



## 14. TOWN OF DARIEN

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

### 14.1 HAZARD MITIGATION PLANNING TEAM

The Town of Darien identified primary and alternate HMP points of contact and developed this plan over the course of several months, with input from many Town departments. The Town Supervisor represented the community on the Genesee 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 14-1 summarizes Town officials who participated in the development of the annex and in what capacity. Additional documentation of the Town’s planning activities through Planning Partnership meetings is included in Volume I.

Table 14-1. Hazard Mitigation Planning Team

Primary Point of Contact	Alternate Point of Contact
Name/Title: Steve Ferry Jr., Town Supervisor Address: 10569 Alleghany Road Darien Center, NY 14040 Phone Number: 585-547-2274 ext. 1028 Email: supervisor@townofdarienny.com	Name/Title: Alice Calmes, Town Clerk Address: 10569 Alleghany Road Darien Center, NY 14040 Phone Number: 585-547-2274 ext. 1026 Email: townclerk@townofdarienny.com
<b>National Flood Insurance Program Floodplain Administrator</b>	
Name/Title: Jerome Yoder, Zoning/Code Enforcement Address: 10569 Alleghany Road Darien Center, NY 14040 Phone Number: 585-547-2274 ext. 1027 Email: zeo@townofdarienny.com	

### 14.2 COMMUNITY PROFILE

The Town of Darien is located in the southwest corner of Genesee County. The Town of Darien is bordered to the north by the Town of Pembroke, to the east by Alexander, to the south by Wyoming County, and to the east by Erie County. The Town has a total area of 47.6 square miles. Murder Creek flows through the Town. The Town includes the hamlets of Darien City, Darien Center, Fargo, Griswold, Lehigh, Longwood, and Sawyens.

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 2022 American Community Survey indicates that 5.6 percent of the population



is 5 years of age or younger, 21.5 percent is 65 years of age or older, 0 percent is non-English speaking, 1.3 percent is below the poverty threshold, and 15 percent is considered disabled.

### 14.3 JURISDICTIONAL CAPABILITY ASSESSMENT AND INTEGRATION

Darien 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 Darien to identify opportunities for integrating mitigation concepts into ongoing Town procedures.

#### 14.3.1 Planning and Regulatory Capability and Integration

Table 14-2 summarizes the planning and regulatory tools that are available to Darien.

Table 14-2. 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
<b>CODES, ORDINANCES, &amp; REGULATIONS</b>				
<b>Building Code</b>	Yes	Local Law 2, 2022 – NYS Uniform Fire Prevention and Building Code	State and Local	Zoning Enforcement Officer
How has or will this be integrated with the HMP and how does this reduce risk? This law serves to make updates to Local Law No. 2 of 2006, which 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 Town. This local law is adopted pursuant to section 10 of the Municipal Home Rule Law. Except as otherwise provided in the Uniform Code, the Energy 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 of this local law.				
<b>Zoning/Land Use Code</b>	Yes	Zoning Local Law, 2021	Local	Zoning Enforcement Officer
How has or will this be integrated with the HMP and how does this reduce risk?				



	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
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The purposes of the Zoning Law are to encourage the most appropriate use of land throughout the Town and to conserve the value of property, with due consideration for the character of the zones and their peculiar suitability for particular uses; all in accordance with a comprehensive plan designed to lessen congestion in the streets; to secure safety from fire, flood, panic, and other dangers; to promote health and the general welfare; to provide adequate light and air; to prevent the over-crowding of land, to avoid undue concentration of population, and to that end to regulate the height, design appearance, number of stories and size of buildings and other structures; the percentage of the area of the lot that may be occupied; the size of yards, courts, and other open space; the density of population, and the location and use of buildings, structures, and land for trade, industry, residence or other purposes; and the height, size and location of these uses within the limits of the Town.

<b>Subdivision Code</b>	Yes	The Town of Darien Land Subdivision Law	Local	Town Board
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How has or will this be integrated with the HMP and how does this reduce risk?  
 It is declared to be the policy of the Town Board to consider land subdivision plats as part of a plan for the orderly, efficient, and economical development of the town. This means, among other things, that land to be subdivided shall be of such character that it can be used safely, for building purposes without danger to health or peril from fire, flood, or other menace; that proper provision shall be made for drainage, water supply, sewerage, and other needed improvements; that all proposed lots shall, be so laid out and of such size as to be in harmony with the development pattern of the neighboring properties; that the proposed streets shall compose a convenient system conforming to the Official Map, if such exists, and shall be properly related to the proposals shown on the Master Plan, if such exists, and shall be of such width, grade, and location as to accommodate the prospective traffic, to facilitate fire protection, and to provide access of fire-fighting equipment to buildings; and that proper provision shall be made for open spaces for parks and playgrounds.

<b>Site Plan Code</b>	Yes	Zoning Law, Section 908	Local	Planning Board
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How has or will this be integrated with the HMP and how does this reduce risk?  
 The Planning Board, at a regular or special meeting, shall review and approve, approve with modifications, or disapprove a site plan in connection with any application for a zoning permit other than those for single family dwellings, those involving accessory uses, buildings and/or structures and those specified under Section 703 as not subject to Site Plan Review.

<b>Stormwater Management Code</b>	No	-	-	-
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How has or will this be integrated with the HMP and how does this reduce risk?

<b>Post-Disaster Recovery/ Reconstruction Code</b>	No	-	-	-
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How has or will this be integrated with the HMP and how does this reduce risk?

<b>Real Estate Disclosure Requirements</b>	Yes	Property Condition Disclosure Act, NY Code - Article 14 §460-467	State	NYS Department of State, Real Estate Agent
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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.

<b>Growth Management</b>	No	-	-	-
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How has or will this be integrated with the HMP and how does this reduce risk?

<b>Environmental Protection Ordinance(s)</b>	No	-	-	-
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How has or will this be integrated with the HMP and how does this reduce risk?



	Jurisdiction has this? (Yes/No)	Citation and Date (code chapter or name of plan, date of enactment or plan adoption)	Authority (local, county, state, federal)	Responsible Person, Department or Agency
<b>Flood Damage Prevention Ordinance</b> How has or will this be integrated with the HMP and how does this reduce risk? Promotes public health, safety, and general welfare, and to minimize public and private losses due to flood conditions in specific areas. A. Regulate uses which are dangerous to health, safety and property due to water or erosion hazards or which result in damaging increases in erosion or in flood heights or velocities. B. Require that uses vulnerable to floods, including facilities which serve such uses, be protected against flood damage at the time of initial construction. C. Control the alteration of natural floodplains, stream channels and natural protective barriers which are involved in the accommodation of floodwaters. D. Control filling, grading, dredging and other development which may increase erosion or flood damages. E. Regulate the construction of flood barriers which will unnaturally divert floodwaters, or which may increase flood hazards to other lands. F. Qualify for and maintain participation in the National Flood Insurance Program.	Yes	Flood Damage Prevention Ordinance, 1987	Federal, State, County and Local	Code Enforcement
<b>Wellhead Protection</b> How has or will this be integrated with the HMP and how does this reduce risk?	No	-	-	-
<b>Emergency Management Ordinance</b> How has or will this be integrated with the HMP and how does this reduce risk?	No	-	-	-
<b>Climate Change Ordinance</b> How has or will this be integrated with the HMP and how does this reduce risk?	No	-	-	-
<b>Other</b> How has or will this be integrated with the HMP and how does this reduce risk?	No	-	-	-
<b>PLANNING DOCUMENTS</b>				
<b>General/Comprehensive Plan</b> How has or will this be integrated with the HMP and how does this reduce risk? The Town of Darien's previous Comprehensive Plan was produced in 1970. This plan, although providing insight into the past conditions of the Town, is outdated. Currently the Town, through its Planning Board, has updated the plan in order to provide a tool to effectuate change in the community. The need for the Comprehensive Plan has been further intensified by the adoption of the Genesee County Smart Growth Plan, the New York State Department of Transportation's ongoing Route 63 Corridor Study, and the needs and desires of the citizens of Darien. The Comprehensive Plan presented herein is only an initial step in guiding future development in the Town of Darien. As a general guide, it must be supplemented at an early date by more specific and detailed proposals within the framework, which it establishes. As Darien continues to grow, the need for specific studies will become more readily apparent.	Yes	Comprehensive Plan, 2005	Local	Town Board
<b>Capital Improvement Plan</b> How has or will this be integrated with the HMP and how does this reduce risk? The Highway Department annually compiles a list of equipment needs and projects it would like to purchase and/or accomplish. This list is reviewed by the Town Board.	Yes	Highway Equipment Plan	Local	Town Board
<b>Disaster Debris Management Plan</b> How has or will this be integrated with the HMP and how does this reduce risk?	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
<b>Floodplain Management or Watershed Plan</b> How has or will this be integrated with the HMP and how does this reduce risk?	No	-	-	-
<b>Stormwater Management Plan</b> How has or will this be integrated with the HMP and how does this reduce risk?	No	-	-	-
<b>Open Space Plan</b> How has or will this be integrated with the HMP and how does this reduce risk?	No	-	-	-
<b>Urban Water Management Plan</b> How has or will this be integrated with the HMP and how does this reduce risk?	No	-	-	-
<b>Habitat Conservation Plan</b> How has or will this be integrated with the HMP and how does this reduce risk?	No	-	-	-
<b>Economic Development Plan</b> How has or will this be integrated with the HMP and how does this reduce risk?	No	-	-	-
<b>Community Wildfire Protection Plan</b> How has or will this be integrated with the HMP and how does this reduce risk?	No	-	-	-
<b>Community Forest Management Plan</b> How has or will this be integrated with the HMP and how does this reduce risk?	No	-	-	-
<b>Transportation Plan</b> How has or will this be integrated with the HMP and how does this reduce risk?	No	-	-	-
<b>Agriculture Plan</b> How has or will this be integrated with the HMP and how does this reduce risk?	No	-	-	-
<b>Climate Action/ Resilience/Sustainability Plan</b> How has or will this be integrated with the HMP and how does this reduce risk?	No	-	-	-
<b>Tourism Plan</b> How has or will this be integrated with the HMP and how does this reduce risk?	No	-	-	-
<b>Business/ Downtown Development Plan</b> How has or will this be integrated with the HMP and how does this reduce risk?	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
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<b>Other</b>	No	-	-	-
How has or will this be integrated with the HMP and how does this reduce risk?				

**RESPONSE/RECOVERY PLANNING**

<b>Comprehensive Emergency Management Plan</b>	Yes	Comprehensive Emergency Management Plan	Local	Town Board
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How has or will this be integrated with the HMP and how does this reduce risk?  
 The CEMP defines the scope of preparedness and emergency management activities necessary. This document assigns responsibility to organizations and individuals for carrying out specific actions that exceed routine responsibility at projected times and places during an emergency; sets lines of authority and organizational relationships and shows how all actions will be coordinated; identifies how people and property are protected; and identifies personnel, equipment, facilities, supplies, and other resources available within the jurisdiction or by agreement with other jurisdictions.

<b>Continuity of Operations Plan</b>	Yes	Comprehensive Emergency Management Plan	Local	Town Board
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How has or will this be integrated with the HMP and how does this reduce risk?  
 The purpose of the Continuity of Operations (COOP) plan is to establish policy and guidance to ensure that essential functions for an agency are continued in the event that manmade, natural, or technological emergencies disrupt or threaten to disrupt normal operations.

<b>Substantial Damage Response Plan</b>	No	-	-	-
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How has or will this be integrated with the HMP and how does this reduce risk?

<b>Threat and Hazard Identification and Risk Assessment</b>	No	-	-	-
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How has or will this be integrated with the HMP and how does this reduce risk?

<b>Post-Disaster Recovery Plan</b>	No	-	-	-
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How has or will this be integrated with the HMP and how does this reduce risk?

<b>Public Health Plan</b>	Yes	Pandemic Plan, 2021	Local	Town Board
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How has or will this be integrated with the HMP and how does this reduce risk?  
 Following the start of the COVID-19 pandemic, the Town Board approved a Pandemic Plan which outlined initiatives and actions for the Town to take in order to remain safe and operational during a pandemic.

<b>Other</b>	No	-	-	-
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How has or will this be integrated with the HMP and how does this reduce risk?

**14.3.2 Development and Permitting Capability**

Table 14-3 summarizes the capabilities of Darien to oversee and track development.



Table 14-3. Development and Permitting Capability

	Yes/No	Comment
Do you issue development permits? <ul style="list-style-type: none"> <li>If you issue development permits, what department is responsible?</li> <li>If you do not issue development permits, what is your process for tracking new development?</li> </ul>	Yes	Zoning/Code Enforcement
Are permits tracked by hazard area? (For example, floodplain development permits.)	No	-
Do you have a buildable land inventory? <ul style="list-style-type: none"> <li>If you have a buildable land inventory, please describe</li> </ul>	No	-
Describe the level of buildout in your jurisdiction.	N/A	Under developed or vacant lands account for approximately 4,880 acres or 15.9% of the land area in Darien. This "vacant" land can be expected to be available for development provided there are no environmental or other constraints to building.

### 14.3.3 Administrative and Technical Capability

Table 14-4 summarizes potential staff and personnel resources available to Darien and their current responsibilities that contribute to hazard mitigation.

Table 14-4. Administrative and Technical Capabilities

Resources	Available? (Yes/No)	Comment (available staff, responsibilities, support of hazard mitigation)
<b>ADMINISTRATIVE CAPABILITY</b>		
Planning Board	Yes	The Planning Board conducts site plan reviews, reviews use variances, and grants permits for temporary uses and structures.
Zoning Board of Adjustment	Yes	The Zoning Board of Appeals shall hear and decide appeals from and review any order, requirement, decision, interpretation or determination made by the Code Enforcement Officer.
Planning Department	No	-
Mitigation Planning Committee	No	-
Environmental Board/Commission	No	-
Open Space Board/Committee	No	-
Economic Development Commission/Committee	No	-
Public Works/Highway Department	Yes	The Highway Department is responsible for maintenance of town roads. Maintenance activities include culvert pipes and roadside drainage; plowing and salting; maintenance of trees and brush in rights of way; mowing of roadsides; sweeping roads and intersections; maintenance of Highway vehicles, buildings, and equipment.



Resources	Available? (Yes/No)	Comment (available staff, responsibilities, support of hazard mitigation)
Construction/Building/Code Enforcement Department	Yes	The Zoning & Code Officer is responsible for performing a variety of technical duties in support of the Town's local code enforcement program. This includes responsibilities such as monitoring and enforcing a variety of applicable ordinances, codes, and regulations related to zoning, land use, nuisance housing, building codes, health and safety, blight, graffiti, water waste, and other matters of public concern; and serves as a resource and provides information on Town regulations to property owners, residents, businesses, the general public, and other Town departments and divisions.
Emergency Management/Public Safety Department	No	-
Maintenance programs to reduce risk (stormwater maintenance, tree trimming, etc.)	Yes	The Highway Department is responsible for maintenance of town roads. Maintenance activities include culvert pipes and roadside drainage; plowing and salting; maintenance of trees and brush in rights of way; mowing of roadsides; sweeping roads and intersections; maintenance of Highway vehicles, buildings, and equipment.
Mutual aid agreements	Yes	Highway Shared Service Agreements
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	-
<b>TECHNICAL/STAFFING CAPABILITY</b>		
Planners or engineers with knowledge of land development and land management practices	Yes	Town Board
Engineers or professionals trained in building or infrastructure construction practices	Yes	Town Board
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	No	-
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	No	-
Grant writers	No	-



Resources	Available? (Yes/No)	Comment (available staff, responsibilities, support of hazard mitigation)
Resilience Officer	No	-
Other (this could include stormwater engineer, environmental specialist, etc.)	No	-

### 14.3.4 Fiscal Capability

Table 14-5 summarizes financial resources available to Darien.

Table 14-5. Fiscal Capabilities

Financial Resources	Accessible or Eligible to Use? (Yes/No)
Community Development Block Grants (CDBG, CDBG-DR)	Yes
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	Yes
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	Yes
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

### 14.3.5 Education and Outreach Capability

Table 14-6 summarizes the education and outreach resources available to Darien.

Table 14-6. Education and Outreach Capabilities

Outreach Resources	Available? (Yes/No)	Comment
Public information officer or communications office	No	-
Personnel skilled or trained in website development	Yes	Administrative staff can make updates to website.
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	-



Outreach Resources	Available? (Yes/No)	Comment
Organizations that conduct outreach to socially vulnerable populations and underserved populations	No	-
Public outreach mechanisms / programs to inform citizens on natural hazards, risk, and ways to protect themselves during such events	No	-

### 14.3.6 Community Classifications

Table 14-7 summarizes classifications for community programs available to Darien.

Table 14-7. Community Classifications

Program	Participating? (Yes/No)	Classification	Date Classified
Community Rating System (CRS)	No	-	-
Building Code Effectiveness Grading Schedule (BCEGS)	Yes	03	1/26/2024
Public Protection (ISO Fire Protection Classes 1 to 10)	Yes	03	1/26/2024
National Weather Service StormReady Certification	No	-	-
Firewise Communities classification	No	-	-
New York State Climate Smart Communities	No	-	-
Other: Organizations with mitigation focus (advocacy group, non-government)	No	-	-

N/A = Not applicable

— = Unavailable

### 14.3.7 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 14-8 summarizes the adaptive capacity for each identified hazard of concern and the Town’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 14-8. Adaptive Capacity

Hazard	Adaptive Capacity - Strong/Moderate/Weak
Civil Unrest	Moderate
Dam Failure	Moderate
Drought	Moderate
Earthquake	Moderate
Epidemic	Weak



Hazard	Adaptive Capacity - Strong/Moderate/Weak
Extreme Temperature	Weak
Flood	Moderate
Hazardous Materials	Moderate
Severe Storm	Strong
Severe Winter Storm	Strong
Terrorism	Moderate
Transportation Accidents	Strong
Utility Interruption	Strong
Wildfire	Moderate

## 14.4 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 14-1 is responsible for maintaining this information.

### 14.4.1 NFIP Statistics

Table 14-9 summarizes the NFIP policy and claim statistics for Darien.

Table 14-9. Darien NFIP Summary of Policy and Claim Statistics

# of Losses	0
# Claims Paid	0
Total Net Payment	\$0
# Repetitive Loss Properties	0
# Severe Repetitive Loss Properties	0

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

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

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

Source: FEMA 2025

Note: FEMA was only able to provide aggregate Repetitive Loss Claim Data to support this Hazard Mitigation Plan update.

### 14.4.2 Flood Vulnerability Summary

Table 14-10 provides a summary of the NFIP program in Darien.



Table 14-10. NFIP Summary

NFIP Topic	Comments
<b>Flood Vulnerability Summary</b>	
Describe areas prone to flooding in your jurisdiction.	None- low lying areas have not been developed
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?	No, there have been no requests
How many homeowners and/or business owners are interested in mitigation (elevation or acquisition)?	There have been no requests
Are any RiskMAP projects currently underway in your jurisdiction? If so, state what projects are underway.	None
How do you make Substantial Damage determinations?	Act 20/45 Rapid form building assessment.
How many Substantial Damage determinations were declared for recent flood events in your jurisdiction?	None
How many properties have been mitigated (elevation or acquisition) in your jurisdiction? If there are mitigation properties, how were the projects funded?	None
Do your flood hazard maps adequately address the flood risk within your jurisdiction? If not, state why.	Yes
<b>NFIP Compliance</b>	
What local department is responsible for floodplain management?	Zoning Office
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? 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)	Assist with DEC/Army COE Floodplain application. Permit review, GIS map review, Building Permit inspections
How do you determine if proposed development on an existing structure would qualify as a substantial improvement?	Reference EBC Chapter 6/Reference also: 503.2
What are the barriers to running an effective NFIP program in the community, if any?	Staffing – lack of need
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)?	CAC: February 20, 2018 CAV: Not applicable
What is the local law number or municipal code of your flood damage prevention ordinance?	Flood Damage Prevention Ordinance



NFIP Topic	Comments
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?	Yes, Meets
Are there other local ordinances, plans or programs (e.g., site plan review) that support floodplain management and meeting the NFIP requirements? For instance, does the planning board or zoning board consider efforts to reduce flood risk when reviewing variances such as height restrictions?	Site Plan Review, Special Use Permitting, GIS/Firm Maps
Does your community plan to join the CRS program or is your community interested in improving your CRS classification?	No

## 14.5 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 14-11 through Table 14-13.

Table 14-11. 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
<b>2016</b>				
Total Permits	4	0	0	4
Permits within SFHA	0	0	0	0
<b>2017</b>				
Total Permits	5	0	0	5
Permits within SFHA	0	0	0	0
<b>2018</b>				
Total Permits	3	0	0	3
Permits within SFHA	0	0	0	0
<b>2019</b>				
Total Permits	1	0	0	1
Permits within SFHA	0	0	0	0
<b>2020</b>				
Total Permits	8	0	0	8
Permits within SFHA	0	0	0	0
<b>2021</b>				
Total Permits	7	0	0	7
Permits within SFHA	0	0	0	0
<b>2022</b>				
Total Permits	2	0	0	2



	New Construction Permits Issued			
	Single Family	Multi-Family	Other (commercial, mixed-use, etc.)	Total
Permits within SFHA	0	0	0	0
<b>2023</b>				
Total Permits	-	-	-	-
Permits within SFHA	-	-	-	-
<b>2024</b>				
Total Permits	-	-	-	-
Permits within SFHA	-	-	-	-

SFHA = Special Flood Hazard Area (1% flood event)  
 “-“ = Permitting information was not available during this plan update.

Table 14-12. Recent Major Development and Infrastructure from 2016 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
Water District 8	Infrastructure	N/A	Darien Alexander Townline Road	N/A	Complete
Water District 11	Infrastructure	N/A	Walker Road	N/A	Complete

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

Table 14-13. 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
Sewer Transmission line to Corfu	Infrastructure	N/A	N/A	N/A	Sewer Transmission line to Corfu is under construction to discontinue Sewer Processing at Darien plant and operate under an IMA agreement with Village of Corfu

## 14.6 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 Darien’s risk assessment results and data used to determine the hazard ranking. Key local risk assessment information is presented below.



### 14.6.1 Hazard Area

Hazard area maps provided below illustrate the probable hazard areas impacted within the Town are shown in Figure 14-1 through Figure 14-2. These maps are based on the best available data at the time of the preparation of this plan and are adequate for planning purposes. Maps are provided only for hazards that can be identified clearly using mapping techniques and technologies and for which Darien has significant exposure. The maps show the location of potential new development, where available.

Figure 14-1. Darien Hazard Area Extent and Location Map 1

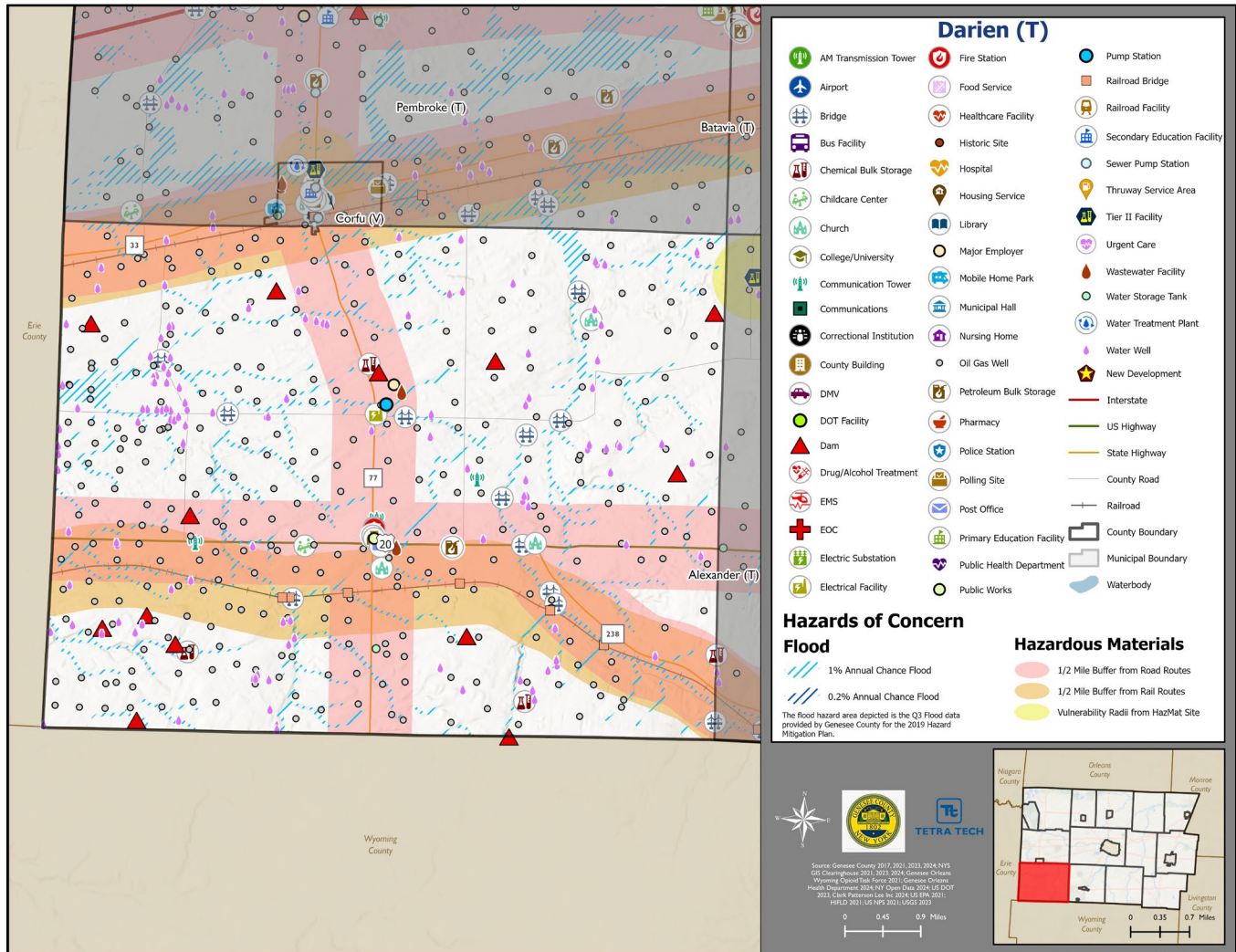
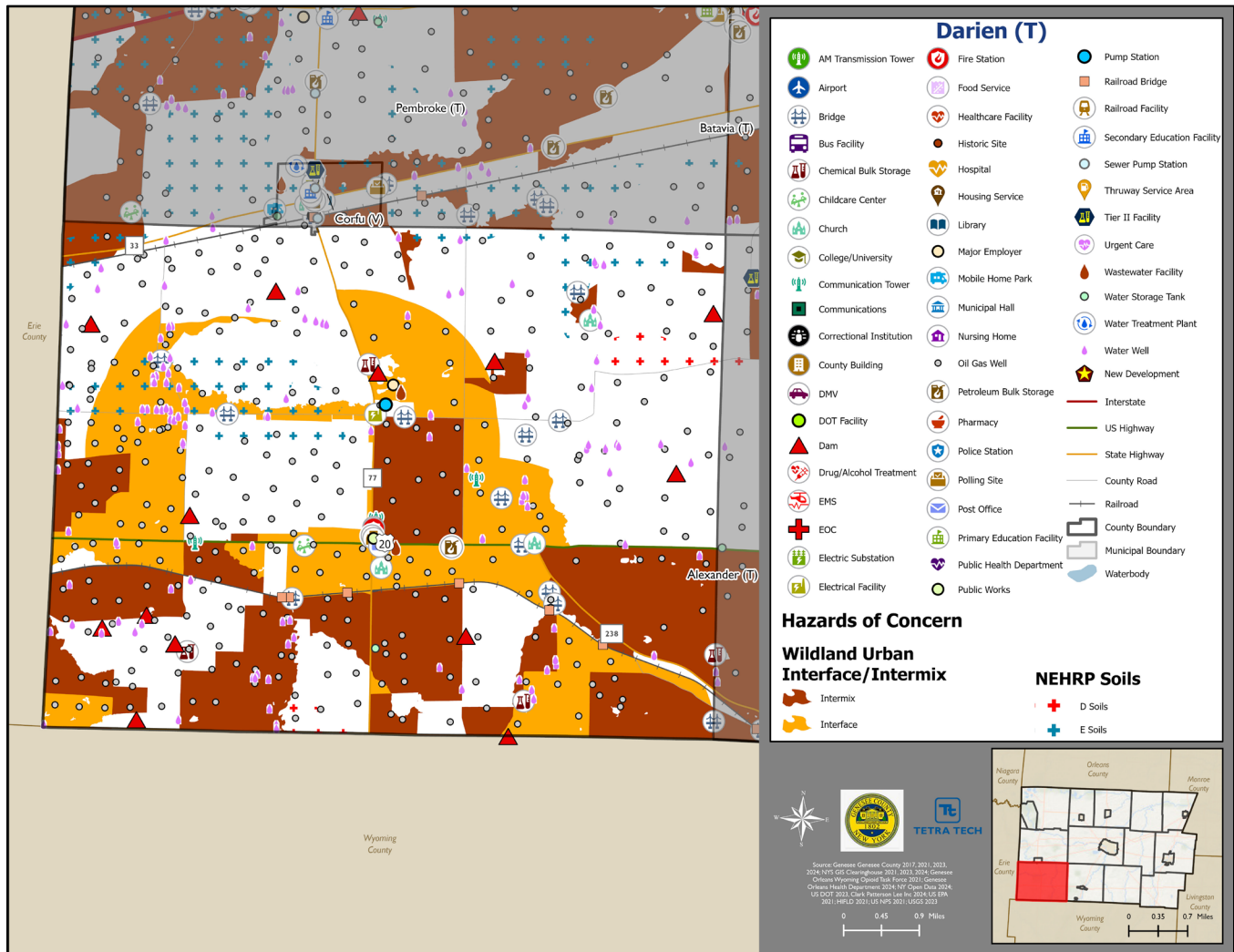


Figure 14-2. Darien Hazard Area Extent and Location Map 2





### 14.6.2 Hazard Event History

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

Table 14-14. Hazard Event History in Darien

Dates of Event	Event Type (Disaster Declaration)	County Designated?	Summary of Event	Summary of Damage and Losses in Darien
February 15-16, 2016	N/A	N/A	Heavy snow accumulations occurred in Central New York, with portions of Genesee County reporting up to 14 inches of snow.	The Town did not incur any documented damages or losses.
March 8, 2017	N/A	N/A	Strong winds caused widespread power outages in Genesee County. Trees and power lines were downed. Power poles were snapped. The strong winds derailed a train in Batavia (Genesee County). Twelve out of thirty-one freight cars were blown off the tracks. 76-mile per hour winds were recorded in Genesee County. Minor injuries were reported to drivers in Alexander. Winds damaged several buildings.	The Town did not incur any documented damages or losses.
January 30-31, 2019	N/A	N/A	Extreme cold temperatures were recorded in Genesee County, combined with wind gusts of between 35 to 50 miles per hour, wind chills dropped to as low as -26 degrees Fahrenheit.	The Town did not incur any documented damages or losses.
January 20, 2020 - May 11, 2023	DR-4480-NY and EM-3434-NY, Biological	Yes	The coronavirus pandemic resulted in roughly 19,956 positive cases and the deaths of 211 County residents as of August 20, 2024.	The Town abided by social distancing, mask mandates, and work from home orders.
November 18, 2022 – November 21, 2022	EM-3589-NY, Winter Storm	Yes	A lake effect storm occurred and dropped multiple feet of snow in western New York.	The Town reported damages totaling to \$75,749.
December 23, 2022 – December 28, 2022	DR-4694-NY and EM-3590-NY, Winter Storm	Yes	A historic lake effect blizzard occurred northeast of Lake Erie and Lake Ontario during the Christmas holiday weekend. The combination of high winds in excess of 70 mph and heavy lake effect snow resulted in devastating impacts across western New York.	The Town reported damages totaling to \$43,428.



Dates of Event	Event Type (Disaster Declaration)	County Designated?	Summary of Event	Summary of Damage and Losses in Darien
July 10, 2024	N/A	N/A	The remnants of Tropical Storm Beryl impacted the County through the production of severe thunderstorms, heavy rains, strong winds, downed trees and power lines, and a confirmed EF-0 tornado in the Towns of Darien and Alexander.	The Town did not incur any documented damages or losses.
July 15, 2024	N/A	N/A	Strong thunderstorm developed and produced strong winds, heavy rain, and hail resulting in downed trees and power lines. The storms also produced an EF-0 tornado in the Town of Pavilion and flooded roadways, including NYS Route 5 where five feet of water accumulated at a railroad overpass in Le Roy.	The Town did not incur any documented damages or losses.

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

### 14.6.3 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 Darien.

#### 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. Darien 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 Town indicated the following:

- The Town decreased its Civil Unrest hazard ranking from ‘Low’ to ‘No Risk’ as it does not have a large population or sites which an event would be likely to occur.
- The Town has decreased its Earthquake hazard ranking from ‘Low’ to ‘No Risk’ as there are minimal NEHRP soils in the jurisdiction and based on the lack of historical events.
- The Town has decreased its Flood hazard ranking from ‘Medium’ to ‘Low’ as low-lying areas have not been developed, therefore flood impacts are minimal.
- The Town decreased its Terrorism hazard ranking from ‘Low’ to ‘No Risk’ as it does not have locations likely to be targeted for such an event to occur.
- The Town decreased its Transportation Accidents hazard ranking from ‘High’ to ‘Medium’ as only three major roads and one railway traverse through the jurisdiction.



Table 14-15 shows Darien’s final hazard rankings for identified hazards of concern. Mitigation action development uses the ranking to target hazards with the highest risk.

Table 14-15. Hazard Ranking

Hazard	Rank
Civil Unrest	No Risk
Dam Failure	Medium
Drought	Medium
Earthquake	No Risk
Epidemic	Medium
Extreme Temperature	Medium
Flood	Low
Hazardous Materials	Medium
Severe Storm	High
Severe Winter Storm	High
Terrorism	No Risk
Transportation Accidents	Medium
Utility Interruption	High
Wildfire	Medium

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

### Critical Facilities

Table 14-16 identifies critical facilities in the community located in the 1 percent and 0.2 percent annual chance floodplains.

Table 14-16. Critical Facilities Flood Vulnerability

Name	Type	Vulnerability		Addressed by Proposed Action	Already Protected to 0.2% Flood Level (describe protections)
		1% Event	0.2% Event		
Beal 1	Oil Gas Well	X	X	2025-DarienT-01	-
Bontrager 1	Oil Gas Well	X	X	2025-DarienT-01	-
Bosse 1	Oil Gas Well	X	X	2025-DarienT-01	-
Burkhardt 1	Oil Gas Well	X	X	2025-DarienT-01	-
Capwell 1	Oil Gas Well	X	X	2025-DarienT-01	-
Crooked Creek	Bridge	X	X	2025-DarienT-02	-
Darien Lake SP 1A (Jones 1)	Oil Gas Well	X	X	2025-DarienT-01	-
Darien Lake State Park 13	Oil Gas Well	X	X	2025-DarienT-01	-
Darien Lake State Park Dam	Dam	X	X	2025-DarienT-03	-



Name	Type	Vulnerability		Addressed by Proposed Action	Already Protected to 0.2% Flood Level (describe protections)
		1% Event	0.2% Event		
Darien Lift Station	Sewer Pump Station	X	X	2025-DarienT-01	-
De Muth	Oil Gas Well	X	X	2025-DarienT-01	-
Elevenmile Creek	Bridge	X	X	2025-DarienT-02	-
Elevenmile Creek	Bridge	X	X	2025-DarienT-02	-
Elevenmile Creek	Railroad Bridge	X	X	2025-DarienT-02	-
Ellicott Creek	Bridge	X	X	2025-DarienT-02	-
Fargo U1	Oil Gas Well	X	X	2025-DarienT-01	-
Feitshans 2	Oil Gas Well	X	X	2025-DarienT-01	-
Gordon 1	Oil Gas Well	X	X	2025-DarienT-01	-
Gromlovits 1	Oil Gas Well	X	X	2025-DarienT-01	-
Hersee 2	Oil Gas Well	X	X	2025-DarienT-01	-
Hersee 5	Oil Gas Well	X	X	2025-DarienT-01	-
Knauber, F. 1	Oil Gas Well	X	X	2025-DarienT-01	-
Kubik Wildlife Dam	Dam	X	X	2025-DarienT-03	-
Kurnik Pond Dam	Dam	X	X	2025-DarienT-03	-
Murder Creek	Bridge	X	X	2025-DarienT-02	-
Murder Creek	Bridge	X	X	2025-DarienT-02	-
Murder Creek	Bridge	X	X	2025-DarienT-02	-
Murder Creek	Bridge	X	X	2025-DarienT-02	-
Murder Creek	Bridge	X	X	2025-DarienT-02	-
Murder Creek	Bridge	X	X	2025-DarienT-02	-
Murder Creek	Bridge	X	X	2025-DarienT-02	-
Noack, J. 1	Oil Gas Well	X	X	2025-DarienT-01	-
None	Railroad Bridge	X	X	2025-DarienT-02	-
None	Railroad Bridge	X	X	2025-DarienT-02	-
None	Railroad Bridge	X	X	2025-DarienT-02	-
Our Lady Of Good Counsel R C Church	Church	X	X	2025-DarienT-01	-
Ross, N. 1	Oil Gas Well	X	X	2025-DarienT-01	-
Rothfuss 1	Oil Gas Well	X	X	2025-DarienT-01	-
Thering 1	Oil Gas Well	X	X	2025-DarienT-01	-
Thering 1	Oil Gas Well	X	X	2025-DarienT-01	-
Tuchols Wildlife Pond Dam #2	Dam	X	X	2025-DarienT-03	-
Water Pump Station	Pump Station	X	X	2025-DarienT-01	-
Weber	Oil Gas Well	X	X	2025-DarienT-01	-
Well	Water Well	X	X	2025-DarienT-01	-
Well	Water Well	X	X	2025-DarienT-01	-



Name	Type	Vulnerability		Addressed by Proposed Action	Already Protected to 0.2% Flood Level (describe protections)
		1% Event	0.2% Event		
Well	Water Well	X	X	2025-DarienT-01	-
Wessel, K. 1	Oil Gas Well	X	X	2025-DarienT-01	-
Whitman	Oil Gas Well	X	X	2025-DarienT-01	-
Zoladz 1	Oil Gas Well	X	X	2025-DarienT-01	-

Source: Genesee County 2017, 2021, 2023, 2024; NYS GIS Clearinghouse 2021, 2023, 2024; Genesee Orleans Wyoming Opioid Task Force 2021; Genesee Orleans Health Department 2024; NY Open Data 2024; US DOT 2023, Clark Patterson Lee Inc 2024; US EPA 2021; HIFLD 2021; US NPS 2021; USGS 2023

### 14.6.4 Identified Issues

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

- Critical facilities need to be protected to the 500-year flood level. There are several facilities located in the Town identified to be in the flood hazard area:
  - Sewer Pump Stations
  - Churches
  - Pump Stations
  - Water Wells
  - Oil Gas Wells

Refer to Table 14-16 for the full list of vulnerable critical facilities.

- Scour on bridges can develop due to erosion. Erosion may occur due to waters impacting the bridge’s structure during severe winter storms and severe storms when the precipitation causes the water movements to be more erratic. Rising waters may cause flooding conditions to further erode the structure of the bridge. The following bridges in the jurisdiction should be evaluated to determine useability and to identify potential solutions, as necessary:
  - Crooked Creek Bridge
  - Elevenmile Creek Bridges
  - Ellicott Creek Bridge
  - Murder Creek Bridges
  - Railroad Bridges
- The Town has nine low-hazard dams and four intermediate hazard dams within its jurisdiction. Despite not being high hazard dams, these structures have the potential to impact the people, property, infrastructure, and environment nearby.
- The current flood damage prevention ordinance does not include the 2-foot mandated NYS freeboard requirements. While the existing ordinance may be compliant with NFIP requirements, State requirements which exceed NFIP requirements must be adhered to.
- The Town faces risk from epidemic but does not have a comprehensive education and outreach program to educate residents and businesses about hazard mitigation, preparation, response, and recovery utilizing



a variety of outreach methods. The Town does not currently have hazard mitigation information and outreach on the Town website.

- The Town may be impacted by drought, as potable water wells could become depleted by unnecessary use. Drought puts a strain on agriculture, recreational use, and daily use of water. The Town does not have a water conservation ordinance to encourage and support water conservation efforts. Extreme temperatures may enhance the impacts of drought by causing the rapid evaporation of moisture from potable wells and floral and fauna.
- The Town has three major roads which traverse through the jurisdiction, US Route 20 and NYS Routes 77, 238, and 33. Transportation accidents are apt to occur on these roadways more than local roads. Further, hazardous materials may be transported on the major roadways or via rail.
- Floodplain managers require training. Those responsible for floodplain management are lacking in their knowledge of required duties. Training is sorely needed for all municipal officials and for code enforcement officials in charge of municipalities. Very little zoning precludes homeowners from building in floodplains, leading to problems later.
- The Town faces risk from wildfires but does not have a comprehensive education and outreach program to educate residents and businesses about hazard mitigation, preparation, response, and recovery utilizing a variety of outreach methods. The Town does not currently have hazard mitigation information and outreach on the Town website.
- The Town of Darien Town Hall is protected from power loss by a diesel backup generator. While the generator is still functional, it is becoming outdated and requires a backup supply of diesel fuel. The Town Hall is a backup sheltering location.
- The Town of Darien experiences utility interruption during severe storm events. While the town and utility providers clear trees along roadways and rights of way, trees have not been cleared in areas where utility lines cross lots. When falling trees or branches knock down utility lines in these areas, restoring power is difficult, particularly during the rainy season when mud prevents heavy equipment from being used.

## 14.7 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.

### 14.7.1 Past Mitigation Action Status

Table 14-17 indicates progress on the Town's mitigation strategy identified in the 2019 HMP. Actions that are still recommended but not completed or that are in progress are carried forward and combined with new actions as part of the mitigation strategy for this plan update. Previous actions that are now ongoing programs and capabilities are indicated as such and are presented in the capability assessment earlier in this annex.

### 14.7.2 Additional Mitigation Efforts

Darien did not identify any additional mitigation efforts completed since the last HMP.



Table 14-17. Status of Previous Mitigation Actions

Project Number	Project Name	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 2025 HMP or Discontinue 2. If including action in the 2025 HMP, revise/reword to be more specific (as appropriate). 3. If discontinue, explain why.
T. Darien-1	Tree trimming along utility lines away from roadways	Highway Dept, Utility providers	The Town of Darien experiences utility interruption during severe storm events. While the town and utility providers clear trees along roadways and rights of way, trees have not been cleared in areas where utility lines cross lots. When falling trees or branches knock down utility lines in these areas, restoring power is difficult, particularly during the rainy season when mud prevents heavy equipment from being used.	1. No Progress 2. Town prioritized other projects	1. Include 2. Not applicable 3. Not applicable
T. Darien-2	Replace diesel generator at Town Hall with natural gas generator	Supervisor	The Town of Darien Town Hall is protected from power loss by a diesel backup generator. While the generator is still functional, it is becoming outdated and requires a backup supply of diesel fuel. The Town Hall is a backup sheltering location	1. No Progress 2. Financial constraints	1. Include 2. Not applicable 3. Not applicable
T. Darien-3	Encourage owner of the 31037031030000-Weber Gas Well to protect to the 500-year flood level.	Floodplain administrator, facilities manager	The facility is in the 100-year floodplain. The town does not have jurisdiction over the facility and cannot mitigate themselves.	1. No Progress 2. Town prioritized other projects	1. Include 2. Not applicable 3. Not applicable



Project Number	Project Name	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 2025 HMP or Discontinue 2. If including action in the 2025 HMP, revise/reword to be more specific (as appropriate). 3. If discontinue, explain why.
T. Darien-4	Encourage owner of the 31037031040000-Whitman Gas Well to protect to the 500-year flood level.	Floodplain administrator, facilities manager	The facility is in the 100-year floodplain. The town does not have jurisdiction over the facility and cannot mitigate themselves.	1. No Progress 2. Town prioritized other projects	1. Include 2. Not applicable 3. Not applicable
T. Darien-5	Encourage owner of the 31037072810000-Shaffer 2 Gas Well to protect to the 500-year flood level.	Floodplain administrator, facilities manager	The facility is in the 100-year floodplain. The town does not have jurisdiction over the facility and cannot mitigate themselves.	1. No Progress 2. Town prioritized other projects	1. Include 2. Not applicable 3. Not applicable
T. Darien-6	Encourage owner of the 31037116220000-Beal 1 Gas Well to protect to the 500-year flood level.	Floodplain administrator, facilities manager	The facility is in the 100-year floodplain. The town does not have jurisdiction over the facility and cannot mitigate themselves.	1. No Progress 2. Town prioritized other projects	1. Include 2. Not applicable 3. Not applicable
T. Darien-7	Encourage owner of the 31037139170000-Burkhardt 1 Gas Well to protect to the 500-year flood level.	Floodplain administrator, facilities manager	The facility is in the 100-year floodplain. The town does not have jurisdiction over the facility and cannot mitigate themselves.	1. No Progress 2. Town prioritized other projects	1. Include 2. Not applicable 3. Not applicable
T. Darien-8	Encourage owner of the 31037158960000-Darien Lake State Park 1 Gas Well to protect to the 500-year flood level.	Floodplain administrator, facilities manager	The facility is in the 100-year floodplain. The town does not have jurisdiction over the facility and cannot mitigate themselves.	1. No Progress 2. Town prioritized other projects	1. Include 2. Not applicable 3. Not applicable



Project Number	Project Name	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 2025 HMP or Discontinue 2. If including action in the 2025 HMP, revise/reword to be more specific (as appropriate). 3. If discontinue, explain why.
T. Darien-9	Encourage owner of the 31037175000000-Bontrager 1 Gas Well to protect to the 500-year flood level.	Floodplain administrator, facilities manager	The facility is in the 100-year floodplain. The town does not have jurisdiction over the facility and cannot mitigate themselves.	1. No Progress 2. Town prioritized other projects	1. Include 2. Not applicable 3. Not applicable
T. Darien-10	Encourage owner of the 31037175850000-Hersee 5 Gas Well to protect to the 500-year flood level.	Floodplain administrator, facilities manager	The facility is in the 100-year floodplain. The town does not have jurisdiction over the facility and cannot mitigate themselves.	1. No Progress 2. Town prioritized other projects	1. Include 2. Not applicable 3. Not applicable
T. Darien-11	Encourage owner of the 31037195330000-Gordon 1 Gas Well to protect to the 500-year flood level.	Floodplain administrator, facilities manager	The facility is in the 100-year floodplain. The town does not have jurisdiction over the facility and cannot mitigate themselves.	1. No Progress 2. Town prioritized other projects	1. Include 2. Not applicable 3. Not applicable
T. Darien-12	Encourage owner of the 31037196710000-Feitshans 2 Gas Well to protect to the 500-year flood level.	Floodplain administrator, facilities manager	The facility is in the 100-year floodplain. The town does not have jurisdiction over the facility and cannot mitigate themselves.	1. No Progress 2. Town prioritized other projects	1. Include 2. Not applicable 3. Not applicable
T. Darien-13	Encourage owner of the 31037196800000-Noack, J. 1 Gas Well to protect to the 500-year flood level.	Floodplain administrator, facilities manager	The facility is in the 100-year floodplain. The town does not have jurisdiction over the facility and cannot mitigate themselves.	1. No Progress 2. Town prioritized other projects	1. Include 2. Not applicable 3. Not applicable



Project Number	Project Name	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 2025 HMP or Discontinue 2. If including action in the 2025 HMP, revise/reword to be more specific (as appropriate). 3. If discontinue, explain why.
T. Darien-14	Encourage owner of the 31037206410000-Wessel, K. 1 Gas Well to protect to the 500-year flood level	Floodplain administrator, facilities manager	The facility is in the 100-year floodplain. The town does not have jurisdiction over the facility and cannot mitigate themselves.	1. No Progress 2. Town prioritized other projects	1. Include 2. Not applicable 3. Not applicable
T. Darien-15	Encourage owner of the 31037239040000-Ross, N. 1 Gas Well to protect to the 500-year flood level.	Floodplain administrator, facilities manager	The facility is in the 100-year floodplain. The town does not have jurisdiction over the facility and cannot mitigate themselves.	1. No Progress 2. Town prioritized other projects	1. Include 2. Not applicable 3. Not applicable
T. Darien-16	Encourage owner of the 31037239140000-Bosse 1 Gas Well to protect to the 500-year flood level.	Floodplain administrator, facilities manager	The facility is in the 100-year floodplain. The town does not have jurisdiction over the facility and cannot mitigate themselves.	1. No Progress 2. Town prioritized other projects	1. Include 2. Not applicable 3. Not applicable
T. Darien-17	Encourage owner of the 31037239610000-Thering 1 Gas Well to protect to the 500-year flood level.	Floodplain administrator, facilities manager	The facility is in the 100-year floodplain. The town does not have jurisdiction over the facility and cannot mitigate themselves.	1. No Progress 2. Town prioritized other projects	1. Include 2. Not applicable 3. Not applicable
T. Darien-18	Encourage owner of the 31037239990000-Knauber, F. 1 Gas Well to protect to the 500-year flood level.	Floodplain administrator, facilities manager	The facility is in the 100-year floodplain. The town does not have jurisdiction over the facility and cannot mitigate themselves.	1. No Progress 2. Town prioritized other projects	1. Include 2. Not applicable 3. Not applicable



Project Number	Project Name	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 2025 HMP or Discontinue 2. If including action in the 2025 HMP, revise/reword to be more specific (as appropriate). 3. If discontinue, explain why.
T. Darien-19	Encourage owner of the 31037260460000-Zoladz 1 Gas Well to protect to the 500-year flood level.	Floodplain administrator, facilities manager	The facility is in the 100-year floodplain. The town does not have jurisdiction over the facility and cannot mitigate themselves.	1. No Progress 2. Town prioritized other projects	1. Include 2. Not applicable 3. Not applicable
T. Darien-20	Encourage owner of the 31037260630000-Burkhardt 1 Gas Well to protect to the 500-year flood level.	Floodplain administrator, facilities manager	The facility is in the 100-year floodplain. The town does not have jurisdiction over the facility and cannot mitigate themselves.	1. No Progress 2. Town prioritized other projects	1. Include 2. Not applicable 3. Not applicable
T. Darien-21	Create a new flood damage prevention ordinance which includes freeboard.	Floodplain administrator	The town lacks a stand-alone flood damage prevention ordinance.	1. No Progress 2. Town prioritized other projects	1. Include 2. Not applicable 3. Not applicable
T. Darien-22	Training for Floodplain Administrator.	Floodplain administrator	The Town's Floodplain Administrator requires training.	1. No Progress 2. Town prioritized other projects	1. Include 2. Not applicable 3. Not applicable



### 14.7.3 Proposed Hazard Mitigation Actions for the HMP Update

Darien 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 Darien 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 Town priorities.

Table 14-18 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 14-19 provides a summary of the prioritization of all proposed mitigation actions for the HMP update.



Table 14-18. 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
Civil Unrest										
Dam Failure	X	X			X					X
Drought	X				X					
Earthquake										
Epidemic				X			X			
Extreme Temperature	X	X			X					X
Flood	X	X		X			X		X	X
Hazardous Materials	X									X
Severe Storm	X	X			X					X
Severe Winter Storm	X	X			X					X
Terrorism										
Transportation Accidents	X									X
Utility Interruption	X	X			X					X
Wildfire		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 14-19. 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-DarienT-01	Critical Facility Protection	1	1	1	1	1	1	0	1	1	1	0	1	1	0	11	High
2025-DarienT-02	Bridge Evaluations	1	1	1	1	0	0	1	1	1	1	1	1	1	0	11	High
2025-DarienT-03	Dam Owner Partnership	1	1	1	1	1	1	0	1	1	0	1	1	1	0	11	High
2025-DarienT-04	Flood Damage Prevention Ordinance Update	1	1	1	1	1	1	1	1	1	1	1	1	0	0	12	High
2025-DarienT-05	Epidemic Education and Outreach	1	1	1	1	1	1	0	1	1	0	1	1	0	1	11	High
2025-DarienT-06	Water Conservation Ordinance	1	1	1	1	1	1	1	1	1	1	1	1	1	0	13	High
2025-DarienT-07	Transportation Plan	1	1	1	1	1	0	1	1	1	1	1	1	1	1	13	High
2025-DarienT-08	Floodplain Management Training	1	1	1	1	1	0	1	1	1	1	1	1	1	1	13	High
2025-DarienT-09	Wildfire Education and Outreach	1	1	1	1	1	1	0	1	1	0	1	1	0	1	11	High
2025-DarienT-10	Town Hall Generator	1	0	1	1	1	0	0	1	1	1	1	1	1	1	11	High
2025-DarienT-11	Tree Maintenance	1	1	1	1	1	1	1	0	1	1	1	1	0	1	12	High

Note: Volume I, Section 22 (Mitigation Strategy) conveys guidance on prioritizing mitigation actions. Low (0-6), Medium (7-10), High (11-14).



Action 2025-DarienT-01. Critical Facility Protection

Lead Agency:	Critical Facility Owners and Managers	
Supporting Agencies:	Town Board	
Hazard(s) of Concern:	<input type="checkbox"/> Civil Unrest <input type="checkbox"/> Dam Failure <input type="checkbox"/> Drought <input type="checkbox"/> Earthquake <input type="checkbox"/> Epidemic <input type="checkbox"/> Extreme Temperature <input checked="" type="checkbox"/> Flood	<input type="checkbox"/> Hazardous Materials <input type="checkbox"/> Severe Storm <input type="checkbox"/> Severe Winter Storm <input type="checkbox"/> Terrorism <input type="checkbox"/> Transportation Accidents <input type="checkbox"/> Utility Interruption <input type="checkbox"/> Wildfire
Description of the Problem:	Critical facilities need to be protected to the 500-year flood level. There are numerous facilities including those listed in Table 14-16.	
Description of the Solution:	<p>The Town will notify the critical facility owners and managers of the facility's location in the flood hazard area. The Town will encourage each facility to conduct a feasibility assessment to determine what additional floodproofing measures are needed at the critical facilities to protect them to the 500-year flood level. Options include:</p> <ul style="list-style-type: none"> <li>• Elevation of facility</li> <li>• Floodproofing of facility</li> <li>• Mobile flood barriers</li> </ul> <p>Once the most cost-effective option is identified, the facility owner or manager will carry out the option.</p>	
Estimated Cost:	Medium	
Potential Funding Sources:	FEMA HMA, USDA Community Facilities Grant Program, Emergency Management Performance Grants (EMPG) Program, Town Budget	
Implementation Timeline:	Within 5 Years	
Goals Met:	1, 3, 5	
Benefits:	Ensures continuity of operations of several critical facilities in the Town.	
Impact on Socially Vulnerable Populations:	Protection of critical facilities provides an opportunity for first responders and emergency managers to maintain critical services that socially vulnerable populations rely on.	
Impact on Future Development:	The risk of significant damage occurring to the structure will be reduced, which will allow critical operations to be maintained or only briefly interrupted in severe events. This provides continued support to both current and future development in the service area.	
Impact on Critical Facilities/Lifelines:	This action will protect critical facilities, maintaining the critical services that it provides.	
Impact on Capabilities:	This action improves continuity of operations during a flood event, allows for a more rapid return to pre-disaster capabilities after a flood event, and faster deployment of post disaster capabilities.	
Climate Change Considerations:	This action addresses anticipated increases in flooding frequency and severity through protection to the 500-year (0.2-percent annual chance) flood level.	
Mitigation Category	<input type="checkbox"/> Local Plans and Regulations (LPR) <input checked="" type="checkbox"/> Structure and Infrastructure Project (SIP)	<input type="checkbox"/> Natural Systems Protection (NSP) <input type="checkbox"/> Education and Awareness Programs (EAP)
CRS Category	<input type="checkbox"/> Preventative Measures (PR) <input type="checkbox"/> Property Protection (PP) <input type="checkbox"/> Public Information (PI)	<input type="checkbox"/> Natural Resource Protection (NR) <input checked="" type="checkbox"/> Structural Flood Control Projects (SP) <input type="checkbox"/> Emergency Services (ES)
Priority	<input checked="" type="checkbox"/> High	<input type="checkbox"/> Medium
Alternatives:	<b>Action</b>	
	No Action	
	Relocate facility	Evaluation
	Establish plans to enter into MOU with neighboring critical facilities to provide service during flood events	Current problem exists Relocation is expensive and results in loss or delay of critical services in the immediate area Reduction in response times and delay of critical services in the immediate area.



Action 2025-DarienT-02. Bridge Evaluations

Lead Agency:	Highway Department		
Supporting Agencies:	Genesee County Engineering, Genesee County Public Works, NYS DOT		
Hazard(s) of Concern:	<input type="checkbox"/> Civil Unrest <input type="checkbox"/> Dam Failure <input type="checkbox"/> Drought <input type="checkbox"/> Earthquake <input type="checkbox"/> Epidemic <input type="checkbox"/> Extreme Temperature <input checked="" type="checkbox"/> Flood <input type="checkbox"/> Hazardous Materials <input checked="" type="checkbox"/> Severe Storm <input checked="" type="checkbox"/> Severe Winter Storm <input type="checkbox"/> Terrorism <input type="checkbox"/> Transportation Accidents <input type="checkbox"/> Utility Interruption <input type="checkbox"/> Wildfire		
Description of the Problem:	<p>Scour on bridges can develop due to erosion. Erosion may occur due to waters impacting the bridge's structure during severe winter storms and severe storms when the precipitation causes the water movements to be more erratic. Rising waters may cause flooding conditions to further erode the structure of the bridge. The following bridges in the jurisdiction should be evaluated to determine useability and to identify potential solutions, as necessary:</p> <ul style="list-style-type: none"> <li>• Crooked Creek Bridge</li> <li>• Elevenmile Creek Bridges</li> <li>• Ellicott Creek Bridge</li> <li>• Murder Creek Bridges</li> <li>• Railroad Bridges</li> </ul>		
Description of the Solution:	<p>The Highway Department will work with Genesee County Engineering and Public Works to evaluate each bridge to determine its current usability. The evaluation will indicate whether the County will need to replace or retrofit the identified bridges and causeways. This evaluation should be performed in partnership and/or with feedback from NYS DOT as necessary.</p>		
Estimated Cost:	Medium		
Potential Funding Sources:	FEMA HMA, County Budget, BRIDGENY		
Implementation Timeline:	Within 5 years		
Goals Met:	2		
Benefits:	This action will ensure the bridges in the jurisdiction are structurally sound to continue in operation.		
Impact on Socially Vulnerable Populations:	Not applicable		
Impact on Future Development:	This action strengthens the transportation lifeline, which may encourage new development in the area.		
Impact on Critical Facilities/Lifelines:	This action will ensure transportation routes remain open and accessible to the public for daily use and evacuation needs; the bridges provide a point of access for first responders into communities that may have faced damage from a hazard event on either side of the bridges.		
Impact on Capabilities:	This action ensures useability and reliability of bridges which are an essential transportation lifeline.		
Climate Change Considerations:	Climate change is likely to increase the intensity and frequency of many climate related disaster events. This action will work to ensure the structure of the bridges are impervious to erosion at their base due to rising water levels.		
Mitigation Category	<input checked="" type="checkbox"/> Local Plans and Regulations (LPR) <input type="checkbox"/> Structure and Infrastructure Project (SIP)		<input type="checkbox"/> Natural Systems Protection (NSP) <input type="checkbox"/> Education and Awareness Programs (EAP)
CRS Category	<input checked="" type="checkbox"/> Preventative Measures (PR) <input type="checkbox"/> Property Protection (PP) <input type="checkbox"/> Public Information (PI)		<input type="checkbox"/> Natural Resource Protection (NR) <input type="checkbox"/> Structural Flood Control Projects (SP) <input type="checkbox"/> Emergency Services (ES)
Priority	<input checked="" type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low
Alternatives:	Action		Evaluation
	No Action		Current problem exists
	Remove bridges		May cause significant traffic problems
	Replace bridges		Cost prohibitive



Action 2025-DarienT-03. Dam Owner Partnership

Lead Agency:	Town Board	
Supporting Agencies:	NYS DEC, Dam Owners	
Hazard(s) of Concern:	<input type="checkbox"/> Civil Unrest <input checked="" type="checkbox"/> Dam Failure <input type="checkbox"/> Drought <input type="checkbox"/> Earthquake <input type="checkbox"/> Epidemic <input type="checkbox"/> Extreme Temperature <input type="checkbox"/> Flood	<input type="checkbox"/> Hazardous Materials <input type="checkbox"/> Severe Storm <input type="checkbox"/> Severe Winter Storm <input type="checkbox"/> Terrorism <input type="checkbox"/> Transportation Accidents <input type="checkbox"/> Utility Interruption <input type="checkbox"/> Wildfire
Description of the Problem:	The Town has nine low-hazard dams and four intermediate hazard dams within its jurisdiction. Despite not being high hazard dams, these structures have the potential to impact the people, property, infrastructure, and environment nearby.	
Description of the Solution:	The Town will work with the owners of the dams to ensure inspections and safety procedures are up to date. If cost-effective mitigation measures or retrofit options are identified that can increase the level of safety and length of useful life, the Dam Owner will pursue funding support, permit approval from NYS DEC, and implement the cost-effective measures.	
Estimated Cost:	Low	
Potential Funding Sources:	Town Budget	
Implementation Timeline:	Within 5 years	
Goals Met:	2, 5	
Benefits:	This action will improve the safety and security of those who live near the dams and increase the resilience of responding agencies.	
Impact on Socially Vulnerable Populations:	The action will result in better preparedness for those living near areas where the dams are located.	
Impact on Future Development:	Future development near the dams will be more secure as safety procedures and inspections are regularly performed on the dams.	
Impact on Critical Facilities/Lifelines:	Dams are considered a critical facility. This action will create an understanding of the safety procedures in place for each identified dam and strengthen the structural integrity of dam, as needed.	
Impact on Capabilities:	This action will improve planning and response capabilities through the understanding of responsibilities and procedures.	
Climate Change Considerations:	Climate change may result in an increase in the frequency and severity of weather-related disaster events, which may contribute to the likelihood of a dam failure event. This action will increase the capabilities to respond to these events.	
Mitigation Category	<input checked="" type="checkbox"/> Local Plans and Regulations (LPR) <input type="checkbox"/> Structure and Infrastructure Project (SIP)	<input type="checkbox"/> Natural Systems Protection (NSP) <input type="checkbox"/> Education and Awareness Programs (EAP)
CRS Category	<input checked="" type="checkbox"/> Preventative Measures (PR) <input type="checkbox"/> Property Protection (PP) <input type="checkbox"/> Public Information (PI)	<input type="checkbox"/> Natural Resource Protection (NR) <input type="checkbox"/> Structural Flood Control Projects (SP) <input type="checkbox"/> Emergency Services (ES)
Priority	<input checked="" type="checkbox"/> High	<input type="checkbox"/> Medium <input type="checkbox"/> Low
Alternatives:	Action	Evaluation
	No Action	Town will be unaware of any safety concerns for the dam or its condition
	Utilize information from NYS DEC	Owners may not be required to submit a safety plan to the State
	Utilize information from the National Inventory of Dams	Not all dams are listed on the inventory



Action 2025-DarienT-04. Flood Damage Prevention Ordinance Update

Lead Agency:	Zoning & Code Officer		
Supporting Agencies:	Planning Board		
Hazard(s) of Concern:	<input type="checkbox"/> Civil Unrest <input type="checkbox"/> Dam Failure <input type="checkbox"/> Drought <input type="checkbox"/> Earthquake <input type="checkbox"/> Epidemic <input type="checkbox"/> Extreme Temperature <input checked="" type="checkbox"/> Flood	<input type="checkbox"/> Hazardous Materials <input type="checkbox"/> Severe Storm <input type="checkbox"/> Severe Winter Storm <input type="checkbox"/> Terrorism <input type="checkbox"/> Transportation Accidents <input type="checkbox"/> Utility Interruption <input type="checkbox"/> Wildfire	
Description of the Problem:	The current flood damage prevention ordinance does not include the 2-foot mandated NYS freeboard requirements. While the existing ordinance may be compliant with NFIP requirements, State requirements which exceed NFIP requirements must be adhered to.		
Description of the Solution:	The Town will work with Genesee County and NYSDEC to ensure its Flood Damage Prevention Ordinance is updated to adhere to NYS requirements. After obtaining the appropriate review and concurrence by the NFIP State Coordinator and the FEMA Regional Office, the Town will update and adopt the Flood Damage Prevention Ordinance.		
Estimated Cost:	Low		
Potential Funding Sources:	Town Budget		
Implementation Timeline:	Within 3 years		
Goals Met:	1, 2		
Benefits:	The updated ordinance will improve floodplain management, meet NFIP and State requirements, and increase resilience of new and substantially improved structures in the floodplain.		
Impact on Socially Vulnerable Populations:	The action will result in better regulation of construction standards within the Special Flood Hazard Area where significant risk to socially vulnerable populations exists.		
Impact on Future Development:	The action will result in stronger regulation of construction standards for future development in the Special Flood Hazard Area.		
Impact on Critical Facilities/Lifelines:	Critical facilities and lifelines located in the Special Flood Hazard Area will be required to meet the requirements set forth in the ordinance.		
Impact on Capabilities:	This action will improve floodplain management capabilities through better outlining of responsibilities and administrative procedures.		
Climate Change Considerations:	The updated ordinance includes the State's higher standards that are in place to address heightened flood risk due to climate change such as those for floodway rise and mandatory freeboard.		
Mitigation Category	<input checked="" type="checkbox"/> Local Plans and Regulations (LPR) <input type="checkbox"/> Structure and Infrastructure Project (SIP)	<input type="checkbox"/> Natural Systems Protection (NSP) <input type="checkbox"/> Education and Awareness Programs (EAP)	
CRS Category	<input checked="" type="checkbox"/> Preventative Measures (PR) <input type="checkbox"/> Property Protection (PP) <input type="checkbox"/> Public Information (PI)	<input type="checkbox"/> Natural Resource Protection (NR) <input type="checkbox"/> Structural Flood Control Projects (SP) <input type="checkbox"/> Emergency Services (ES)	
Priority	<input checked="" type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low
Alternatives:	Action		Evaluation
	No Action		Current problem exists
	Update only freeboard requirements		Other areas of the ordinance which need to be updated would not be
	Leave NFIP		Residents lose flood insurance coverage



Action 2025-DarienT-05. Epidemic Education and Outreach

Lead Agency:	Town Supervisor		
Supporting Agencies:	Town Board, Genesee County		
Hazard(s) of Concern:	<input type="checkbox"/> Civil Unrest <input type="checkbox"/> Dam Failure <input type="checkbox"/> Drought <input type="checkbox"/> Earthquake <input checked="" type="checkbox"/> Epidemic <input type="checkbox"/> Extreme Temperature <input type="checkbox"/> Flood	<input type="checkbox"/> Hazardous Materials <input type="checkbox"/> Severe Storm <input type="checkbox"/> Severe Winter Storm <input type="checkbox"/> Terrorism <input type="checkbox"/> Transportation Accidents <input type="checkbox"/> Utility Interruption <input type="checkbox"/> Wildfire	
Description of the Problem:	The Town faces risk from epidemic but does not have a comprehensive education and outreach program to educate residents and businesses about hazard mitigation, preparation, response, and recovery utilizing a variety of outreach methods. The Town does not currently have hazard mitigation information and outreach on the Town website.		
Description of the Solution:	Create outreach materials, or utilize those from Genesee County, on epidemic risks and methods of mitigation measures. Methods of distribution may include Town events, the Town newsletters, social media, the Town website, and having the materials on display for the public at Town libraries and offices. Outreach materials will be specified with education and information for the epidemic hazard.		
Estimated Cost:	Low		
Potential Funding Sources:	Town Budget		
Implementation Timeline:	1 year		
Goals Met:	3		
Benefits:	This action will improve the public education and outreach capabilities in the Town by including discussions on disaster preparedness and hazard mitigation to residents and business owners, which will contribute to the resiliency of the Town.		
Impact on Socially Vulnerable Populations:	Socially vulnerable populations will learn how to prepare for and mitigate the epidemic hazard which may impact them in the Town.		
Impact on Future Development:	Not applicable		
Impact on Critical Facilities/Lifelines:	Businesses, which may be considered critical facilities or lifelines, would be more informed on how to prepare for emergency events and mitigate the risks of the epidemic hazard. With these businesses becoming more resilient, this action would contribute to their continuity of operations.		
Impact on Capabilities:	This action would build upon the County's public education and outreach capabilities and adapt it to the Town's needs.		
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 the epidemic hazard and how climate change may exacerbate those risks.		
Mitigation Category	<input type="checkbox"/> Local Plans and Regulations (LPR) <input type="checkbox"/> Structure and Infrastructure Project (SIP)	<input type="checkbox"/> Natural Systems Protection (NSP) <input checked="" type="checkbox"/> Education and Awareness Programs (EAP)	
CRS Category	<input type="checkbox"/> Preventative Measures (PR) <input type="checkbox"/> Property Protection (PP) <input checked="" type="checkbox"/> Public Information (PI)	<input type="checkbox"/> Natural Resource Protection (NR) <input type="checkbox"/> Structural Flood Control Projects (SP) <input type="checkbox"/> Emergency Services (ES)	
Priority	<input checked="" type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low
Alternatives:	Action		Evaluation
	No Action		Current problem exists
	Rely on state or federal resources		Resources may be generalized and not specific to the risks in the Town
	Use only a few methods for distribution		Using only a few methods of distribution may hinder socially vulnerable populations from receiving the guidance



Action 2025-DarienT-06. Water Conservation Ordinance

Lead Agency:	Zoning & Code Officer	
Supporting Agencies:	Town Board	
Hazard(s) of Concern:	<input type="checkbox"/> Civil Unrest <input type="checkbox"/> Dam Failure <input checked="" type="checkbox"/> Drought <input type="checkbox"/> Earthquake <input type="checkbox"/> Epidemic <input checked="" type="checkbox"/> Extreme Temperature <input type="checkbox"/> Flood	<input type="checkbox"/> Hazardous Materials <input type="checkbox"/> Severe Storm <input type="checkbox"/> Severe Winter Storm <input type="checkbox"/> Terrorism <input type="checkbox"/> Transportation Accidents <input type="checkbox"/> Utility Interruption <input type="checkbox"/> Wildfire
Description of the Problem:	The Town may be impacted by drought, as potable water wells could become depleted by unnecessary use. Drought puts a strain on agriculture, recreational use, and daily use of water. The Town does not have a water conservation ordinance to encourage and support water conservation efforts. Extreme temperatures may enhance the impacts of drought by causing the rapid evaporation of moisture from potable wells and floral and fauna.	
Description of the Solution:	The Town will develop a water conservation ordinance to outline water conservation efforts which should be taken during periods of low rainfall, extreme heat, and drought. The Town will look to NYS DEC for assistance in the development of the ordinance.	
Estimated Cost:	Low	
Potential Funding Sources:	Town Budget	
Implementation Timeline:	Within 3 years	
Goals Met:	1, 2	
Benefits:	This action will support the safe, continued use of potable water to ensure there is adequate drinking water available to support residents. Furthermore, the ordinance will assist in ensuring agriculture practices have water available to support the grower's livelihood.	
Impact on Socially Vulnerable Populations:	Populations will have access to potable water sources during periods of drought and extreme heat.	
Impact on Future Development:	Not applicable	
Impact on Critical Facilities/Lifelines:	A water conservation ordinance will mitigate potential impacts to the water sources for the Town. This action will inform residents of the importance of the ordinance and how over-utilizing water sources may impact the quality of life in the Town.	
Impact on Capabilities:	This action will ensure potable water is available within the jurisdiction during time of drought by developing a water conservation ordinance.	
Climate Change Considerations:	Higher temperatures are expected to increase the amount of moisture that evaporates from land and water. These changes have the potential to lead to more frequent and severe droughts, which, in turn, increases the likelihood of wildfires.	
Mitigation Category	<input checked="" type="checkbox"/> Local Plans and Regulations (LPR) <input type="checkbox"/> Structure and Infrastructure Project (SIP)	<input type="checkbox"/> Natural Systems Protection (NSP) <input type="checkbox"/> Education and Awareness Programs (EAP)
CRS Category	<input checked="" type="checkbox"/> Preventative Measures (PR) <input type="checkbox"/> Property Protection (PP) <input type="checkbox"/> Public Information (PI)	<input type="checkbox"/> Natural Resource Protection (NR) <input type="checkbox"/> Structural Flood Control Projects (SP) <input type="checkbox"/> Emergency Services (ES)
Priority	<input checked="" type="checkbox"/> High	<input type="checkbox"/> Medium
Alternatives:	<b>Action</b>	
	No Action	
	Only enforce ordinance and do not encourage water conservation practices year-round	Outside of drought periods, water issues may arise
	Do not publicize ordinance once developed	Residents will be uninformed and partaking in practices outside of the Town's ordinances



Action 2025-DarienT-07. Transportation Plan

Lead Agency:	Town Administration, Genesee County Highway, NYSDOT		
Supporting Agencies:	Planning Board, Zoning Board		
Hazard(s) of Concern:	<input type="checkbox"/> Civil Unrest <input type="checkbox"/> Dam Failure <input type="checkbox"/> Drought <input type="checkbox"/> Earthquake <input type="checkbox"/> Epidemic <input type="checkbox"/> Extreme Temperature <input checked="" type="checkbox"/> Flood	<input checked="" type="checkbox"/> Hazardous Materials <input type="checkbox"/> Severe Storm <input type="checkbox"/> Severe Winter Storm <input type="checkbox"/> Terrorism <input checked="" type="checkbox"/> Transportation Accidents <input type="checkbox"/> Utility Interruption <input type="checkbox"/> Wildfire	
Description of the Problem:	The Town has three major roads which traverse through the jurisdiction, US Route 20 and NYS Routes 77, 238, and 33. Transportation accidents are apt to occur on these roadways more than local roads. Further, hazardous materials may be transported on the major roadways or via rail.		
Description of the Solution:	The Town will develop a Transportation Plan, with support from the Genesee County Office of Emergency Management. The Transportation Plan will integrate hazard mitigation and transportation accident principles into its contents, including addressing capabilities related to reduce the risk to the identified hazards of concern identified with this Hazard Mitigation Plan.		
Estimated Cost:	Low		
Potential Funding Sources:	Town Budget		
Implementation Timeline:	Within 3 years		
Goals Met:	1, 3, 4		
Benefits:	The Transportation Plan will detail what the Town will do during a disaster (incident command implementation, command center location and activities, specific plans by department, etc.). The creation of the Transportation Plan will permit the Town to integrate new plans, policies, capabilities, and hazard assessments.		
Impact on Socially Vulnerable Populations:	The Transportation Plan will highlight evacuation routes and how to best protect the transportation system in the Town.		
Impact on Future Development:	Future development will be better protected by having a reliable transportation system.		
Impact on Critical Facilities/Lifelines:	The section overview portion of the Transportation Plan covers a discussion of a variety of topics, including vulnerable transportation lifelines (e.g. flood prone roads).		
Impact on Capabilities:	This action will create a planning and response capability for the Town.		
Climate Change Considerations:	Climate change may result in an increase in the frequency and severity of weather-related disaster events which may impact transportation lifelines.		
Mitigation Category	<input checked="" type="checkbox"/> Local Plans and Regulations (LPR) <input type="checkbox"/> Structure and Infrastructure Project (SIP)	<input type="checkbox"/> Natural Systems Protection (NSP) <input type="checkbox"/> Education and Awareness Programs (EAP)	
CRS Category	<input type="checkbox"/> Preventative Measures (PR) <input type="checkbox"/> Property Protection (PP) <input type="checkbox"/> Public Information (PI)	<input type="checkbox"/> Natural Resource Protection (NR) <input type="checkbox"/> Structural Flood Control Projects (SP) <input checked="" type="checkbox"/> Emergency Services (ES)	
Priority	<input checked="" type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low
Alternatives:	Action		Evaluation
	No Action		Current problem exists
	Integrate hazard mitigation principles in only hazard appendices		The plan will miss integration opportunities in the basic plan and annexes
	Ask County to integrate hazard mitigation into a County Transportation Plan		Town Transportation Plan will remain undeveloped



Action 2025-DarienT-08. Floodplain Management Training

Lead Agency:	Floodplain Administrator		
Supporting Agencies:	Zoning & Code Officer		
Hazard(s) of Concern:	<input type="checkbox"/> Civil Unrest <input type="checkbox"/> Dam Failure <input type="checkbox"/> Drought <input type="checkbox"/> Earthquake <input type="checkbox"/> Epidemic <input type="checkbox"/> Extreme Temperature <input checked="" type="checkbox"/> Flood	<input type="checkbox"/> Hazardous Materials <input type="checkbox"/> Severe Storm <input type="checkbox"/> Severe Winter Storm <input type="checkbox"/> Terrorism <input type="checkbox"/> Transportation Accidents <input type="checkbox"/> Utility Interruption <input type="checkbox"/> Wildfire	
Description of the Problem:	Floodplain managers require training. Those responsible for floodplain management are lacking in their knowledge of required duties. Training is sorely needed for all municipal officials and for code enforcement officials in charge of municipalities. Very little zoning precludes homeowners from building in floodplains, leading to problems later.		
Description of the Solution:	Where feasible, the County and municipalities will have Code staff attend trainings for NFIP Basics and the Intermediate Floodplain management course. Where not feasible, officials will attend virtual trainings and review available resources from FEMA and ASFPM at the ASFPM ( <a href="https://www.floods.org/">https://www.floods.org/</a> ) website.		
Estimated Cost:	Low		
Potential Funding Sources:	Town Budget		
Implementation Timeline:	Within 5 years		
Goals Met:	1, 2		
Benefits:	Providing an opportunity for County and municipal staff and officials to become further educated on floodplain management practices and standards can aid in the development of plans and procedures in a way that is conscious of the flood hazard.		
Impact on Socially Vulnerable Populations:	Officials that are up to date on flood risk are more likely to encourage development outside areas of high flood risk, which is where socially vulnerable populations have historically resided. Safer dwellings may be developed in a less vulnerable location.		
Impact on Future Development:	Officials that understand best practices in floodplain management will have the opportunity to influence future development and prevent unsafe building in flood hazard areas.		
Impact on Critical Facilities/Lifelines:	The opportunity will exist for leaders and operators of utilities and other essential services to attend training and provide direction on ways the prepare for, plan for, and prevent interruptions in service as a result of a flood.		
Impact on Capabilities:	Officials that attend trainings will have a more confident understanding of floodplain management principles and the basics of NFIP requirements and standards.		
Climate Change Considerations:	Climate change is likely to result in stronger and more frequent rainfall events that will contribute to increased flood risk		
Mitigation Category	<input type="checkbox"/> Local Plans and Regulations (LPR) <input type="checkbox"/> Structure and Infrastructure Project (SIP)	<input type="checkbox"/> Natural Systems Protection (NSP) <input checked="" type="checkbox"/> Education and Awareness Programs (EAP)	
CRS Category	<input type="checkbox"/> Preventative Measures (PR) <input type="checkbox"/> Property Protection (PP) <input checked="" type="checkbox"/> Public Information (PI)	<input checked="" type="checkbox"/> Natural Resource Protection (NR) <input type="checkbox"/> Structural Flood Control Projects (SP) <input type="checkbox"/> Emergency Services (ES)	
Priority	<input checked="" type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low
Alternatives:	Action		Evaluation
	No Action		Current problem exists
	Hire outside contractors for floodplain administration		Costly
	Establish shared service agreements for floodplain administration from neighboring municipalities		Neighboring municipalities are unlikely to have the staff capacity to take on this role





Action 2025-DarienT-09. Wildfire Education and Outreach

Lead Agency:	Town Supervisor	
Supporting Agencies:	Town Board, Genesee County	
Hazard(s) of Concern:	<input type="checkbox"/> Civil Unrest <input type="checkbox"/> Dam Failure <input type="checkbox"/> Drought <input type="checkbox"/> Earthquake <input type="checkbox"/> Epidemic <input type="checkbox"/> Extreme Temperature <input type="checkbox"/> Flood	<input type="checkbox"/> Hazardous Materials <input type="checkbox"/> Severe Storm <input type="checkbox"/> Severe Winter Storm <input type="checkbox"/> Terrorism <input type="checkbox"/> Transportation Accidents <input type="checkbox"/> Utility Interruption <input checked="" type="checkbox"/> Wildfire
Description of the Problem:	The Town faces risk from wildfires but does not have a comprehensive education and outreach program to educate residents and businesses about hazard mitigation, preparation, response, and recovery utilizing a variety of outreach methods. The Town does not currently have hazard mitigation information and outreach on the Town website.	
Description of the Solution:	Create outreach materials, or utilize those from the County, on wildfire risks and methods of mitigation measures. Methods of distribution may include Town events, the Town newsletters, social media, the Town website, and having the materials on display for the public at Town libraries and offices. Outreach materials will be specified with education and information for the wildfire hazard.	
Estimated Cost:	Low	
Potential Funding Sources:	Town Budget	
Implementation Timeline:	1 year	
Goals Met:	3	
Benefits:	This action will improve the public education and outreach capabilities in the Town by including discussions on disaster preparedness and hazard mitigation to residents and business owners, which will contribute to the resiliency of the Town.	
Impact on Socially Vulnerable Populations:	Socially vulnerable populations will learn how to prepare for and mitigate the wildfire hazard which may impact them in the Town.	
Impact on Future Development:	Not applicable	
Impact on Critical Facilities/Lifelines:	Businesses, which may be considered critical facilities or lifelines, would be more informed on how to prepare for emergency events and mitigate the risks of the wildfire hazard. With these businesses becoming more resilient, this action would contribute to their continuity of operations.	
Impact on Capabilities:	This action would build upon the County's public education and outreach capabilities and adapt it to the Town's needs.	
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 the wildfire hazard and how climate change may exacerbate those risks.	
Mitigation Category	<input type="checkbox"/> Local Plans and Regulations (LPR) <input type="checkbox"/> Structure and Infrastructure Project (SIP)	<input type="checkbox"/> Natural Systems Protection (NSP) <input checked="" type="checkbox"/> Education and Awareness Programs (EAP)
CRS Category	<input type="checkbox"/> Preventative Measures (PR) <input type="checkbox"/> Property Protection (PP) <input checked="" type="checkbox"/> Public Information (PI)	<input type="checkbox"/> Natural Resource Protection (NR) <input type="checkbox"/> Structural Flood Control Projects (SP) <input type="checkbox"/> Emergency Services (ES)
Priority	<input checked="" type="checkbox"/> High	<input type="checkbox"/> Medium
Alternatives:	<b>Action</b>	
	No Action	
	Rely on state or federal resources	
	Use only a few methods for distribution	
		<b>Evaluation</b>
		Current problem exists
		Resources may be generalized and not specific to the risks in the Town
		Using only a few methods of distribution may hinder socially vulnerable populations from receiving the guidance



Action 2025-DarienT-10. Town Hall Generator

Lead Agency:	Town Administration	
Supporting Agencies:	Engineer, Town Highway Department	
Hazard(s) of Concern:	<input type="checkbox"/> Civil Unrest <input checked="" type="checkbox"/> Dam Failure <input type="checkbox"/> Drought <input type="checkbox"/> Earthquake <input type="checkbox"/> Epidemic <input checked="" type="checkbox"/> Extreme Temperature <input checked="" type="checkbox"/> Flood	<input type="checkbox"/> Hazardous Materials <input checked="" type="checkbox"/> Severe Storm <input checked="" type="checkbox"/> Severe Winter Storm <input type="checkbox"/> Terrorism <input type="checkbox"/> Transportation Accidents <input checked="" type="checkbox"/> Utility Interruption <input checked="" type="checkbox"/> Wildfire
Description of the Problem:	The Town of Darien Town Hall is protected from power loss by a diesel backup generator. While the generator is still functional, it is becoming outdated and requires a backup supply of diesel fuel. The Town Hall is a backup sheltering location.	
Description of the Solution:	The Town will conduct a generator study to determine the proper sized generator needed at the Town Hall. The Town will acquire the funding for the purchase and installation of a new generator. The Town will also be responsible for maintenance and testing of the generator following the installation.	
Estimated Cost:	TBD based on generator study	
Potential Funding Sources:	HMGP, EMPG, Town Budget	
Implementation Timeline:	5 year	
Goals Met:	1, 2, 4	
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	<input type="checkbox"/> Local Plans and Regulations (LPR) <input checked="" type="checkbox"/> Structure and Infrastructure Project (SIP)	<input type="checkbox"/> Natural Systems Protection (NSP) <input type="checkbox"/> Education and Awareness Programs (EAP)
CRS Category	<input type="checkbox"/> Preventative Measures (PR) <input type="checkbox"/> Property Protection (PP) <input type="checkbox"/> Public Information (PI)	<input type="checkbox"/> Natural Resource Protection (NR) <input type="checkbox"/> Structural Flood Control Projects (SP) <input checked="" type="checkbox"/> Emergency Services (ES)
Priority	<input checked="" type="checkbox"/> High	<input type="checkbox"/> Medium
Alternatives:	<b>Action</b>	
	No Action	
	Microgrid	
	Solar panels and battery backup	
		<b>Evaluation</b>
		Current problem exists
		Costly and difficult to implement.
		Solar power is unlikely to be able to provide battery power for extended power failure events.



Action 2025-DarienT-11. Tree Maintenance

Lead Agency:	Town Administration		
Supporting Agencies:	Town Highway Department		
Hazard(s) of Concern:	<input type="checkbox"/> Civil Unrest <input type="checkbox"/> Dam Failure <input type="checkbox"/> Drought <input type="checkbox"/> Earthquake <input type="checkbox"/> Epidemic <input type="checkbox"/> Extreme Temperature <input type="checkbox"/> Flood	<input type="checkbox"/> Hazardous Materials <input checked="" type="checkbox"/> Severe Storm <input checked="" type="checkbox"/> Severe Winter Storm <input type="checkbox"/> Terrorism <input type="checkbox"/> Transportation Accidents <input checked="" type="checkbox"/> Utility Interruption <input type="checkbox"/> Wildfire	
Description of the Problem:	The Town of Darien experiences utility interruption during severe storm events. While the town and utility providers clear trees along roadways and rights of way, trees have not been cleared in areas where utility lines cross lots. When falling trees or branches knock down utility lines in these areas, restoring power is difficult, particularly during the rainy season when mud prevents heavy equipment from being used.		
Description of the Solution:	The Town will pursue funding support to have a forester assess trees, complete deed searches to verify Town right of way in targeted areas and then have the tree removal completed by qualified personnel. Implement, review, and enforce municipal policies and programs to prevent trees from threatening lives and impacting power availability/interruption in conjunction with property owners and utility companies.		
Estimated Cost:	Low		
Potential Funding Sources:	Town Budget		
Implementation Timeline:	5 year		
Goals Met:	1, 2		
Benefits:	This action will result in the reduction of risk surrounding power outages by minimizing potential impacts from trees on utility lines.		
Impact on Socially Vulnerable Populations:	Some socially vulnerable population rely on power utilities for everyday care. If power outages are caused by a lack of tree maintenance, lives could potentially be at risk.		
Impact on Future Development:	This action assists in the protection of future development from impacts caused by tree collapses or branch falls as a result of severe weather or severe winter weather.		
Impact on Critical Facilities/Lifelines:	Utility lines provide power to residencies, private businesses, government entities, and various providers. Not maintaining trees, tree limbs, or tree branches may impact the availability of power during severe weather and severe winter weather events.		
Impact on Capabilities:	The creation of a tree maintenance program would be a new capability for the Town.		
Climate Change Considerations:	Climate change may result in an increase in the frequency and severity of weather-related disaster events, which may contribute to trees or tree limbs/branches falling or impacting utility lines and property.		
Mitigation Category	<input checked="" type="checkbox"/> Local Plans and Regulations (LPR) <input type="checkbox"/> Structure and Infrastructure Project (SIP)	<input type="checkbox"/> Natural Systems Protection (NSP) <input type="checkbox"/> Education and Awareness Programs (EAP)	
CRS Category	<input checked="" type="checkbox"/> Preventative Measures (PR) <input type="checkbox"/> Property Protection (PP) <input type="checkbox"/> Public Information (PI)	<input type="checkbox"/> Natural Resource Protection (NR) <input type="checkbox"/> Structural Flood Control Projects (SP) <input type="checkbox"/> Emergency Services (ES)	
Priority	<input type="checkbox"/> High	<input checked="" type="checkbox"/> Medium	<input type="checkbox"/> Low
Alternatives:	Action		Evaluation
	No Action		Current problem exists
	Do not contact utility companies		Trees along utility lines may impact power during severe weather and severe winter weather events
	Do not contact property owners		Trees on private residencies may impact power during severe weather and severe winter weather events