



13. VILLAGE OF RUSHVILLE

This jurisdictional annex to the Yates County Hazard Mitigation Plan (HMP) provides information to assist public and private sectors in the Village of Rushville 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 Rushville, describes who participated in the planning process, assesses Rushville's risk, vulnerability, and capabilities, and outlines a strategy for achieving a more resilient community.

13.1 HAZARD MITIGATION PLANNING TEAM

The Village of Rushville 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 PWS represented the community on the Yates County HMP Planning Partnership and supported the local planning process 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 13-1 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 13-1. Hazard Mitigation Planning Team

Primary Point of Contact	Alternate Point of Contact
Name/Title: Art Rilands, PWS Address: 1 South Main Street, PO Box 51, Rushville, NY 14544 Phone Number: 800-662-1220 Email: dpw@villageofrushville.com	Name/Title: Dave LeClair, Mayor Address: 1 South Main Street, PO Box 51, Rushville, NY 14544 Phone Number: 800-662-1220 Email: mayor@villageofrushville.com
National Flood Insurance Program Floodplain Administrator	
Name/Title: Tim Pagel, Code Enforcement Address: 1 South Main Street, PO Box 51, Rushville, NY 14544 Phone Number: 800-662-1220 Email: codeofficer@villageofrushville.com	
Additional Contributors	
Name/Title: Art Rilands, PWS Method of Participation: Provided key input in the planning process	



Primary Point of Contact	Alternate Point of Contact
Name/Title: Dave LeClair, Mayor Method of Participation: Provided key input in the planning process	
Name/Title: Tim Pagel, Code Enforcement Method of Participation: Provided key input in the planning process and attended meetings	

13.2 COMMUNITY PROFILE

The Village of Rushville is situated between both Yates and Ontario County and has a peak elevation of 876 feet. The Village of Rushville is located within the Town of Potter, in Yates County, and the Town of Gorham, in Ontario County, and surrounds the intersections of State Routes 245 and 247. According to the U.S. Census, the 2020 population for Rushville was 651.

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 2.6-percent of the population is 5 years of age or younger, 17.1-percent is 65 years of age or older, 0-percent is non-English speaking, 4.6-percent is below the poverty threshold, and 13.5-percent is considered disabled.

13.3 JURISDICTIONAL CAPABILITY ASSESSMENT AND INTEGRATION

Rushville 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 Rushville to identify opportunities for integrating mitigation concepts into ongoing Village procedures.

13.3.1 Planning and Regulatory Capability and Integration

Table 13-2 summarizes the planning and regulatory tools that are available to Rushville.

Table 13-2. Planning 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
CODES, ORDINANCES, & REGULATIONS				
Building Code	Yes	Local Law 1 of 2008	State and Local	Code Enforcement
<p>How has or will this be integrated with the HMP and how does this reduce risk?</p> <p>This local law provides for the administration and enforcement of the New York State Uniform Fire Prevention and Building Code (the Uniform Code) and the State Energy Conservation Construction Code (the Energy Code) in this Village. This local law is adopted pursuant to section 10 of the Municipal Home Rule Law. Except as otherwise provided in the Uniform Code, other state law, or other section of this (local law, all buildings, structures, and premises, regardless of use or occupancy, are subject to the provisions this local law.</p>				
Zoning/Land Use Code	Yes	Local Law 2 of 2011	Local	Village Board
<p>How has or will this be integrated with the HMP and how does this reduce risk?</p> <p>The Village Board enacts this Law for the purpose of promoting the public health, and safety of the Village of Rushville, and in furtherance of the following related and specific purposes:</p> <ul style="list-style-type: none"> a. To lessen congestion in the streets; to secure safety from various dangers; to prevent overcrowding of land; to conserve value of structures and land; to provide adequate water, streets, roads, parks; to regulate density of population, location and use of land and structures; to establish certain districts. b. To accomplish such purposes: to appoint a Zoning Board of Appeals, administrative offices and provide for the administration and enforcement of this Law under the appropriate State and Local Laws that it may enact from time to time. 				
Subdivision Code	Yes	Local Law 2 of 2011	Local	Planning Board
<p>How has or will this be integrated with the HMP and how does this reduce risk?</p> <p>The Village's current zoning law sets minimum lot size and looks at flood plain information to keep buildings from being built in flood plain areas or raise levels to BFE standards. Structures identified by FMP are to be elevated.</p>				
Site Plan Code	Yes	Local Law 2 of 2011	Local	Planning Board
<p>How has or will this be integrated with the HMP and how does this reduce risk?</p> <p>This local law looks at steep slopes and floodplains before issuing building permits.</p>				
Stormwater Management Code	No	-	-	-
<p>How has or will this be integrated with the HMP and how does this reduce risk?</p> <p>Not applicable</p>				



	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
Post-Disaster Recovery/ Reconstruction Code	No	-	-	-
How has or will this be integrated with the HMP and how does this reduce risk? Not applicable				
Real Estate Disclosure Requirements	Yes	Property Condition Disclosure Act, NY Code - Article 14 §460-467	State	NYS Department of State, Real Estate Agent
How has or will this be integrated with the HMP and how does this reduce risk? 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.				
Growth Management	No	-	-	-
How has or will this be integrated with the HMP and how does this reduce risk? Not applicable				
Environmental Protection Ordinance(s)	Yes	Local Law 2-2006	Local	Code Enforcement Officer
How has or will this be integrated with the HMP and how does this reduce risk? A person shall not kindle or maintain or authorize to be kindled or maintained any open burning, including but not limited to bonfires, recreational fires, burning of garbage and debris in any type of container, including outdoor fireplaces, in the open outdoors or inside from a contained burning appliance to protect the health, safety, and general welfare of the public.				
Flood Damage Prevention Ordinance	Yes	Local Law 2-1987	Local	Zoning Officer
How has or will this be integrated with the HMP and how does this reduce risk? The Objectives of this local law are: <ul style="list-style-type: none"> • To protect human life and health; • To minimize expenditure of public money for costly flood control projects; • To minimize the need for rescue and relief efforts associated with flooding and generally undertaken at the expense of the general public; • To minimize prolonged businesses interruptions; • To minimize damage to public facilities and utilities such as water and gas mains, electric, telephone, sewer lines, streets, and bridges located in areas of special flood hazard; • To help maintain a stable tax base by providing for the sound use and development of areas of special flood hazard so as to minimize future flood blight areas; • To provide that developers are notified that property is in an area of special flood hazards; and, • To ensure that those who occupy the areas of special flood hazard assume responsibility for there actions 				
Wellhead Protection	No	-	-	-
How has or will this be integrated with the HMP and how does this reduce risk? Not applicable				



	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
Emergency Management Ordinance	No	-	-	-
How has or will this be integrated with the HMP and how does this reduce risk? Not applicable				
Climate Change Ordinance	No	-	-	-
How has or will this be integrated with the HMP and how does this reduce risk? Not applicable				
Other	No	-	-	-
How has or will this be integrated with the HMP and how does this reduce risk? Not applicable				
PLANNING DOCUMENTS				
General/Comprehensive Plan	Yes	Comprehensive Plan, 2023	Local	Village Board
How has or will this be integrated with the HMP and how does this reduce risk? The Comprehensive Plan includes a future land-use map that identifies natural hazard areas. Land use policies discourage development and redevelopment within natural hazard areas.				
Capital Improvement Plan	Yes	Capital Improvement Plan, 2024	Local	Village Board
How has or will this be integrated with the HMP and how does this reduce risk? The capital improvement plan allows us to spend money where we get the most return in value for the municipality.				
Disaster Debris Management Plan	No	-	-	-
How has or will this be integrated with the HMP and how does this reduce risk? Not applicable				
Floodplain Management or Watershed Plan	Yes	Floodplain Management Plan, 2011	Local	Planning Board and Code Enforcement
How has or will this be integrated with the HMP and how does this reduce risk? New plan will be adopted when FEMA maps are adopted. The current plan allows to have reduced flood risk by having the structure above the BFE and the Village also requires erosion control methods be implemented in areas where necessary.				
Stormwater Management Plan	No	-	-	-
How has or will this be integrated with the HMP and how does this reduce risk? Not applicable				
Open Space Plan	No	-	-	-
How has or will this be integrated with the HMP and how does this reduce risk? Not applicable				
Urban Water Management Plan	No	-	-	-
How has or will this be integrated with the HMP and how does this reduce risk? Not applicable				



	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
Habitat Conservation Plan How has or will this be integrated with the HMP and how does this reduce risk? Not applicable	No	-	-	-
Economic Development Plan How has or will this be integrated with the HMP and how does this reduce risk? Not applicable	No	-	-	-
Community Wildfire Protection Plan How has or will this be integrated with the HMP and how does this reduce risk? Not applicable	No	-	-	-
Community Forest Management Plan How has or will this be integrated with the HMP and how does this reduce risk? Not applicable	No	-	-	-
Transportation Plan How has or will this be integrated with the HMP and how does this reduce risk? Not applicable	No	-	-	-
Agriculture Plan How has or will this be integrated with the HMP and how does this reduce risk? Not applicable	No	-	-	-
Climate Action/ Resilience/Sustainability Plan How has or will this be integrated with the HMP and how does this reduce risk? Not applicable	No	-	-	-
Tourism Plan How has or will this be integrated with the HMP and how does this reduce risk? Not applicable	No	-	-	-
Business/ Downtown Development Plan How has or will this be integrated with the HMP and how does this reduce risk? Not applicable	No	-	-	-
Other How has or will this be integrated with the HMP and how does this reduce risk? Not applicable	No	-	-	-
RESPONSE/RECOVERY PLANNING				
Emergency Operations Plan How has or will this be integrated with the HMP and how does this reduce risk? Not applicable	No	-	-	-



	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
Continuity of Operations Plan	No	-	-	-
How has or will this be integrated with the HMP and how does this reduce risk? Not applicable				
Substantial Damage Response Plan	No	-	-	-
How has or will this be integrated with the HMP and how does this reduce risk? Not applicable				
Threat and Hazard Identification and Risk Assessment	No	-	-	-
How has or will this be integrated with the HMP and how does this reduce risk? Not applicable				
Post-Disaster Recovery Plan	No	-	-	-
How has or will this be integrated with the HMP and how does this reduce risk? Not applicable				
Public Health Plan	No	-	-	-
How has or will this be integrated with the HMP and how does this reduce risk? Not applicable				
Other	No	-	-	-
How has or will this be integrated with the HMP and how does this reduce risk? Not applicable				

13.3.2 Development and Permitting Capability

Table 13-3 summarizes the capabilities of Rushville to oversee and track development.

Table 13-3. 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"> If you issue development permits, what department is responsible? If you do not issue development permits, what is your process for tracking new development? 	Yes	Code Enforcement
Are permits tracked by hazard area? (For example, floodplain development permits.)	No	Site plan review is done, and floodplain evaluation is performed as well.
Do you have a buildable land inventory? <ul style="list-style-type: none"> If you have a buildable land inventory, please describe 	No	-
Describe the level of buildout in your jurisdiction.	N/A	90%



13.3.3 Administrative and Technical Capability

Table 13-4 summarizes potential staff and personnel resources available to Rushville and their current responsibilities that contribute to hazard mitigation.

Table 13-4. Administrative and Technical Capabilities

Resources	Available? (Yes/No)	Comments (available staff, responsibilities, support of hazard mitigation)
ADMINISTRATIVE CAPABILITY		
Planning Board	Yes	The Rushville Village Planning Board consists of five (5) members who are Village residents and are appointed by the Board of Trustees. The members serve on the Planning Board voluntarily, each for a two-year term. They meet on an as needed basis at the Village Hall. Notices for all meetings are posted on this site, in the Village Office, and the bulletin board outside the Village Office. The Planning Board is responsible for a variety of duties including the review of special use permits, site plan approval, and zoning recommendations to the Board of Trustees. All members are required by NYS Law to attend 4 hours of creditable training on an annual basis. One member of the Planning Board acts as a crossover to the Zoning Board of Appeals so the two Boards may coordinate their efforts if necessary.
Zoning Board of Adjustment	Yes	The Zoning Board of Appeals consists of three (3) members who are Village residents, appointed by the Board of Trustees. The members of the ZBA serve voluntarily, each for a three-year term. The ZBA meets on an as needed basis to decide mostly upon applications submitted to the Code Enforcement Officer, that are seeking approval for either an area variance and use variance. Notices for all meetings are posted on this site, in the Village Office, and the bulletin board outside the Village Office. All members are required by NYS Law to attend 4 hours of creditable training on an annual basis. One member of the ZBA acts as a crossover to the Planning Board so the two Boards may coordinate their efforts if necessary.
Planning Department	Yes	The Village has a Planning Department to assist with development.
Mitigation Planning Committee	No	-
Environmental Board/Commission	No	-
Open Space Board/Committee	No	-
Economic Development Commission/Committee	No	-
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	Building permits are issued for a period of six months. If the project is not finished upon the expiration date, the permit can be renewed for 50% of the original permit fee.
Emergency Management/Public Safety Department	No	-
Maintenance programs to reduce risk (stormwater maintenance, tree trimming, etc.)	Yes	Water and Sewer
Mutual aid agreements	Yes	Through Counties and Local Municipalities
Human Resources Manual - Do any job descriptions specifically include identifying or implementing mitigation projects or other efforts to reduce natural hazard risk?	No	-
Other	No	-
TECHNICAL/STAFFING CAPABILITY		
Planners or engineers with knowledge of land development and land management practices	Yes	Contracted through MRB Engineering Group
Engineers or professionals trained in building or infrastructure construction practices	Yes	Contracted through MRB Engineering Group
Planners or engineers with an understanding of natural hazards	Yes	Contracted through MRB Engineering Group
Staff with expertise or training in benefit/cost analysis	Yes	Contracted through MRB Engineering Group
Professionals trained in conducting damage assessments	Yes	Code Enforcement
Personnel skilled or trained in GIS and/or Hazus applications	No	-
Staff that work with socially vulnerable populations or underserved communities	No	-
Environmental scientists familiar with natural hazards	No	-
Surveyors	No	-
Emergency manager	Yes	Mayor
Grant writers	Yes	Contract outside sources
Resilience Officer	No	-
Other (this could include stormwater engineer, environmental specialist, etc.)	Yes	Additional contracted services



13.3.4 Fiscal Capability

Table 13-5 summarizes financial resources available to Rushville.

Table 13-5. Fiscal Capabilities

Financial Resources	Accessible or Eligible to Use? (Yes/No)
Community Development Block Grants (CDBG, CDBG-DR)	No
Capital improvement 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	No
Stormwater utility fee	No
Incur debt through general obligation bonds	Yes
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
Open Space Acquisition funding programs	No
Other (for example, Clean Water Act 319 Grants [Nonpoint Source Pollution])	No

13.3.5 Education and Outreach Capability

Table 13-6 summarizes the education and outreach resources available to Rushville.

Table 13-6. Education and Outreach Capabilities

Outreach Resources	Available? (Yes/No)	Comment
Public information officer or communications office	No	-
Personnel skilled or trained in website development	No	-
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	No	-
Natural disaster/safety programs in place for schools	No	-
Organizations that conduct outreach to socially vulnerable populations and underserved populations	No	-



Outreach Resources	Available? (Yes/No)	Comment
Public outreach mechanisms / programs to inform citizens on natural hazards, risk, and ways to protect themselves during such events	Yes	The Village uses a door-to-door method as well as notices that are posted on a bulletin board.

13.3.6 Community Classifications

Table 13-7 summarizes classifications for community programs available to Rushville.

Table 13-7. Community Classifications

Program	Participating? (Yes/No)	Classification	Date Classified
Community Rating System (CRS)	No	-	-
Building Code Effectiveness Grading Schedule (BCEGS)	No	-	-
Public Protection (ISO Fire Protection Classes 1 to 10)	No	-	-
National Weather Service StormReady Certification	No	-	-
Firewise Communities classification	No	-	-
New York State Department of Environmental Conservation (NYSDEC) Climate Smart Community	No	-	-
Other: Organizations with mitigation focus (advocacy group, non-government)	No	-	-

N/A = Not applicable

— = Unavailable

13.3.7 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 13-8 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 13-8. Adaptive Capacity

Hazard	Adaptive Capacity - Strong/Moderate/Weak
Dam Failure	Moderate



Hazard	Adaptive Capacity - Strong/Moderate/Weak
Disease Outbreak	Moderate
Drought	Moderate
Extreme Temperatures	Moderate
Flood	Moderate
Harmful Algal Bloom	Moderate
Hazardous Materials	Strong
Landslide	Moderate
Severe Storm	Moderate
Severe Winter Storm	Moderate
Transportation Accidents	Moderate
Utility Failure	Moderate

13.4 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 13-1 is responsible for maintaining this information.

13.4.1 NFIP Statistics

Table 13-9 summarizes the NFIP policy and claim statistics for Rushville.

Table 13-9. Rushville NFIP Summary of Policy and Claim Statistics

# Policies	1
# Claims (Losses)	5
Total Loss Payments	\$4,258
# Repetitive Loss Properties (NFIP definition) ^a	0
# Repetitive Loss Properties (FMA definition) ^b	0
# Severe Repetitive Loss Properties ^c	0

- a. *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.*
- b. *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.*



- c. *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 2024

Note: Statistics current as of April 2024

13.4.2 Flood Vulnerability Summary

Table 13-10 provides a summary of the NFIP program in Rushville.

Table 13-10. NFIP Summary

NFIP Topic	Comments
Flood Vulnerability Summary	
Describe areas prone to flooding in your jurisdiction.	Areas along the creek that runs through Rushville
Do you maintain a list of properties that have been damaged by flooding?	No list is maintained
Do you maintain a list of property owners interested in flood mitigation?	No list is maintained
How many homeowners and/or business owners are interested in mitigation (elevation or acquisition)?	No one has come forward requesting information
Are any RiskMAP projects currently underway in your jurisdiction? If so, state what projects are underway.	Yes, FEMA maps are being updated
How do you make Substantial Damage determinations?	Code Enforcement makes Substantial Damage Determinations
How many Substantial Damage determinations were declared for recent flood events in your jurisdiction?	None have been declared in the Village
How many properties have been mitigated (elevation or acquisition) in your jurisdiction? If there are mitigation properties, how were the projects funded?	None have been mitigated
Do your flood hazard maps adequately address the flood risk within your jurisdiction? If not, state why.	Once the new maps are adopted, they will address the flood risk
NFIP Compliance	
What local department is responsible for floodplain management?	Code Enforcement Office
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



NFIP Topic	Comments
Does your floodplain management staff need any assistance or training to support its floodplain management program? If so, what type of assistance/training is needed?	No assistance or training is needed at this time
Provide an explanation of NFIP administration services you provide (e.g., permit review, GIS, education/outreach, inspections, engineering capability)	Permit reviews by the Planning Board and Code Enforcement Officer
How do you determine if proposed development on an existing structure would qualify as a substantial improvement?	Review scope of work to be done
What are the barriers to running an effective NFIP program in the community, if any?	No barriers
Does your jurisdiction have any outstanding NFIP compliance violations that need to be addressed? If so, state the violations.	No
When was the most recent Community Assistance Visit (CAV) or Community Assistance Contact (CAC)?	None
What is the local law number or municipal code of your flood damage prevention ordinance?	Local Law 2-1987
What is the date that your flood damage prevention ordinance was last amended?	1987
Does your floodplain management program meet or exceed minimum requirements? If exceeds, in what ways?	Will exceed when FEMA maps are adopted
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?	Site plan review and recommendations from Site Plan Engineer
Does your community plan to join the CRS program or is your community interested in improving your CRS classification?	No

13.5 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 13-11 through Table 13-13.

**Table 13-11. Number of Building Permits for New Construction Issued Since the Previous HMP**

	New Construction Permits Issued			
	Single Family	Multi-Family	Other (commercial, mixed-use, etc.)	Total
2019				
Total Permits	17	0	0	0
Permits within SFHA	0	0	0	0
2020				
Total Permits	0	0	0	30
Permits within SFHA	0	0	0	0
2021				
Total Permits	1	0	0	29
Permits within SFHA	0	0	0	0
2022				
Total Permits	0	0	0	25
Permits within SFHA	0	0	0	0
2023				
Total Permits	0	0	0	14
Permits within SFHA	0	0	0	0

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

Table 13-12. 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 Zones*	Description / Status of Development
None Identified					

* Only location-specific hazard zones or vulnerabilities identified.

Table 13-13. 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 Zones*	Description / Status of Development
None Identified					



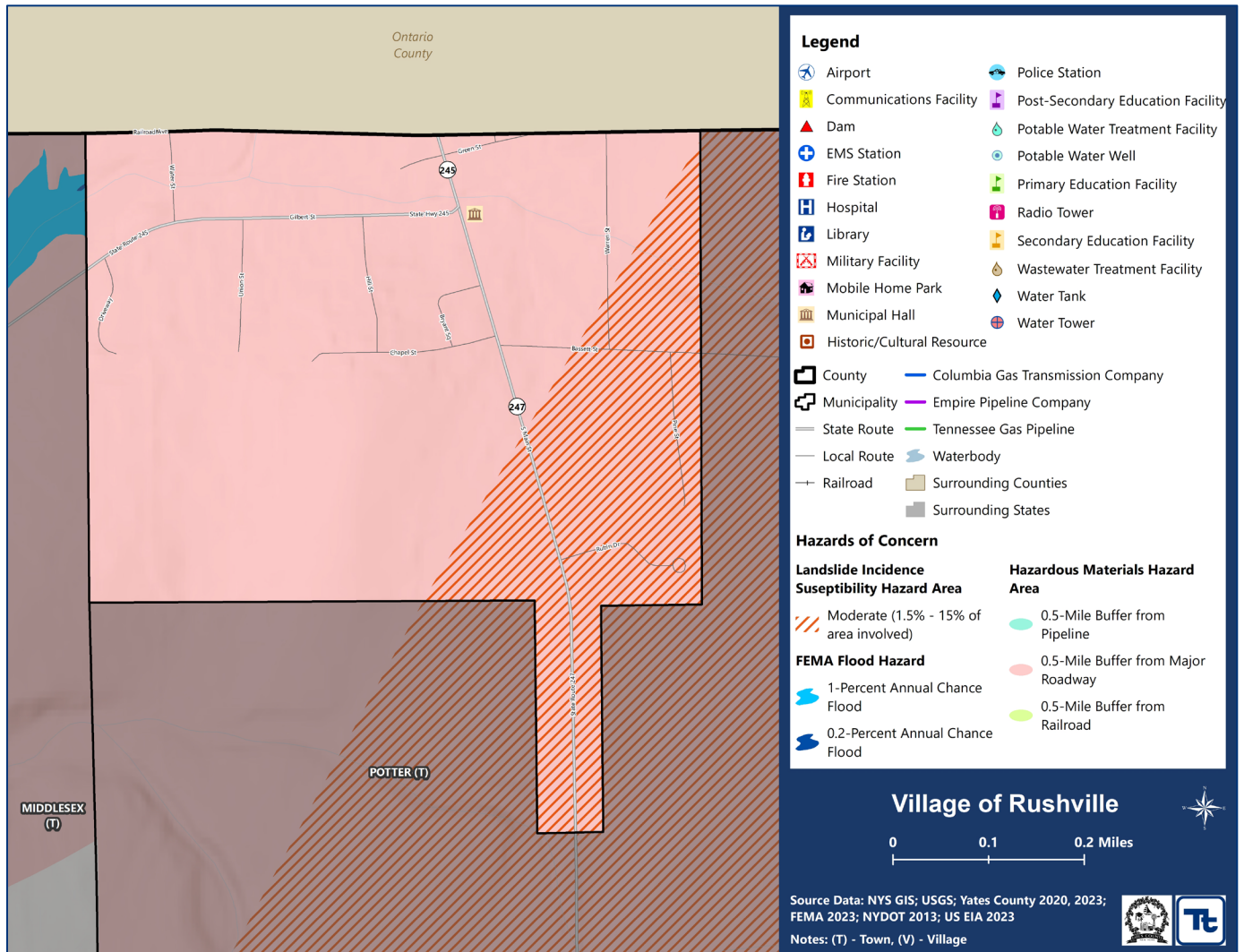
13.6 JURISDICTIONAL RISK ASSESSMENT

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

13.6.1 Hazard Area

The hazard area map shown in Figure 13-1 illustrates the probable hazard areas impacted within the Town. This map is based on the best available data at the time of the preparation of this plan and is adequate for planning purposes. Maps are provided only for hazards that can be identified clearly using mapping techniques and technologies and for which Rushville has significant exposure. The maps show the location of potential new development, where available.

Figure 13-1. Rushville Hazard Area Extent and Location Map



Note: The shown flood hazard area is limited to the FEMA-defined flood hazard areas. Areas of localized flooding are not reflected in the above Figure.

13.6.2 Hazard Event History

The history of natural and non-natural hazard events in Rushville is detailed in Volume I, where each hazard profile includes a chronology of historical events that have affected the County and its municipalities. Table 13-14 provides details on loss and damage in Rushville during hazard events since the last hazard mitigation plan update.

Table 13-14. Hazard Event History in Rushville

Dates of Event	Event Type (Disaster Declaration)	County Designated?	Summary of Event	Summary of Damage and Losses in Rushville
January 20, 2020 – May 11, 2023	Disease Outbreak (EM-3434), (DR-4480)	Yes	As of July 9, 2023, the New York Department of Health has reported 4,543 reported cases and 45 reported deaths in Yates County.	The Village experienced closures due to following social distance guidelines.

EM = Emergency Declaration (FEMA)

FEMA = Federal Emergency Management Agency

DR = Major Disaster Declaration (FEMA)

N/A = Not applicable

13.6.3 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 presents key risk assessment results for Rushville.

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. Rushville 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 agreed with all the hazard rankings.

Table 13-15 shows Rushville's final hazard rankings for identified hazards of concern. Mitigation action development uses the ranking to target hazards with the highest risk.

**Table 13-15. Hazard Ranking**

Hazard	Rank
Dam Failure	Low
Disease Outbreak	Medium
Drought	Medium
Extreme Temperatures	Medium
Flood	Low
Harmful Algal Bloom	Low
Hazardous Materials	Low
Landslide	Medium
Severe Storm	Medium
Severe Winter Storm	Medium
Transportation Accidents	Low
Utility Failure	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 13-16 identifies critical facilities in the community located in the 1 percent and 0.2 percent annual chance floodplains.

Table 13-16. Critical Facilities Flood Vulnerability

Name	Type	Vulnerability		Addressed by Proposed Action	Already Protected to 0.2% Flood Level (describe protections)
		1% Annual Chance Event	0.2% Annual Chance Event		
The Village has no identified critical facilities in the floodplain					

Source: Yates County 2023

13.6.4 Identified Issues

After review of Rushville's hazard event history, hazard rankings, hazard location, and current capabilities, Rushville identified the following vulnerabilities within the community:

- The municipality does not have a Substantial Damage Management Plan in place, nor do they have a formal process in place when conducting substantial damage determinations which can be a result of dam failure, flood, landslides, severe weather, severe winter weather,



transportation accidents and utility failure. The municipality is in need of a formal process and plan to provide a framework for conducting such inspections and determinations.

- The Village does not have any organizations that conduct outreach and education to socially vulnerable populations and underserved populations relating to dam failure, disease outbreak, drought, extreme temperature, flood, harmful algal blooms, hazardous materials, landslides, severe weather, severe winter weather, transportation accidents, and utility failure, which are the County's identified hazards of concern.
- The Village suffers from limited staffing capabilities due to the size of the Village.
- The Village Hall does not have backup power to perform continuity of operations when the power is out. The Village Hall also cannot be used as a temporary emergency shelter or PPE distribution center for socially vulnerable populations during outages.
- Recent severe storm and severe winter weather events have resulted in intense precipitation which have overwhelmed culverts and caused flooding. It is assumed that some culverts may be undersized and contribute to flooding, such as the one located on Warren Street.
- The Village is experiencing water infiltration in a sewer main due to deteriorated pipes which allows groundwater to seep into the sewer pipes through cracks and leaks which is worsened from intense precipitation events from severe weather and severe winter weather events that result in flood events.
- Creeks flow through the Village and significantly heavy rain events results in unexpected flash flooding for the Village, especially along Railroad Avenue and Warehouse Street.
- There are inadequate drainage systems in the Village which causes flooding from severe storms and severe winter storms, damages to roadways, and create hazardous driving conditions.
- The Village experiences loose vegetation mixed with drainage water which causes damming and plugged culverts. When this occurs, flood waters from severe storms and severe winter storms escape the existing drainage network, which causes significant damage to public and private property. Recovery efforts are time consuming and labor intensive.

13.7 MITIGATION STRATEGY AND PRIORITIZATION

This section discusses the status of mitigation actions from the previous HMP, describes proposed hazard mitigation actions, and prioritizes actions to address over the next five years.



13.7.1 Past Mitigation Action Status

Table 13-17 indicates progress on the Village’s mitigation strategy identified in the 2020 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.



Table 13-17. 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.
The Village did not participate in the 2020 Plan.						



13.7.2 Proposed Hazard Mitigation Actions for the HMP Update

Rushville 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 Rushville 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 Village priorities.

Table 13-18 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 13-19 provides a summary of the prioritization of all proposed mitigation actions for the HMP update.

**Table 13-18. Analysis of Mitigation Actions by Hazard and Category**

Hazard	Actions That Address the Hazard, by Action Category									
	FEMA				CRS					
	LPR	SIP	NSP	EAP	PR	PP	PI	NR	SP	ES
Dam Failure	X	X		X	X		X			X
Disease Outbreak	X	X		X			X			X
Drought	X	X		X			X			X
Extreme Temperatures	X	X		X			X			X
Flood	X	X		X	X		X		X	X
Harmful Algal Bloom	X	X		X			X			X
Hazardous Materials	X	X		X	X		X			X
Landslide	X	X		X	X		X			X
Severe Storm	X	X		X	X		X		X	X
Severe Winter Storm	X	X		X	X		X		X	X
Transportation Accidents	X	X		X	X		X			X
Utility Failure	X	X		X	X		X			X

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 13-19. Summary of Prioritization of Actions**

Project Number	Project Name	Scores for Evaluation Criteria															High / Medium / Low
		Life Safety	Property Protection	Cost-Effectiveness	Political	Legal	Fiscal	Environmental	Social Vulnerability	Administrative	Hazards of Concern	Climate Change	Timeline	Community Lifelines	Other Local Objectives	Total	
2025-RushvilleV-01	Substantial Damage Management Plan	1	1	1	1	1	1	1	1	1	1	1	1	1	0	13	High
2025-RushvilleV-02	Socially Vulnerable Populations Outreach	1	0	1	1	1	1	1	1	1	1	1	1	0	0	11	High
2025-RushvilleV-03	Intermunicipal Agreements	1	1	1	1	1	1	1	1	1	1	1	1	0	1	13	High
2025-RushvilleV-04	Backup Power in the Village Hall	1	1	1	1	1	0	1	1	1	1	1	1	1	1	13	High
2025-RushvilleV-05	Replace Culvert on Warren Street	1	1	1	1	1	0	0	0	1	1	1	1	0	1	10	Medium
2025-RushvilleV-06	Sewer Main Replacement	1	1	1	1	1	0	1	1	1	1	1	1	0	1	12	High
2025-RushvilleV-07	Routine Creek Maintenance Schedule	0	1	1	1	1	1	1	1	1	1	1	1	1	1	13	High
2025-RushvilleV-08	Stormwater Improvements	0	1	1	1	1	1	1	1	1	1	1	1	1	1	13	High
2025-RushvilleV-09	Creek Stabilization	1	1	1	1	1	1	1	1	1	1	1	1	1	1	14	High
2025-RushvilleV-10	Permit Tracking	1	1	1	1	1	1	1	1	1	1	0	1	1	0	12	High

Note: Volume I, Section 20 (Mitigation Strategy) conveys guidance on prioritizing mitigation actions. Low (0-6), Medium (7-10), High (11-14).

**2025-RushvilleV-01. Substantial Damage Management Plan**

Action Name:	Substantial Damage Management Plan
Lead Agency:	Planning Department
Supporting Agencies:	Village Board
Hazards of Concern:	Dam Failure, Flood, Hazardous Materials, Landslides, Severe Weather, Severe Winter Weather, Transportation, Utility Failure
Description of the Problem:	<p>Officials in NFIP-participating communities are responsible for regulating all development in SFHAs by issuing permits and enforcing local floodplain requirements, including Substantial Damage, for the repairs of damaged buildings. After any disaster event, they must:</p> <ul style="list-style-type: none">• Determine where the damage occurred within the community and if the damaged structures are in an SFHA.• Determine what to use for “market value” and cost to repair; uniformly applying regulations will protect against liability and promote equitable administration.• Determine if repairing plus improving the damaged structure equals or exceeds 50% of the structure’s pre-damage value.• Require permits for floodplain development. <p>The municipality does not have a Substantial Damage Management Plan in place, nor do they have a formal process in place when conducting substantial damage determinations which can be a result of dam failure, flood, landslides, severe weather, severe winter weather, transportation accidents and utility failure. The municipality is in need of a formal process and plan to provide a framework for conducting such inspections and determinations.</p>
Description of the Solution:	<p>The municipality will develop a Substantial Damage Management Plan, following the six-step planning process in 2021 Developing a Substantial Damage Management Plan (https://crsresources.org/files/500/developing_subst_damage_mgmt_plan.pdf). This plan will outline responsibilities for Substantial Damage determinations, determining market value, and permit approval processes following a disaster event.</p>
Estimated Cost:	Low
Potential Funding Sources:	Village Budget
Implementation Timeline:	Within 3 years
Goals Met:	1, 2
Benefits:	This action will provide a guidance document to determine substantial damage in the Village.
Impact on Socially Vulnerable Populations:	Socially vulnerable populations may disproportionately be impacted by substantial damages.
Impact on Future Development:	N/A
Impact on Critical Facilities/Lifelines:	N/A
Impact on Capabilities:	This action will produce substantial damage guidance for Village officials to use.



Climate Change Considerations:	Climate change is leading to an increase in frequency and intensity of precipitation events, which also increases flooding and may lead to a main failure.	
Mitigation Category	Local Plans and Regulations	
CRS Category	Emergency Services, Preventative	
Priority	High	
Alternatives	Action	Evaluation
	No Action	-
	Rely on state or federal resources following disaster events	Resources may not be available during major widespread events
	Establish MOUs with outside agencies to conduct Substantial Damage Determinations	A plan outlining responsibility is still necessary to prevent missing important requirements

**2025-RushvilleV-02. Socially Vulnerable Populations Outreach**

Action Name:	Socially Vulnerable Populations Outreach
Lead Agency:	Planning and Development Committee
Supporting Agencies:	Public Works
Hazards of Concern:	Dam Failure, Disease Outbreak, Drought, Extreme Temperature, Flood, Harmful Algal Bloom, Hazardous Materials, Landslides, Severe Weather, Severe Winter Weather, Transportation, Utility Failure
Description of the Problem:	The Village does not have any organizations that conduct outreach and education to socially vulnerable populations and underserved populations relating to dam failure, disease outbreak, drought, extreme temperature, flood, harmful algal blooms, hazardous materials, landslides, severe weather, severe winter weather, transportation accidents, and utility failure, which are the County's identified hazards of concern.
Description of the Solution:	Create outreach materials, or utilize those from Yates County, on hazard risks and methods of mitigation on each identified hazard of concern, for socially vulnerable populations. Methods of distribution may include Village events, the Village newsletters, social media, the Village website, and having the materials on display for the public at Village libraries and offices. Consider hiring staff to work directly with socially vulnerable populations. Outreach materials will be specified with education and information for each individual hazard of concern.
Estimated Cost:	Low
Potential Funding Sources:	Village Budget, HMGP
Implementation Timeline:	Within 3 Years and ongoing once established capability
Goals Met:	2, 3
Benefits:	This action will ensure there is an individual working to identify and work with the socially vulnerable populations in the Village. Furthermore, this action will create opportunities to educate and inform populations on hazard risks.
Impact on Socially Vulnerable Populations:	Socially vulnerable populations in the Village will become educated on hazards risks. The Village will identify an individual to identify and work with these populations to ensure the most up to date information is being shared.
Impact on Future Development:	N/A
Impact on Critical Facilities/Lifelines:	Educating populations on hazard risk and how to mitigate the risks can decrease the demand on utilities and emergency services including health and medical, law enforcement, and search and rescue.
Impact on Capabilities:	This action would build upon the Village's already existing public education and outreach program.
Climate Change Considerations:	Climate change is likely to increase the intensity and frequency of many climate related disaster events. This action will inform residents and business owners of how to reduce risk from hazards and how climate change may exacerbate those risks.
Mitigation Category	Education and Awareness Programs
CRS Category	Public Information
Priority	High



Alternatives	Action	Evaluation
	No Action	-
	Rely on state or federal resources	Resources may be generalized and not specific to the risks in the Village
	Use only a few methods for distribution	Using only a few methods of distribution may hinder socially vulnerable populations from receiving the guidance

**2025-RushvilleV-03. Intermunicipal Agreements**

Action Name:	Intermunicipal Agreements	
Lead Agency:	Public Works	
Supporting Agencies:	Planning Department	
Hazards of Concern:	Dam Failure, Disease Outbreak, Drought, Extreme Temperature, Flood, Harmful Algal Bloom, Hazardous Materials, Landslides, Severe Weather, Severe Winter Weather, Transportation, Utility Failure	
Description of the Problem:	The Village suffers from limited staffing capabilities due to the smaller size of the Village.	
Description of the Solution:	The Village will create intermunicipal agreements so that staffing needs to respond to dam failure, disease outbreak, droughts, extreme temperature, flooding, harmful algal blooms, hazardous materials, landslides, severe weather, severe winter weather, transportation accidents, and utility failure may be met throughout the County, especially during emergency and disaster events.	
Estimated Cost:	Low	
Potential Funding Sources:	Village Budget	
Implementation Timeline:	Within 3 years, then ongoing	
Goals Met:	2, 3	
Benefits:	The Village will have access to additional staffing to use during emergency and disaster events.	
Impact on Socially Vulnerable Populations:	Socially vulnerable populations may benefit from additional staffing to be able to address their needs during emergency events.	
Impact on Future Development:	N/A	
Impact on Critical Facilities/Lifelines:	Additional staffing may be able to support critical facilities and lifelines.	
Impact on Capabilities:	This action increases the Village's capabilities to handle emergency events.	
Climate Change Considerations:	Climate change is likely to increase the intensity and frequency of many climate related disaster events.	
Mitigation Category	Local Plans and Regulations	
CRS Category	Emergency Services, Public Information	
Priority	High	
Alternatives	Action	Evaluation
	No Action	-
	Rely on County	County has its own emergencies and disaster events
	Hire more staff	Not cost effective

**2025-RushvilleV-04. Backup Power in the Village Hall**

Action Name:	Backup Power in the Village Hall	
Lead Agency:	Public Works	
Supporting Agencies:	Planning Department	
Hazards of Concern:	Dam Failure, Disease Outbreak, Drought, Extreme Temperature, Flood, Hazardous Materials, Landslides, Severe Weather, Severe Winter Weather, Utility Failure	
Description of the Problem:	The Village Hall does not have backup power to perform continuity of operations when the power is out. The Village Hall also cannot be used as a temporary emergency shelter or PPE distribution center for socially vulnerable populations during outages.	
Description of the Solution:	The Village will conduct a generator study and will purchase a generator based on what the study suggests would be the best fit. The Village will ensure that they conduct routine maintenance on the generator. This action will allow for continuity of operation and shelter during outages from dam failure, disease outbreak, droughts, extreme temperature, flood, hazardous materials, landslides, severe weather, severe winter weather, and utility failure.	
Estimated Cost:	Medium	
Potential Funding Sources:	HMGP, BRIC, EMPG, Village Budget	
Implementation Timeline:	Within 5 Years	
Goals Met:	1, 2	
Benefits:	This action protects public health and safety and ensures continued operation of a critical facility and its essential functions during a power outage.	
Impact on Socially Vulnerable Populations:	Protection of critical facilities provides an opportunity for first responders, utility workers, and emergency managers to stage and deploy resources to vulnerable and hazard prone areas.	
Impact on Future Development:	This action results in protection of a critical facility that could support future development.	
Impact on Critical Facilities/Lifelines:	This action protects public health and safety and ensures continued operation of a critical facility and its essential functions during a power outage.	
Impact on Capabilities:	This action ensures continuity of operations to maintain capabilities.	
Climate Change Considerations:	Climate change is likely to increase severe weather events such as flooding, wind, and extreme temperatures that result in power failures. This action accounts for a likely increase in power failure events.	
Mitigation Category	Structure and Infrastructure Projects	
CRS Category	Emergency Services	
Priority	High	
Alternatives	Action	Evaluation
	No Action	-
	Microgrid	Costly and difficult to implement.



	Solar panels and battery backup	Solar power is unlikely to be able to provide battery power for extended power failure events.
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**2025-RushvilleV-05. Replace Culvert on Warren Street**

Action Name:	Replace Culvert on Warren Street	
Lead Agency:	Public Works	
Supporting Agencies:	Planning Department	
Hazards of Concern:	Flood, Severe Weather, Severe Winter Weather	
Description of the Problem:	Recent severe storm and severe winter weather events have resulted in intense precipitation which have overwhelmed culverts and caused flooding. It is assumed that some culverts may be undersized and contribute to flooding, such as the one located on Warren Street.	
Description of the Solution:	The Village will complete an engineering survey of culverts on Warren Street that are undersized and contribute to flooding to determine the proper size necessary to provide stormwater capacity. The Village Public Works will complete the necessary upsizing for those culverts noted to be undersized.	
Estimated Cost:	Medium	
Potential Funding Sources:	HMGP, BRIC, CHIPS, Village Budget	
Implementation Timeline:	Within 5 Years	
Goals Met:	1, 2	
Benefits:	Overall flooding will be reduced, which will result in less frequency of road closures and reduced damage occurring to culverts and roadways during severe events. Businesses are likely to remain in place if they are able to remain open, or re-open sooner following a flood.	
Impact on Socially Vulnerable Populations:	Areas that were previously vulnerable to frequency or severe flooding events will be less likely to be impacted by flooding events.	
Impact on Future Development:	Future development in the impacted area will be less likely to be flooded.	
Impact on Critical Facilities/Lifelines:	<ul style="list-style-type: none">• Transportation routes are more likely to remain open• Evacuation routes will remain intact.• Access to health and medical facilities will be maintained, both for healthcare workers and the population who requires treatment for injuries and illness.	
Impact on Capabilities:	Identifying the culverts that are at greatest risk of damage or failure can allow for resource staging to take place where the need is greatest ahead of a flood event.	
Climate Change Considerations:	Climate change is likely to result in more frequent and severe rainfall events. This action upsizes culvert sizes to meet changing stormwater needs as the result of climate change.	
Mitigation Category	Structure and Infrastructure Project	
CRS Category	Structural Project	
Priority	Medium	
Alternatives	Action	Evaluation
	No Action	-
	Remove roadway	Roadway cannot be removed



	Raingardens	Raingardens are unlikely to be able to absorb enough stormwater to prevent flooding during severe rainfall events.
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**2025-RushvilleV-06. Sewer Main Improvements**

Action Name:	Sewer Main Improvements	
Lead Agency:	Public Works	
Supporting Agencies:	Village Board	
Hazards of Concern:	Flood, Severe Weather, Severe Winter Weather	
Description of the Problem:	The Village is experiencing water infiltration in a sewer main due to deteriorated pipes which allows groundwater to seep into the sewer pipes through cracks and leaks which is worsened from intense precipitation events from severe weather and severe winter weather events that result in flood events.	
Description of the Solution:	The Village will conduct a study to determine where the water infiltration is occurring in the sewer pipe system and will implement the most cost effective measure to reduce risk.	
Estimated Cost:	TBD after study	
Potential Funding Sources:	HMGP, BRIC, Village Budget	
Implementation Timeline:	Within 5 Years	
Goals Met:	1, 2	
Benefits:	The Village will experience less infiltration and potential pollution.	
Impact on Socially Vulnerable Populations:	N/A	
Impact on Future Development:	Future development will not have to be concerned with sewer main breaks.	
Impact on Critical Facilities/Lifelines:	Critical facilities will not be impacted by any water infiltration systems.	
Impact on Capabilities:	This action improves the Village's capability to handle pollution and flood issues.	
Climate Change Considerations:	Climate change is likely to result in more frequent and severe rainfall events.	
Mitigation Category	Structure and Infrastructure Project	
CRS Category	Structural Project	
Priority	High	
Alternatives	Action	Evaluation
	No Action	-
	Replace the entire sewer system	Not Cost Effective
	Create a backup system in case of emergencies	Not Cost Effective

**2025-RushvilleV-07. Creek Debris Management**

Action Name:	Creek Debris Management	
Lead Agency:	Village Board	
Supporting Agencies:	Village Public Works	
Hazards of Concern:	Flood	
Description of the Problem:	Creeks flow through the Village and significantly heavy rain events result in unexpected flash flooding for the Village, especially along Railroad Avenue and Warehouse Street.	
Description of the Solution:	The Village will develop and implement a debris management plan to address loose vegetation and debris to promote drainage capacity and stormwater flow.	
Estimated Cost:	Low	
Potential Funding Sources:	Village Budget	
Implementation Timeline:	Within 3 years, ongoing once implemented	
Goals Met:	1, 2	
Benefits:	This action will reduce risk of flood damages through improved drainage capacity/stormwater diversion and will also reduce risk of injuries to citizens.	
Impact on Socially Vulnerable Populations:	This action will reduce flooding issues that may disproportionately affect socially vulnerable populations.	
Impact on Future Development:	This action will reduce flooding in the area which may allow for more future development in the area.	
Impact on Critical Facilities/Lifelines:	This action will reduce flooding that may impact critical facilities in the area outside of the designated FIRM flood zone.	
Impact on Capabilities:	This action strengthens the Village's ability to handle flooding.	
Climate Change Considerations:	Climate change is likely to result in more frequent and severe rainfall events.	
Mitigation Category	Local Plans and Regulations	
CRS Category	Structural Flood Control Projects	
Priority	High	
Alternatives	Action	Evaluation
	No Action	-
	Purchase moveable flood barriers	Does not fix the root of the problem and is not cost effective
	Install storm system with larger capacity	Does not fix the root of the problem

**2025-RushvilleV-08. Stormwater Improvements**

Action Name:	Stormwater Improvements	
Lead Agency:	Village Public Works	
Supporting Agencies:	Village Board	
Hazards of Concern:	Flood, Severe Storm, Severe Winter Storm	
Description of the Problem:	There are inadequate drainage systems in the Village which causes flooding from severe storms and severe winter storms, damages to roadways, and create hazardous driving conditions.	
Description of the Solution:	The Village will assess and make necessary upgrades to the current stormwater drainage system and will remove sump pump connections to sanitary sewers.	
Estimated Cost:	Medium	
Potential Funding Sources:	Village Budget, HMGP, BRIC, CDBG	
Implementation Timeline:	2 Years	
Goals Met:	1, 2	
Benefits:	The Village will experience a flood reduction through improved drainage capacity.	
Impact on Socially Vulnerable Populations:	This action will reduce flooding issues that may disproportionately affect socially vulnerable populations.	
Impact on Future Development:	This action will reduce flooding in areas which may allow for more future development in the area.	
Impact on Critical Facilities/Lifelines:	This action will reduce flooding that may impact critical facilities in the area outside of the designated FIRM flood zone.	
Impact on Capabilities:	This action strengthens the Village's ability to handle flooding.	
Climate Change Considerations:	Climate change is likely to result in more frequent and severe rainfall events.	
Mitigation Category	Structure and Infrastructure Project	
CRS Category	Structural Project	
Priority	High	
Alternatives	Action	Evaluation
	No Action	-
	Purchase moveable flood barriers	Does not fix the root of the problem and is not cost effective
	Plant more trees in green spaces to reduce flooding	Issues of flooding in high precipitation events

**2025-RushvilleV-09. Creek Stabilization**

Action Name:	Creek Stabilization	
Lead Agency:	Village Board	
Supporting Agencies:	Village Public Works	
Hazards of Concern:	Flood, Severe Storm, Severe Winter Storm	
Description of the Problem:	The Village experiences loose vegetation mixed with drainage water which causes damming and plugged culverts. When this occurs, flood waters from severe storms and severe winter storms escape the existing drainage network, which causes significant damage to public and private property. Recovery efforts are time consuming and labor intensive.	
Description of the Solution:	The Village will reduce the effects of erosion and sedimentation by requiring erosion controls for new construction, including on site sediment retention as a development requirement, such as adding thick vegetation to public lands along riverbanks.	
Estimated Cost:	Medium	
Potential Funding Sources:	Village Budget, HMGP, BRIC, CDBG	
Implementation Timeline:	Within 5 years, then ongoing	
Goals Met:	1, 2	
Benefits:	This action reducing risk of flood damages through improved drainage capacity and stormwater diversion.	
Impact on Socially Vulnerable Populations:	This action aims to protect all citizens impacted by creek flooding, including socially vulnerable populations.	
Impact on Future Development:	This action reduces flooding in the Village which opens additional areas for development.	
Impact on Critical Facilities/Lifelines:	This action will reduce flooding that may impact critical facilities in the area outside of the designated FIRM flood zone.	
Impact on Capabilities:	This action reduces risk of flood damages through improved drainage capacity.	
Climate Change Considerations:	Climate change is likely to result in more frequent and severe rainfall events.	
Mitigation Category	Structure and Infrastructure Project	
CRS Category	Structural Flood Control Projects	
Priority	High	
Alternatives	Action	Evaluation
	No Action	-
	Purchase moveable flood barriers	Does not fix the root of the problem and is not cost effective
	Install storm system with larger capacity	Does not fix the root of the problem

**2025-Rushville-10. Permit Tracking**

Action Name:	Permit Tracking	
Lead Agency:	Construction Official	
Supporting Agencies:	Village Floodplain Administrator, Planning and Zoning Boards, Village Administration	
Hazards of Concern:	Flood, Landslide	
Description of the Problem:	The Village does not track permits by hazard area. Tracking permits by hazard area can ensure structures have lowered risk from potential hazards, such as flood and landslides.	
Description of the Solution:	The Village will implement a permit tracking process, focused on the Special Flood Hazard Area, but inclusive of other hazard areas such as steep slopes and near forested or woodland areas. The Construction Official will be responsible for permit review, with assistance from the Floodplain Administrator.	
Estimated Cost:	Low	
Potential Funding Sources:	Municipal Budget	
Implementation Timeline:	Within 2 Years	
Goals Met:	2, 3	
Benefits:	This action will allow all permits issued within the Village to be tracked by hazard area.	
Impact on Socially Vulnerable Populations:	This action may reduce the impacts of hazards to socially vulnerable populations by restricting the construction of structures which would have otherwise been utilized by these populations.	
Impact on Future Development:	This action may lead to permits being restricted within various identified hazard areas in the Village and municipal codes to be updated.	
Impact on Critical Facilities/Lifelines:	This action will restrict the construction of structures in hazard areas which reduces the risk to first responders, as they will not have to enter hazardous areas to assist the general population.	
Impact on Capabilities:	This action will enhance the NFIP capabilities in the Village.	
Climate Change Considerations:	Climate change may result in an increase in the frequency and severity of weather-related disaster events. This action will increase the Village's ability to track structures located in hazard areas which may have conditions exacerbated by the impacts of climate change, such as floods and landslides.	
Mitigation Category	Local Plans and Regulations	
CRS Category	Preventative Measures	
Priority	High	
Alternatives	Action	Evaluation
	No action	Current problem remains
	Track only flood development permits	Will align with NFIP requirements, but will not consider other hazard areas in the Village



	Contract with a neighboring municipality to track permits	May not be feasible
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