.S. Census American Community Survey indicate that 7.6 percent of the population is 5 years of age or younger and 16.4 percent is 65 years of age or older. Communities must deploy a support system that enables all populations to safely reach shelters or to quickly evacuate a hazard area.



### 9.3.3 Jurisdictional Capability Assessment and Integration

The Village of Avon performed an inventory and analysis of existing capabilities, plans, programs, and policies that enhance its ability to implement mitigation strategies. Section 5 (Capability Assessment) describes the components included in the capability assessment and their significance for hazard mitigation planning. This section summarizes the following findings of the assessment:

- An assessment of planning, legal and regulatory capabilities.
- Development and permitting capabilities.
- An assessment of administrative and technical capabilities
- An assessment of fiscal capabilities.
- An assessment of education and outreach capabilities.
- Classification under various community mitigation programs.
- The community’s adaptive capacity to withstand hazard events.

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, planning/policy documents were reviewed, and each jurisdiction was surveyed to obtain a better understanding of their progress in plan integration and how risk reduction is supported. Areas with current mitigation integration are summarized in this jurisdictional Capability Assessment (Section 9.3.3). The Village of Avon’s identified opportunities for integration of mitigation concepts to be incorporated into municipal procedures are included in the updated mitigation strategy.

#### Planning, Legal, and Regulatory Capability

The table below summarizes the regulatory tools that are available to the Village of Avon. Section 5 (Capability Assessment) provides an overview of the planning, legal and regulatory capabilities. The following table summarizes what is present in the jurisdiction and discusses if the mechanisms have been or could be leveraged to reduce risk.

**Table 9.3-2. Planning, Legal, and Regulatory Capability**

	Jurisdiction has this? (Yes/No)	Required by State? (Yes/No)	Code Citation and Date (code chapter, name of plan, date of plan)	Authority (local, county, state, federal)	Individual / Department / Agency Responsible
<b>Codes, Ordinances, &amp; Regulations</b>					
<b>Building Code</b>	Yes	Yes	IBC 2015	State and Local	Code Enforcement
<i>How does this reduce risk?</i> Prevents questions regarding regulations in the municipality					
<b>Zoning/Land Use Code</b>	Yes	No	Chapter 30 - 2012	Local	Zoning Board
<i>How does this reduce risk?</i> <i>The purpose of this chapter is to encourage the most appropriate use of land throughout the Village and to conserve the value of property, with due consideration for the character of the districts and their peculiar suitability for particular uses; all in accordance with a comprehensive plan designed to lessen congestion in the streets; to secure safety from fire, flood, panic and other dangers; to promote health and the general welfare; to provide adequate light and air; to prevent the overcrowding of land, to avoid undue concentration of population and to that end to regulate the height, design appearance, number of stories and size of buildings and other structures; the percentage of the area of the lot that may be occupied; the size of yards, courts and other open spaces; the density of population and the location and use of buildings, structures and land for trade, industry, residence or other purposes; and the height, size and location of these uses within the limits of the Village.</i>					
<b>Subdivision Ordinance</b>	Yes	No	Chapter 31 (Subdivision Regulations); 2012	Local	Planning Board
<i>How does this reduce risk?</i> Prior to the contract of sale of any part of proposed land for subdivision, the subdividing owner must apply for and secure approval by the Planning Board of proposed subdivision.					
<b>Site Plan Ordinance</b>	Yes	No	Chapter 30, Article XII (2012)	Local & County Planning	Planning Board
<i>How does this reduce risk?</i>					



	Jurisdiction has this? (Yes/No)	Required by State? (Yes/No)	Code Citation and Date (code chapter, name of plan, date of plan)	Authority (local, county, state, federal)	Individual / Department / Agency Responsible
Prior to the issuance of a building permit for new development in any district, except for a one or two-family dwelling and related accessory uses or a general farming or nursery use permitted by right, the Zoning Enforcement Officer shall require the preparation of a site plan. The Zoning Enforcement Officer shall refer the site plan to the Board of Trustees for its review and approval in accordance with the standards and procedures set forth in this article.					
<b>Stormwater Management Ordinance</b>	Yes	Yes	2012	Local	Planning Board
<i>How does this reduce risk?</i>					
<b>Post-Disaster Recovery/ Reconstruction Ordinance</b>	No	No	-	-	-
<i>How does this reduce risk?</i>					
<b>Real Estate Disclosure</b>	Yes	Yes	Property Condition Disclosure Act, NY Code - Article 14 §460-467	State	NYS Department of State, Real Estate Agent
<i>How does this reduce risk?</i>					
<ul style="list-style-type: none"> <li>In addition to facing potential liability for failing to disclose under the exceptions to “caveat emptor,” a home seller must make certain disclosures under the law or pay a credit of \$500 to the buyer at closing. While the PCDA requires a seller to complete a standardized disclosure statement and deliver it to the buyer before the buyer signs the final purchase contract, in practice, most home sellers in New York opt not to complete the statement and instead pay the credit.</li> </ul>					
<b>Growth Management</b>	Yes	No	-	Local	Planning Board
<i>How does this reduce risk?</i>					
Prevents unpermitted building					
<b>Environmental Protection Ordinance</b>	Yes	Yes	-	State	NYSDEC
<i>How does this reduce risk?</i>					
<b>Flood Damage Prevention Ordinance</b>	Yes	Yes - BFE+2 feet for all construction in the SFHA (residential and non-residential)	Chapter 37 – Flood Damage Prevention	Federal, State, County and Local	Village & Planning Board, Zoning & Code Department
<i>How does this reduce risk?</i>					
The purpose of the code is to promote public health, safety, and general welfare, and to minimize public and private losses due to flood conditions in specific areas. Attempts to lower the risk of flooding from development. The Zoning Officer is the appointed local floodplain administrator for the Village and is responsible for administering and implementing the code. The code requires all new construction and substantial improvements in the floodplain have their lowest floor elevated to or above the BFE.					
<b>Wellhead Protection</b>	N/A	No	-	-	-
<i>How does this reduce risk?</i>					
<b>Emergency Management Ordinance</b>	No	No	-	-	-
<i>How does this reduce risk?</i> Prepares for emergencies.					
<b>Climate Change Ordinance</b>	No	No	-	-	-
<i>How does this reduce risk?</i>					
<b>Other</b>	No	-	-	-	-
<b>Planning Documents</b>					
<b>Master Plan</b>	Yes	No	Village of Avon Comprehensive Plan Update (2017)	Local	All Depts.
<i>How does this reduce risk?</i>					
The plan provides a framework for future public and private investment to the community. The Comprehensive Plan Team led the development of updating the plan.					
<b>Capital Improvement Plan</b>	Yes	No	-	Local	Completed by Individual Depts.
<i>How does this reduce risk?</i>					
Part of the annual budget					
<b>Disaster Debris Management Plan</b>	No	No	-	-	-



	Jurisdiction has this? (Yes/No)	Required by State? (Yes/No)	Code Citation and Date (code chapter, name of plan, date of plan)	Authority (local, county, state, federal)	Individual / Department / Agency Responsible
<i>How does this reduce risk?</i>					
<b>Floodplain Management or Watershed Plan</b>	No	No	-	-	-
<i>How does this reduce risk?</i>					
<b>Stormwater Management Plan</b>	Yes	No	-	Local	Village & Planning Board
<i>How does this reduce risk?</i>					
<b>Open Space Plan</b>	Yes	Yes	-	Local	Village & Planning Board
<i>How does this reduce risk?</i>					
<b>Urban Water Management Plan</b>	No	No	-	-	-
<i>How does this reduce risk?</i>					
<b>Habitat Conservation Plan</b>	No	No	-	-	-
<i>How does this reduce risk?</i>					
<b>Economic Development Plan</b>	Yes	No	-	County	IDA
<i>How does this reduce risk?</i>					
<b>Shoreline Management Plan</b>	N/A	Yes, in jurisdictions with CEHA areas	Article 34, Environmental Conservation Law, Coastal Erosion Hazard Areas	Yes, in jurisdictions with CEHA areas	-
<i>How does this reduce risk?</i>					
<b>Community Wildfire Protection Plan</b>	No	No	-	-	-
<i>How does this reduce risk?</i>					
<b>Community Forest Management Plan</b>	N/A	No	-	-	-
<i>How does this reduce risk?</i>					
<b>Transportation Plan</b>	No	No	-	-	-
<i>How does this reduce risk?</i>					
<b>Agriculture Plan</b>	No	No	-	-	-
<i>How does this reduce risk?</i>					
<b>Farmland Protection</b>					
<b>Climate Action/ Resiliency/Sustainability Plan</b>	No	No	-	-	
<i>How does this reduce risk?</i>					
<b>Tourism Plan</b>	Yes	No	-	-	-
<i>How does this reduce risk?</i>					
<b>Business/ Downtown Development Plan</b>	Yes	No	-	Local	Village & Planning Board
<i>How does this reduce risk?</i>					
<b>Other</b>	N/A	-	-	-	-
<b>Response/Recovery Planning</b>					
<b>Emergency Operations Plan</b>	Yes	Yes	-	Local	Code / Fire Dept.
<i>How does this reduce risk?</i>					
<b>Strategic Recovery Planning Report</b>	No	No	-	-	-
<i>How does this reduce risk?</i>					



	Jurisdiction has this? (Yes/No)	Required by State? (Yes/No)	Code Citation and Date (code chapter, name of plan, date of plan)	Authority (local, county, state, federal)	Individual / Department / Agency Responsible
<b>Threat &amp; Hazard Identification &amp; Risk Assessment (THIRA)</b> <i>How does this reduce risk?</i>	Yes	Yes	-	-	Village Board & Police Dept.
<b>Post-Disaster Recovery Plan</b> <i>How does this reduce risk?</i>	No	No	-	-	-
<b>Continuity of Operations Plan</b> <i>How does this reduce risk?</i>	No	No	-	-	-
<b>Public Health Plan</b> <i>How does this reduce risk?</i>	No	No	-	-	-
<b>Other</b>	N/A	-	-	-	-

### Development and Permitting Capability

The table below summarizes the capabilities of the Village of Avon to oversee and track development.

**Table 9.3-3. Development and Permitting Capability**

Indicate if your jurisdiction implements the following	Yes/No	Comment
Do you issue development permits? <ul style="list-style-type: none"> <li>If yes, what department is responsible?</li> <li>If no, what is your process for development?</li> </ul>	No	-
Are permits tracked by hazard area? (For example, floodplain development permits.)	No	-
Do you have a buildable land inventory? <ul style="list-style-type: none"> <li>If yes, describe.</li> <li>If no, quantitatively describe the level of buildout in the jurisdiction.</li> </ul>	No	-

### Administrative and Technical Capability

The table below summarizes potential staff and personnel resources available to the Village of Avon and their current responsibilities which contribute to hazard mitigation.

**Table 9.3-4. Administrative and Technical Capabilities**

Resources	Available (Yes/No)	Comments (Available Staff, Responsibilities, support of Hazard Mitigation)
Planning Board	Yes	Planning Board – made up of six members and meets monthly
Zoning Board of Adjustments	Yes	Zoning Board – made up of six members and meets as needed
Planning Department	No	-
Mitigation Planning Committee	No	-
Environmental Board/Commission	Yes	Park Commission – consists of 4 members and meets monthly
Open Space Board/Committee	No	-
Economic Development Commission/Committee	Yes	Village & Planning Board
Public Works/Highway Department	Yes	Department of Public Works



Resources	Available (Yes/No)	Comments (Available Staff, Responsibilities, support of Hazard Mitigation)
Construction/Building/Code Enforcement Department	Yes	Department of Building and Zoning
Emergency Management/Public Safety Department	No	-
Maintenance programs to reduce risk (stormwater maintenance, tree trimming, etc.)	Yes	DPW
Mutual aid agreements	Yes	Fire Department
Human Resources Manual	Yes	-
Other	N/A	-
<b>Technical/Staffing Capability</b>		
Planners or engineers with knowledge of land development and land management practices	No	Performed through Livingston County
Engineers or professionals trained in building or infrastructure construction practices	No	Performed through Livingston County
Planners or engineers with an understanding of natural hazards	No	Performed through Livingston County
Staff with expertise or training in benefit/cost analysis	Yes	Livingston County & Local
Professionals trained in conducting damage assessments	No	-
Personnel skilled or trained in GIS and/or Hazards United States (HAZUS) – Multi-Hazards (MH) applications	No	-
Scientist familiar with natural hazards	No	-
Surveyor(s)	No	-
Emergency Manager	No	-
Grant writer(s)	Yes	-
Resilience Officer	No	-
Other (this could include stormwater engineer, environmental specialist, etc.)	N/A	-

### Fiscal Capability

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

**Table 9.3-5. Fiscal Capabilities**

Financial Resources	Are these accessible or eligible to use for mitigation? (Yes/No) If yes, please describe. If no, can this be used to support in the future?
Community development Block Grants (CDBG, CDBG-DR)	Yes
Capital improvements project funding	Yes
Authority to levy taxes for specific purposes	Yes
User fees for water, sewer, gas or electric service	Yes
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	Yes
Withhold public expenditures in hazard-prone areas	No



Financial Resources	Are these accessible or eligible to use for mitigation? (Yes/No) If yes, please describe. If no, can this be used to support in the future?
Other federal or state Funding Programs	N/A
Open Space Acquisition funding programs	N/A
Other (for example, Clean Water Act 319 Grants [Nonpoint Source Pollution])	N/A

### Education and Outreach Capability

The table below summarizes the education and outreach resources available to the Village of Avon.

**Table 9.3-6. Education and Outreach Capabilities**

Outreach Resources	Available? (Yes/No)	Does the jurisdiction have any public outreach mechanisms / programs in place to inform citizens on natural hazards, risk, and ways to protect themselves during such events? If yes, please describe.
Public information officer or communications office	Yes	Local & Livingston County
Personnel skilled or trained in website development	No	-
Is hazard mitigation information available on your website?	No	-
Social media for hazard mitigation education and outreach	No	-
Citizen boards or commissions that address issues related to hazard mitigation	Yes	Village, Planning, & Zoning Boards
Other programs already in place that could be used to communicate hazard-related information	Yes	Social Media outlets
Warning Systems / Services (mass notification system, outdoor warning signals)	Yes	Fire Siren
Natural disaster/safety programs in place for schools	Yes	Avon Central School District Plan
Other	N/A	N/A

### Community Classifications

The table below summarizes classifications for community programs available to the Village of Avon.

**Table 9.3-7. Community Classifications**

Program	Participating? (Yes/No)	Classification (if applicable)	Date Classified (if applicable)
Community Rating System (CRS)	NP	-	-
Building Code Effectiveness Grading Schedule (BCEGS)	Yes	4 Commercial, 5 Residential	2019
Public Protection (ISO Fire Protection Classes 1 to 10)	Yes	4/4x	2020
NYSDEC Climate Smart Community	NP	-	-
StormReady Certification	NP	-	-
Firewise Communities classification	Yes	3	2018
Other	N/A	-	-

Note:





N/A Not applicable  
 NP Not participating  
 - Unavailable

### Adaptive Capacity

Adaptive capacity is defined as “the ability of systems, institutions, humans and other organisms to adjust to potential damage, to take advantage of opportunities, or respond to consequences” (IPCC 2014). In other words, it describes a jurisdiction’s current capabilities to adjust to, protect from, or withstand a future hazard event, future conditions, and changing risk. The table below summarizes the adaptive capacity for each hazard of concern and the jurisdiction’s rating.

**Table 9.3-8. Adaptive Capacity**

Hazard	Adaptive Capacity - Strong/Moderate/Weak*
Drought	Moderate
Earthquake	Moderate
Flood	Moderate
Hazardous Materials	Moderate
Invasive Species	Moderate
Landslide	Moderate
Mine Subsidence	Moderate
Pandemic	Moderate
Severe Storm	Strong
Severe Winter Storm	Strong
Wildfire	Moderate
Terrorism	Moderate
Utility Failure	Moderate

*\*Strong Capacity exists and is in use*  
*Moderate Capacity may exist; but is not used or could use some improvement*  
*Weak Capacity does not exist or could use substantial improvement*

### 9.3.4 National Flood Insurance Program (NFIP) Compliance

This section provides specific information on the management and regulation of the regulatory floodplain, including current and future compliance with the NFIP.

**Table 9.3-9. NFIP Summary**

Village of Avon	# Policies	# Claims (Losses)	Total Loss Payments	# RL Properties	# SRL Properties	# Policies in the 1% Flood Boundary
Village of Avon	4	2	\$48,639.37	N/A	N/A	0
NFIP Topic			Comments			
<b>Flood Vulnerability Summary</b>						
Describe areas prone to flooding in your jurisdiction. <ul style="list-style-type: none"> <li>Do you maintain a list of properties that have been damaged by flooding?</li> </ul>			Yes – Action Being Taken			
Do you maintain a list of property owners interested in flood mitigation?			No – None on File			



Village of Avon	# Policies	# Claims (Losses)	Total Loss Payments	# RL Properties	# SRL Properties	# Policies in the 1% Flood Boundary
Village of Avon	4	2	\$48,639.37	N/A	N/A	0
NFIP Topic			Comments			
<ul style="list-style-type: none"> <li>How many homeowners and/or business owners are interested in mitigation (elevation or acquisition)?</li> </ul>						
Are any RiskMAP projects currently underway in your jurisdiction? <ul style="list-style-type: none"> <li>If so, state what projects are underway.</li> </ul>			No			
How do you make Substantial Damage determinations? <ul style="list-style-type: none"> <li>How many were declared for recent flood events in your jurisdiction?</li> </ul>			Onsite evaluation			
How many properties have been mitigated (elevation or acquisition) in your jurisdiction? <ul style="list-style-type: none"> <li>If there are mitigation properties, how were the projects funded?</li> </ul>			None			
Do your flood hazard maps adequately address the flood risk within your jurisdiction? <ul style="list-style-type: none"> <li>If not, state why.</li> </ul>			Yes			
NFIP Compliance						
What local department is responsible for floodplain management?			Village Board, DPW, & Code Department			
Are any certified floodplain managers on staff in your jurisdiction?			Yes			
Do you have access to resources to determine possible future flooding conditions from climate change?			Yes – County & NYS			
Does your floodplain management staff need any assistance or training to support its floodplain management program? <ul style="list-style-type: none"> <li>If so, what type of assistance/training is needed?</li> </ul>			Yes			
Provide an explanation of NFIP administration services you provide (e.g. permit review, GIS, education/outreach, inspections, engineering capability)			-			
How do you determine if proposed development on an existing structure would qualify as a substantial improvement?			-			
What are the barriers to running an effective NFIP program in the community, if any?			-			
Does your jurisdiction have any outstanding NFIP compliance violations that need to be addressed? <ul style="list-style-type: none"> <li>If so, state the violations.</li> </ul>			-			
When was the most recent Community Assistance Visit (CAV) or Community Assistance Contact (CAC)?			-			
What is the local law number or municipal code of your flood damage prevention ordinance? What is the date that your flood damage prevention ordinance was last amended?			Chapter 37 – Flood Damage Prevention August 3, 1987			
Does your floodplain management program meet or exceed minimum requirements? <ul style="list-style-type: none"> <li>If exceeds, in what ways?</li> </ul>			-			
Are there other local ordinances, plans or programs (e.g. site plan review) that support floodplain management and meeting the NFIP requirements? For instance, does the planning board or zoning board consider efforts to			-			



Village of Avon	# Policies	# Claims (Losses)	Total Loss Payments	# RL Properties	# SRL Properties	# Policies in the 1% Flood Boundary
Village of Avon	4	2	\$48,639.37	N/A	N/A	0
NFIP Topic			Comments			
reduce flood risk when reviewing variances such as height restrictions?						
Does your jurisdiction participate in CRS? <ul style="list-style-type: none"> <li>If yes, is your jurisdiction interested in improving its CRS Classification?</li> <li>If no, is your jurisdiction interested in joining the CRS program?</li> </ul>			-			

Source: FEMA - Q3 Data; Livingston County HMP 2014

Notes:

RL Repetitive Loss; SRL Severe Repetitive Loss

### 9.3.5 Evacuation, Sheltering, Temporary Housing, and Permanent Housing

Evacuation routes, sheltering measures, temporary housing, and permanent housing must all be in place and available for public awareness to protect residents, mitigate risk, and relocate residents, if necessary, to maintain post-disaster social and economic stability.

#### Evacuation Routes

- NYS Route 5, NYS Route 39 & US Route 20

#### Sheltering

Site Name	Address	Capacity	Accommodates Pets?	ADA Compliant?	Backup Power?	Types of Medical Services Provided	Other Services Provided
Village Hall	74 Genesee St	175	Yes	Yes	Yes	Fire / Medical / Police	-
Fire Hall	74 Genesee St	175	Yes	Yes	Yes	Fire / Medical / Police	-

#### Temporary Housing

Site Name	Site Address	Infrastructure / Utilities Available (Water, electric, septic, etc.)	Capacity (Number of sites)	Type	Actions Required to Ensure Conformance with the NYS Uniform Fire Prevention and Building Code
Village Parking	74 Genesee St	Water, Electric	5	Parking Lot	None
Tops Parking Lot	600 Dream Valley BLVD	None	3	Parking Lot	Electric Water

#### Permanent Housing

While the Village of Avon did not identify potential locations for permanent housing, as part of the planning process, a countywide buildable land analysis was conducted and presented in Section 4 (County Profile). The Village can utilize this analysis to identify potential locations.

### 9.3.6 Growth/Development Trends





Understanding how past, current, and projected development patterns have or are likely to increase or decrease risk in hazard areas is a key component to understanding a jurisdiction’s overall risk to its hazards of concern. Table 9.3-10 summarizes recent and expected future development trends, including major residential/commercial development and major infrastructure development. New and proposed development in the Village is not expected to impact vulnerability to hazards. Even with the permit issued in 2017 for development in the SFHA, new and proposed development in the Village is not expected to impact vulnerability to hazards.

**Table 9.3-10. Recent and Expected Future Development**

Type of Development	2015		2016		2017		2018		2019		2020		2021	
<b>Number of Building Permits for New Construction Issued Since the Previous HMP* (within regulatory floodplain/ Outside regulatory floodplain)</b>														
	Total	Within SFHA	Total	Within SFHA	Total	Within SFHA	Total	Within SFHA	Total	Within SFHA	Total	Within SFHA	Total	Within SFHA
Single Family	63	-	80	-	64	-	62	-	71	-	79	-	43	-
Multi-Family	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other (commercial, mixed-use, etc.)	2	-	5	-	11	1	7	-	3	-	2	-	5	-
<b>Total Permits Issued</b>	<b>65</b>	<b>-</b>	<b>85</b>	<b>-</b>	<b>75</b>	<b>1</b>	<b>69</b>	<b>-</b>	<b>75</b>	<b>-</b>	<b>81</b>	<b>-</b>	<b>48</b>	<b>-</b>
Property or Development Name	Type of Development	# of Units / Structures		Location (address and/or block and lot)		Known Hazard Zone(s)*		Description / Status of Development						
<b>Recent Major Development and Infrastructure from 2015 to Present</b>														
Avon Commons	Residential	10		-		None		Townhouse / Commercial/ Apts.						
<b>Known or Anticipated Major Development and Infrastructure in the Next Five (5) Years</b>														
None identified														

SFHA Special Flood Hazard Area (1% flood event)

\* Only location-specific hazard zones or vulnerabilities identified.

### 9.3.7 Jurisdictional Risk Assessment

The hazard profiles in Section 5 (Risk Assessment) provide detailed information regarding each plan participant’s vulnerability to the identified hazards. Refer to Section 5.2 (Methodology and Tools) and Section 5.4 (Hazard Ranking) for a detailed summary for the Village of Avon’s risk assessment results and data used to determine the hazard ranking discussed later in this section.

Hazard area extent and location maps were generated to illustrate the probable areas impacted within the jurisdiction. These maps are based on the best available data at the time of the preparation of this plan and are adequate for planning purposes. Maps have been generated only for those hazards that can be clearly identified using mapping techniques and technologies and for which the Village of Avon has significant exposure. The maps also show the location of potential new development, where available. These maps are illustrated below.



Figure 9.3-1. Village of Avon Hazard Area Extent and Location Map 1

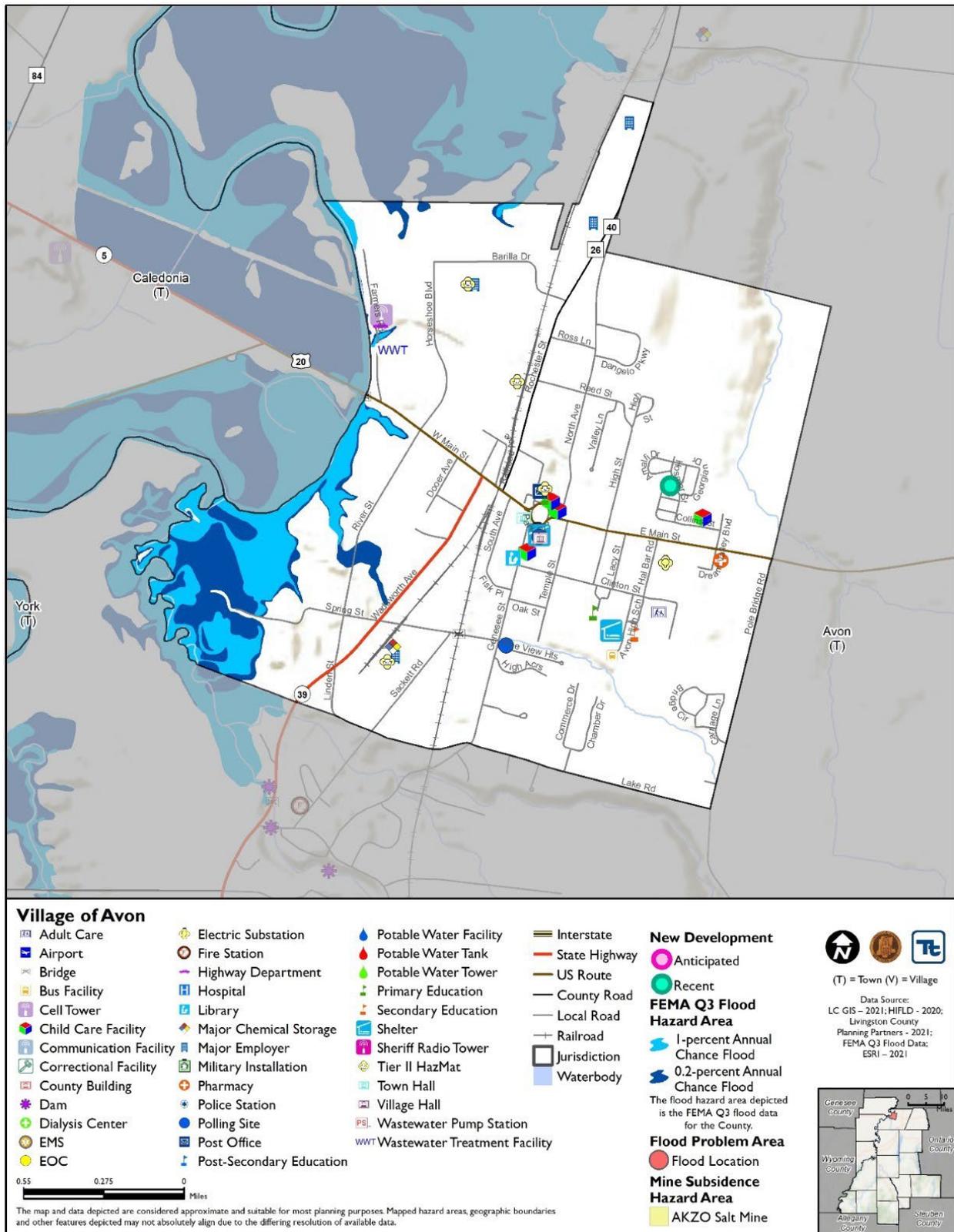




Figure 9.3-2. Village of Avon Hazard Area Extent and Location Map 2

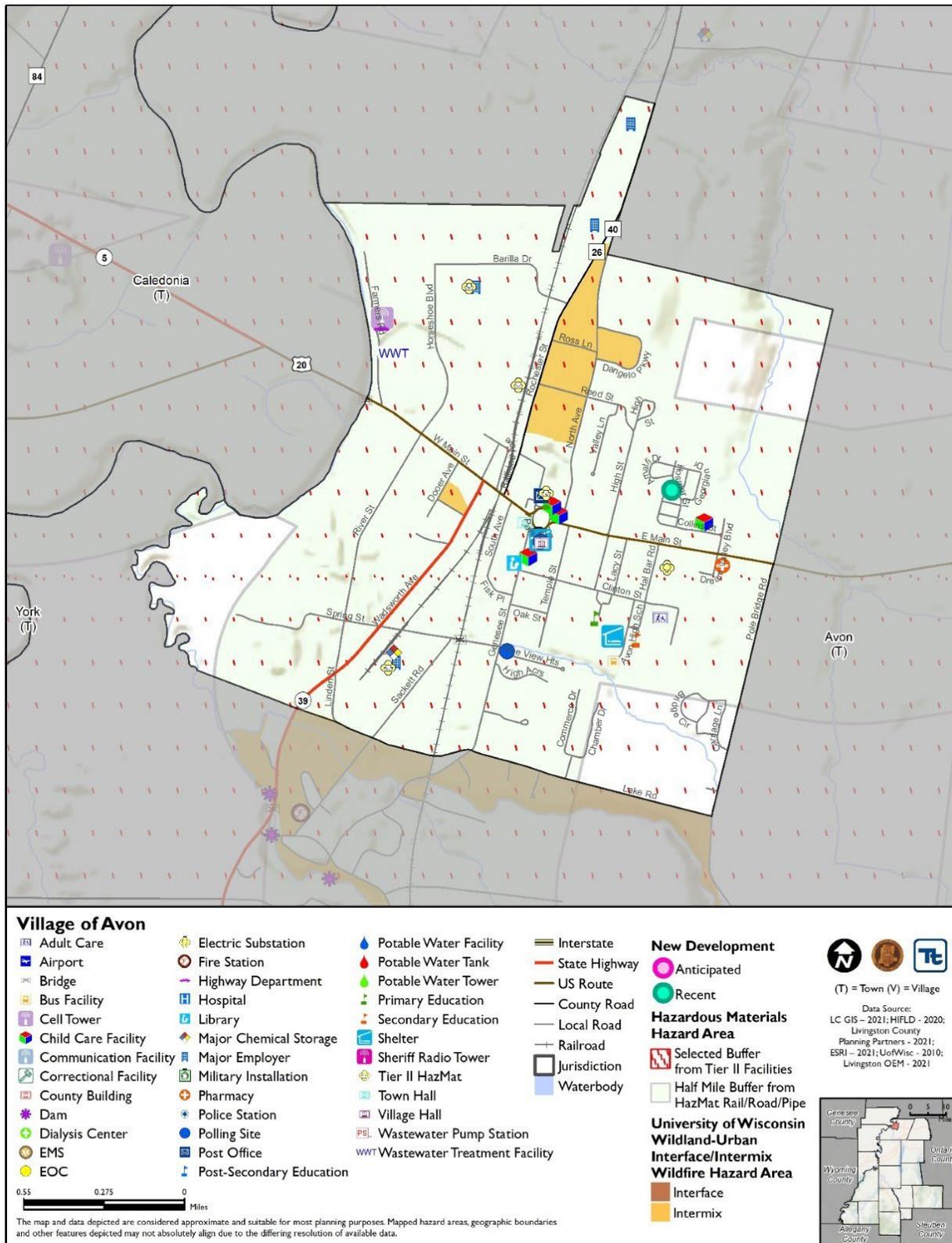
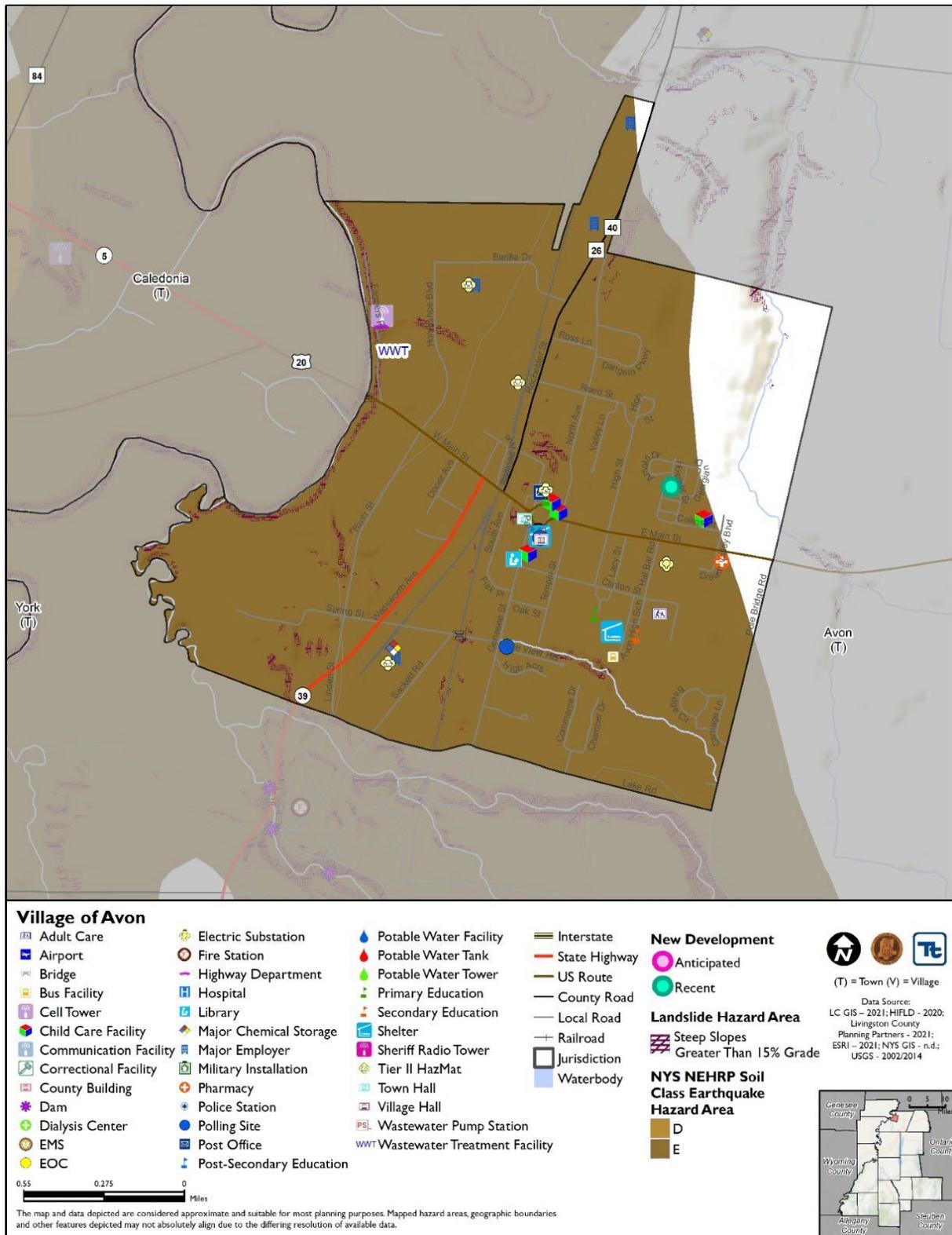




Figure 9.3-3. Village of Avon Hazard Area Extent and Location Map 3





### Hazard Event History

Livingston County has a history of natural and non-natural hazard events as detailed in Volume I, Section 5 (Risk Assessment) 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.

The Village of Avon’s history of federally-declared (as presented by FEMA) and significant hazard events (as presented in NOAA-NCEI) is consistent with that of Livingston County. Table 9.3-11 provides details regarding municipal-specific loss and damages the Village experienced during hazard events since the last hazard mitigation plan update. Information provided in the table below is based on reference material or local sources. For details of these and additional events, refer to Volume I, Section 5.0 of this plan.

Table 9.3-11. Hazard Event History

Dates of Event	Event Type (Disaster Declaration if applicable)	Emergency Declaration?	Municipal Summary of Damages and Losses
2020 & 2021	COVID 19 Pandemic	DR 3434 and 4480	Negative social, health, and economic impacts such as population loss, resident infections, resident deaths, mandatory business closures, school closings, decreases in the local labor market, and household supply shortages.
3/8/2017	High Wind	-	Damage to DPW Garage Roof

Notes:

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

### Hazard Ranking and Vulnerabilities

The hazard profiles in Section 5.0 (Risk Assessment) of this plan have detailed information regarding each plan participant’s vulnerability to the identified hazards. The following summarizes the Village of Avon’s risk assessment results and data used to determine the hazard ranking.

#### Hazard Ranking

This section provides the community specific identification of the primary hazard concerns based on identified problems, impacts and the results of the risk assessment as presented in Section 5 (Risk Assessment) of the plan. The ranking process involves an assessment of the likelihood of occurrence for each hazard, along with its potential impacts on people, property, and the economy as well as community capability and changing future climate conditions. This input supports the mitigation action development to target those hazards with highest level of concern.

As discussed in Section 5.3 (Hazard Ranking), each participating jurisdiction may have differing degrees of risk exposure and vulnerability compared to Livingston County as a whole. Therefore, each Village of Avon ranked the degree of risk to each hazard as it pertains to their community. The table below summarizes the hazard risk/vulnerability rankings of potential natural hazards for the Village of Avon. The Village of Avon has reviewed the county hazard risk/vulnerability risk ranking table as well as its individual results to reflect the relative risk of the hazards of concern to the community.

During the review of the hazard/vulnerability risk ranking, the Village agreed with the calculated rankings.



**Table 9.3-12. Hazard Ranking Input**

<b>Drought</b>	<b>Earthquake</b>	<b>Flood</b>	<b>Hazardous Materials</b>	<b>Invasive Species</b>	<b>Landslide</b>	<b>Mine Subsidence</b>
Low	High	Low	High	Medium	Low	Low
<b>Pandemic</b>	<b>Severe Storm</b>	<b>Severe Winter Storm</b>	<b>Wildfire</b>	<b>Terrorism</b>	<b>Utility Failure</b>	
Medium	High	Medium	Low	Low	High	

Note: The scale is based on the hazard rankings established in Section 5.3 and modified as appropriate during review by the jurisdiction

**Critical Facilities**

The table below identifies critical facilities in the community located in the 1-percent and 0.2-percent floodplain and presents Hazards United States (HAZUS) – Multi-Hazards (MH) estimates of the damage and loss of use to critical facilities as a result of a 1-percent annual chance flood event.

**Table 9.3-13. Potential Flood Losses to Critical Facilities**

Name	Type	Exposure		Complies with NYS Standards	Addressed by Proposed Action
		1% Event	0.2% Event		
None located in the floodplain					

Source: Livingston County Planning Partners 2021; HIFLD 2020

**Identified Issues**

After review of the Village of Avon’s hazard event history, hazard rankings, jurisdiction specific vulnerabilities, hazard area extent and location, and current capabilities, the Village of Avon has identified the following vulnerabilities within their community:

- The area near Route 5/20 by CVS is prone to flooding due to lack of retention basins and water storage.
- The Village currently does not have a stormwater management plan.
- The Village does not have an emergency plan to use during a hazard or disaster.
- The village does not have a COOP/COG plan.
- The current outreach program run by the Village does not have information regarding best management practices to address stormwater runoff from farmland.
- Several waterbodies in the village have been impacted by hydrilla. This is an invasive species that chokes out waterways, affects water quality, and impacts the economy.
- The village lacks an updated flood damage prevention ordinance.
- The floodplain administrator for the village is in need of training and resources to understand the NFIP program and flooding in the village.

**9.3.8 Mitigation Strategy and Prioritization**

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

**Past Mitigation Initiative Status**

The following table indicates progress on the community’s mitigation strategy identified in the 2015 HMP. 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 9.3-14. Status of Previous Mitigation Actions**

Project #	Project	Hazard(s) Addressed	Brief Summary of the Original Problem	Responsible Party	Status (In Progress, Ongoing, No Progress, Complete)	<b>Evaluation of Success</b> 1. <b>Cost</b> 2. <b>Level of Protection</b> 3. <b>Damages Avoided; Evidence of Success</b>	Next Steps Project to be included in 2022 HMP or Discontinue If including action in the 2022 HMP, revise/reword to be more specific (as appropriate). If discontinue, explain why.
VA-1	Develop retention basins and storage areas with controlled outlets to alleviate repetitive flooding issues, especially near Route 5/20 by the CVS store.	Flood, Severe Storm	None provided in the 2015 HMP	SWCD	No Progress	1. 2. 3.	1. Include in the 2022 HMP 2. - 3. -
VA-2	Develop a Village stormwater management plan.	Flood, Severe Storm	None provided in the 2015 HMP	Village Planning	No Progress	1. 2. 3.	1. Include in the 2022 HMP 2. - 3. -
VA-3	Develop, train, and test an internal Village emergency plan for use during a wide variety of hazard and disaster events.	All	None provided in the 2015 HMP	County Planning Department	No Progress	1. 2. 3.	1. Include in the 2022 HMP 2. - 3. -
VA-4	Develop and test Village Continuity of Operations (COOP)/Continuity of Government (COG) Plans.	All	None provided in the 2015 HMP	County Planning Department	No Progress	1. 2. 3.	1. Include in the 2022 HMP 2. - 3. -
VA-5	Develop materials and conduct education and outreach to work with farmers to implement best management practices (BMP) to address stormwater runoff from fields.	Flood, Severe Storm	None provided in the 2015 HMP	County Planning Department	No Progress	1. 2. 3.	1. Include in the 2022 HMP 2. - 3. -
VA-6	Conduct a hydrilla management analysis to determine whether chemical treatments or the introduction of grass carp would be a more effective control measure.	Invasive Species	None provided in the 2015 HMP	County Planning Department	No Progress	1. 2. 3.	1. Include in the 2022 HMP 2. - 3. -
VA-7	Implement hydrilla control measures to prevent the further spread of the invasive species and to eventually reduce its impact on the County's water systems.	Invasive Species	None provided in the 2015 HMP	County Planning Department	No Progress	1. 2. 3.	1. Include in the 2022 HMP 2. - 3. -
VA-8	Support the mitigation of vulnerable structures via retrofit (e.g., elevation, flood-proofing) or acquisition/relocation to protect them from future damage; repetitive loss and severe repetitive loss properties should be a priority, when applicable.	Flood, Severe Storm, Wildfire, Winter Storm	None provided in the 2015 HMP	Village Engineering	Ongoing Capability	1. 2. 3.	1. Discontinue – ongoing capability for the Village 2. - 3. -
VA-9	Assess and prioritize feasible non-structural flood hazard mitigation alternatives for at-risk properties within	Flood, Severe Storm, Wildfire, Winter Storm	None provided in the 2015 HMP	Village Engineering	Ongoing Capability	1. 2.	1. Discontinue – ongoing capability for the Village 2. -



Project #	Project	Hazard(s) Addressed	Brief Summary of the Original Problem	Responsible Party	Status (In Progress, Ongoing, No Progress, Complete)	Evaluation of Success 1. Cost 2. Level of Protection 3. Damages Avoided; Evidence of Success	Next Steps Project to be included in 2022 HMP or Discontinue If including action in the 2022 HMP, revise/reword to be more specific (as appropriate). If discontinue, explain why.
	the floodplain (including those that have been identified as repetitive loss) such as acquisition/ relocation, or elevation. The parameters for feasibility for this initiative would include the following: funding, benefits versus costs, and willing participation of property owners. Implement as funding becomes available.					3.	3. -
VA-10	Develop and implement an enhanced all-hazards, public outreach/education/mitigation information program on natural hazard risks and what they can do in the way of mitigation and preparedness, including flood insurance.	All Hazards	None provided in the 2015 HMP	Village Supervisor	Ongoing Capability	1. 2. 3.	1. Discontinue – ongoing capability for the Village 2. - 3. -
VA-11	Maintain compliance with and good standing in the National Fire Insurance Program (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.	Flood	None provided in the 2015 HMP	NFIP FPA	Ongoing Capability	1. 2. 3.	1. Discontinue – ongoing capability for the Village 2. - 3. -
VA-12	Support and participate in County-led initiatives intended to build local and regional mitigation and risk-reduction capabilities (see Section 9.1), specifically to ensure alignment of mitigation initiatives through all levels of government (effort to build state and federal-level recognition and support of the County and local hazard mitigation planning strategies identified in this plan).	All Hazards	None provided in the 2015 HMP	County Departments	Ongoing Capability	1. 2. 3.	1. Discontinue – ongoing capability for the Village 2. - 3. -



Project #	Project	Hazard(s) Addressed	Brief Summary of the Original Problem	Responsible Party	Status (In Progress, Ongoing, No Progress, Complete)	Evaluation of Success 1. Cost 2. Level of Protection 3. Damages Avoided; Evidence of Success	Next Steps Project to be included in 2022 HMP or Discontinue If including action in the 2022 HMP, revise/reword to be more specific (as appropriate). If discontinue, explain why.
VA-13	Begin the process to promote or adopt higher regulatory and zoning standards to manage flood hazard risk; specifically through [examples]:	Flood	None provided in the 2015 HMP	NFIP FPA	Ongoing Capability	1. 2. 3.	1. Discontinue – ongoing capability for the Village 2. - 3. -
VA-14	Develop and implement a post-event damage assessment program, including the following elements:	Flood; Severe Storm; Severe Winter Storm	None provided in the 2015 HMP	Engineering Department	Ongoing Capability	1. 2. 3.	1. Discontinue – ongoing capability for the Village 2. - 3. -
VA-15	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. See following related Community Assistance Visit (CAV) initiative.	Flood	None provided in the 2015 HMP	NFIP FPA	Ongoing Capability	1. 2. 3.	1. Discontinue – ongoing capability for the Village 2. - 3. -
VA-16	Determine if a Community Assistance Visit (CAV) or Community Assistance Contact (CAC) is needed, and schedule if needed. This is a part of the process of joining CRS (above initiative).	Flood	None provided in the 2015 HMP	NFIP FPA	Ongoing Capability	1. 2. 3.	1. Discontinue – ongoing capability for the Village 2. - 3. -
VA-17	Designate a NFIP Floodplain Administrator (FPA), and other 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 (NYS SFMA), and pursue relevant continuing education training such as FEMA Benefit-Cost Analysis (BCA) and Substantial Damage Estimation (SDE).	Flood	None provided in the 2015 HMP	NFIP FPA	Ongoing Capability	1. 2. 3.	1. Discontinue – ongoing capability for the Village 2. - 3. -
VA-18	Develop and maintain mapping of all natural hazard risk areas in the Village, FEMA-delineated or otherwise, to support land use decision making (e.g., Planning Board, site plan review process).	Flood, Wildfire	None provided in the 2015 HMP	Engineering Department	Ongoing Capability	1. 2. 3.	1. Discontinue – ongoing capability for the Village 2. - 3. -



Project #	Project	Hazard(s) Addressed	Brief Summary of the Original Problem	Responsible Party	Status (In Progress, Ongoing, No Progress, Complete)	<b>Evaluation of Success</b> <b>1. Cost</b> <b>2. Level of Protection</b> <b>3. Damages Avoided; Evidence of Success</b>	Next Steps Project to be included in 2022 HMP or Discontinue If including action in the 2022 HMP, revise/reword to be more specific (as appropriate). If discontinue, explain why.
VA-19	Work with County and power companies to identify roads within the Village considered “critical” would be the first priority for clearing after an event involving downed power lines.	Severe Storm; Severe Winter Storm	None provided in the 2015 HMP	Engineering Department	Ongoing Capability	1. 2. 3.	1. Discontinue – ongoing capability for the Village 2. - 3. -
VA-20	Enhance or expand tree maintenance program and coordinate with utility companies.	Severe Storm; Severe Winter Storm	None provided in the 2015 HMP	Engineering Department	Ongoing Capability	1. 2. 3.	1. Discontinue – ongoing capability for the Village 2. - 3. -
VA-21	Work with utility companies and developers to bury utility lines underground, wherever possible.	Severe Storm; Severe Winter Storm	None provided in the 2015 HMP	Engineering Department	Ongoing Capability	1. 2. 3.	1. Discontinue – ongoing capability for the Village 2. - 3. -



### Completed Mitigation Initiatives Not Identified in the Previous Mitigation Strategy

Other than what is presented in Table 9.3-14, the Village of Avon did not complete any additional mitigation projects/activities since the 2015 HMP

### Proposed Hazard Mitigation Initiatives for the HMP Update

The Village of Avon participated in a mitigation action workshop in September 2021 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).

The table below indicates the range of proposed mitigation action categories.

Table 9.3-15. Analysis of Mitigation Actions by Hazard and Category

Hazard	FEMA				CRS					
	LPR	SIP	NSP	EAP	PR	PP	PI	NR	SP	ES
Drought	X				X					X
Earthquake	X				X					X
Flood	X	X			X	X				X
Hazardous Materials	X				X					X
Invasive Species	X		X		X			X		X
Landslide	X				X					X
Mine Subsidence	X				X					X
Pandemic	X				X					X
Severe Storm	X	X			X	X				X
Severe Winter Storm	X				X		X			X
Wildfire	X				X					X
Terrorism	X				X					X
Utility Failure	X				X					X

Note: Section 6 (Mitigation Strategy) provides for an explanation of the mitigation categories.

Table 9.3-16 summarizes the comprehensive range of specific mitigation initiatives the Village of Avon 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 9.3-16. Proposed Hazard Mitigation Initiatives

Project Number	Mitigation Initiative Name	Description of Problem and Solution	Critical Facility (Yes/No)	EHP Issues	Hazard(s) to be Mitigated	Goals Met	Estimated Timeline	Lead and Support Agencies	Potential Funding Sources	Estimated Benefits	Estimated Costs	Priority	Mitigation Category	CRS Category
2022-Village of Avon-001	Retention Basins and Storage Areas Near Route 5/20	<b>Problem:</b> The area near Route 5/20 by CVS is prone to flooding due to lack of retention basins and water storage. <b>Solution:</b> Develop retention basins and storage areas with controlled outlets to alleviate repetitive flooding issues, especially near Route 5/20 by the CVS store.	No	No	Flood, Severe Storm	1, 2	Within 5 years	Sewer and Water, Soil and Water, County Sheriff, Local Police	Water Quality Improvement Project (WQIP) Program, Village Budget	High	\$100,000+	High	SIP	PP
2022-Village of Avon-002	Stormwater Management Plan	<b>Problem:</b> The Village currently does not have a stormwater management plan. <b>Solution:</b> Develop and adopt a Stormwater Management Plan for the Village. The plan will include a description of stormwater control measures, best management practices, and procedure sin place to control stormwater. Once developed, the Village will review and update on a routine basis.	No	No	Flood, Severe Storm	1, 2	Within 5 years	Village Planning, County Planning	Village Budget	Medium	Medium	High	LPR	PR, PP
2022-Village of Avon-003	Develop, Train and Test Emergency Plan	<b>Problem:</b> The Village does not have an emergency plan to use during a hazard or disaster. <b>Solution:</b> Develop, train, and test an internal Village emergency plan for use during a wide variety of hazards and /disaster events.	No	No	All Hazards	1, 2, 3	Within 5 years	County Planning Department, Village Planning, Fire, and Highway	Village Budget	High	Medium	High	LPR	PR, ES
2022-Village of Avon-004	Develop COOP/COG Plan	<b>Problem:</b> The village does not have a COOP/COG plan. <b>Solution:</b> Develop and test Village Continuity of Operations (COOP)/Continuity of Government (COG) Plans.	No	No	All Hazards	1, 2	Within 5 years	County Planning Department, Village Planning, Fire, and Highway	Village Budget	High	Medium	High	LPR	PR, ES



Project Number	Mitigation Initiative Name	Description of Problem and Solution	Critical Facility (Yes/No)	EHP Issues	Hazard(s) to be Mitigated	Goals Met	Estimated Timeline	Lead and Support Agencies	Potential Funding Sources	Estimated Benefits	Estimated Costs	Priority	Mitigation Category	CRS Category
2022-Village of Avon-005	Expand Education and Outreach Program	<b>Problem:</b> The current outreach program run by the Village does not have information regarding best management practices to address stormwater runoff from farmland.  <b>Solution:</b> Develop materials and conduct education and outreach to work with farmers to implement best management practices (BMP) to address stormwater runoff from fields.	No	No	Flood, Severe Storm, Severe Winter Storm	1, 2, 3	Within 3 years	County Planning Department, County Office of Emergency Management, Municipality	Village Budget, FEMA HMGP	High	\$20,000	High	LPR	PI
2022-Village of Avon-006	Hydrilla Management Analysis and Control	<b>Problem:</b> Several waterbodies in the village have been impacted by hydrilla. This is an invasive species that chokes out waterways, affects water quality, and impacts the economy.  <b>Solution:</b> Conduct a hydrilla management analysis to determine whether chemical treatments or the introduction of grass carp would be a more effective control measure. In addition, implement hydrilla control measures to prevent the further spread of the invasive species and to eventually reduce its impact on the County's water systems.	No	No	Invasive Species	1, 2, 3	Within 3 years	County Planning Department with municipality and NYSDEC support	Village Budget	Medium	Medium	Medium	NSP	NR
2022-Village of Avon-007	Update Flood Damage Prevention Ordinance	<b>Problem:</b> The village lacks an updated flood damage prevention ordinance.  <b>Solution:</b> The village will adopt an updated flood damage prevention ordinance to meet state and federal NFIP standards.	No	No	Flood	1, 2	Within 6 months	NFIP Floodplain Administrator, Village Board	Village Budget	Meeting state and federal standards	Staff time	High	LPR	PR
2022-Village of Avon-008	NFIP Administrator Training	<b>Problem:</b> The floodplain administrator for the village is in need of training and resources to understand the NFIP program and flooding in the village.	No	No	Flood	1, 2, 3	Within 1 year	NFIP Floodplain Administrator, NYSDEC	Village Budget	Increase education and training on floods	Staff time	High	LPR	PR





Project Number	Mitigation Initiative Name	Description of Problem and Solution	Critical Facility (Yes/No)	EHP Issues	Hazard(s) to be Mitigated	Goals Met	Estimated Timeline	Lead and Support Agencies	Potential Funding Sources	Estimated Benefits	Estimated Costs	Priority	Mitigation Category	CRS Category
		<b>Solution:</b> The floodplain administrator will review the list of upcoming trainings on the NYSDEC website and sign up to attend. This will allow the administrator to understand their role in administering the program and learning about the NFIP.								in the village				

Notes:

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

Acronyms and Abbreviations:

- CAV Community Assistance Visit
- CRS Community Rating System
- DPW Department of Public Works
- EHP Environmental Planning and Historic Preservation
- 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
- BRIC Building Resilient Infrastructure and Communities Program

Timeline:

The time required for completion of the project upon implementation

Cost:

The estimated cost for implementation.

Benefits:

A description of the estimated benefits, either quantitative and/or qualitative.

Critical Facility:

Yes Critical Facility located in 1% floodplain

Mitigation Category:

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

CRS Category:





- *Preventative Measures (PR) - Government, administrative or regulatory actions, or processes that influence the way land and buildings are developed and built. Examples include planning and zoning, floodplain local laws, capital improvement programs, open space preservation, and storm water management regulations.*
- *Property Protection (PP) - These actions include public activities to reduce hazard losses or actions that involve (1) modification of existing buildings or structures to protect them from a hazard or (2) removal of the structures from the hazard area. Examples include acquisition, elevation, relocation, structural retrofits, storm shutters, and shatter-resistant glass.*
- *Public Information (PI) - Actions to inform and educate citizens, elected officials, and property owners about hazards and potential ways to mitigate them. Such actions include outreach projects, real estate disclosure, hazard information centers, and educational programs for school-age children and adults.*
- *Natural Resource Protection (NR) - Actions that minimize hazard loss and also preserve or restore the functions of natural systems. These actions include sediment and erosion control, stream corridor restoration, watershed management, forest and vegetation management, and wetland restoration and preservation.*
- *Structural Flood Control Projects (SP) - Actions that involve the construction of structures to reduce the impact of a hazard. Such structures include dams, setback levees, floodwalls, retaining walls, and safe rooms.*
- *Emergency Services (ES) - Actions that protect people and property during and immediately following a disaster or hazard event. Services include warning systems, emergency response services, and the protection of essential facilities*



Table 9.3-17. Summary of Prioritization of Actions

Project Number	Project Name	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
2022-Village of Avon-001	Retention Basins and Storage Areas Near Route 5/20	1	1	1	1	1	0	0	0	0	1	1	1	1	0	9	High
2022-Village of Avon-002	Stormwater Management Plan	1	1	1	1	0	1	1	0	0	1	1	1	0	0	9	High
2022-Village of Avon-003	Develop, Train and Test Emergency Plan	1	1	1	1	0	1	1	0	0	1	1	1	0	0	9	High
2022-Village of Avon-004	Develop COOP/COG Plan	1	1	1	1	0	1	1	0	0	1	1	1	0	0	9	High
2022-Village of Avon-005	Expand Education and Outreach Program	1	1	1	1	0	1	1	0	0	1	1	1	0	0	9	High
2022-Village of Avon-006	Hydrilla Management Analysis and Control	1	1	1	1	0	0	0	0	0	1	0	1	0	0	6	Medium
2022-Village of Avon-007	Update Flood Damage Prevention Ordinance	1	1	1	1	1	1	1	0	0	1	0	1	0	0	9	High
2022-Village of Avon-008	NFIP Administrator Training	1	1	1	1	1	1	1	0	0	1	0	1	0	0	9	High

Note: Refer to Section 6, which conveys guidance on prioritizing mitigation actions. Low (0-4), Medium (5-8), High (9-14).



### 9.3.9 Action Worksheets

The following action worksheets have been developed by the Village of Avon to aid in the submittal of grant applications to support the funding of high priority proposed actions.

Action Worksheet			
<b>Project Name:</b>	Retention Basins and Storage Areas Near Route 5/20		
<b>Project Number:</b>	2022-Village of Avon-001		
<b>Risk / Vulnerability</b>			
<b>Hazard(s) of Concern:</b>	Flood, Severe Storm		
<b>Description of the Problem:</b>	The area near Route 5/20 by CVS is prone to flooding due to lack of retention basins and water storage.		
<b>Action or Project Intended for Implementation</b>			
<b>Description of the Solution:</b>	Develop retention basins and storage areas with controlled outlets to alleviate repetitive flooding issues, especially near Route 5/20 by the CVS store.		
<b>Is this project related to a Critical Facility?</b>	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
<b>Is this project related to a Critical Facility located within the Special Flood Hazard Area?</b>	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
(If yes, this project must intend to protect to the 500-year flood event or the actual worse case damage scenario, whichever is greater)			
<b>Level of Protection:</b>	20-year	<b>Estimated Benefits (losses avoided):</b>	High
<b>Useful Life:</b>	15 years	<b>Goals Met:</b>	1, 2
<b>Estimated Cost:</b>	\$100,000+	<b>Mitigation Action Type:</b>	SIP
<b>Plan for Implementation</b>			
<b>Prioritization:</b>	High	<b>Desired Timeframe for Implementation:</b>	Within 6 months of funding award
<b>Estimated Time Required for Project Implementation:</b>	Within 5 years	<b>Potential Funding Sources:</b>	Water Quality Improvement Project (WQIP) Program, Village Budget
<b>Responsible Organization:</b>	Sewer and Water, Soil and Water, County Sheriff, Local Police	<b>Local Planning Mechanisms to be Used in Implementation if any:</b>	Hazard Mitigation, Capital Improvement
<b>Three Alternatives Considered (including No Action)</b>			
<b>Alternatives:</b>	<b>Action</b>	<b>Estimated Cost</b>	<b>Evaluation</b>
	No Action	\$0	Problem continues.
	Acquire all properties in area	\$1 million+	Costly; not necessary; loss tax base
	Develop retention basins	\$100,000+	Selected project
<b>Progress Report (for plan maintenance)</b>			
<b>Date of Status Report:</b>			
<b>Report of Progress:</b>			
<b>Update Evaluation of the Problem and/or Solution:</b>			



Evaluation and Prioritization		
<b>Project Name:</b>	Retention Basins and Storage Areas Near Route 5/20	
<b>Project Number:</b>	2022-Village of Avon-001	
Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	Protect residents in the floodprone areas
Property Protection	1	Reduce or eliminate flood damage to buildings in this area
Cost-Effectiveness	1	Benefits outweigh the costs
Technical	1	
Political	1	
Legal	0	
Fiscal	0	Need funding to complete project
Environmental	0	
Social	0	
Administrative	1	
Multi-Hazard	1	Flood, Severe Storm
Timeline	1	To be completed within 5 years
Agency Champion	1	
Other Community Objectives	0	
<b>Total</b>	9	
<b>Priority (High/Med/Low)</b>	High	



Action Worksheet			
<b>Project Name:</b>	Expand Education and Outreach Program		
<b>Project Number:</b>	2022-Village of Avon-005		
<b>Risk / Vulnerability</b>			
<b>Hazard(s) of Concern:</b>	Flood, Severe Storm, Severe Winter Storm		
<b>Description of the Problem:</b>	The current outreach program run by the Village does not have information regarding best management practices to address stormwater runoff from farmland.		
<b>Action or Project Intended for Implementation</b>			
<b>Description of the Solution:</b>	Develop materials and conduct education and outreach to work with farmers to implement best management practices (BMP) to address stormwater runoff from fields.		
<b>Is this project related to a Critical Facility?</b>	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
<b>Is this project related to a Critical Facility located within the Special Flood Hazard Area?</b>	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
(If yes, this project must intend to protect to the 500-year flood event or the actual worse case damage scenario, whichever is greater)			
<b>Level of Protection:</b>	N/A	<b>Estimated Benefits (losses avoided):</b>	High
<b>Useful Life:</b>	10 years	<b>Goals Met:</b>	1, 2, 3
<b>Estimated Cost:</b>	\$20,000	<b>Mitigation Action Type:</b>	SIP
<b>Plan for Implementation</b>			
<b>Prioritization:</b>	High	<b>Desired Timeframe for Implementation:</b>	Within 6 months of funding award
<b>Estimated Time Required for Project Implementation:</b>	Within 3 years	<b>Potential Funding Sources:</b>	Village Budget, FEMA HMGP
<b>Responsible Organization:</b>	County Planning Department, County Office of Emergency Management, Municipality	<b>Local Planning Mechanisms to be Used in Implementation if any:</b>	Hazard Mitigation
<b>Three Alternatives Considered (including No Action)</b>			
<b>Alternatives:</b>	<b>Action</b>	<b>Estimated Cost</b>	<b>Evaluation</b>
	No Action	\$0	Problem continues.
	Use generic materials regarding BMPs for runoff	<\$1,000	Not specific to the Village; may not apply to concerns
	Expand program	\$20,000	Selected project
<b>Progress Report (for plan maintenance)</b>			
<b>Date of Status Report:</b>			
<b>Report of Progress:</b>			
<b>Update Evaluation of the Problem and/or Solution:</b>			



Evaluation and Prioritization		
<b>Project Name:</b>	Expand Education and Outreach Program	
<b>Project Number:</b>	2022-Village of Avon-005	
Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	Increases awareness of residents regarding runoff
Property Protection	1	Provides information on how to reduce runoff and protect structures from stormwater flooding
Cost-Effectiveness	1	Benefits outweigh the costs
Technical	1	
Political	0	
Legal	1	
Fiscal	1	Can be funded through village budget
Environmental	0	
Social	0	
Administrative	1	
Multi-Hazard	1	Flood, Severe Storm, Severe Winter Storm
Timeline	1	To be completed within 3 years
Agency Champion	0	
Other Community Objectives	0	
<b>Total</b>	9	
<b>Priority (High/Med/Low)</b>	High	