



9.25 TOWN OF SPRINGWATER

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

9.25.1 Hazard Mitigation Planning Team

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

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

Table 9.25-1. Hazard Mitigation Planning Team

| Primary Point of Contact | Alternate Point of Contact |
|---|--|
| Name/Title: Deborah Babbitt Henry, Town Supervisor Address: 8022 South Main St., Springwater, NY 14560 Phone Number: 585- 402-6790 Email: springwatersuper@yahoo.com | Name/Title: Larry Gnau, Deputy Town Supervisor Address: 8022 South Main St., Springwater, NY 14560 Phone Number:585-944-6358 Email: lgnau@frontiernet.net |
| NFIP Floodplain Administrator | |
| Name/Title: Allan Henry, Code Enforcement Address: 8022 South Main St., Springwater, NY 14560 Phone Number: 585-447-0249 Email: springwatercode@yahoo.com | |
| Additional Contributors | |
| None | |

9.25.2 Municipal Profile

According to the U.S. Census Bureau, the Town has a total land area of 53.3 square miles, of which 53.3 square miles is land and 0.04 square miles is water.

According to the U.S. Census, the 2019 population for the Town of Springwater was 2,233, an 8.4 percent decrease from the 2010 Census. Data from the 2019 U.S. Census American Community Survey indicate that 5.5 percent of the population is 5 years of age or younger and 19.3 percent is 65 years of age or older. Communities must deploy a support system that enables all populations to safely reach shelters or to quickly evacuate a hazard area.



9.25.3 Jurisdictional Capability Assessment and Integration

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

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

For a community to succeed in reducing long-term risk, hazard mitigation must be integrated into the day-to-day local government operations. As part of this planning effort, planning/policy documents were reviewed, and each jurisdiction was surveyed to obtain a better understanding of their progress in plan integration and how risk reduction is supported. Areas with current mitigation integration are summarized in this jurisdictional Capability Assessment (Section 9.25.3). The Town of Springwater’s identified opportunities for integration of mitigation concepts to be incorporated into municipal procedures are included in the updated mitigation strategy.

Planning, Legal, and Regulatory Capability

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

Table 9.25-2. Planning, Legal, and Regulatory Capability

| | Jurisdiction has this? (Yes/No) | Required by State? (Yes/No) | Code Citation and Date (code chapter, name of plan, date of plan) | Authority (local, county, state, federal) | Individual / Department / Agency Responsible |
|--|---------------------------------|-----------------------------|---|---|--|
| Codes, Ordinances, & Regulations – See local laws | | | | | |
| Building Code | Yes | Yes | Local Law 02 of 2015 | State and Local | Code Enforcement Officer |
| <i>How does this reduce risk?</i> | | | | | |
| Zoning/Land Use Code | No | No | | Local | |
| <i>How does this reduce risk?</i> | | | | | |
| Subdivision Ordinance | Yes | No | 2011 | Local | Planning Board |
| <i>How does this reduce risk?</i> | | | | | |
| Site Plan Ordinance | No | No | | Local and County | |
| <i>How does this reduce risk?</i> | | | | | |
| Stormwater Management Ordinance | No | Yes | | Local | |
| <i>How does this reduce risk?</i> | | | | | |
| Post-Disaster Recovery/ Reconstruction Ordinance | No | No | | | |



| | Jurisdiction has this? (Yes/No) | Required by State? (Yes/No) | Code Citation and Date (code chapter, name of plan, date of plan) | Authority (local, county, state, federal) | Individual / Department / Agency Responsible |
|---|---------------------------------|---|---|---|--|
| <i>How does this reduce risk?</i> | | | | | |
| Real Estate Disclosure | Yes | Yes | Property Condition Disclosure Act, NY Code - Article 14 §460-467 | State | NYS Department of State, Real Estate Agent |
| <i>How does this reduce risk?</i> 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 | No | | Local | |
| <i>How does this reduce risk?</i> | | | | | |
| Environmental Protection Ordinance | No | Yes | | | |
| <i>How does this reduce risk?</i> | | | | | |
| Flood Damage Prevention Ordinance | Yes | Yes - BFE+2 feet for all construction in the SFHA (residential and non-residential) | Unknown | Federal, State, County and Local | FPA |
| <i>How does this reduce risk?</i> | | | | | |
| Wellhead Protection | No | No | | | |
| <i>How does this reduce risk?</i> | | | | | |
| Emergency Management Ordinance | Yes | Yes | - | Local | - |
| <i>How does this reduce risk?</i> | | | | | |
| Climate Change Ordinance | No | No | | | |
| <i>How does this reduce risk?</i> | | | | | |
| Other | | - | | | |
| Planning Documents | | | | | |
| Master Plan | Yes | No | Master Plan | Local | Planning Board |
| <i>How does this reduce risk?</i> | | | | | |
| Capital Improvement Plan | No | No | | | |
| <i>How does this reduce risk?</i> | | | | | |
| Disaster Debris Management Plan | No | No | | | |
| <i>How does this reduce risk?</i> | | | | | |
| Floodplain Management or Watershed Plan | No | No | | | |
| <i>How does this reduce risk?</i> | | | | | |
| Stormwater Management Plan | No | No | | | |
| <i>How does this reduce risk?</i> | | | | | |
| Open Space Plan | No | Yes | | | |
| <i>How does this reduce risk?</i> | | | | | |
| Urban Water Management Plan | No | No | | | |
| <i>How does this reduce risk?</i> | | | | | |
| Habitat Conservation Plan | No | No | | | |



| | Jurisdiction has this? (Yes/No) | Required by State? (Yes/No) | Code Citation and Date (code chapter, name of plan, date of plan) | Authority (local, county, state, federal) | Individual / Department / Agency Responsible |
|---|---------------------------------|---------------------------------------|--|---|--|
| <i>How does this reduce risk?</i> | | | | | |
| Economic Development Plan | No | No | | | |
| <i>How does this reduce risk?</i> | | | | | |
| Shoreline Management Plan | No | Yes, in jurisdictions with CEHA areas | Article 34, Environmental Conservation Law, Coastal Erosion Hazard Areas | Yes, in jurisdictions with CEHA areas | |
| <i>How does this reduce risk?</i> | | | | | |
| Community Wildfire Protection Plan | No | No | | | |
| <i>How does this reduce risk?</i> | | | | | |
| Community Forest Management Plan | No | No | | | |
| <i>How does this reduce risk?</i> | | | | | |
| Transportation Plan | No | No | | | |
| <i>How does this reduce risk?</i> | | | | | |
| Agriculture Plan | No | No | | | |
| <i>How does this reduce risk?</i> | | | | | |
| Climate Action/ Resiliency/Sustainability Plan | No | No | | | |
| <i>How does this reduce risk?</i> | | | | | |
| Tourism Plan | No | No | | | |
| <i>How does this reduce risk?</i> | | | | | |
| Business/ Downtown Development Plan | No | No | | | |
| <i>How does this reduce risk?</i> | | | | | |
| Other | | | | | |
| Response/Recovery Planning | | | | | |
| Emergency Operations Plan | Yes | Yes | Emergency Operations Plan | Local | Emergency Manager |
| <i>How does this reduce risk?</i> | | | | | |
| Strategic Recovery Planning Report | No | No | | | |
| <i>How does this reduce risk?</i> | | | | | |
| Threat & Hazard Identification & Risk Assessment (THIRA) | No | Yes | | | |
| <i>How does this reduce risk?</i> | | | | | |
| Post-Disaster Recovery Plan | No | No | | | |
| <i>How does this reduce risk?</i> | | | | | |
| Continuity of Operations Plan | Yes | No | COOP/COG Plan | Local | Supervisor |
| <i>How does this reduce risk?</i> | | | | | |
| Public Health Plan | No | No | | | |
| <i>How does this reduce risk?</i> | | | | | |
| Other | | - | | | |



Development and Permitting Capability

The table below summarizes the capabilities of the Town of Springwater to oversee and track development.

Table 9.25-3. 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 yes, what department is responsible? If no, what is your process for development? | Yes | |
| Are permits tracked by hazard area? (For example, floodplain development permits.) | No | |
| Do you have a buildable land inventory? <ul style="list-style-type: none"> If yes, describe. If no, quantitatively describe the level of buildout in the jurisdiction. | No | |

Administrative and Technical Capability

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

Table 9.25-4. Administrative and Technical Capabilities

| Resources | Available? (Yes/No) | Comments (available staff, responsibilities, support of hazard mitigation) |
|--|---------------------|--|
| Administrative Capability | | |
| Planning Board | No | |
| Zoning Board of Adjustments | No | |
| Planning Department | No | |
| Mitigation Planning Committee | No | |
| Environmental Board/Commission | Yes | |
| Open Space Board/Committee | Yes | |
| Economic Development Commission/Committee | No | |
| Public Works/Highway Department | Yes | Highway |
| Construction/Building/Code Enforcement Department | Yes | Code Enforcement |
| Emergency Management/Public Safety Department | No | |
| Maintenance programs to reduce risk (stormwater maintenance, tree trimming, etc.) | No | |
| Mutual aid agreements | No | |
| Human Resources Manual | In Development | Consider the following: <ul style="list-style-type: none"> Do any job descriptions specifically include identifying and/or implementing mitigation projects/actions or other efforts to reduce natural hazard risk? |
| Other | | |
| Technical/Staffing Capability | | |
| Planners or engineers with knowledge of land development and land management practices | No | Town Supervisor |



| Resources | Available? (Yes/No) | Comments (available staff, responsibilities, support of hazard mitigation) |
|--|---------------------|--|
| Engineers or professionals trained in building or infrastructure construction practices | No | |
| Planners or engineers with an understanding of natural hazards | No | |
| Staff with expertise or training in benefit/cost analysis | No | |
| Professionals trained in conducting damage assessments | Yes | Town Supervisor |
| Personnel skilled or trained in GIS and/or Hazards United States (HAZUS) – Multi-Hazards (MH) applications | No | |
| Scientist familiar with natural hazards | No | |
| Surveyor(s) | No | |
| Emergency Manager | Yes | Town Supervisor |
| Grant writer(s) | Yes | |
| Resilience Officer | No | |
| Other (this could include stormwater engineer, environmental specialist, etc.) | | |

Fiscal Capability

The table below summarizes financial resources available to the Town of Springwater.

Table 9.25-5. Fiscal Capabilities

| Financial Resources | Are these accessible or eligible to use for mitigation? (Yes/No) If yes, please describe. If no, can this be used to support in the future? |
|---|---|
| Community development Block Grants (CDBG, CDBG-DR) | No |
| Capital improvements project funding | No |
| Authority to levy taxes for specific purposes | No |
| User fees for water, sewer, gas or electric service | No |
| Impact fees for homebuyers or developers of new development/homes | No |
| Stormwater utility fee | No |
| Incur debt through general obligation bonds | No |
| 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 | No |
| Open Space Acquisition funding programs | No |
| Other (for example, Clean Water Act 319 Grants [Nonpoint Source Pollution]) | No |

Education and Outreach Capability

The table below summarizes the education and outreach resources available to the Town of Springwater.



Table 9.25-6. Education and Outreach Capabilities

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

Community Classifications

The table below summarizes classifications for community programs available to the Town of Springwater.

Table 9.25-7. 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) | No | | |
| NYSDEC Climate Smart Community | No | | |
| StormReady Certification | No | | |
| Firewise Communities classification | No | | |
| Other | | | |

Note:

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

Adaptive Capacity

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



Table 9.25-8. Adaptive Capacity

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

**Strong Capacity exists and is in use*

Moderate Capacity may exist; but is not used or could use some improvement

Weak Capacity does not exist or could use substantial improvement

9.25.4 National Flood Insurance Program (NFIP) Compliance

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

Table 9.25-9. NFIP Summary

| Town of Springwater | # Policies | # Claims (Losses) | Total Loss Payments | # RL Properties | # SRL Properties | # Policies in the 1% Flood Boundary |
|---|------------|-------------------|---------------------|-----------------|------------------|-------------------------------------|
| Town of Springwater | 6 | 4 | \$39,376.90 | N/A | N/A | 4 |
| NFIP Topic | | | Comments | | | |
| Flood Vulnerability Summary | | | | | | |
| Describe areas prone to flooding in your jurisdiction. <ul style="list-style-type: none"> Do you maintain a list of properties that have been damaged by flooding? | | | No | | | |
| Do you maintain a list of property owners interested in flood mitigation? <ul style="list-style-type: none"> How many homeowners and/or business owners are interested in mitigation (elevation or acquisition)? | | | No | | | |
| Are any RiskMAP projects currently underway in your jurisdiction? <ul style="list-style-type: none"> If so, state what projects are underway. | | | Unknown | | | |
| How do you make Substantial Damage determinations? <ul style="list-style-type: none"> How many were declared for recent flood events in your jurisdiction? | | | None | | | |
| How many properties have been mitigated (elevation or acquisition) in your jurisdiction? <ul style="list-style-type: none"> If there are mitigation properties, how were the projects funded? | | | None | | | |



| Town of Springwater | # Policies | # Claims (Losses) | Total Loss Payments | # RL Properties | # SRL Properties | # Policies in the 1% Flood Boundary |
|---|------------|-------------------|---------------------|-----------------|------------------|-------------------------------------|
| Town of Springwater | 6 | 4 | \$39,376.90 | N/A | N/A | 4 |
| NFIP Topic | | | Comments | | | |
| Do your flood hazard maps adequately address the flood risk within your jurisdiction? <ul style="list-style-type: none"> If not, state why. | | | Yes – minimal area | | | |
| NFIP Compliance | | | | | | |
| What local department is responsible for floodplain management? | | | Code | | | |
| Are any certified floodplain managers on staff in your jurisdiction? | | | No | | | |
| 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"> If so, what type of assistance/training is needed? | | | No | | | |
| Provide an explanation of NFIP administration services you provide (e.g. permit review, GIS, education/outreach, inspections, engineering capability) | | | None | | | |
| How do you determine if proposed development on an existing structure would qualify as a substantial improvement? | | | N/A | | | |
| 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"> If so, state the violations. | | | N/A | | | |
| When was the most recent Community Assistance Visit (CAV) or Community Assistance Contact (CAC)? | | | N/A | | | |
| What is the local law number or municipal code of your flood damage prevention ordinance? What is the date that your flood damage prevention ordinance was last amended? | | | N/A | | | |
| Does your floodplain management program meet or exceed minimum requirements? <ul style="list-style-type: none"> If exceeds, in what ways? | | | N/A | | | |
| 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 jurisdiction participate in CRS? <ul style="list-style-type: none"> If yes, is your jurisdiction interested in improving its CRS Classification? If no, is your jurisdiction interested in joining the CRS program? | | | N/A | | | |
| | | | No | | | |

Notes:

RL Repetitive Loss; SRL Severe Repetitive Loss





9.25.5 Evacuation, Sheltering, Temporary Housing, and Permanent Housing

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

Evacuation Routes

The Town uses the major roads, in in and out of the municipality for evacuations if needed.

Sheltering

The Town of Springwater has identified the Town Barn as a possible shelter, but no further details were available. In the event sheltering is needed, the Town will work with the County to find suitable locations.

Temporary Housing

The Town of Springwater has not identified sites for the placement of temporary housing for residents displaced by a disaster or potential sites suitable for relocating structures out of the floodplain and/or building new homes once properties in the floodplain are acquired. In the event temporary housing is needed, the Town will work with the County to find suitable locations.

Permanent Housing

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

9.25.6 Growth/Development Trends

Understanding how past, current, and projected development patterns have or are likely to increase or decrease risk in hazard areas is a key component to understanding a jurisdiction’s overall risk to its hazards of concern. Table 9.25-10 summarizes recent and expected future development trends, including major residential/commercial development and major infrastructure development. With no new or proposed development in the Town, there are no impacts to vulnerability.

Table 9.25-10. Recent and Expected Future Development

| Type of Development | 2015 | | 2016 | | 2017 | | 2018 | | 2019 | | 2020 | | 2021 | |
|--|---------------------|-------------------------|----------|---|----------|-----------------------|----------|-------------------------------------|----------|-------------|----------|-------------|----------|-------------|
| Number of Building Permits for New Construction Issued Since the Previous HMP* (within regulatory floodplain/ Outside regulatory floodplain) | | | | | | | | | | | | | | |
| | Total | Within SFHA | Total | Within SFHA | Total | Within SFHA | Total | Within SFHA | Total | Within SFHA | Total | Within SFHA | Total | Within SFHA |
| Single Family | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Multi-Family | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other (commercial, mixed-use, etc.) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Permits Issued | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 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 | | | | | | |
| Recent Major Development and Infrastructure from 2015 to Present | | | | | | | | | | | | | | |



| |
|---|
| None |
| Known or Anticipated Major Development and Infrastructure in the Next Five (5) Years |
| None |

SFHA Special Flood Hazard Area (1% flood event)
 * Only location-specific hazard zones or vulnerabilities identified.

9.25.7 Jurisdictional Risk Assessment

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

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



Figure 9.25-1. Town of Springwater Flood and Mine Subsidence Hazard Areas

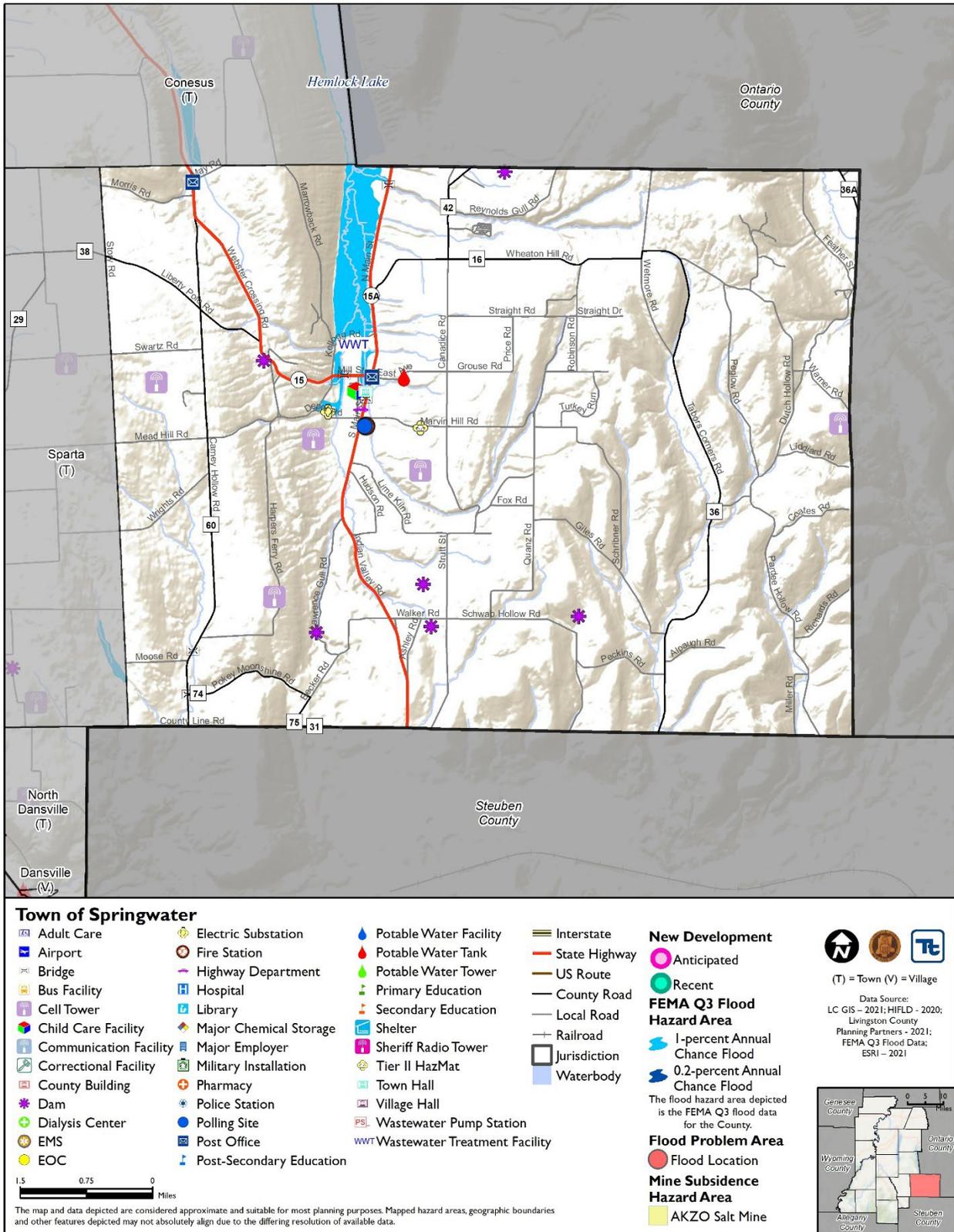




Figure 9.25-2. Town of Springwater Hazmat and Wildfire Hazard Areas

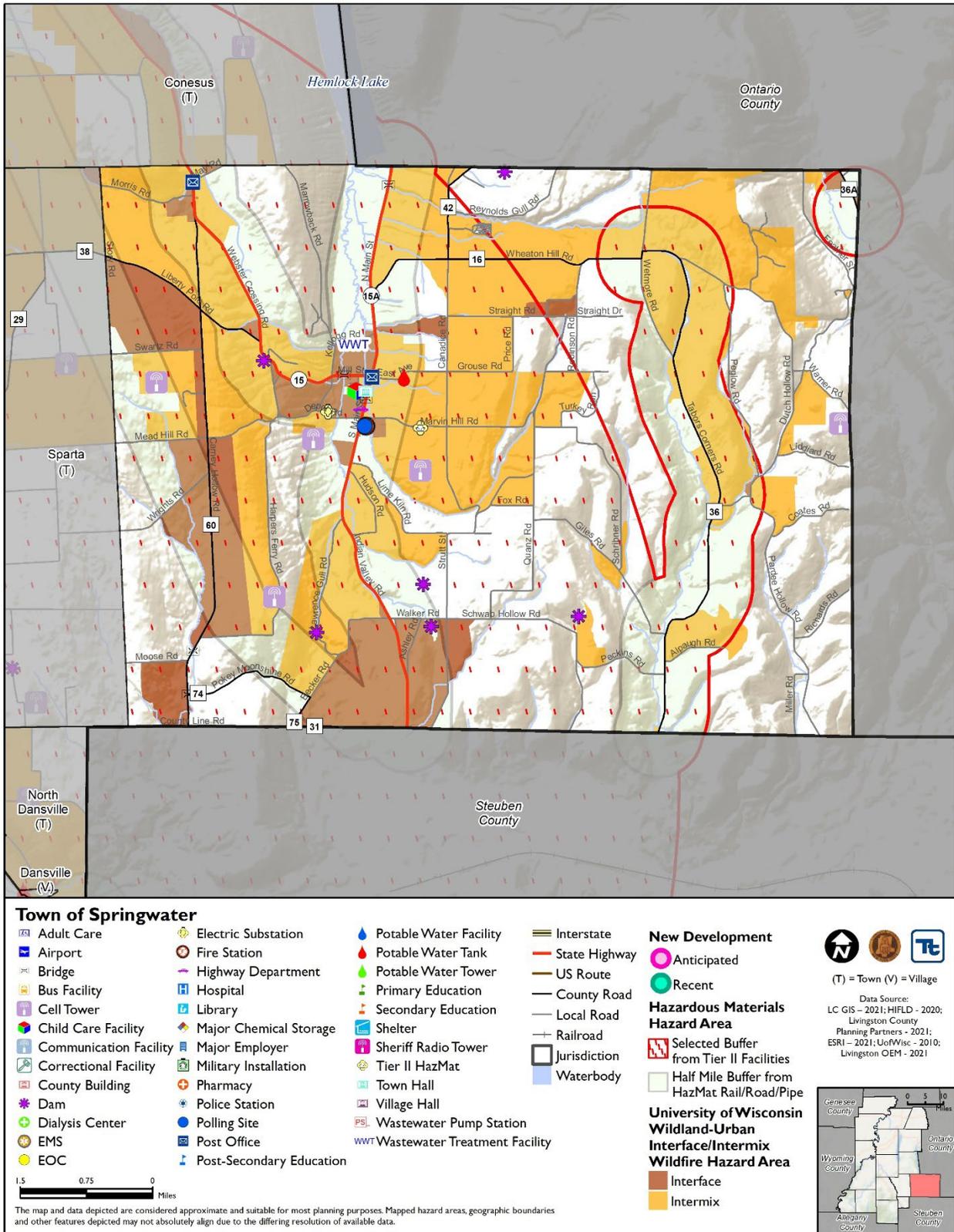
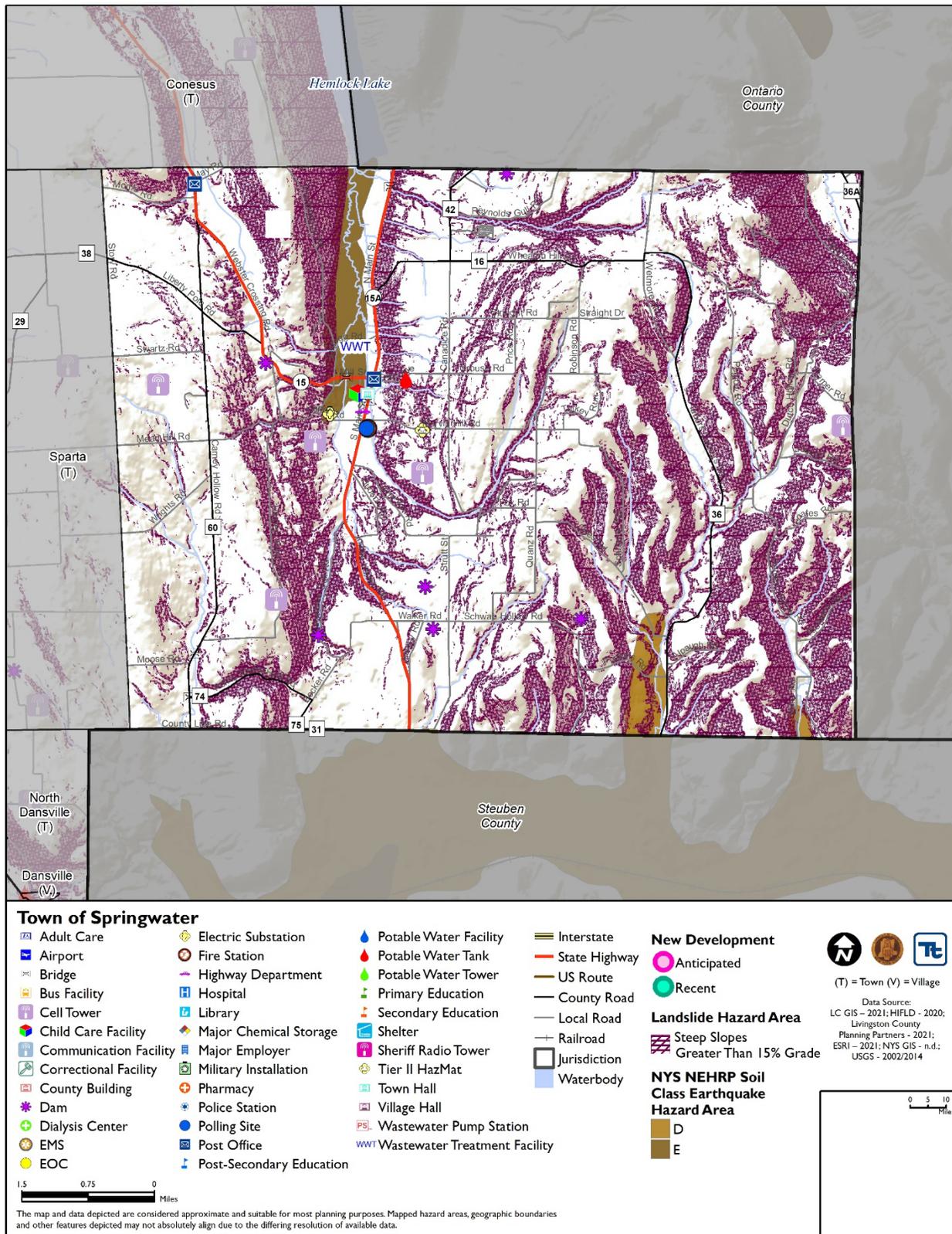




Figure 9.25-3. Town of Springwater Earthquake and Landslide Hazard Areas





Hazard Event History

Livingston County has a history of natural and non-natural hazard events as detailed in Volume I, Section 5 (Risk Assessment) of this plan. A summary of historical events is provided in each of the hazard profiles and includes a chronology of events that have affected the county and its municipalities.

The Town of Springwater’s history of federally-declared (as presented by FEMA) and significant hazard events (as presented in NOAA-NCEI) is consistent with that of Livingston County. Table 9.25-11 provides details regarding municipal-specific loss and damages the Town experienced during hazard events since the last hazard mitigation plan update. Information provided in the table below is based on reference material or local sources. For details of these and additional events, refer to Volume I, Section 5.0 of this plan.

Table 9.25-11. Hazard Event History

| Dates of Event | Event Type (Disaster Declaration if applicable) | Emergency Declaration? | Municipal Summary of Damages and Losses |
|----------------|---|------------------------|--|
| 2020 & 2021 | COVID 19 Pandemic | DR 3434 and 4480 | Negative social, health, and economic impacts such as population loss, resident infections, resident deaths, mandatory business closures, school closings, decreases in the local labor market, and household supply shortages |
| 11/15/2020 | High Wind | - | None |
| 8/27/2020 | Flash Flood | - | None |
| 1/12/2020 | Flood | - | None |
| 11/1/2019 | Flood | - | None |
| 10/15/2019 | Flood | - | None |
| 10/27/2019 | Flood | - | None |
| 9/21/2018 | Lightning | - | None |
| 4/4/2018 | Blizzard | - | None |
| 7/20/2017 | Tornado | - | None |
| 3/8/2017 | High Wind | - | None |
| 9/9/2015 | Thunderstorm Wind | - | None |

Notes:

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

Hazard Ranking and Vulnerabilities

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

Hazard Ranking

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





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

During the review of the hazard/vulnerability risk ranking, the Town did not indicate any changes to the calculated risk ranking.

Table 9.25-12. Hazard Ranking Input

| Drought | Earthquake | Flood | Hazardous Materials | Invasive Species | Landslide | Mine Subsidence |
|----------|--------------|---------------------|---------------------|------------------|-----------------|-----------------|
| Low | Low | Low | High | Medium | Low | Low |
| Pandemic | Severe Storm | Severe Winter Storm | Wildfire | Terrorism | Utility Failure | |
| Medium | High | Medium | High | Low | High | |

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

Critical Facilities

The table below identifies critical facilities in the community located in the 1-percent and 0.2-percent floodplain.

Table 9.25-13. Potential Flood Losses to Critical Facilities

| Name | Type | Exposure | | Complies with NYS Standards | Addressed by Proposed Action |
|-----------|--------------------|----------|------------|-----------------------------|-------------------------------|
| | | 1% Event | 0.2% Event | | |
| Town Hall | Municipal Building | X | X | No | 2022- Town of Springwater-003 |

Identified Issues

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

- The Town Hall is in the special flood hazard area and is vulnerable to flooding.

9.25.8 Mitigation Strategy and Prioritization

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

Past Mitigation Initiative Status

The following table indicates progress on the community’s mitigation strategy identified in the 2015 HMP. Actions that are carried forward as part of this plan update are included in the following subsection in its own table with prioritization. Previous actions that are now on-going programs and capabilities are indicated as such in the following table and may also be found under ‘Capability Assessment’ presented previously in this annex.



Table 9.25-14. Status of Previous Mitigation Actions

| Project # | Project | Hazard(s) Addressed | Brief Summary of the Original Problem | Responsible Party | Status (In Progress, Ongoing, No Progress, Complete) | Evaluation of Success 1. Cost 2. Level of Protection 3. Damages Avoided; Evidence of Success | Next Steps 1. Project to be included in 2022 HMP or Discontinue 2. If including action in the 2022 HMP, revise/reword to be more specific (as appropriate). 3. If discontinue, explain why. |
|-----------|---|---------------------|---------------------------------------|--|--|--|--|
| TSW-1 | Armor and increase resiliency of road ditches with a greater than 4% slope. | All | None provided in the 2015 HMP | County and Town Highway | No Progress | 1. 2. 3. | 1. Discontinue 2. 3. Countywide action; Town will support as needed |
| TSW-2 | Enlarge and replace culvert pipes to the box culverts to allow for better flow capacity, and to reduce Town flooding concerns. | Flood | None provided in the 2015 HMP | Town Highway Department | No Progress | 1. 2. 3. | 1. Include in the 2022 HMP. 2. 3. |
| TSW-3 | Implement a routine stream and creek maintenance program to decrease debris, deposition, and other recurring streamway concerns. | Flood, Severe Storm | None provided in the 2015 HMP | Town Planning | Ongoing | 1. 2. 3. | 1. Discontinue 2. 3. Ongoing capability |
| TSW-4 | Develop a coordinated watershed inspection program for the entire County. Currently, only Conesus Lake has one. A county-wide program would study all watersheds and municipal water supplies, and create a fair, uniform, and systematic set of standards. | All | None provided in the 2015 HMP | County Health Department | No Progress | 1. 2. 3. | 1. Discontinue 2. 3. Countywide action; Town will support as needed |
| TSW-5 | Prepare a “master emergency response plan” for each town to coordinate activities of all emergency response agencies in the event of a disaster. These town-wide plans should be closely integrated with the County Emergency Response Plan, emergency response plans for school districts, and emergency response plans for individual facilities such as hospitals, clinics, and nursing homes. | All | None provided in the 2015 HMP | County EMS | No Progress | 1. 2. 3. | 1. Discontinue 2. 3. Countywide action; Town will support as needed |
| TSW-6 | Support community programs to assist elderly and vulnerable populations during utility failures. Encourage residents to check on elderly and other vulnerable neighbors. | All | None provided in the 2015 HMP | County Office for the Aging | No Progress | 1. 2. 3. | 1. Discontinue 2. 3. Countywide action; Town will support as needed |
| TSW-7 | Create a coordinated ditch stabilization program for the southern part of the County, specifically the Towns of Mount Morris, Groveland, Conesus, Springwater, Sparta, West Sparta, North Dansville, Ossian, Nunda, and Portage. The higher relief in these towns makes this program a priority. | Flood | None provided in the 2015 HMP | County and Municipal Highway Departments | No Progress | 1. 2. 3. | 1. Discontinue 2. 3. Countywide action; Town will support as needed |



| Project # | Project | Hazard(s) Addressed | Brief Summary of the Original Problem | Responsible Party | Status (In Progress, Ongoing, No Progress, Complete) | Evaluation of Success 1. Cost 2. Level of Protection 3. Damages Avoided; Evidence of Success | Next Steps 1. Project to be included in 2022 HMP or Discontinue 2. If including action in the 2022 HMP, revise/reword to be more specific (as appropriate). 3. If discontinue, explain why. |
|-----------|--|---|---------------------------------------|--|--|---|---|
| TSW-8 | Line some streambanks, especially those in the southern part of the County, with retaining walls for erosion control. | Flood | None provided in the 2015 HMP | County and Municipal Highway Departments | No Progress | 1. 2. 3. | 1. Discontinue 2. 3. Countywide action; Town will support as needed |
| TSW-9 | Provide back-up power generators for: Highway Department/DPW Garages and related installations. | All | None provided in the 2015 HMP | Town Highway Department | No Progress | 1. 2. 3. | 1. Include in the 2022 HMP. 2. 3. |
| TSW-10 | Develop materials and conduct education and outreach to work with farmers to implement best management practices (BMP) to address stormwater runoff from fields. | Flood, Severe Storm | None provided in the 2015 HMP | County Planning Department | No Progress | 1. 2. 3. | 1. Discontinue 2. 3. Countywide action; Town will support as needed |
| TSW-11 | Conduct a hydrilla management analysis to determine whether chemical treatments or introduction of grass carp would be a more effective control measure. | Invasive Species | None provided in the 2015 HMP | County Planning Department | No Progress | 1. 2. 3. | 1. Discontinue 2. 3. Countywide action; Town will support as needed |
| TSW-12 | Implement hydrilla control measures to prevent further spread of the invasive species, and to eventually reduce its impact on the County's water systems. | Invasive Species | None provided in the 2015 HMP | County Planning Department | No Progress | 1. 2. 3. | 1. Discontinue 2. 3. Countywide action; Town will support as needed |
| TSW-13 | Support mitigation of vulnerable structures via retrofit (e.g., elevation, flood-proofing) or acquisition/relocation to protect them from future damage; repetitive loss and severe repetitive loss properties should be a priority, when applicable. | Flood, Severe Storm, Wildfire, Winter Storm | None provided in the 2015 HMP | Town Engineering | No Progress | 1. 2. 3. | 1. Discontinue 2. 3. Generic action. The Town will develop actions to mitigate specific structures in the future. |
| TSW-14 | Assess and prioritize feasible non-structural flood hazard mitigation alternatives for at-risk properties within the floodplain (including those that have been identified as repetitive loss) such as acquisition/relocation, or elevation. Parameters for feasibility for this initiative would include the following: funding, benefits versus costs, and willing participation of property owners. Implement as funding becomes available. | Flood, Severe Storm, Wildfire, Winter Storm | None provided in the 2015 HMP | Town Engineering | No Progress | 1. 2. 3. | 1. Discontinue 2. 3. Generic action. The Town will develop actions to mitigate specific structures in the future. |
| TSW-15 | Develop and implement an enhanced all-hazards, public outreach / education / mitigation information program on natural hazard risks, and what can be done in the way | All Hazards | None provided in the 2015 HMP | Supervisor's Office | No Progress | 1. 2. 3. | 1. Include in the 2022 HMP 2. 3. |



| Project # | Project | Hazard(s) Addressed | Brief Summary of the Original Problem | Responsible Party | Status (In Progress, Ongoing, No Progress, Complete) | Evaluation of Success 1. Cost 2. Level of Protection 3. Damages Avoided; Evidence of Success | Next Steps 1. Project to be included in 2022 HMP or Discontinue 2. If including action in the 2022 HMP, revise/reword to be more specific (as appropriate). 3. If discontinue, explain why. |
|-----------|--|--|---------------------------------------|--------------------|--|---|---|
| | of mitigation and preparedness, including flood insurance. | | | | | | |
| TSW-16 | Maintain compliance with and good-standing in the NFIP including adoption and enforcement of floodplain management requirements (e.g., regulating all new and substantially improved construction in special-hazard flood areas), floodplain identification and mapping, and flood insurance outreach to the community. Further meet and/or exceed minimum NFIP standards and criteria through NFIP-related continued compliance actions identified in subsequent initiatives. | Flood | None provided in the 2015 HMP | NFIP FPA | Ongoing | 1. 2. 3. | 1. Discontinue 2. 3. Ongoing capability |
| TSW-17 | Support and participate in county-led initiatives intended to build local and regional mitigation and risk-reduction capabilities (see Section 9.1). | All Hazards | None provided in the 2015 HMP | County Departments | No Progress | 1. 2. 3. | 1. Discontinue 2. 3. Countywide action; Town will support as needed |
| TSW-18 | Begin the process to promote or adopt higher regulatory and zoning standards to manage flood hazard risk; specifically through the following: | Flood | None provided in the 2015 HMP | NFIP FPA | No Progress | 1. 2. 3. | 1. Include in the 2022 HMP. 2. Action to update the Flood Damage Prevention Ordinance; planning to update zoning ordinance and comprehensive plan 3. |
| TSW-19 | Develop and implement a post-event damage assessment program. | Flood; Severe Storm; Severe Winter Storm | None provided in the 2015 HMP | Engineering | Ongoing | 1. 2. 3. | 1. Discontinue 2. 3. Ongoing county capability |
| TSW-20 | Support participation in the NFIP Community Rating System (CRS) program by attending CRS workshop(s) if offered within the County. Join the CRS program if adequate resources to support long-term participation can be dedicated. See following related Community Assistance Visit (CAV) initiative. | Flood | None provided in the 2015 HMP | NFIP FPA | No Progress | 1. 2. 3. | 1. Discontinue 2. 3. NFIP policy base does not support administrative requirements of participation. |
| TSW-21 | Determine if a Community Assistance Visit (CAV) or Community Assistance Contact (CAC) is needed, and schedule if needed. This is a part of the process of joining CRS (above initiative). | Flood | None provided in the 2015 HMP | NFIP FPA | No Progress | 1. 2. 3. | 1. Discontinue 2. 3. Part of previous action. |



| Project # | Project | Hazard(s) Addressed | Brief Summary of the Original Problem | Responsible Party | Status (In Progress, Ongoing, No Progress, Complete) | Evaluation of Success 1. Cost 2. Level of Protection 3. Damages Avoided; Evidence of Success | Next Steps 1. Project to be included in 2022 HMP or Discontinue 2. If including action in the 2022 HMP, revise/reword to be more specific (as appropriate). 3. If discontinue, explain why. |
|-----------|--|--------------------------------------|---------------------------------------|------------------------|--|---|---|
| TSW-22 | Designate an NFIP Floodplain Administrator (FPA) and other local officials who would benefit, to become a Certified Floodplain Manager (CFM) through the Association of State Floodplain Managers (ASFPM) and New York State Stormwater and Floodplain Managers Association (NYSSFMA), and pursue relevant continuing education training such as FEMA Benefit-Cost Analysis (BCA) and Substantial Damage Estimation (SDE). | Flood | None provided in the 2015 HMP | NFIP FPA | Ongoing | 1. 2. 3. | 1. Include in the 2022 HMP. 2. Action to ensure FPA is trained. 3. |
| TSW-23 | Develop and maintain mapping of all natural hazard risk areas in the Town, FEMA-delineated or otherwise, to support land use decision making (e.g., Planning Board, site plan review process,). | Flood, Wildfire | None provided in the 2015 HMP | Engineering Department | Ongoing | 1. 2. 3. | 1. Discontinue 2. 3. Completed as part of the HMP update |
| TSW-24 | Work with County and power companies to identify roads within the Town considered "critical" that would be the first priority for clearing after an event involving downed power lines. | Severe Storm; Severe Winter Storm | None provided in the 2015 HMP | Engineering Department | Ongoing | 1. 2. 3. | 1. Discontinue 2. 3. Ongoing capability |
| TSW-25 | Enhance or expand tree maintenance program and coordinate with utility companies. | Severe Storm; Severe Winter Storm | None provided in the 2015 HMP | Engineering Department | Ongoing | 1. 2. 3. | 1. Discontinue 2. 3. Ongoing capability |
| TSW-26 | Work with utility companies and developers to bury utility lines underground, wherever possible. | Severe Storm; Severe Winter Storm | None provided in the 2015 HMP | Engineering Department | Ongoing | 1. 2. 3. | 1. Include in the 2022 HMP. 2. 3. |



Completed Mitigation Initiatives Not Identified in the Previous Mitigation Strategy

The Town of Springwater has not identified any mitigation projects/activities that have been completed but were not identified in the previous mitigation strategy in the 2015 HMP.

Proposed Hazard Mitigation Initiatives for the HMP Update

The Town of Springwater participated in a mitigation action workshop in September 2021 and was provided the following FEMA publications to use as a resource as part of their comprehensive review of all possible activities and mitigation measures to address their hazards: FEMA 551 ‘Selecting Appropriate Mitigation Measures for Floodprone Structures’ (March 2007) and FEMA ‘Mitigation Ideas – A Resource for Reducing Risk to Natural Hazards’ (January 2013).

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

Table 9.25-15. Analysis of Mitigation Actions by Hazard and Category

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

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

Table 9.25-16 summarizes the comprehensive range of specific mitigation initiatives the Town of Springwater would like to pursue in the future to reduce the effects of hazards. Some of these initiatives may be previous actions carried forward for this plan update. These initiatives are dependent upon available funding (grants and local match availability) and may be modified or omitted at any time based on the occurrence of new hazard events and changes in municipal priorities. Both the four FEMA mitigation action categories and the six CRS mitigation action categories are listed in the table below to further demonstrate the wide range of activities and mitigation measures selected.

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



Table 9.25-16. Proposed Hazard Mitigation Initiatives

| Project Number | Mitigation Initiative Name | Description of Problem and Solution | Critical Facility (Yes/No) | EHP Issues | Hazard(s) to be Mitigated | Goals Met | Estimated Timeline | Lead and Support Agencies | Potential Funding Sources | Estimated Benefits | Estimated Costs | Priority | Mitigation Category | CRS Category |
|--------------------------------|--|--|----------------------------|------------|---------------------------|-----------|--------------------|-------------------------------|--|---|-----------------|----------|---------------------|--------------|
| 2022-Town of Springwater-001 | Update Flood Damage Prevention Ordinance | Problem: The town lacks an updated flood damage prevention ordinance. Solution: The town will adopt an updated flood damage prevention ordinance to meet state and federal NFIP standards. | No | No | Flood | 2 | Within 6 months | NFIP Floodplain Administrator | Town Budget | Meeting state and federal standards | Staff time | High | LPR | PR |
| 2022- Town of Springwater -002 | NFIP Administrator Training | Problem: The floodplain administrator for the town is in need of training on current NFIP requirements in the State. Solution: The floodplain administrator will review the list of upcoming trainings on the NYSDEC website and sign up to attend. | No | No | Flood | 3 | Within 1 year | NFIP Floodplain Administrator | Town Budget | Increase education and training on floods in the town | Staff time | High | LPR | PR |
| 2022- Town of Springwater -003 | Protect Town Hall from Flooding | Problem: Town Hall is in the Special Flood Hazard Area and is exposed to the flood hazard. Solution: The Town will conduct an engineering analysis determine best methods to protect Town Hall from flooding. The Town Engineer will implement appropriate mitigation measures. | Yes 💧 | No | Flood | 1, 2 | Within 3 years | Engineer | FEMA HMGP, BRIC, USDA Community Facilities Grant Program, EMPG | Ensure continuity of operations at this critical facility | High | High | SIP | PP |



| Project Number | Mitigation Initiative Name | Description of Problem and Solution | Critical Facility (Yes/No) | EHP Issues | Hazard(s) to be Mitigated | Goals Met | Estimated Timeline | Lead and Support Agencies | Potential Funding Sources | Estimated Benefits | Estimated Costs | Priority | Mitigation Category | CRS Category |
|--------------------------------|---------------------------------|--|----------------------------|------------|--|-----------|--------------------|---------------------------|--|--|-----------------|----------|---------------------|--------------|
| 2022- Town of Springwater -004 | Upgrade Culverts | Problem: Culverts throughout the Town are undersized and need to be upgraded. Solution: The Town will assess the culverts in the Town to determine which need to be upgraded, will develop designs to replace the culverts with ones of adequate size, as applicable. | No | No | Flood; Severe Storm | 1, 2 | Within 3 years | Highway | CHIPS; BRIC; HMGP; Staff time; Town budget | Reduced damage to culverts and roadways; roads remain passable during storm events | High | High | SIP | PP |
| 2022- Town of Springwater -005 | Highway Department Backup Power | Problem: Highway operations at the Garage/DPW building cannot continue without power. Solution: Purchase and install a backup power generator. | Yes | No | Severe Storm, Severe Winter Storm, Utility Failure | 1, 2 | Within 1 year | Supervisor, Engineer | Town budget; HMGP | Continued highway operations during and after an emergency | \$50K | High | SIP | PP |
| 2022- Town of Springwater -006 | Public Outreach Campaign | Problem: Residents may be unaware of the steps they can take to protect their homes and property. Solution: Develop and implement an enhanced all-hazards, public outreach/ education/mitigation information program on natural hazard risks and what they can do in the way of mitigation and preparedness, including flood insurance. | No | No | All Hazards | 3 | Within 1 year | Supervisor | Staff Time | Less reliance on emergency response organizations | Low | High | EAP | PI |



| Project Number | Mitigation Initiative Name | Description of Problem and Solution | Critical Facility (Yes/No) | EHP Issues | Hazard(s) to be Mitigated | Goals Met | Estimated Timeline | Lead and Support Agencies | Potential Funding Sources | Estimated Benefits | Estimated Costs | Priority | Mitigation Category | CRS Category |
|--------------------------------|----------------------------|--|----------------------------|------------|--|-----------|--------------------|---------------------------|---------------------------|--|-----------------|----------|---------------------|--------------|
| 2022- Town of Springwater -007 | Bury Power Lines | <p>Problem: Overhead power lines can be damaged by falling debris and ice accumulation, causing power outages.</p> <p>Solution: Work with utility companies and developers to bury utility lines underground, wherever possible.</p> | No | No | Severe Storm, Severe Winter Storm, Utility Failure | 1 | Within 1 year | Engineer | Staff Time; HMGP; BRIC | Power service is maintained during emergencies | High | Med. | SIP | PP |

Notes:

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

Acronyms and Abbreviations:

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

Potential FEMA HMA Funding Sources:

- FMA Flood Mitigation Assistance Grant Program
- HMGP Hazard Mitigation Grant Program
- BRIC Building Resilient Infrastructure and Communities Program

Timeline:

The time required for completion of the project upon implementation

Cost:

The estimated cost for implementation.

Benefits:

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

Critical Facility:

Yes Critical Facility located in 1% floodplain

Mitigation Category:

- Local Plans and Regulations (LPR) – These actions include government authorities, policies or codes that influence the way land and buildings are being developed and built.
- Structure and Infrastructure Project (SIP) - These actions involve modifying existing structures and infrastructure to protect them from a hazard or remove them from a hazard area. This could apply to public or private structures as well as critical facilities and infrastructure. This type of action also involves projects to construct manmade structures to reduce the impact of hazards.
- Natural Systems Protection (NSP) – These are actions that minimize damage and losses, and also preserve or restore the functions of natural systems.





- *Education and Awareness Programs (EAP)* – These are actions to inform and educate citizens, elected officials, and property owners about hazards and potential ways to mitigate them. These actions may also include participation in national programs, such as StormReady and Firewise Communities

CRS Category:

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

Table 9.25-17. Summary of Prioritization of Actions

| Project Number | Project Name | Life Safety | Property Protection | Cost-Effectiveness | Technical | Political | Legal | Fiscal | Environmental | Social | Administrative | Multi-Hazard | Timeline | Agency Champton | Other Community Objectives | Total | High / Medium / Low |
|--------------------------------|--|-------------|---------------------|--------------------|-----------|-----------|-------|--------|---------------|--------|----------------|--------------|----------|-----------------|----------------------------|-------|---------------------|
| 2022-Town of Springwater-001 | Update Flood Damage Prevention Ordinance | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 9 | High |
| 2022- Town of Springwater -002 | NFIP Administrator Training | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 9 | High |
| 2022- Town of Springwater -003 | Protect Town Hall from Flooding | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 11 | High |
| 2022- Town of Springwater -004 | Upgrade Culverts | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 10 | High |
| 2022- Town of Springwater -005 | Highway Department Backup Power | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 10 | High |
| 2022- Town of Springwater -006 | Public Outreach Campaign | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 9 | High |
| 2022- Town of Springwater -007 | Bury Power Lines | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 7 | Medium |

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



9.25.9 Action Worksheets

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

| Action Worksheet | | | |
|--|--|---|--|
| Project Name: | Protect Town Hall from Flooding | | |
| Project Number: | 2022- Town of Springwater -003 | | |
| Risk / Vulnerability | | | |
| Hazard(s) of Concern: | Flood | | |
| Description of the Problem: | Town Hall is in the Special Flood Hazard Area and is exposed to the flood hazard. | | |
| Action or Project Intended for Implementation | | | |
| Description of the Solution: | The Town will conduct an engineering analysis determine best methods to protect Town Hall from flooding. The Town Engineer will implement appropriate mitigation measures. | | |
| Is this project related to a Critical Facility? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Is this project related to a Critical Facility located within the Special Flood Hazard Area? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| (If yes, this project must intend to protect to the 500-year flood event or the actual worse case damage scenario, whichever is greater) | | | |
| Level of Protection: | 0.2% annual chance flood | Estimated Benefits (losses avoided): | Ensure continuity of operations at this critical facility |
| Useful Life: | 50 years | Goals Met: | 1,2 |
| Estimated Cost: | High | Mitigation Action Type: | Structural and Infrastructure Project |
| Plan for Implementation | | | |
| Prioritization: | High | Desired Timeframe for Implementation: | Within 3 years |
| Estimated Time Required for Project Implementation: | 2 years | Potential Funding Sources: | FEMA HMGP, BRIC, USDA Community Facilities Grant Program, EMPG |
| Responsible Organization: | Engineer | Local Planning Mechanisms to be Used in Implementation if any: | Capital Budget |
| Three Alternatives Considered (including No Action) | | | |
| Alternatives: | Action | Estimated Cost | Evaluation |
| | No Action | \$0 | Problem continues. |
| | Construct New Building | High | High cost; unknown if land is available |
| | Engineering analysis | High | Best option |
| Progress Report (for plan maintenance) | | | |
| Date of Status Report: | | | |
| Report of Progress: | | | |
| Update Evaluation of the Problem and/or Solution: | | | |



| Evaluation and Prioritization | | |
|--------------------------------|---------------------------------|---|
| Project Name: | Protect Town Hall from Flooding | |
| Project Number: | 2022- Town of Springwater -003 | |
| Criteria | Numeric Rank (-1, 0, 1) | Provide brief rationale for numeric rank when appropriate |
| Life Safety | 1 | |
| Property Protection | 1 | |
| Cost-Effectiveness | 1 | |
| Technical | 1 | |
| Political | 1 | |
| Legal | 1 | |
| Fiscal | 0 | |
| Environmental | 1 | |
| Social | 1 | |
| Administrative | 0 | |
| Multi-Hazard | 0 | |
| Timeline | 1 | |
| Agency Champion | 1 | |
| Other Community Objectives | 1 | |
| Total | 11 | |
| Priority (High/Med/Low) | High | |



| Action Worksheet | | | |
|--|--|---|--|
| Project Name: | Highway Department Backup Power | | |
| Project Number: | 2022- Town of Springwater -005 | | |
| Risk / Vulnerability | | | |
| Hazard(s) of Concern: | Severe Storm, Severe Winter Storm, Utility Failure | | |
| Description of the Problem: | Highway operations at the Garage/DPW building cannot continue without power. | | |
| Action or Project Intended for Implementation | | | |
| Description of the Solution: | Purchase and install a backup power generator. | | |
| Is this project related to a Critical Facility? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Is this project related to a Critical Facility located within the Special Flood Hazard Area? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | |
| (If yes, this project must intend to protect to the 500-year flood event or the actual worse case damage scenario, whichever is greater) | | | |
| Level of Protection: | TBD | Estimated Benefits (losses avoided): | Continued highway operations during and after an emergency |
| Useful Life: | 30 years | Goals Met: | 1,2 |
| Estimated Cost: | \$50K | Mitigation Action Type: | Structural and Infrastructure Project |
| Plan for Implementation | | | |
| Prioritization: | High | Desired Timeframe for Implementation: | Within 1 year |
| Estimated Time Required for Project Implementation: | 6 months | Potential Funding Sources: | Town budget; HMGP |
| Responsible Organization: | Supervisor | Local Planning Mechanisms to be Used in Implementation if any: | Capital Budget |
| Three Alternatives Considered (including No Action) | | | |
| Alternatives: | Action | Estimated Cost | Evaluation |
| | No Action | \$0 | Problem continues. |
| | Install solar panels | High | Unstable energy source |
| | Generator | High | Best option |
| Progress Report (for plan maintenance) | | | |
| Date of Status Report: | | | |
| Report of Progress: | | | |
| Update Evaluation of the Problem and/or Solution: | | | |



| Evaluation and Prioritization | | |
|--------------------------------|---------------------------------|---|
| Project Name: | Highway Department Backup Power | |
| Project Number: | 2022- Town of Springwater -005 | |
| Criteria | Numeric Rank (-1, 0, 1) | Provide brief rationale for numeric rank when appropriate |
| Life Safety | 0 | |
| Property Protection | 1 | |
| Cost-Effectiveness | 1 | |
| Technical | 1 | |
| Political | 1 | |
| Legal | 1 | |
| Fiscal | 0 | |
| Environmental | 0 | |
| Social | 0 | |
| Administrative | 1 | |
| Multi-Hazard | 1 | |
| Timeline | 1 | |
| Agency Champion | 1 | |
| Other Community Objectives | 1 | |
| Total | 10 | |
| Priority (High/Med/Low) | High | |



| Action Worksheet | | | |
|--|--|---|--|
| Project Name: | Bury Power Lines | | |
| Project Number: | 2022- Town of Springwater -007 | | |
| Risk / Vulnerability | | | |
| Hazard(s) of Concern: | Severe Storm, Severe Winter Storm, Utility Failure | | |
| Description of the Problem: | Overhead power lines can be damaged by falling debris and ice accumulation, causing power outages. | | |
| Action or Project Intended for Implementation | | | |
| Description of the Solution: | Work with utility companies and developers to bury utility lines underground, wherever possible. | | |
| Is this project related to a Critical Facility? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | |
| Is this project related to a Critical Facility located within the Special Flood Hazard Area? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | |
| (If yes, this project must intend to protect to the 500-year flood event or the actual worse case damage scenario, whichever is greater) | | | |
| Level of Protection: | TBD | Estimated Benefits (losses avoided): | Power service is maintained during emergencies |
| Useful Life: | 50 years | Goals Met: | 1 |
| Estimated Cost: | High | Mitigation Action Type: | Structural and Infrastructure Project |
| Plan for Implementation | | | |
| Prioritization: | Medium | Desired Timeframe for Implementation: | Within 1 year |
| Estimated Time Required for Project Implementation: | 6 months | Potential Funding Sources: | Staff time for analysis and outreach; HMGP and BRIC for project work |
| Responsible Organization: | Engineer | Local Planning Mechanisms to be Used in Implementation if any: | Capital Improvement |
| Three Alternatives Considered (including No Action) | | | |
| Alternatives: | Action | Estimated Cost | Evaluation |
| | No Action | \$0 | Problem continues. |
| | Install backup power at each facility | High | Cost prohibitive |
| | Bury utility lines | High | Most effective |
| Progress Report (for plan maintenance) | | | |
| Date of Status Report: | | | |
| Report of Progress: | | | |
| Update Evaluation of the Problem and/or Solution: | | | |



| Evaluation and Prioritization | | |
|--------------------------------|--------------------------------|---|
| Project Name: | Bury Power Lines | |
| Project Number: | 2022- Town of Springwater -007 | |
| Criteria | Numeric Rank (-1, 0, 1) | Provide brief rationale for numeric rank when appropriate |
| Life Safety | 0 | |
| Property Protection | 1 | |
| Cost-Effectiveness | 0 | |
| Technical | 1 | |
| Political | 1 | |
| Legal | 1 | |
| Fiscal | 0 | |
| Environmental | 0 | |
| Social | 0 | |
| Administrative | 1 | |
| Multi-Hazard | 1 | |
| Timeline | 0 | |
| Agency Champion | 0 | |
| Other Community Objectives | 1 | |
| Total | 7 | |
| Priority (High/Med/Low) | Medium | |