

## SECTION 9. JURISDICTIONAL ANNEXES

### 9.8 VILLAGE OF HILLBURN

This jurisdictional annex to the Rockland County Hazard Mitigation Plan (HMP) provides information to assist public and private sectors in the Village of Hillburn with reducing losses from future hazard events. This annex is not guidance of what to do when a disaster occurs; its focus is on actions that can be implemented prior to a disaster to reduce or eliminate damage to property and people. The annex presents a general overview of the Village of Hillburn, describes who participated in the planning process, assesses the Village’s risk, vulnerability, and capabilities, and outlines a strategy for achieving a more resilient community.

#### 9.8.1 Hazard Mitigation Planning Team

The Village of Hillburn identified primary and alternate HMP points of contact and developed this plan over the course of several months, with input from many Village departments. The Mayor represented the community on the Rockland County HMP Planning Partnership and Steering Committee 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.

Table 9.8-1 summarizes Village officials who participated in the development of the annex and in what capacity. Additional documentation of the Village’s planning activities through Planning Partnership meetings is included in Volume I.

*Table 9.8-1. Hazard Mitigation Planning Team*

Primary Point of Contact	Alternate Point of Contact
Name/Title: Joseph P. Tursi, Mayor Address: 31 Mountain Avenue, Hillburn, NY 10931 Phone Number: 845-357-2036 Email: <a href="mailto:hillburnmain@optonline.net">hillburnmain@optonline.net</a>	Name/Title: Bernadette Tarantino, Deputy Mayor Address: 31 Mountain Avenue, Hillburn, NY 10931 Phone Number: 845-357-2036 Email: <a href="mailto:hillburnmain@optonline.net">hillburnmain@optonline.net</a>
<b>National Flood Insurance Program Floodplain Administrator</b>	
Name/Title: Eve Mancuso, Village Engineer Address: 74 Lafayette Avenue, Suite 501, Suffern, NY 10901 Phone: (845) 357-4411 Email: Mancuso.eve@wseinc.com	
<b>Additional Contributors</b>	
Name/Title: Robin Miele, Clerk/Treasurer Participation: Provided information to update municipal annex	

#### 9.8.2 Municipal Profile

The Village of Hillburn is located in the Town of Ramapo in Rockland County. It is approximately 40 miles from New York City. The Village is bordered to the north and west by the Town of Ramapo, to the south by New Jersey, and to the east by the Village of Suffern. The Ramapo River flows through the Village, following Interstate 87. The Village has a total area of 2.2 square miles.

Research has shown that some populations are at greater risk from hazard events because of decreased resources or physical abilities. These populations can be more susceptible to hazard events based on a number of factors including their physical and financial ability to react or respond during a hazard, and the location and construction quality of their housing. Data from the 2017-2021 American Community Survey indicates that 10.3 percent of the population is five years of age or younger, 14.5 percent is 65 years of age or older, 4.3 percent is non-English speaking, 13.9 percent is below the poverty threshold, and 13.1 percent is considered disabled.

### 9.8.3 Jurisdictional Capability Assessment and Integration

The Village of Hillburn performed an inventory and analysis of existing capabilities, plans, programs, and policies that enhance its ability to implement mitigation strategies. Volume I describes the components included in the capability assessment and their significance for hazard mitigation planning. The jurisdictional assessment for this annex includes analyses of the following:

- Planning and regulatory capabilities
- Development and permitting capabilities
- Administrative and technical capabilities
- Fiscal capabilities
- Education and outreach capabilities
- Classification under various community mitigation programs
- Adaptive capacity to withstand hazard events

For a community to succeed in reducing long-term risk, hazard mitigation must be integrated into day-to-day local government operations. As part of the hazard mitigation analysis, planning and /policy documents were reviewed, and each jurisdiction was surveyed to obtain a better understanding of their progress toward plan integration. Development of an updated mitigation strategy provided an opportunity for the Village of Hillburn to identify opportunities for integration of mitigation concepts that can be incorporated into municipal procedures.

### Planning, Legal, and Regulatory Capability and Integration

Table 9.8-2 summarizes the regulatory tools that are available to Hillburn.

**Table 9.8-2. Planning, Legal, and Regulatory Capability and Integration**

	Jurisdiction has this? (Yes/No)	Citation and Date (code chapter or name of plan, date of enactment or plan adoption)	Authority (local, county, state, federal)	Responsible Person, Department or Agency
<b>Codes, Ordinances, &amp; Regulations</b>				
<b>Building Code</b>	Yes	Chapter 80 – Building Construction and Fire Prevention	State and Local	Building and Fire Inspector
<i>How has or will this be integrated with the HMP and how does this reduce risk?</i> The Village of Hillburn has adopted the NYS Building Construction Code and the NYS Fire Prevention Code.				
<b>Zoning/Land Use Code</b>	Yes	Chapter 250 – Zoning	Local	Zoning Board
<i>How has or will this be integrated with the HMP and how does this reduce risk?</i> The Village of Hillburn adopted an updated Zoning Code and Comprehensive Plan in January 2020, that includes regulations regarding Ridgeline Protection and Floodplain Development.				

	Jurisdiction has this? (Yes/No)	Citation and Date (code chapter or name of plan, date of enactment or plan adoption)	Authority (local, county, state, federal)	Responsible Person, Department or Agency
<b>Subdivision Code</b>	Yes	Chapter 210 – Subdivision and Site Plan Regulations	Local	Village
<i>How has or will this be integrated with the HMP and how does this reduce risk?</i> The Hazard Mitigation Plan is a factor considered in all Planning Board reviews.				
<b>Site Plan Code</b>	Yes	Chapter 210 – Subdivision and Site Plan Regulations	Local	Planning Board
<i>How has or will this be integrated with the HMP and how does this reduce risk?</i> The Hazard Mitigation Plan is a factor considered in all Planning Board reviews.				
<b>Stormwater Management Code</b>	Yes	Chapter 198 – Stormwater Management	Local	Stormwater Management Officer
<i>How has or will this be integrated with the HMP and how does this reduce risk?</i> The Stormwater Management Officer (Village Engineer) considers the Hazard Mitigation Plan during MS-4 reporting.				
<b>Post-Disaster Recovery/ Reconstruction Code</b>	No	-	-	-
<i>How has or will this be integrated with the HMP and how does this reduce risk?</i> N/A				
<b>Real Estate Disclosure</b>	Yes	New York State (NYS) mandate, Property Condition Disclosure Act, NY Code – Article 14 §460-467	State and local	
<i>How has or will this be integrated with the HMP and how does this reduce risk?</i> Yes, by others – it is not a Village responsibility.				
<b>Growth Management</b>	No	-	-	-
<i>How has or will this be integrated with the HMP and how does this reduce risk?</i> N/A				
<b>Environmental Protection Ordinance(s)</b>	No	-	-	-
<i>How has or will this be integrated with the HMP and how does this reduce risk?</i> N/A				
<b>Flood Damage Prevention Ordinance</b>	Yes	Chapter 130 – Flood Damage Prevention	Federal, State, Local	Village Engineer
<i>How has or will this be integrated with the HMP and how does this reduce risk?</i> The Village’s Floodplain Administrator (Village Engineer) considers the Hazard Mitigation Plan when reviewing all applications.				
<b>Wellhead Protection</b>	No	-	-	-
<i>How has or will this be integrated with the HMP and how does this reduce risk?</i> N/A				
<b>Emergency Management Ordinance</b>	No	-	-	-
<i>How has or will this be integrated with the HMP and how does this reduce risk?</i> N/A				
<b>Climate Change Ordinance</b>	No	-	-	-
<i>How has or will this be integrated with the HMP and how does this reduce risk?</i> N/A				
<b>Other: Freeboard</b>	Yes	State mandated BFE+2 for single and two-family residential construction, BFE+1 for all other construction types	State and Local	Village Engineer
<i>How has or will this be integrated with the HMP and how does this reduce risk?</i> The Village Engineer and Building Department considers the Hazard Mitigation Plan when reviewing all applications.				

	Jurisdiction has this? (Yes/No)	Citation and Date (code chapter or name of plan, date of enactment or plan adoption)	Authority (local, county, state, federal)	Responsible Person, Department or Agency
<b>Other: Municipal Separate Storm Sewer System (MS4)</b>	Yes	Chapter 198 – Stormwater Management	Local	Stormwater Management Officer
<i>How has or will this be integrated with the HMP and how does this reduce risk?</i>				
The Village Engineer considers the Hazard Mitigation Plan when preparing the annual MS-4 Report.				
<b>Planning Documents</b>				
<b>General/Comprehensive Plan</b>	No	-	-	-
<i>How has or will this be integrated with the HMP and how does this reduce risk?</i>				
N/A				
<b>Capital Improvement Plan</b>	No	-	-	-
<i>How has or will this be integrated with the HMP and how does this reduce risk?</i>				
N/A				
<b>Disaster Debris Management Plan</b>	No	-	-	-
<i>How has or will this be integrated with the HMP and how does this reduce risk?</i>				
N/A				
<b>Floodplain Management or Watershed Plan</b>	Yes	Village Code Chapter 130 – Flood Damage Prevention, 2014	Local	Village Engineer and Local Administration
<i>How has or will this be integrated with the HMP and how does this reduce risk?</i>				
MS-4 Watershed Plan will be considered.				
<b>Stormwater Management Plan</b>	Yes	Village Code Chapter 198 – Stormwater Management, 2008	Local	Stormwater Management Officer
<i>How has or will this be integrated with the HMP and how does this reduce risk?</i>				
Each project is scrutinized to insure proper compliance to the requirements detailed in the Village’s Stormwater Management Plan, including but not limited to compliance to the NYS Stormwater Management Design Manual, the NY Standards and Specifications for Erosion and Sediment Control, and SWPPP requirements.				
<b>Open Space Plan</b>	No	-	-	-
<i>How has or will this be integrated with the HMP and how does this reduce risk?</i>				
N/A				
<b>Urban Water Management Plan</b>	No	-	-	-
<i>How has or will this be integrated with the HMP and how does this reduce risk?</i>				
N/A				
<b>Habitat Conservation Plan</b>	No	-	-	-
<i>How has or will this be integrated with the HMP and how does this reduce risk?</i>				
N/A				
<b>Economic Development Plan</b>	No	-	-	-
<i>How has or will this be integrated with the HMP and how does this reduce risk?</i>				
N/A				
<b>Community Wildfire Protection Plan</b>	No	-	-	-
<i>How has or will this be integrated with the HMP and how does this reduce risk?</i>				
N/A				
<b>Community Forest Management Plan</b>	No	-	-	-
<i>How has or will this be integrated with the HMP and how does this reduce risk?</i>				
N/A				

	Jurisdiction has this? (Yes/No)	Citation and Date (code chapter or name of plan, date of enactment or plan adoption)	Authority (local, county, state, federal)	Responsible Person, Department or Agency
<b>Transportation Plan</b>	No	-	-	-
<i>How has or will this be integrated with the HMP and how does this reduce risk?</i> N/A				
<b>Agriculture Plan</b>	No	-	-	-
<i>How has or will this be integrated with the HMP and how does this reduce risk?</i> N/A				
<b>Climate Action/Resiliency/Sustainability Plan</b>	No	-	-	-
<i>How has or will this be integrated with the HMP and how does this reduce risk?</i> N/A				
<b>Tourism Plan</b>	No	-	-	-
<i>How has or will this be integrated with the HMP and how does this reduce risk?</i> N/A				
<b>Business/ Downtown Development Plan</b>	No	-	-	-
<i>How has or will this be integrated with the HMP and how does this reduce risk?</i> N/A				
<b>Other (for example NYRCR, etc.)</b>	No	-	-	-
<i>How has or will this be integrated with the HMP and how does this reduce risk?</i> N/A				
<b>Response/Recovery Planning</b>				
<b>Comprehensive Emergency Management Plan</b>	No	-	-	-
<i>How has or will this be integrated with the HMP and how does this reduce risk?</i> N/A				
<b>Continuity of Operations Plan</b>	No	-	-	-
<i>How has or will this be integrated with the HMP and how does this reduce risk?</i> N/A				
<b>Substantial Damage Response Plan</b>	No	-	-	-
<i>How has or will this be integrated with the HMP and how does this reduce risk?</i> N/A				
<b>Threat &amp; Hazard Identification &amp; Risk Assessment</b>	No	-	-	-
<i>How has or will this be integrated with the HMP and how does this reduce risk?</i> N/A				
<b>Post-Disaster Recovery Plan</b>	No	-	-	-
<i>How has or will this be integrated with the HMP and how does this reduce risk?</i> N/A				
<b>Public Health Plan</b>	No	-	-	-
<i>How has or will this be integrated with the HMP and how does this reduce risk?</i> N/A				
<b>Other</b>	No	-	-	-
<i>How has or will this be integrated with the HMP and how does this reduce risk?</i> N/A				

### Development and Permitting Capability

Table 9.8-3 summarizes the capabilities of Hillburn to oversee and track development.

**Table 9.8-3. 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 you issue development permits, what department is responsible?</li> <li>If you do not issue development permits, what is your process for tracking new development?</li> </ul>	No	-
Are permits tracked by hazard area? (For example, floodplain development permits.)	Yes	Floodplain Development Permits are issued by the Floodplain Administer, the Village Engineer
Do you have a buildable land inventory? <ul style="list-style-type: none"> <li>If you have a buildable land inventory, please describe</li> </ul>	No	-
Describe the level of build-out in your jurisdiction.	N/A	-

### Administrative and Technical Capability

Table 9.8-4 summarizes potential staff and personnel resources available to Hillburn and their current responsibilities that contribute to hazard mitigation.

**Table 9.8-4. Administrative and Technical Capabilities**

Resources	Available? (Yes/No)	Comments (available staff, responsibilities, support of hazard mitigation)
<i>Administrative Capability</i>		
Planning Board	Yes	The planning board uses the Village’s zoning local law, Rockland County Department of Planning, and floodplain administration to guide their decisions with respect to natural hazard risk management.
Zoning Board of Adjustment	Yes	The zoning board uses the Village’s zoning local law, Rockland County Department of Planning, and floodplain administration to guide their decisions with respect to natural hazard risk management.
Planning Department	No	-
Mitigation Planning Committee	No	-
Environmental Board/Commission	No	-
Open Space Board/Committee	No	-
Economic Development Commission/Committee	No	-
Public Works/Highway Department	Yes	The Public Works Department is responsible for household trash and recycling pick-up, the maintenance of Village facilities and grounds.
Construction/Building/Code Enforcement Department	No	-
Emergency Management/Public Safety Department	Yes	Police services are provided to the Village of Hillburn by the Town of Ramapo Police Department.  Hillburn Fire Department is a volunteer department which services the Village.

Resources	Available? (Yes/No)	Comments (available staff, responsibilities, support of hazard mitigation)
Maintenance programs to reduce risk (stormwater maintenance, tree trimming, etc.)	Yes	The Public Works Department is responsible for household trash and recycling pick-up, the maintenance of Village facilities and grounds.
Mutual aid agreements	Yes	Police
Human Resources Manual - Do any job descriptions specifically include identifying or implementing mitigation projects or other efforts to reduce natural hazard risk?	Yes	There are no job descriptions specifically include identifying or implementing mitigation projects or other efforts to reduce natural hazard risk.
Other: Community Forestry Council	Yes	It is the responsibility of the Council to study, investigate, counsel, develop and/or update annually a written plan for the care, preservation, pruning, planting, replanting, removal or disposition of trees, shrubs and bushes in parks, along streets and in other public areas, including easements.
<i>Technical/Staffing Capability</i>		
Planners or engineers with knowledge of land development and land management practices	Yes	Village Engineer
Engineers or professionals trained in building or infrastructure construction practices	Yes	Village Engineer
Planners or engineers with an understanding of natural hazards	Yes	Village Engineer
Staff with expertise or training in benefit/cost analysis	Yes	Village Engineer
Professionals trained in conducting damage assessments	Yes	Village Engineer
Personnel skilled or trained in GIS and/or Hazards United States (HAZUS) – Multi-Hazards (MH) applications	No	-
Environmental scientist familiar with natural hazards	No	-
Surveyor(s)	No	-
Emergency Manager	No	-
Grant writer(s)	No	-
Resilience Officer	No	-
Other (this could include stormwater engineer, environmental specialist, etc.)	No	-

### Fiscal Capability

Table 9.8-5 summarizes financial resources available to Hillburn.

**Table 9.8-5. Fiscal Capabilities**

Financial Resources	Accessible or Eligible to Use? (Yes/No)
Community development Block Grants (CDBG, CDBG-DR)	No
Capital improvements project funding	Yes – Hillburn Village Board
Authority to levy taxes for specific purposes	Yes – Hillburn Village Board
User fees for water, sewer, gas or electric service	Yes – Hillburn Village Board
Impact fees for homebuyers or developers of new development/homes	No

Financial Resources	Accessible or Eligible to Use? (Yes/No)
Stormwater utility fee	No
Incur debt through general obligation bonds	Yes – Hillburn Village Board
Incur debt through special tax bonds	No
Incur debt through private activity bonds	No
Withhold public expenditures in hazard-prone areas	No
Other federal or state Funding Programs	Yes – Hillburn Village Board; Consolidated Local Street and Highway Improvement Program (CHIPs) through NYSDOT
Open Space Acquisition funding programs	No
Other (for example, Clean Water Act 319 Grants [Nonpoint Source Pollution])	No

### Education and Outreach Capability

Table 9.8-6 summarizes the education and outreach resources available to Hillburn.

**Table 9.8-6. Education and Outreach Capabilities**

Outreach Resources	Available? (Yes/No)	Comment:
Public information officer or communications office	No	-
Personnel skilled or trained in website development	Yes	Contracted
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	No	-
Warning systems for hazard events	Yes	The County utilizes NY-Alert and CodeRed (the backup to NY-Alert) for emergency notifications (all Towns and Villages have access to it).
Natural disaster/safety programs in place for schools	No	-
Organizations that conduct outreach to socially vulnerable populations and underserved populations		
Public outreach mechanisms / programs to inform citizens on natural hazards, risk, and ways to protect themselves during such events	No	-
If yes, please describe.	-	-

### Community Classifications

Table 9.8-7 summarizes classifications for community programs available to Hillburn.

**Table 9.8-7. Community Classifications**

Program	Participating? (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	Class 4	March 3, 2011
New York State Department of Environmental Conservation (NYSDEC) Climate Smart Community	No	-	-
National Weather Service Storm Ready Certification	No	-	-

Program	Participating? (Yes/No)	Classification (if applicable)	Date Classified (if applicable)
Firewise Communities classification	No	-	-
Other: Organizations with mitigation focus (advocacy group, non-government)	No	-	-

N/A = Not applicable  
 — = 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, 2022). Each jurisdiction has a unique combination of capabilities to adjust to, protect from, and withstand a future hazard event, future conditions, and changing risk. Table 9.8-8 summarizes the adaptive capacity for each identified hazard of concern and the Village’s capability to address related actions using the following classifications:

- Strong: Capacity exists and is in use.
- Moderate: Capacity might exist; but is not used or could use some improvement.
- Weak: Capacity does not exist or could use substantial improvement.

**Table 9.8-8. Adaptive Capacity**

Hazard	Adaptive Capacity - Strong/Moderate/Weak
Dam Failure	Moderate
Disease Outbreak	Moderate
Drought	Moderate
Earthquake	Moderate
Extreme Temperature	Moderate
Flood	Moderate
Landslide	Weak
Severe Weather	Moderate
Severe Winter Weather	Moderate
Wildfire	Moderate

### 9.8.4 National Flood Insurance Program Compliance

This section provides specific information on the management and regulation of the regulatory floodplain, including current and future compliance with the National Flood Insurance Program (NFIP). The floodplain administrator listed in Table 9.8-1 is responsible for maintaining this information.

#### NFIP Summary

Table 9.8-9 summarizes the NFIP statistics for Hillburn.

**Table 9.8-9. Hillburn NFIP Summary of Policy and Claim Statistics**

# Policies	3
# Claims (Losses)	33

# Policies	3
Total Loss Payments	\$1,222,574
# Repetitive Loss Properties (NFIP definition)	0
# Repetitive Loss Properties (FMA definition)	2
# Severe Repetitive Loss Properties	1
# Policies Within the 1 percent Annual Chance Flood Boundary	1

*NFIP Definition of Repetitive Loss: The NFIP defines a repetitive loss property as any insurable building for which two or more claims of more than \$1,000 were paid by the NFIP within any rolling 10-year period since 1978.*

*FMA Definition of Repetitive Loss: FEMA’s Flood Mitigation Assistance (FMA) program defines a repetitive loss property as any insurable building that has incurred flood-related damage on two occasions, in which the cost of the repair, on average, equaled or exceeded 25 percent of the market value of the structure at the time of each such flood event.*

*Definition of Severe Repetitive Loss: A residential property covered under an NFIP flood insurance policy and: (a) That has at least four NFIP claim payments over \$5,000 each, and the cumulative amount of such claims payments exceeds \$20,000; or (b) For which at least two separate claims payments have been made with the cumulative amount of the building portion of such claims exceeding the market value of the building. At least two of the claims must have occurred within any 10-year period, more than 10 days apart.*

Source: FEMA, December 2023

Note: RL count may include properties also identified as SRL.

### Flood Vulnerability Summary

Table 9.8-10 provides a summary of the NFIP program in Hillburn.

**Table 9.8-10. NFIP Summary**

NFIP Topic	Comments
<b>Flood Vulnerability Summary</b>	
Describe areas prone to flooding in your jurisdiction.	The Village refers to the Flood Map to determine if a property is in the Floodplain.
Do you maintain a list of properties that have been damaged by flooding?	A list is not maintained.
Do you maintain a list of property owners interested in flood mitigation?	No
How many homeowners and/or business owners are interested in mitigation (elevation or acquisition)?	
Are any RiskMAP projects currently underway in your jurisdiction? • If so, state what projects are underway.	No
How do you make Substantial Damage determinations?	Building Department review.
How many Substantial Damage determinations were declared for recent flood events in your jurisdiction?	None
How many properties have been mitigated (elevation or acquisition) in your jurisdiction? • If there are mitigation properties, how were the projects funded?	None declared recently
Do your flood hazard maps adequately address the flood risk within your jurisdiction? • If not, state why.	Unknown at this time
<b>NFIP Compliance</b>	
What local department is responsible for floodplain management?	Village Engineer

NFIP Topic	Comments
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?	No
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>	No
Provide an explanation of NFIP administration services you provide (e.g., permit review, GIS, education/outreach, inspections, engineering capability)	N/A
How do you determine if proposed development on an existing structure would qualify as a substantial improvement?	Review of application by the respective authority (i.e. Building Inspector, Village Engineer, Planning Board, etc.)
What are the barriers to running an effective NFIP program in the community, if any?	N/A
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>	No
When was the most recent Community Assistance Visit (CAV) or Community Assistance Contact (CAC)?	June 27, 2019
What is the local law number or municipal code of your flood damage prevention ordinance?	Hillburn Village Code Chapter 130
What is the date that your flood damage prevention ordinance was last amended?	2014
Does your floodplain management program meet or exceed minimum requirements? <ul style="list-style-type: none"> <li>If exceeds, in what ways?</li> </ul>	Meets
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 reduce flood risk when reviewing variances such as height restrictions?	N/A
Does your community plan to join the CRS program or is your community interested in improving your CRS classification?	No

### 9.8.5 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 appreciating a jurisdiction’s overall risk to its hazards of concern. Recent and expected future development trends, including major residential/commercial development and major infrastructure development, are summarized in Table 9.8-11 through Table 9.8-13.

**Table 9.8-11. Number of Building Permits for New Construction Issued Since the Previous HMP**

	New Construction Permits Issued			Total
	Single Family	Multi-Family	Other (commercial, mixed-use, etc.)	
<b>2018</b>				
Total Permits	N/A – The Village does not issue building permits.			
Permits within SFHA				

	New Construction Permits Issued			Total
	Single Family	Multi-Family	Other (commercial, mixed-use, etc.)	
<b>2019</b>				
Total Permits	N/A – The Village does not issue building permits.			
Permits within SFHA	N/A – The Village does not issue building permits.			
<b>2020</b>				
Total Permits	N/A – The Village does not issue building permits.			
Permits within SFHA	N/A – The Village does not issue building permits.			
<b>2021</b>				
Total Permits	N/A – The Village does not issue building permits.			
Permits within SFHA	N/A – The Village does not issue building permits.			
<b>2022</b>				
Total Permits	N/A – The Village does not issue building permits.			
Permits within SFHA	N/A – The Village does not issue building permits.			

SFHA = Special Flood Hazard Area (1 percent flood event)

**Table 9.8-12. Recent Major Development and Infrastructure from 2018 to Present**

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
No major development and infrastructure reported.					

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

**Table 9.8-13. Known or Anticipated Major Development and Infrastructure in the Next Five Years**

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
6th St. Culvert	Culvert	N/A	6th St.	N/A	Out to Bid

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

### 9.8.6 Jurisdictional Risk Assessment

The hazard profiles in Volume I provide detailed information regarding each planning partner’s vulnerability to the identified hazards, including summaries of the Village of Hillburn risk assessment results and data used to determine the hazard ranking. Key local risk assessment information is presented below.

#### Hazard Area

Hazard area maps provided below illustrate the probable hazard areas impacted within the Village are shown in Figure 9.8-1 through Figure 9.8-2. 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 are provided only for hazards that can be identified clearly using mapping techniques and technologies and for which Hillburn has significant exposure. The maps show the location of potential new development, where available.

Figure 9.8-1. Village of Hillburn Flood and Dam Inundation Hazard Area Extent and Location

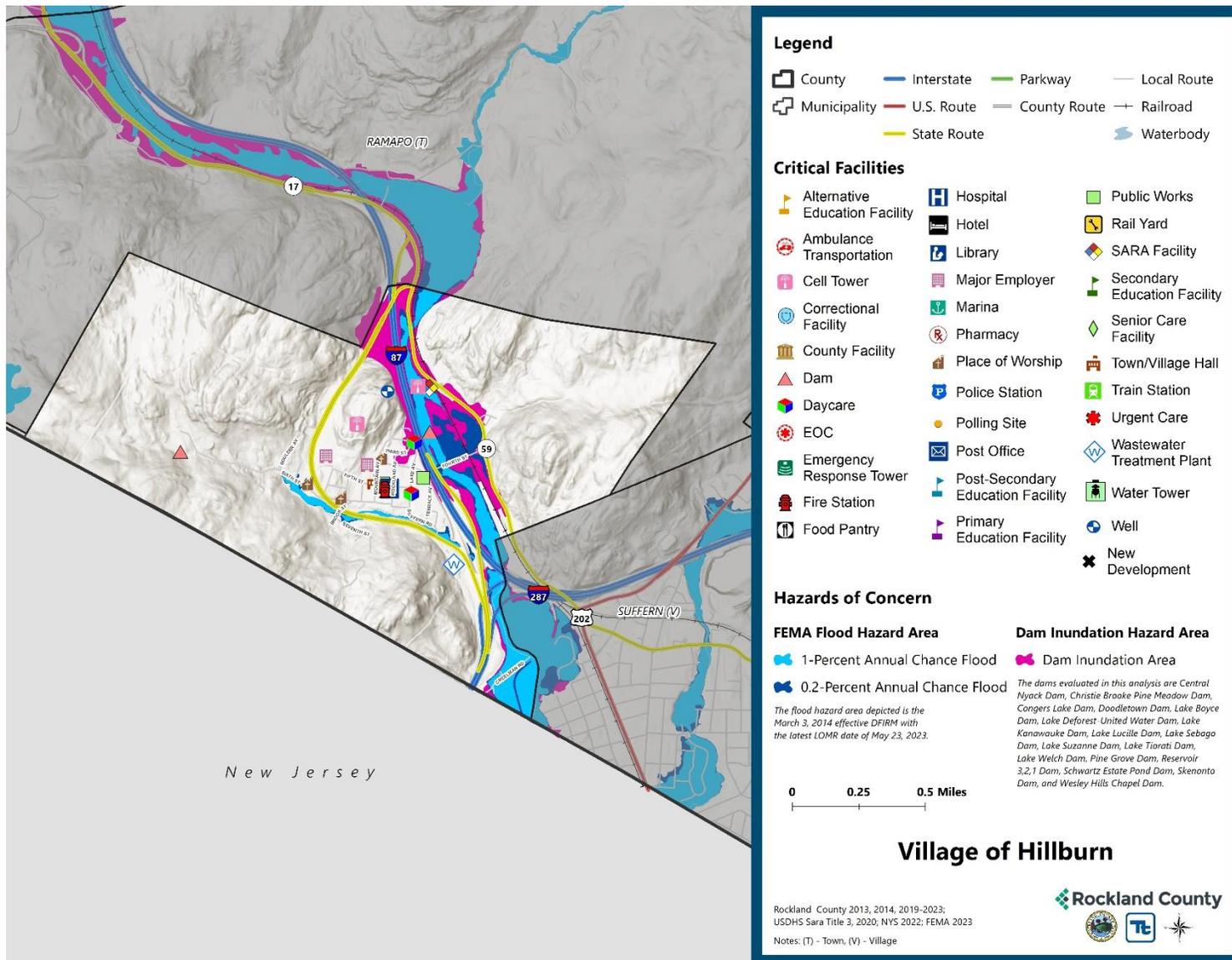
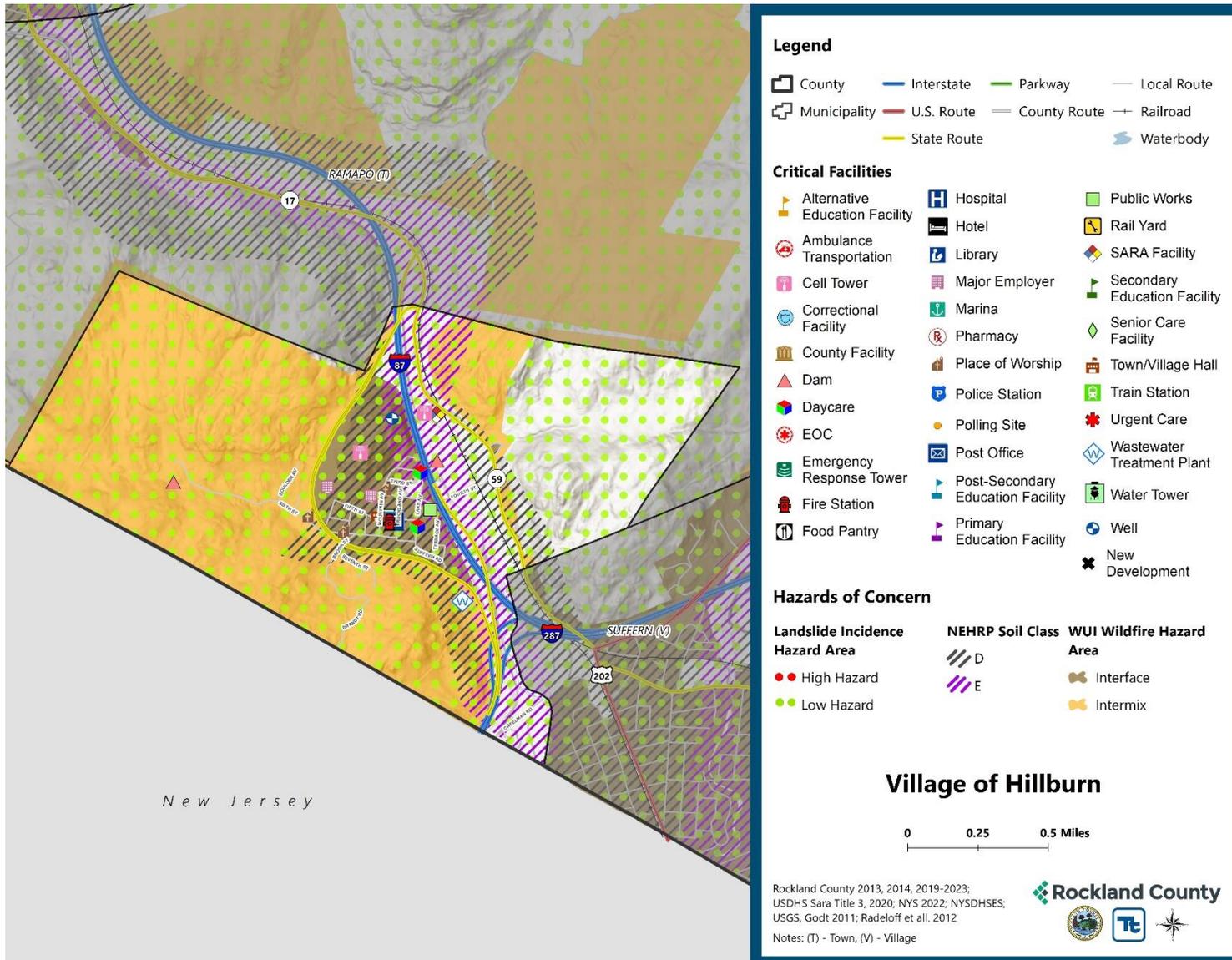


Figure 9.8-2. Village of Hillburn Landslide, Earthquake, and Wildfire Hazard Area Extent and Location



### Hazard Event History

The history of natural and non-natural hazard events in the Village of Hillburn is detailed in Volume I, where each hazard profile includes a chronology of historical events that have affected the County and its municipalities. Table 9.8-14 provides details on loss and damage in the Village during hazard events since the last hazard mitigation plan update.

**Table 9.8-14. Hazard Event History in the Village of Hillburn**

Dates of Event	Event Type (Disaster Declaration if applicable)	County Designated?	Summary of Event	Summary of Damage and Losses in the Village
January 20, 2020 - May 11, 2023	New York Covid-19 (3434-EM-NY, 4480-DR-NY)	Yes	The Covid-19 pandemic resulted in nationwide shutdowns, social distancing and masking requirements, and immunization efforts. Since the start of the pandemic, roughly 950 deaths have been reported in Rockland County. The federal Public Health Emergency expired in May 2023 but illness continues to occur as the virus shifts to becoming endemic.	-
April 13, 2020	High Winds	No	High winds across the county led to downed trees, power outages, closed roads,	\$200,000 in property damage
August 4, 2020	New York Tropical Storm Isaias (4567-DR-NY)	Yes	The center of Isaias passed about 65 miles west of New York City at 3 pm on August 4, 2020. Tropical storm force winds extended well east of the center of circulation. In addition, 1 to 3 inches of rainfall, highest west, were recorded across the county. These types of winds and rainfall across the area resulted in numerous trees and tree limbs being downed, power outages, damages to homes and automobiles, and disruption to transit.	-
August 21-24, 2021	New York Hurricane Henri (3565-EM-NY)	Yes	Rainfall from Tropical Storm Henri resulted in widespread flash flooding across southeastern New York, particularly portions of the Lower Hudson Valley. Rainfall totals generally ranged from 2-5 inches, with this rain coming in addition to the 2-5 inches that fell during the predecessor rainfall event the night before.	-

Dates of Event	Event Type (Disaster Declaration if applicable)	County Designated?	Summary of Event	Summary of Damage and Losses in the Village
September 1-3, 2021	New York Remnants of Hurricane Ida (3572-EM-NY, 4615-DR-NY)	Yes	Extremely heavy rainfall associated with the remnants of Hurricane Ida overspread southeast New York during the evening of September 1 and continued through the early morning hours of September 2. Rainfall totals ranged from 5-8 inches across much of the region, with much of that rain falling in just a few hours. This resulted in widespread catastrophic flash flooding.	6 <sup>th</sup> Street Culvert affected
July 9-10, 2023	Severe Storm, Flooding	No	Severe storms and flooding resulted in road closures, including portions of the Palisades Interstate Parkway, throughout Rockland County.	-

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 Volume I have detailed information regarding each planning partner’s vulnerability to the identified hazards. The following summarizes presents key risk assessment results for the Village of Hillburn.

#### Hazard Ranking

The participating jurisdictions have differing degrees of vulnerability to the hazards of concern, so each jurisdiction ranked its own degree of risk to each hazard. The community-specific hazard ranking is based on problems and impacts identified by the risk assessment presented in Volume I. The ranking process involves an assessment of the likelihood of occurrence for each hazard; the potential impacts of the hazard on people, property, and the economy; community capabilities to address the hazard; and changing future climate conditions. Hillburn reviewed the County hazard ranking and individual results to assess the relative risk of the hazards of concern to the community. During the review of the hazard ranking, the Village indicated the following:

- The Village has no history of earthquake events and revised the hazard ranking to Low.
- The Village has steep slopes and revised the hazard ranking for Landslides to Medium.
- The Village agreed with the Wildfire hazard ranking and noted that the Village is adjacent to larger forested areas.

Table 9.8-15 shows Hillburn’s final hazard rankings for identified hazards of concern. Mitigation action development uses the ranking to target hazards with the highest risk.

**Table 9.8-15. Hazard Ranking**

Hazard	Rank
Dam Failure	Low
Disease Outbreak	Medium
Drought	Medium
Earthquake	Low
Extreme Temperature	Medium
Flood	Medium
Landslide	Medium
Severe Weather	High
Severe Winter Weather	High
Wildfire	Medium

Note: The scale is based on the hazard rankings established in Volume I, modified as appropriate based on review by the jurisdiction

**Critical Facilities**

Table 9.8-16 identifies critical facilities in the community located in the 1-percent and 0.2-percent annual chance floodplains.

**Table 9.8-16. Critical Facilities Flood Vulnerability**

Name	Type	Exposure		Addressed by Proposed Action	Already Protected to 0.2 percent Flood Level (describe protections)
		1 percent Event	0.2 percent Event		
Hillburn Dam	Dam	Yes	Yes	2024-HillburnV-07	No
Verizon Wir 128	Cell Tower	Yes	Yes	2024-HillburnV-07	No

Source: Rockland County 2023, FEMA

In addition to critical facilities that are exposed to flooding, there are no high hazard dams located in or that could impact Hillburn.

**Identified Issues**

After review of the Village of Hillburn’s hazard event history, hazard rankings, hazard location, and current capabilities, the Village of Hillburn identified the following vulnerabilities within their community:

- The Village works with various agencies, associations, and the public to implement monitoring and warning systems, however, lacks an automated notification system for Village residents to increase awareness of hazard events and related impacts such as dam/levee failure, disease outbreak, droughts, earthquakes, extreme temperatures, floods, landslides, severe storms, severe winter storms, and wildfire.
- The culvert on Brook Street is undersized and is leading to flooding from and influx of severe storms.
- There are properties in the Village that experience repetitive flood damage from severe storm events. Flood-vulnerable properties place an undue stress on the property owner and the Village.
- The Village has identified many roadways, specifically County owned roads, that repeatedly flood due to an increase in precipitation from severe storms and severe winter storms.

- Village residents are not aware of hazards that they are exposed to and what can be done to further protect themselves and their properties from damages. The hazards that the Village is at risk for include dam/levee failure, disease outbreak, drought, earthquake, extreme temperature, flood, landslide, severe storm, severe winter storm, and wildfire.
- The Village's floodplain management and ordinance enforcement staff are not Certified Floodplain Managers and flooding is becoming more common and frequent from severe storms and severe winter storms.
- There are multiple critical facilities in the floodplain in the Village that are impacted by floods and severe storms, including the St. Lawrence Center, O&R Hillburn Substation, Hillburn Dam and a cellular tower owned by Verizon. The Village has jurisdiction over the Hillburn Dam, but the rest of these facilities are privately owned.
- The Fourth Street pump station is located in the floodplain and is vulnerable to flooding from severe storm events.

### 9.8.7 Mitigation Strategy and Prioritization

This section discusses past mitigations actions and status, describes proposed hazard mitigation initiatives, and prioritizes actions to address over the next five years.

#### Past Mitigation Initiative Status

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Table 9.8-17 indicates progress on the Village's mitigation strategy identified in the 2019 HMP. Actions that are still recommended but not completed or that are in progress are carried forward and combined with new actions as part of the mitigation strategy for this plan update. Previous actions that are now ongoing programs and capabilities are indicated as such and are presented in the capability assessment earlier in this annex.

#### Additional Mitigation Efforts

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The Village did not identify additional mitigation efforts completed other than the mitigation initiatives completed in Table 9.8-17.

**Table 9.8-17. Status of Previous Mitigation Actions**

Project Number	Project Name	Hazard(s) Addressed	Responsible Party	Brief Summary of the Original Problem and the Solution (Project)	Action Review 1. Status (In Progress, Ongoing Capability, No Progress, Complete) 2. Provide a narrative to describe progress or obstacles that have prevented implementation	Next Steps 1. Project to be included in the 2024 HMP or Discontinue 2. If including action in the 2024 HMP, revise/reword to be more specific (as appropriate). 3. If discontinue, explain why.
Hillburn-1	Community Rating System (CRS)	Flood	Village	The Village is not in the CRS program.  Consider joining the Community Rating System (CRS).	1. Complete 2. Determined to have no significant community interest or benefit.	1. Discontinue 2. N/A 3. The Village has opted to not join CRS due to limited community interest and benefit.
Hillburn-2	Automated Notification System	All Hazards	Village	Currently, there is no automated notification system for village residents.  Automated telephone notification system for Village residents.	1. No progress 2. N/A	1. Include 2. N/A 3. N/A
Hillburn-3	Culvert Upgrades	Flood, Severe Storm	Village	The culvert on Brook Street is undersized and contributes to flooding issues.  Upgrade and replace the culvert on Brook Street to increase its capacity.	1. No progress 2. N/A	1. Include 2. N/A 3. N/A
Hillburn-4	Public Workshops	All Hazards	Village	Current zoning and planning issues need to incorporate natural hazards and hazard mitigation.  Hold periodic workshops regarding zoning and planning issues that arise regarding natural hazards and hazard mitigation.	1. Ongoing Capability 2. N/A	1. Discontinue 2. N/A 3. The Village can host these workshops on an as-needed basis.

Project Number	Project Name	Hazard(s) Addressed	Responsible Party	Brief Summary of the Original Problem and the Solution (Project)	Action Review 1. Status (In Progress, Ongoing Capability, No Progress, Complete) 2. Provide a narrative to describe progress or obstacles that have prevented implementation	Next Steps 1. Project to be included in the 2024 HMP or Discontinue 2. If including action in the 2024 HMP, revise/reword to be more specific (as appropriate). 3. If discontinue, explain why.
Hillburn-5	Floodplain Management Best Practices	Flood	Village	Best management practices need to stay up to date to ensure properties are protected in the floodplain areas  Continue to implement best management practices for floodplain areas.	1. Ongoing Capability 2. N/A	1. Discontinue 2. N/A 3. The Village can update or revise their practices on an as-needed basis if changes to their vulnerabilities arise.
Hillburn-6	Identify and document flooded properties	Flood	Village	Flood-vulnerable properties place an undue stress on the property owner and village and efforts should be made to mitigate them.  Identify and document flooded properties. Work with owners to explore mitigation opportunities for flooded properties, and if appropriate and feasible, carry out acquisition, relocation, elevation and floodproofing measures to protect these properties.	1. Ongoing Capability 2. N/A	1. Include 2. N/A 3. N/A
Hillburn-7	Flood-prone Roadways	Severe Storm, Flood	Village Trustee	Flood prone roads can inhibit emergency response and evacuation during a flood.  Develop specific mitigation solutions for flood prone road systems (roads, bridges, intersections, drainage, etc.) under the leadership of County DPW.	1. No Progress 2. N/A	1. Include 2. Identify specific roadways that may be suited for a project. 3. N/A

Project Number	Project Name	Hazard(s) Addressed	Responsible Party	Brief Summary of the Original Problem and the Solution (Project)	Action Review 1. Status (In Progress, Ongoing Capability, No Progress, Complete) 2. Provide a narrative to describe progress or obstacles that have prevented implementation	Next Steps 1. Project to be included in the 2024 HMP or Discontinue 2. If including action in the 2024 HMP, revise/reword to be more specific (as appropriate). 3. If discontinue, explain why.
Hillburn-8	Critical Facilities Protection	All Hazards	Village Trustee	<p>Some facilities were built before code updates; therefore, they may be more susceptible to damage from a hazard event.</p> <p>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 natural hazards and pursue potential mitigation opportunities to protect these sites as funding becomes available.</p>	<p>1. No Progress 2. N/A</p>	<p>1. Discontinue 2. N/A 3. This capability is leveraged on an as-needed basis when considering grant funding.</p>
Hillburn-9	Village Warning System	All Hazards	Rockland County, Village	<p>Need to work with various agencies, associations, and general public to implement monitoring and warning systems in the Village.</p> <p>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.</p>	<p>1. No Progress 2. N/A</p>	<p>1. Discontinue 2. Consolidate with old action (Hillburn-2) into single action (2024-HillburnV-01). 3. N/A</p>

Project Number	Project Name	Hazard(s) Addressed	Responsible Party	Brief Summary of the Original Problem and the Solution (Project)	Action Review 1. Status (In Progress, Ongoing Capability, No Progress, Complete) 2. Provide a narrative to describe progress or obstacles that have prevented implementation	Next Steps 1. Project to be included in the 2024 HMP or Discontinue 2. If including action in the 2024 HMP, revise/reword to be more specific (as appropriate). 3. If discontinue, explain why.
Hillburn-10	Public Awareness Program	All Hazards	Village	Need to keep public awareness programs up to date.  Continue to develop and enhance the Village's public awareness program on hazards, prevention, and mitigation.	1. Ongoing Capability 2. N/A	1. Include 2. N/A 3. N/A
Hillburn-11	Certified Floodplain Manager	Flood	Village	Floodplain management and ordinance enforcement staff are not Certified Floodplain Managers.  Require staff involved in floodplain management and ordinance enforcement to become Certified Floodplain Managers (CFMs).	1. In Progress 2. N/A	1. Include 2. N/A 3. N/A
Hillburn-12	Critical Facilities Located in the Floodplain	Flood	Private Property Owners and Village support	The St. Lawrence Center and O&R Hillburn Substation are located in the floodplain.  The St. Lawrence Center and O&R Hillburn Substation are located in the floodplain. The Village does not have jurisdiction over these facilities. The Village will work with the Town and County to notify the owners of their flood vulnerability identified during the Rockland County HMP update and NYS' requirement to protect to the 500-year flood or worst-case scenario.	1. In Progress 2. N/A	1. Include 2. N/A 3. N/A

Project Number	Project Name	Hazard(s) Addressed	Responsible Party	Brief Summary of the Original Problem and the Solution (Project)	Action Review 1. Status (In Progress, Ongoing Capability, No Progress, Complete) 2. Provide a narrative to describe progress or obstacles that have prevented implementation	Next Steps 1. Project to be included in the 2024 HMP or Discontinue 2. If including action in the 2024 HMP, revise/reword to be more specific (as appropriate). 3. If discontinue, explain why.
Hillburn-13	Fourth Street Pump Flood Mitigation	Severe Storm, Flood	Village of Hillburn	<p>Fourth Street pump station is located in the floodplain and vulnerable to flooding.</p> <p>Protect the Fourth Street pump station by installing appropriate physical protective measures to mitigate flood future losses. The owner will determine the most cost-effective and feasible mitigation option on mitigating and assure that any mitigation addresses the 500-year flood event or "worst damage scenario". Mitigation options may include dry floodproofing, elevate infrastructure or relocate outside the floodplain.</p>	<p>1. No Progress 2. N/A</p>	<p>1. Include 2. N/A 3. N/A</p>

## Proposed Hazard Mitigation Initiatives for the HMP Update

Hillburn participated in the mitigation strategy workshop for this HMP to identify appropriate actions to include in a local hazard mitigation strategy. Its comprehensive consideration of all possible activities to address hazards of concern included review of the following FEMA documents:

- FEMA 551 “Selecting Appropriate Mitigation Measures for Floodprone Structures” (March 2007)
- FEMA “Mitigation Ideas—A Resource for Reducing Risk to Natural Hazards” (January 2013).

The action worksheets included at the end of this annex list the mitigation actions that Hillburn would like to pursue in the future to reduce the effects of hazards. The actions 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 the Village’s priorities.

Table 9.8-18 indicates the range of proposed mitigation action categories. The four FEMA mitigation action categories and the six CRS mitigation action categories are listed in the table to further demonstrate the wide range of activities and mitigation measures selected.

Volume I identifies 14 evaluation criteria for prioritizing the mitigation actions. To assist with rating each mitigation action as high, medium, or low priority, a numeric rank is assigned (-1, 0, or 1) for each of the evaluation criteria. Table 2-19 provides a summary of the prioritization of all proposed mitigation actions for the HMP update.

**Table 9.8-18. Analysis of Mitigation Actions by Hazard and Category**

Hazard	FEMA				CRS					
	LPR	SIP	NSP	EAP	PR	PP	PI	NR	SP	ES
Dam Failure	-	-	-	2	-	-	2	-	-	1
Disease Outbreak	-	-	-	2	-	-	2	-	-	1
Drought	-	-	-	2	-	-	2	-	-	1
Earthquake	-	-	-	2	-	-	2	-	-	1
Extreme Temperature	-	-	-	2	-	-	2	-	-	1
Flood	3	3	-	2	3	3	4	-	1	1
Landslide	-	-	-	2	-	-	2	-	-	1
Severe Weather	3	3	-	2	3	3	4	-	1	1
Severe Winter Weather	2	-	-	2	2	1	2	-	-	1
Wildfire	-	-	-	2	-	-	2	-	-	1

*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 structures to reduce the impact of hazards.

*Natural Systems Protection (NSP)*—These are actions that minimize damage and losses and 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

*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 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 9.8-19. Summary of Prioritization of Actions**

Project Number	Project Name	Life Safety	Property Protection	Cost-Effectiveness	Political	Legal	Fiscal	Environmental	Social Vulnerability	Administrative	Hazards of Concern	Climate Change	Timeline	Community Lifelines	Other Community Objectives	Total	High / Medium / Low
2024-HillburnV-01	Automated Notification System	1	1	1	0	0	0	0	1	1	1	0	0	1	1	8	Medium
2024-HillburnV-02	Brook Street Culvert Upgrade	1	1	1	0	0	0	0	1	1	1	1	0	1	1	9	Medium
2024-HillburnV-03	Document Flood-prone Properties	1	1	1	0	1	1	0	1	1	1	0	0	1	0	9	Medium
2024-HillburnV-04	Flood-prone Roadway Mitigation Solutions	1	1	1	0	0	0	1	1	1	1	1	0	1	0	9	Medium
2024-HillburnV-05	Public Awareness and Outreach	1	1	1	0	1	1	0	1	1	1	0	1	1	1	12	High
2024-HillburnV-06	Certified Floodplain Manager Training	1	1	1	0	0	0	0	1	1	1	1	1	1	1	10	Medium
2024-HillburnV-07	Critical Facilities in the Floodplain	1	1	1	0	1	0	0	0	1	0	1	1	0	0	7	Medium
2024-HillburnV-07	Fourth Street Pump Station Improvements	1	1	1	0	1	0	0	0	1	0	1	0	1	0	7	Medium

Note: Volume I, Section 6 (Mitigation Strategy) conveys guidance on prioritizing mitigation actions. Low (0-6), Medium (7-10), High (11-14).

**Action 2024-HillburnV-01. Automated Notification System**

<b>Action Name:</b>	2024-HillburnV-01. Automated Notification System		
<b>Description of the Problem:</b>	The Village works with various agencies, associations, and the public to implement monitoring and warning systems, however, lacks an automated notification system for Village residents to increase awareness of hazard events and related impacts such as dam/levee failure, disease outbreak, droughts, earthquakes, extreme temperatures, floods, landslides, severe storms, severe winter storms, and wildfire		
<b>Hazard(s) of Concern:</b> <i>Check all that apply</i>	<input checked="" type="checkbox"/> Dam/Levee Failure <input checked="" type="checkbox"/> Disease Outbreak <input checked="" type="checkbox"/> Drought <input checked="" type="checkbox"/> Earthquake <input checked="" type="checkbox"/> Extreme Temperature	<input checked="" type="checkbox"/> Flood <input checked="" type="checkbox"/> Landslide <input checked="" type="checkbox"/> Severe Storm <input checked="" type="checkbox"/> Severe Winter Storm <input checked="" type="checkbox"/> Wildfire	
<b>Description of the Solution:</b>	The Village will 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. The Village will also consider procuring an automated telephone notification system for Village residents.		
<b>Lead Agency:</b>	Village		
<b>Supporting Agencies:</b>	Rockland County Office of Emergency Services		
<b>Estimated Cost:</b>	Medium (\$10,000 to \$100,000)		
<b>Potential Funding Sources:</b>	State, Local		
<b>Implementation Timeline:</b>	Short-term (<5 years)		
<b>Goals Met:</b>	1, 2, 3, 4, 5, 6, 7		
<b>Benefits:</b>	High (> \$100,000)		
<b>Mitigation Action Type:</b> <i>Check all that apply</i>	<input type="checkbox"/> Local Plans and Regulations (LPR) <input type="checkbox"/> Structure and Infrastructure Project (SIP)	<input type="checkbox"/> Natural Systems Protection (NSP) <input checked="" type="checkbox"/> Education and Awareness Programs (EAP)	
<b>CRS Category:</b> <i>Check all that apply</i>	<input type="checkbox"/> Preventative Measures (PR) <input type="checkbox"/> Property Protection (PP) <input checked="" type="checkbox"/> Public Information (PI)	<input type="checkbox"/> Natural Resource Protection (NR) <input type="checkbox"/> Structural Flood Control Projects (SP) <input checked="" type="checkbox"/> Emergency Services (ES)	
<b>Impact on Socially Vulnerable Populations:</b>	This system could make it easier for populations with limited internet access or technical capabilities to become aware of potential hazard events or warnings.		
<b>Impact on Critical Facilities/Lifelines:</b>	This project could notify residents resources available to them and/or advise them to stay off roads during hazard events, reducing congestion for emergency vehicles.		
<b>Impact on Capabilities</b>	This project would improve the Village’s capabilities to prepare and respond to emergencies.		
<b>Impact on Future Development:</b>	N/A		
<b>Climate Change Considerations:</b>	Climate change is leading to an increase in frequency and intensity of precipitation events, which leads to an increase in flooding.		
<b>Priority:</b> <i>Check one</i>	<input type="checkbox"/> High	<input checked="" type="checkbox"/> Medium	<input type="checkbox"/> Low

Alternatives	Action	Evaluation
	No action	Current problem persists
	Automated email system	Not all residents have email or check it regularly

**Action 2024-HillburnV-02. Brook Street Culvert Upgrade**

<b>Action Name:</b>	2024-HillburnV-02. Brook Street Culvert Upgrade		
<b>Description of the Problem:</b>	The culvert on Brook Street is undersized and is leading to flooding from and influx of severe storms.		
<b>Hazard(s) of Concern:</b> <i>Check all that apply</i>	<input type="checkbox"/> Dam/Levee Failure <input type="checkbox"/> Disease Outbreak <input type="checkbox"/> Drought <input type="checkbox"/> Earthquake <input type="checkbox"/> Extreme Temperature	<input checked="" type="checkbox"/> Flood <input type="checkbox"/> Landslide <input checked="" type="checkbox"/> Severe Storm <input type="checkbox"/> Severe Winter Storm <input type="checkbox"/> Wildfire	
<b>Description of the Solution:</b>	The Village will conduct a study to upgrade and replace the culvert to increase its capacity and reduce overflows.		
<b>Lead Agency:</b>	Village Engineer		
<b>Supporting Agencies:</b>	Highway/Public Works Department		
<b>Estimated Cost:</b>	High (> \$100,000)		
<b>Potential Funding Sources:</b>	State, Local, FEMA HMA, FMA, BRIC		
<b>Implementation Timeline:</b>	Short-term (<5 years)		
<b>Goals Met:</b>	1, 2, 4		
<b>Benefits:</b>	High (> \$100,000)		
<b>Mitigation Action Type:</b> <i>Check all that apply</i>	<input type="checkbox"/> Local Plans and Regulations (LPR) <input checked="" type="checkbox"/> Structure and Infrastructure Project (SIP)	<input type="checkbox"/> Natural Systems Protection (NSP) <input type="checkbox"/> Education and Awareness Programs (EAP)	
<b>CRS Category:</b> <i>Check all that apply</i>	<input type="checkbox"/> Preventative Measures (PR) <input type="checkbox"/> Property Protection (PP) <input type="checkbox"/> Public Information (PI)	<input type="checkbox"/> Natural Resource Protection (NR) <input checked="" type="checkbox"/> Structural Flood Control Projects (SP) <input type="checkbox"/> Emergency Services (ES)	
<b>Impact on Socially Vulnerable Populations:</b>	This project may reduce potential flood impacts in the surrounding roads and properties.		
<b>Impact on Critical Facilities/Lifelines:</b>	This project could help ensure roadways remain clear or at least passable during flood events.		
<b>Impact on Capabilities</b>	This project will mitigate the Village’s need to respond if Brook Street closes during a hazard event.		
<b>Impact on Future Development:</b>	This project will reduce flood impacts to future development in the surrounding area.		
<b>Climate Change Considerations:</b>	This project may increase the culvert’s capacity to withstand more intense precipitation events.		
<b>Priority:</b> <i>Check one</i>	<input type="checkbox"/> High	<input checked="" type="checkbox"/> Medium	<input type="checkbox"/> Low

Alternatives	Action	Evaluation
	No action	Current problem persists
	Remove culvert	Not feasible
	Relocate Brook Street	Not cost-effective

**Action 2024-HillburnV-03. Document Flood-prone Properties**

<b>Action Name:</b>	2024-HillburnV-03. Document Flood-prone Properties	
<b>Description of the Problem:</b>	There are properties in the Village that experience repetitive flood damage from severe storm events. Flood-vulnerable properties place an undue stress on the property owner and the Village.	
<b>Hazard(s) of Concern:</b> <i>Check all that apply</i>	<input type="checkbox"/> Dam/Levee Failure <input type="checkbox"/> Disease Outbreak <input type="checkbox"/> Drought <input type="checkbox"/> Earthquake <input type="checkbox"/> Extreme Temperature	<input checked="" type="checkbox"/> Flood <input type="checkbox"/> Landslide <input checked="" type="checkbox"/> Severe Storm <input type="checkbox"/> Severe Winter Storm <input type="checkbox"/> Wildfire
<b>Description of the Solution:</b>	The Village will work with owners located in and around the floodplain to explore mitigation opportunities for repetitively flooded properties, and if appropriate and feasible, carry out acquisition, relocation, elevation, and flood proofing measures to protect these properties.	
<b>Lead Agency:</b>	Village Engineer, Private Property Owners	
<b>Supporting Agencies:</b>	Village of Hillburn, Building Department	
<b>Estimated Cost:</b>	Low (< \$10,000)	
<b>Potential Funding Sources:</b>	FEMA (HMGP, FMA, PDM), CDBG, NYS DHSES, Municipal Budget	
<b>Implementation Timeline:</b>	Short-term (<5 years)	
<b>Goals Met:</b>	1, 2, 3, 5	
<b>Benefits:</b>	This action will reduce the amount of flood prone properties and will increase outreach amongst the Village.	
<b>Mitigation Action Type:</b> <i>Check all that apply</i>	<input checked="" type="checkbox"/> Local Plans and Regulations (LPR) <input type="checkbox"/> Structure and Infrastructure Project (SIP)	<input type="checkbox"/> Natural Systems Protection (NSP) <input type="checkbox"/> Education and Awareness Programs (EAP)
<b>CRS Category:</b> <i>Check all that apply</i>	<input checked="" type="checkbox"/> Preventative Measures (PR) <input type="checkbox"/> Property Protection (PP) <input type="checkbox"/> Public Information (PI)	<input type="checkbox"/> Natural Resource Protection (NR) <input type="checkbox"/> Structural Flood Control Projects (SP) <input type="checkbox"/> Emergency Services (ES)
<b>Impact on Socially Vulnerable Populations:</b>	This project could make it easier for the County and Village to reach homeowners with vulnerable properties.	
<b>Impact on Critical Facilities/Lifelines:</b>	N/A	
<b>Impact on Capabilities</b>	Data will help village and county design future mitigation actions and outreach to vulnerable residents.	
<b>Impact on Future Development:</b>	This project could help reduce potential impact of flooding on nearby future development.	

<b>Climate Change Considerations:</b>	This project could help identify potential areas or properties for potential buyouts or floodplain restoration projects.		
<b>Priority:</b> <i>Check one</i>	<input checked="" type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low
<b>Alternatives</b>	<b>Action</b>		<b>Evaluation</b>
	No action		Current problem persists
	Identify repetitive loss areas		Not action-driven and does not reduce or eliminate vulnerability

**Action 2024-HillburnV-04. Flood-prone Roadway Mitigation Solutions**

<b>Action Name:</b>	2024-HillburnV-04. Flood-prone Roadway Mitigation Solutions	
<b>Description of the Problem:</b>	The Village has identified many roadways, specifically County owned roads, that repeatedly flood due to an increase in precipitation from severe storms and severe winter storms.	
<b>Hazard(s) of Concern:</b> <i>Check all that apply</i>	<input type="checkbox"/> Dam/Levee Failure <input type="checkbox"/> Disease Outbreak <input type="checkbox"/> Drought <input type="checkbox"/> Earthquake <input type="checkbox"/> Extreme Temperature	<input checked="" type="checkbox"/> Flood <input type="checkbox"/> Landslide <input checked="" type="checkbox"/> Severe Storm <input checked="" type="checkbox"/> Severe Winter Storm <input type="checkbox"/> Wildfire
<b>Description of the Solution:</b>	The Village will develop specific mitigation solutions for flood-prone road systems (roads, bridges, intersections, drainage, etc.) under the leadership of County DPW.	
<b>Lead Agency:</b>	Village Mayor, Village Engineer	
<b>Supporting Agencies:</b>	Highway/Public Works Department, County Department of Public Works	
<b>Estimated Cost:</b>	Low (< \$10,000)	
<b>Potential Funding Sources:</b>	Local, State	
<b>Implementation Timeline:</b>	Short-term (< 5 years)	
<b>Goals Met:</b>	1, 2, 5, 7	
<b>Benefits:</b>	This action allows for a reduction in flood events in the Village	
<b>Mitigation Action Type:</b> <i>Check all that apply</i>	<input checked="" type="checkbox"/> Local Plans and Regulations (LPR) <input type="checkbox"/> Structure and Infrastructure Project (SIP)	<input type="checkbox"/> Natural Systems Protection (NSP) <input type="checkbox"/> Education and Awareness Programs (EAP)
<b>CRS Category:</b> <i>Check all that apply</i>	<input checked="" type="checkbox"/> Preventative Measures (PR) <input checked="" type="checkbox"/> Property Protection (PP) <input type="checkbox"/> Public Information (PI)	<input type="checkbox"/> Natural Resource Protection (NR) <input type="checkbox"/> Structural Flood Control Projects (SP) <input type="checkbox"/> Emergency Services (ES)
<b>Impact on Socially Vulnerable Populations:</b>	N/A	
<b>Impact on Critical Facilities/Lifelines:</b>	This project aims to ensure the accessibility of roadways during flooding events and ensures access to emergency routes and critical facilities.	
<b>Impact on Capabilities</b>	This action strengthens the Village’s capability to work with the County and improve roadways.	
<b>Impact on Future Development:</b>	This project can help mitigate potential damage along any affected roadways.	

<b>Climate Change Considerations:</b>	Climate change is leading to an increase in frequency and intensity of precipitation events, which leads to an increase in flooding.		
<b>Priority:</b> <i>Check one</i>	<input checked="" type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low
<b>Alternatives</b>	<b>Action</b>		<b>Evaluation</b>
	No action		Current problem persists
	Raise or relocate roadways		Not action-driven and does not reduce or eliminate vulnerability

**Action 2024-HillburnV-05. Public Awareness and Outreach**

<b>Action Name:</b>	2024-HillburnV-05. Public Awareness and Outreach		
<b>Description of the Problem:</b>	Village residents are not aware of hazards that they are exposed to and what can be done to further protect themselves and their properties from damages. The hazards that the Village is at risk for include dam/levee failure, disease outbreak, drought, earthquake, extreme temperature, flood, landslide, severe storm, severe winter storm, and wildfire.		
<b>Hazard(s) of Concern:</b> <i>Check all that apply</i>	<input checked="" type="checkbox"/> Dam/Levee Failure <input checked="" type="checkbox"/> Disease Outbreak <input checked="" type="checkbox"/> Drought <input checked="" type="checkbox"/> Earthquake <input checked="" type="checkbox"/> Extreme Temperature	<input checked="" type="checkbox"/> Flood <input checked="" type="checkbox"/> Landslide <input checked="" type="checkbox"/> Severe Storm <input checked="" type="checkbox"/> Severe Winter Storm <input checked="" type="checkbox"/> Wildfire	
<b>Description of the Solution:</b>	The Village will improve public awareness on hazards, prevention, and mitigation through increased outreach, including but not limited to 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.; and incorporating as much free information as possible from the FEMA publications warehouse and other appropriate sources on the Village website.		
<b>Lead Agency:</b>	Village Mayor		
<b>Supporting Agencies:</b>	Rockland County Office of Emergency Services		
<b>Estimated Cost:</b>	Low (< \$10,000)		
<b>Potential Funding Sources:</b>	Operating Budget		
<b>Implementation Timeline:</b>	Short-term (< 5 years)		
<b>Goals Met:</b>	3		
<b>Benefits:</b>	This action aims to educate Village residents.		
<b>Mitigation Action Type:</b> <i>Check all that apply</i>	<input type="checkbox"/> Local Plans and Regulations (LPR) <input type="checkbox"/> Structure and Infrastructure Project (SIP)	<input type="checkbox"/> Natural Systems Protection (NSP) <input checked="" type="checkbox"/> Education and Awareness Programs (EAP)	
<b>CRS Category:</b> <i>Check all that apply</i>	<input type="checkbox"/> Preventative Measures (PR) <input type="checkbox"/> Property Protection (PP) <input checked="" type="checkbox"/> Public Information (PI)	<input type="checkbox"/> Natural Resource Protection (NR) <input type="checkbox"/> Structural Flood Control Projects (SP) <input type="checkbox"/> Emergency Services (ES)	
<b>Impact on Socially Vulnerable Populations:</b>	This initiative aims to reach populations that are low-income, do not speak English, and have limited internet access or technical capabilities.		

Impact on Critical Facilities/Lifelines:	N/A		
Impact on Capabilities	This action strengthens the Village education and outreach capabilities.		
Impact on Future Development:	N/A		
Climate Change Considerations:	Climate change is leading to an increase in frequency and intensity of precipitation events.		
Priority: <i>Check one</i>	<input checked="" type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low
Alternatives	<b>Action</b>		<b>Evaluation</b>
	No action		Current problem persists
	Update website without linking to other resources		Would not reach those with limited internet or technology; not preferred

**Action 2024-HillburnV-06. Certified Floodplain Manager Training**

Action Name:	2024-HillburnV-06. Certified Floodplain Manager Training		
Description of the Problem:	The Village’s floodplain management and ordinance enforcement staff are not Certified Floodplain Managers and flooding is becoming more common and frequent from severe storms and severe winter storms.		
Hazard(s) of Concern: <i>Check all that apply</i>	<input type="checkbox"/> Dam/Levee Failure <input type="checkbox"/> Disease Outbreak <input type="checkbox"/> Drought <input type="checkbox"/> Earthquake <input type="checkbox"/> Extreme Temperature	<input checked="" type="checkbox"/> Flood <input type="checkbox"/> Landslide <input checked="" type="checkbox"/> Severe Storm <input checked="" type="checkbox"/> Severe Winter Storm <input type="checkbox"/> Wildfire	
Description of the Solution:	The Village will require staff involved in floodplain management and ordinance enforcement to become Certified Floodplain Managers. The Village will add/train sufficient members of their staff to adequately enforce NFIP regulations/floodplain management ordinances		
Lead Agency:	Village		
Supporting Agencies:	Building Department		
Estimated Cost:	Low (< \$10,000)		
Potential Funding Sources:	Operating Budget		
Implementation Timeline:	Short-term (< 5 years)		
Goals Met:	1, 2, 3, 7		
Benefits:	This action strengthens the Village’s ability to enforce floodplain management practices.		
Mitigation Action Type: <i>Check all that apply</i>	<input checked="" type="checkbox"/> Local Plans and Regulations (LPR) <input type="checkbox"/> Structure and Infrastructure Project (SIP)	<input type="checkbox"/> Natural Systems Protection (NSP) <input type="checkbox"/> Education and Awareness Programs (EAP)	
CRS Category: <i>Check all that apply</i>	<input checked="" type="checkbox"/> Preventative Measures (PR) <input type="checkbox"/> Property Protection (PP) <input type="checkbox"/> Public Information (PI)	<input type="checkbox"/> Natural Resource Protection (NR) <input type="checkbox"/> Structural Flood Control Projects (SP) <input type="checkbox"/> Emergency Services (ES)	

<b>Impact on Socially Vulnerable Populations:</b>	N/A		
<b>Impact on Critical Facilities/Lifelines:</b>	This action will familiarize the Village staff with updated floodplain management practices which may benefit critical facilities and infrastructure that could be impacted by flooding.		
<b>Impact on Capabilities</b>	This action will provide the Village with stronger capabilities to enforce and update its floodplain management regulations.		
<b>Impact on Future Development:</b>	N/A		
<b>Climate Change Considerations:</b>	Climate change is leading to an increase in frequency and intensity of precipitation events, which leads to an increase in flooding.		
<b>Priority: Check one</b>	<input checked="" type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low
<b>Alternatives</b>	<b>Action</b>		<b>Evaluation</b>
	No action		Current problem persists
	Have staff attend courses, but not become CFMs		Lack of recognition or continuing education requirements to ensure the Village's floodplain management follows best practices

**Action 2024-HillburnV-07. Critical Facilities in the Floodplain**

<b>Action Name:</b>	2024-HillburnV-07. Critical Facilities in the Floodplain		
<b>Description of the Problem:</b>	There are multiple critical facilities in the floodplain in the Village that are impacted by floods and severe storms, including the St. Lawrence Center, O&R Hillburn Substation, Hillburn Dam and a cellular tower owned by Verizon. The Village has jurisdiction over the Hillburn Dam, but the rest of these facilities are privately owned.		
<b>Hazard(s) of Concern: Check all that apply</b>	<input type="checkbox"/> Dam/Levee Failure <input type="checkbox"/> Disease Outbreak <input type="checkbox"/> Drought <input type="checkbox"/> Earthquake <input type="checkbox"/> Extreme Temperature	<input checked="" type="checkbox"/> Flood <input type="checkbox"/> Landslide <input checked="" type="checkbox"/> Severe Storm <input type="checkbox"/> Severe Winter Storm <input type="checkbox"/> Wildfire	
<b>Description of the Solution:</b>	The Village will notify the private owners regarding these critical facilities' flood vulnerability identified during the Rockland County HMP update and NYS' requirement to protect to the 500-year flood or worst-case scenario. The Village will provide the owners information regarding grant options for funding to implement their mitigation. Potential feasible projects may include the following. The private owners will need to determine the most cost effective and feasible mitigation action for these facilities. The Village evaluate the potential impacts to municipal-owner assets to determine if additional mitigation initiatives are required to protect property and life.		
<b>Lead Agency:</b>	Village Mayor, Property Owners		
<b>Supporting Agencies:</b>	Village Engineer, Building Department		
<b>Estimated Cost:</b>	Low (< \$10,000)		
<b>Potential Funding Sources:</b>	FEMA HMA, FMA, BRIC. Municipal operating budget		
<b>Implementation Timeline:</b>	Short-term (< 5 years)		

<b>Goals Met:</b>	1, 2, 4, 6		
<b>Benefits:</b>	The Village will experience less flooding at critical facilities.		
<b>Mitigation Action Type:</b> <i>Check all that apply</i>	<input type="checkbox"/> Local Plans and Regulations (LPR) <input checked="" type="checkbox"/> Structure and Infrastructure Project (SIP)	<input type="checkbox"/> Natural Systems Protection (NSP) <input type="checkbox"/> Education and Awareness Programs (EAP)	
<b>CRS Category:</b> <i>Check all that apply</i>	<input type="checkbox"/> Preventative Measures (PR) <input checked="" type="checkbox"/> Property Protection (PP) <input type="checkbox"/> Public Information (PI)	<input type="checkbox"/> Natural Resource Protection (NR) <input type="checkbox"/> Structural Flood Control Projects (SP) <input type="checkbox"/> Emergency Services (ES)	
<b>Impact on Socially Vulnerable Populations:</b>	N/A		
<b>Impact on Critical Facilities/Lifelines:</b>	This project aims to ensure the functionality of critical infrastructure during hazard events.		
<b>Impact on Capabilities</b>	This action strengthens the Village’s capabilities in protecting critical infrastructure		
<b>Impact on Future Development:</b>	This project may reduce impacts to future development in the surrounding area if activities are undertaken that ensure the facility’s operability during a hazard event.		
<b>Climate Change Considerations:</b>	Climate change is leading to an increase in frequency and intensity of precipitation events, which leads to an increase in flooding.		
<b>Priority:</b> <i>Check one</i>	<input type="checkbox"/> High	<input checked="" type="checkbox"/> Medium	<input type="checkbox"/> Low
<b>Alternatives</b>	<b>Action</b>		<b>Evaluation</b>
	No action		Current problem persists

***Action 2024-HillburnV-08. Fourth Street Pump Station Improvements***

<b>Action Name:</b>	2024-HillburnV-08. Fourth Street Pump Station Improvements		
<b>Description of the Problem:</b>	The Fourth Street pump station is located in the floodplain and is vulnerable to flooding from severe storm events..		
<b>Hazard(s) of Concern:</b> <i>Check all that apply</i>	<input type="checkbox"/> Dam/Levee Failure <input type="checkbox"/> Disease Outbreak <input type="checkbox"/> Drought <input type="checkbox"/> Earthquake <input type="checkbox"/> Extreme Temperature	<input checked="" type="checkbox"/> Flood <input type="checkbox"/> Landslide <input checked="" type="checkbox"/> Severe Storm <input type="checkbox"/> Severe Winter Storm <input type="checkbox"/> Wildfire	
<b>Description of the Solution:</b>	The Village will protect the Fourth Street pump station by installing appropriate physical protective measures to mitigate flood future losses. The owner will determine the most cost-effective and feasible mitigation option on mitigating and assure that any mitigation addresses the 500-year flood event or "worst damage scenario". Mitigation options may include dry floodproofing, elevate infrastructure or relocate outside the floodplain.		
<b>Lead Agency:</b>	Village Engineer, Public Works/Highway Department		
<b>Supporting Agencies:</b>	Village Board		
<b>Estimated Cost:</b>	Low (< \$10,000)		
<b>Potential Funding Sources:</b>	FEMA HMA, FMA, BRIC. Municipal operating budget		
<b>Implementation Timeline:</b>	Short-term (< 5 years)		
<b>Goals Met:</b>	1, 2, 4, 6		
<b>Benefits:</b>	The pump station will be better protected by flood waters.		

<b>Mitigation Action Type:</b> <i>Check all that apply</i>	<input type="checkbox"/> Local Plans and Regulations (LPR) <input checked="" type="checkbox"/> Structure and Infrastructure Project (SIP)	<input type="checkbox"/> Natural Systems Protection (NSP) <input type="checkbox"/> Education and Awareness Programs (EAP)
<b>CRS Category:</b> <i>Check all that apply</i>	<input type="checkbox"/> Preventative Measures (PR) <input checked="" type="checkbox"/> Property Protection (PP) <input type="checkbox"/> Public Information (PI)	<input type="checkbox"/> Natural Resource Protection (NR) <input type="checkbox"/> Structural Flood Control Projects (SP) <input type="checkbox"/> Emergency Services (ES)
<b>Impact on Socially Vulnerable Populations:</b>	N/A	
<b>Impact on Critical Facilities/Lifelines:</b>	This project aims to ensure the functionality of critical infrastructure during hazard events.	
<b>Impact on Capabilities</b>	This action improves the Village’s capability to protect critical facilities.	
<b>Impact on Future Development:</b>	This project may reduce impacts to future development in the surrounding area if activities are undertaken that ensure the facility’s operability during a hazard event.	
<b>Climate Change Considerations:</b>	Climate change is leading to an increase in frequency and intensity of precipitation events, which leads to an increase in flooding.	
<b>Priority:</b> <i>Check one</i>	<input type="checkbox"/> High	<input checked="" type="checkbox"/> Medium <input type="checkbox"/> Low
<b>Alternatives</b>	<b>Action</b>	<b>Evaluation</b>
	No action	Current problem persists
	Relocate pump station	No feasible
	Dry floodproofing	Not preferred
	Elevate structure	Structure remains in floodplain