# 9.25 Village of Islandia

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

## 9.25.1 Hazard Mitigation Planning Team

The following individuals have been identified as the Village of Islandia's hazard mitigation plan primary and alternate points of contact.

**Table 9.25-1. Hazard Mitigation Planning Team**

| Primary Point of Contact | Alternate Point of Contact |
|---|---|
| Name/Title: Gerald Peters, Building Inspector<br>Address: 1100 Old Nichols Road Islandia, NY 11749<br>Phone Number: 631-459-9735<br>Email: gpeters@newvillageofislandia.com | Name/Title: Allan Dorman, Mayor<br>Address: 1100 Old Nichols Road Islandia, NY 11749<br>Phone Number: 631-348-1133<br>Email: adorman@newvillageofislandia.com |
| **NFIP Floodplain Administrator** | |
| Name/Title: Gerald Peters, Building Inspector<br>Address: 1100 Old Nichols Road Islandia, NY 11749<br>Phone Number: 631-459-9735<br>Email: gpeters@newvillageofislandia.com | |

## 9.25.2 Municipal Profile

The Village of Islandia was originally part of the Town of Islip, and became their own local government in April, 1985. The Incorporated Village of Islandia is located in the northern part of the town of Islip, and straddles the Long Island Expressway.

The elected mayor and the three trustees constitute the governing body of the Village of Islandia and are referred to as the Village Board. The terms of the Mayor and all Trustees of the Village Board shall be four years. General Village elections are held biennially in odd-numbered years.

According to the U.S. Census, the 2010 population for the Village of Islandia was 3,335. The estimated 2017 population was 3,345, a .03 percent increase from the 2010 Census. Data from the 2017 U.S. Census American Community Survey indicate that 6.4 percent of the population is 5 years of age or younger and 13.2 percent is 65 years of age or older. Communities must deploy a support system that enables all populations to safely reach shelters or to quickly evacuate a hazard area.

## 9.25.3 Growth/Development Trends

Understanding how past, current, and projected development patterns have or are likely to increase or decrease risk in hazard areas is a key component to understanding a jurisdiction's overall risk to its hazards of concern. Table 9.25-2 summarizes recent and expected future development trends, including major residential/commercial development and major infrastructure development. The figures at the end of this annex illustrate the geographically-delineated hazard areas and the location of potential new development, where

available. The recent and anticipated development depicted on these figures excludes the Suffolk County wastewater upgrades; refer to Section 4 (County Profile) for additional information on this development.

**Table 9.25-2. Recent and Expected Future Development**

| Type of Development | 2014 | | 2015 | | 2016 | | 2017 | | 2018 | | 2019 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Number of Building Permits for New Construction Issued Since the Previous HMP* (within regulatory floodplain/ Outside regulatory floodplain)** | | | | | | | | | | | | |
| | **Total** | **Within SFHA** | **Total** | **Within SFHA** | **Total** | **Within SFHA** | **Total** | **Within SFHA** | **Total** | **Within SFHA** | **Total** | **Within SFHA** |
| Single Family | TBD | **0** | TBD | **0** | TBD | **0** | TBD | **0** | TBD | **0** | TBD | **0** |
| Multi-Family | TBD | **0** | TBD | **0** | TBD | **0** | TBD | **0** | TBD | **0** | TBD | **0** |
| Other (commercial, mixed-use, etc.) | TBD | **0** | TBD | **0** | TBD | **0** | TBD | **0** | TBD | **0** | TBD | **0** |
| **Total Permits Issued** | TBD | **0** | TBD | **0** | TBD | **0** | TBD | **0** | TBD | **0** | TBD | **0** |

| Property or Development Name | Type of Development | # of Units / Structures | Location (address and/or block and lot) | Known Hazard Zone(s)* | Description / Status of Development |
|---|---|---|---|---|---|
| **Recent Major Development and Infrastructure from 2015 to Present** | | | | | |
| Dawson Court | Residential | 5 | Dawson Court | None | Complete |
| Condominium complex | Condominium, sewage treatment plant and pump station | 72 | 1239 Old Nichols Road | None | In Progress |
| **Known or Anticipated Major Development and Infrastructure in the Next Five (5) Years** | | | | | |
| Hotel, assisted living, 4 restaurants, gas station, bank | Mixed use development | 15 acres | North of Long Island Expressway | None | Proposed, would need to be rezoned |

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

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

## 9.25.4 Capability Assessment

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

- An assessment of legal and regulatory capabilities.
- Development and permitting capabilities.
- An assessment of fiscal capabilities.
- An assessment of education and outreach capabilities.
- Information on National Flood Insurance Program (NFIP) compliance.
- Classification under various community mitigation programs.
- The community's adaptive capacity for the impacts of climate change.

For a community to succeed in reducing long-term risk, hazard mitigation must be integrated into the day-to-day local government operations. As part of this planning effort, planning/policy documents were reviewed, and each jurisdiction was surveyed to obtain a better understanding of their progress in plan integration. Areas with current mitigation integration are summarized in Capability Assessment (Section 9.25.4). The Village of Islandia identified specific integration activities that will be incorporated into municipal procedures are included in the updated mitigation strategy. Appendix G provides the results of the planning/policy document review and the answers to integration survey questions.

## Planning, Legal, and Regulatory Capability

The table below summarizes the regulatory tools that are available to the Village of Islandia and where hazard mitigation has been integrated.

### Table 9.25-3. Planning, Legal, and Regulatory Capability

| | Do you have this? (Yes/No) | Code Citation and Date (code chapter, name of plan, date of plan) | Authority (local, county, state, federal) | Department / Agency Responsible | State Mandated | Has this been integrated? | |
|---|---|---|---|---|---|---|---|
| | | | | | | If no - can it be a mitigation action? | |
| **Codes, Ordinances, & Requirements** | | | | | | | |
| Building Code | Yes | Building Construction and Fire Prevention, Chapter 57, Village of Islandia Code | Local/State | Village of Islandia Building Department | Yes | Yes | - |
| Comment: The chapter regulates construction and prevents fire in the Village. The Village has adopted in its code the New York State Uniform Fire Prevention and Building Code. | | | | | | | |
| Zoning Code | Yes | Zoning Code, Section 177of the Village of Islandia Code; Land Development Regulations, Chapter 108, Village of Islandia Code | Local | Zoning Board; Planning Board | No | Yes | - |
| Comment: Chapter 177: For the purpose of promoting the health, safety, morals and the general welfare of the community of the Village of Islandia and in accordance with a comprehensive plan, this chapter is designed to lessen congestion in the streets; to secure safety from fire, flood, panic and other dangers; to promote health and general welfare; to provide adequate light and air; to prevent the overcrowding of land; to avoid undue concentration of population; and to facilitate the adequate provision of transportation, water, sewerage, schools, parks and other public requirements.<br><br>Chapter 108: The following regulations for development of land for various purposes in the Village of Islandia are established to provide design standards for development. | | | | | | | |
| Subdivisions | Yes | Subdivision Regulations, Section 146 of the Village of Islandia Code | Local | Planning Board | No | Yes | - |
| Comment: The following are regulations for the subdivision of land for various purposes as adopted by the Village of Islandia Village Board on March 27, 1995. These regulations are promulgated to control and provide for the orderly growth and coordinated development of the Village of Islandia consistent with its fiscal and infra structural limitations to assure the comfort, convenience, health, safety and welfare of its citizens in accordance with the Constitution of the State of New York. | | | | | | | |
| Stormwater Management | Yes | Stormwater Management, Chapter 143 of the Village of Islandia Code | Local | Cashin Associates | Yes | Yes | - |

| | Do you have this? (Yes/No) | Code Citation and Date (code chapter, name of plan, date of plan) | Authority (local, county, state, federal) | Department / Agency Responsible | State Mandated | Has this been integrated? If no - can it be a mitigation action? | |
|---|---|---|---|---|---|---|---|
| Comment: The Chapter is adopted in order to:<br>• To regulate the contribution of pollutants to the MS4 since such systems are not designed to accept, process or discharge non-stormwater wastes;<br>• To prohibit illicit connections, activities and discharges to the MS4;<br>• To establish legal authority to carry out all inspection, surveillance and monitoring procedures necessary to ensure compliance with this law; and<br>• To promote public awareness of the hazards involved in the improper discharge of trash, yard waste, lawn chemicals, pet waste, wastewater, grease, oil, petroleum products, cleaning products, paint products, hazardous waste, sediment and other pollutants into the MS4. | | | | | | | |
| Post-Disaster Recovery | No | - | - | - | No | - | - |
| Comment: | | | | | | | |
| Real Estate Disclosure | Yes | Property Condition Disclosure Act, NY Code - Article 14 §460-467 | State | NYS Department of State, Real Estate Agent | Yes | Yes | - |
| Comment: | | | | | | | |
| Growth Management | No | - | - | - | No | - | - |
| Comment: | | | | | | | |
| Site Plan Review | Yes | Site Plan Approval, Section 140 of the Village of Islandia Code | Local | Village of Islandia Planning Board | No | Yes | - |
| Comment: The purpose of site plan approval is to determine compliance with this chapter in those zoning districts where inappropriate development may cause a conflict between uses in the same or adjoining zoning districts by creating unsafe, unhealthful, unsightly or otherwise unsuitable conditions and thereby adversely affect the public health, safety, comfort, convenience, general welfare or the environment. | | | | | | | |
| Environmental Protection | Yes | Environmental Quality Review, Chapter 70, Village of Islandia Code | Local | Various agencies | Yes | Yes | - |
| Comment: The purpose of this chapter is to implement for the Village of Islandia the provisions of the State Environmental Quality Review Act and the State Environmental Quality Review Regulations, thereby incorporating environmental considerations into the existing planning and decision-making process. | | | | | | | |
| Flood Damage Prevention | Yes | Flood Management, Chapter 80 of the Village of Islandia Code | Local | Building Inspector | Yes - BFE+2 feet for all construction in the SFHA (residential and non-residential) | Yes | - |
| Comment: The Chapter aims to:<br>(1) Protect human life and health;<br>(2) Minimize expenditure of public money for costly flood control projects;<br>(3) Minimize the need for rescue and relief efforts associated with flooding and generally undertaken at the expense of the general public;<br>(4) Minimize prolonged business interruptions;<br>(5) Minimize damage to public facilities and utilities such as water and gas mains, electric, telephone, sewer lines, streets and bridges located in areas of special flood hazard;<br>(6) Help maintain a stable tax base by providing for the sound use and development of areas of special flood hazard so as to minimize future flood blight areas;<br>(7) Provide that developers are notified that property is in an area of special flood hazard; and<br>(8) Ensure that those who occupy the areas of special flood hazard assume responsibility for their actions. | | | | | | | |

| | Do you have this? (Yes/No) | Code Citation and Date (code chapter, name of plan, date of plan) | Authority (local, county, state, federal) | Department / Agency Responsible | State Mandated | Has this been integrated? If no - can it be a mitigation action? | |
|---|---|---|---|---|---|---|---|
| Municipal Separate Storm Sewer System (MS4) | Yes | Illicit Discharges, Activities and Connections to Separate Storm Sewer System Chapter 143 Part 1, Village of Islandia Code | Local | Stormwater Management Officer | Yes | Yes | - |
| Comment: The purpose of this Part 1 is to provide for the health, safety, and general welfare of the citizens of the Village of Islandia through the regulation of nonstormwater discharges to the municipal separate storm sewer system (MS4) to the maximum extent practicable as required by federal and state law. This Part 1 establishes methods for controlling the introduction of pollutants into the MS4 in order to comply with requirements of the SPDES General Permit for Municipal Separate Storm Sewer Systems. The objectives of this Part 1 are to:<br>A. Meet the requirements of the SPDES General Permit for Stormwater Discharges from MS4s, Permit No. GP-02-02, or as amended or revised;<br>B. Regulate the contribution of pollutants to the MS4 since such systems are not designed to accept, process or discharge nonstormwater wastes;<br>C. Prohibit illicit connections, activities and discharges to the MS4;<br>D. Establish legal authority to carry out all inspection, surveillance and monitoring procedures necessary to ensure compliance with this Part 1; and<br>E. Promote public awareness of the hazards involved in the improper discharge of trash, yard waste, lawn chemicals, pet waste, wastewater, grease, oil, petroleum products, cleaning products, paint products, hazardous waste, sediment and other pollutants into the MS4. | | | | | | | |
| Emergency Management | No | - | - | - | Yes | - | - |
| Comment: | | | | | | | |
| Climate Change | No | - | - | - | Yes | - | - |
| Comment: | | | | | | | |
| Disaster Recovery Ordinance | No | - | - | - | No | - | - |
| Comment: | | | | | | | |
| Disaster Reconstruction Ordinance | No | - | - | - | No | - | - |
| Comment: | | | | | | | |
| Trees | Yes | Trees, Chapter 155, Village of Islandia Code | Local | Administration | No | Yes | - |
| Comment: The purpose of this chapter is to assist in enforcing, policing and prosecuting wanton and indiscriminate theft, cutting and damage of trees from private and public property in the Village of Islandia, which deprives individuals and others of their rightful property. | | | | | | | |
| **Planning Documents** | | | | | | | |
| Comprehensive Plan | Yes | Town of Islip Master Plan | Town | Town of Islip | No | Yes | - |
| Comment: The Village is guided by the Town of Islip Master Plan. | | | | | | | |
| Capital Improvement Plan | TBD | | | | No | | |
| Comment: | | | | | | | |
| Disaster Debris Management Plan | Yes | Suffolk County Multi-Jurisdictional Debris Management Plan | County, Local | Suffolk County FRES | No | | |

| | Do you have this? (Yes/No) | Code Citation and Date (code chapter, name of plan, date of plan) | Authority (local, county, state, federal) | Department / Agency Responsible | State Mandated | Has this been integrated? | If no - can it be a mitigation action? |
|---|---|---|---|---|---|---|---|
| Comment: This NYS and FEMA approved comprehensive Multi-Jurisdictional Debris Management Plan was developed through the cooperative efforts of Suffolk County and each of the ten (10) Towns, working together in conjunction with partners from private, state and federal agencies. | | | | | | | |
| Floodplain or Watershed Plan | Yes | Watershed Plan | Local | Cashin Associates, Village Engineer | No | | |
| Comment: The Village Watershed Plan is kept up to date by Cashin Associates, the Village's Engineer. | | | | | | | |
| Stormwater Plan | Yes | Stormwater Plan | Local | Cashin Associates, Village Engineer | No | Yes | - |
| Comment: The Village Stormwater Plan is kept up to date by Cashin Associates, Village Engineer. | | | | | | | |
| Open Space Plan | TBD | | | | Yes | | |
| Comment: | | | | | | | |
| Urban Water Management Plan | No | - | - | - | No | - | - |
| Comment: | | | | | | | |
| Habitat Conservation Plan | No | - | - | - | No | - | - |
| Comment: | | | | | | | |
| Economic Development Plan | No | - | - | - | No | - | - |
| Comment: | | | | | | | |
| Shoreline Management Plan | No | - | - | - | Yes | - | - |
| Comment: N/A – not coastal | | | | | | | |
| Community Wildfire Protection Plan | No | - | - | - | No | - | - |
| Comment: | | | | | | | |
| Forest Management Plan | No | - | - | - | No | - | - |
| Comment: | | | | | | | |
| Transportation Plan | No | - | - | - | No | - | - |
| Comment: | | | | | | | |
| Agriculture Plan | No | - | - | - | Yes | - | - |
| Comment: | | | | | | | |
| Other (this could include a climate action plan, tourism plan, business development plan, etc.) | No | - | - | - | No | - | - |
| Comment: | | | | | | | |

| | Do you have this? (Yes/No) | Code Citation and Date (code chapter, name of plan, date of plan) | Authority (local, county, state, federal) | Department / Agency Responsible | State Mandated | Has this been integrated? If no - can it be a mitigation action? | |
|---|---|---|---|---|---|---|---|
| **Response/Recovery Planning** | | | | | | | |
| Comprehensive Emergency Management Plan | Yes | Suffolk County Comprehensive Emergency Management Plan (2018) | Suffolk County and Associated Jurisdictions | Suffolk FRES | Yes | | |
| Comment: The County Comprehensive Emergency Management Plan (CEMP) describes the emergency obligations of County government and its capability and capacity to undertake emergency assignments or acquire those resources necessary to support its emergency mission. The Concept of Operations of the CEMP describes the management of emergencies within the National Incident Management System (NIMS) and details emergency management programmatic efforts to accommodate present standards. | | | | | | | |
| Strategic Recovery Planning Report | TBD | | | | No | | |
| Comment: | | | | | | | |
| Threat & Hazard Identification & Risk Assessment (THIRA) | TBD | | | | Yes | | |
| Comment: | | | | | | | |
| Post-Disaster Recovery Plan | TBD | | | | No | | |
| Comment: | | | | | | | |
| Continuity of Operations Plan | TBD | | | | No | | |
| Comment: | | | | | | | |
| Public Health Plan | TBD | | | | No | | |
| Comment: | | | | | | | |
| Other | TBD | | | | No | | |
| Comment: | | | | | | | |

### Table 9.25-4. Development and Permitting Capability

| Indicate if your jurisdiction implements the following | Response Yes/No; Provide further detail |
|---|---|
| Development Permits. If yes, what department? | Yes, Building Department |
| Permits are tracked by hazard area. For example, floodplain development permits. | Yes, through Fire Marshall |
| Buildable land inventory<br>If yes, please describe<br>If no, please quantitatively describe the level of buildout in the jurisdiction. | Have identified several properties that are available but not official inventory. |

## Administrative and Technical Capability

The table below summarizes potential staff and personnel resources available to the Village of Islandia.

### Table 9.25-5. Administrative and Technical Capabilities

| Resources | Available? (Yes or No) | Department/ Agency/Position |
|---|---|---|
| **Administrative Capability** | | |

| Resources | Available? (Yes or No) | Department/ Agency/Position |
|---|---|---|
| Planning Board | Yes | Planning Board which is the same as the Board of Trustees |
| Mitigation Planning Committee | Yes | Fire Marshall working with Building Department |
| Environmental Board/Commission | No | Cashin Associates covers environmental issues |
| Open Space Board/Committee | Yes | Planning Board which is the same as the Board of Trustees |
| Economic Development Commission/Committee | Yes | Planning Board which is the same as the Board of Trustees |
| Warning Systems / Services (reverse 911, outdoor warning signals) | Yes | Website, email listserv, local radio stations, 24-hour phone operations, door to door fliers if need be |
| Maintenance programs to reduce risk | Yes | Storm drain cleaning monthly and tree trimming through PSEG LI annually and Village crew for tree response |
| Mutual aid agreements | Yes | Unofficial agreements but limited assistance has been needed in the past due to the Village's capabilities. |
| **Technical/Staffing Capability** | | |
| Planners or engineers with knowledge of land development and land management practices | Yes | Cashin Associates |
| Engineers or professionals trained in building or infrastructure construction practices | Yes | Cashin Associates |
| Planners or engineers with an understanding of natural hazards | Yes | Cashin Associates |
| Staff with expertise or training in benefit/cost analysis | Yes | Cashin Associates |
| Professionals trained in conducting damage assessments | Yes | For Village structures |
| Personnel skilled or trained in GIS and/or Hazards United States (HAZUS) – Multi-Hazards (MH) applications | Yes | Cashin Associates |
| Scientist familiar with natural hazards | Yes | Cashin Associates |
| NFIP Floodplain Administrator (FPA) | Yes | Per Village of Islandia Code §80-12, the Building Inspector is designated NFIP FPA; Currently served by Gerry Peters. |
| Surveyor(s) | Yes | Cashin Associates |
| Emergency Manager | Yes | Michael Zaleski |
| Grant writer(s) | Yes | Village Board of Trustees (Barbara Lacy) |
| Resilience Officer | No | Fire Marshall |
| Other (this could include stormwater engineer, environmental specialist, etc.) | No | - |

## Fiscal Capability

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

### Table 9.25-6. Fiscal Capabilities

| Financial Resources | Accessible or Eligible to Use (Yes/No) |
|---|---|
| Community development Block Grants (CDBG, CDBG-DR) | No |
| Capital improvements project funding | Opportunity included in existing budget if |

| Financial Resources | Accessible or Eligible to Use (Yes/No) |
|---|---|
| | necessary |
| Authority to levy taxes for specific purposes | No |
| User fees for water, sewer, gas or electric service | No |
| Impact fees for homebuyers or developers of new development/homes | No |
| Stormwater utility fee | No |
| Incur debt through general obligation bonds | No |
| Incur debt through special tax bonds | No |
| Incur debt through private activity bonds | No |
| Withhold public expenditures in hazard-prone areas | No |
| Other federal or state Funding Programs | Yes |
| Open Space Acquisition funding programs | Private funding sources |
| Other (for example, Clean Water Act 319 Grants [Nonpoint Source Pollution]) | No |

## Education and Outreach Capability

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

### Table 9.25-7. Education and Outreach Capabilities

| Indicate if your jurisdiction has the following resources | Yes/No; Please describe |
|---|---|
| Public information officer or communications office? | Mayor's office |
| Personnel skilled or trained in website development? | Private company |
| Hazard mitigation information available on your website; if yes, describe | Yes |
| Social media for hazard mitigation education and outreach; if yes, briefly describe. | Yes; Facebook, Twitter, Instagram, Youtube |
| Citizen boards or commissions that address issues related to hazard mitigation; if yes, briefly describe. | No |
| Other programs already in place that could be used to communicate hazard-related information; if yes, briefly describe. | Paper mailings, door to door |
| Warning systems for hazard events; if yes, briefly describe. | Website, email listserv, local radio stations, 24-hour phone operations, door to door fliers if need be |
| Natural disaster/safety programs in place for schools; if yes, briefly describe. | Fire Marshal completes safety programs, County completes programs for county schools |
| Other | Highway Commissioner |

## Community Classifications

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

### Table 9.25-8. Community Classifications

| Program | Participating? (Yes/No) | Classification (if applicable) | Date Classified (if applicable) |
|---|---|---|---|
| Community Rating System (CRS) | NP | - | - |
| Building Code Effectiveness Grading Schedule (BCEGS) | Yes | TBD | TBD |
| Public Protection (ISO Fire Protection Classes 1 to 10) | Yes | TBD | TBD |

| Program | Participating? (Yes/No) | Classification (if applicable) | Date Classified (if applicable) |
|---|---|---|---|
| NYSDEC Climate Smart Community | NP | - | - |
| Storm Ready Certification | NP | - | - |
| Firewise Communities classification | TBD | TBD | TBD |
| Other | No | - | - |

*Note:*
*N/A Not applicable*
*NP Not participating*
*- Unavailable*

## Adaptive Capacity

Adaptive capacity is defined as "the ability of systems, institutions, humans and other organisms to adjust to potential damage, to take advantage of opportunities, or respond to consequences" (IPCC 2014). In other words, it describes a jurisdiction's current ability to adjust to, protect from, or withstand a hazard event. This term is often discussed in reference to climate change; however, adaptive capacity also includes an understanding of local capacity for adapting to current and future risks and changing conditions. The table below summarizes the adaptive capacity for each hazard and the jurisdiction's rating.

### Table 9.25-9. Adaptive Capacity

| Hazard | Adaptive Capacity (Capabilities) - High/Medium/Low* |
|---|---|
| Coastal Erosion | Medium |
| Cyber Security | Medium |
| Disease Outbreak | Medium |
| Drought | Medium |
| Earthquake | Medium |
| Expansive Soils | Medium |
| Extreme Temperature | Medium |
| Flood | Medium |
| Groundwater Contamination | Medium |
| Hurricane | Medium |
| Infestation and Invasive Species | Medium |
| Nor'Easter | Medium |
| Severe Storm | Medium |
| Severe Winter Storm | High |
| Shallow Groundwater | Medium |
| Wildfire | Medium |

**High Capacity exists and is in use*
*Medium Capacity may exist; but is not used or could use some improvement*
*Low Capacity does not exist or could use substantial improvement*
*Unsure Not enough information is known to assign a rating*

The Village has access to resources to determine the possible impacts of climate change upon the municipality through the Village Engineer (Cashin Associates). The Village administration is supportive of integrating climate change in policies or actions but climate change is not currently being integrated into policies, plans, or actions at this time.

## 9.25.5 National Flood Insurance Program

This section provides specific information on the management and regulation of the regulatory floodplain.

## NFIP Floodplain Administrator (FPA)

Gerry Peters, Building Inspector

## National Flood Insurance Program (NFIP) Summary

The following table summarizes the NFIP statistics for the Village of Islandia.

### Table 9.25-10. NFIP Summary

| Municipality | # Policies | # Claims (Losses) | Total Loss Payments | # RL Properties |
|---|---|---|---|---|
| Village of Islandia | 4 | 0 | $0 | 0 |

*Source:* *FEMA 2020*
*Notes:* *According to FEMA statistics as of 7/13/2020*
*RL* *Repetitive Loss*

## Flood Vulnerability Summary

Substantial Damage Estimates are only done on municipal property. There were no Substantial Damage determinations made following Hurricane Sandy. No buildings were damaged in Hurricane Sandy due to flooding. Damage sustained was due to trees falling. No Substantial Damage Estimates were made following Hurricane Sandy.

## Resources

The community FDPO identifies the Building Inspector as the local NFIP Floodplain Administrator, currently Gerry Peters, for which floodplain administration is an auxiliary duty.

Duties and responsibilities of the NFIP Administrator are unspecified at this time as there are no floodplain issues within the Village. At this time, no outreach is conducted. No inventory is kept of structures damaged by floodwaters because there has not been a flood.

Gerry Peters does not feel he is adequately supported and trained to fulfill his responsibilities as the municipal floodplain administrator. This is due to the Village not having a risk to flooding that would require support for the position. Gerry Peters is not certified in floodplain management, however attends regular continuing education programs for code enforcement.

There are no known barriers to running an effective floodplain management program in Islandia because of the lack of susceptibility to flooding.

## Compliance History

Village of Islandia joined the NFIP on October 8, 2009, and is currently an active member of the NFIP. The current effective Flood Insurance Rate Maps are dated September 25, 2009.

The community is currently in good standing in the NFIP and has no outstanding compliance issues. The Village has not had a Community Assistance Visit (CAV). The municipality sees no specific need for a CAV at this time.

## Regulatory

The communities Flood Damage Prevention Ordinance (FDPO) was last updated on September 8, 2009 and is found at Chapter 80 of the local code.

Islandia meets both FEMA and New York State requirements for floodplain management regulations and ordinances. There are no additional ordinances or plans to assist the Village in meeting NFIP requirements because there are no structures in the floodplain at risk.

### Public Education and Outreach

At this time, no education and outreach is conducted in the Village of Islandia regarding NFIP implementation.

### Community Rating System

Additional training on floodplain management would be welcomed. There is no interest in joining the CRS as no structures fall within the floodplain.

## 9.25.6 Integration with Other Planning Initiatives

As this HMP update is implemented, the Village of Islandia will use information from the plan as the best available science and data for natural hazards. The capability assessment presented in this annex identifies codes, plans, and programs that provide opportunities for integration. The Suffolk County and local action plans developed for this HMP update actions related to plan integration, as well as progress on these actions, will be reported through the progress reporting process described in Volume I. New opportunities for integration also will be identified as part of the annual progress report.

### Existing Integration

It is the intention of this municipality to incorporate hazard mitigation planning and natural hazard risk reduction as an integral component of ongoing municipal operations. The following textual summary and table identify relevant planning mechanisms and programs that have been/will be incorporated into municipal procedures, which may include former mitigation initiatives that have become continuous/on-going programs and may be considered mitigation "capabilities":

- **Code Enforcement:** The Village of Islandia operates in compliance with hundreds of written codes that are designed to maintain a healthy, safe and clean environment, carry out land use policy, and preserve the quality of life standards that residents and businesses enjoy in our community. There are many types of codes: Village codes, fire codes, uniform building codes, zoning ordinances, vehicle codes and penal codes. Code enforcement is a responsibility shared by staff of several departments in the Village of Islandia.

- **Building Department:** The Village Building Department is staffed by the building inspector, Gerald Peters. The Department completes the following actions related to hazards and hazard mitigation:

    - Examining residential and commercial building plans to ensure full compliance with current New York State and Village of Islandia building codes. To ensure buildings are constructed safely by reliable and capable contractors.
    - Examining sign permits and ordinances to ensure full compliance with current Village of Islandia and New York State building codes.
    - Reviewing all variance requests and providing recommendations for approval/denial to Village Board of Zoning Appeals to zoning requirements. This is for the protection of our environment, traffic, safety and residence.
      Issuing Village Building permits in a timely manner and helping residents with home projects.

- Performing on-site inspections of residential and commercial building within the Village boundaries to be in full compliance with filed building plans and to be sure all safety requirements are met during and after construction.
- Issuing Village Certificates of Occupancy and/or Compliance after final inspection when all fire and safety requirements have been met.
- Performing on-site inspections of existing structures within Village boundaries to ensure full compliance with recorded plans.
- Writing and issuing all official complaints concerning building violations, ordinances and zoning violations. We also follow up with Fire Marshal and Code Enforcement to address all complaints.

- **Highway Department:** The Village of Islandia Highway Department is in charge of repairing and maintaining all surface roads within the Village of Islandia.

- **Fire Marshal:** The Fire Marshal is responsible for inspections of all types of buildings to ensure compliance with established fire safety standards. Assignments may include fire prevention inspections of municipally owned or leased and/or public and private buildings. Also, recommendations are made for building evacuation procedures. The Fire Marshal assists the Central Islip, Hauppauge and Lakeland Fire Departments at fire scenes and at hazardous materials incidents. The Fire Marshal is also available to any village resident who may have questions concerning fire safety.

- **Emergency Response Plan**: The Village developed and adopted an Emergency Response Plan in order to outline in detail the functions and responsibilities of each village department during a large scale natural or man-made emergency, so that response to emergencies lessens the severity of a disaster on property and the population. This plan includes many pre-event actions that both mitigate disaster losses, and directly supports recovery efforts.

- **Public Education and Outreach**: The Village has a local website and is on Twitter. Outreach is part of their MS4 program, through Cashin Associates. The Village posts informational brochures/flyers on their community bulletin board and kiosk in Village Hall.

- **Burying Utility Lines**: The Village requires new development to install utility lines underground.

### Opportunities for Future Integration

- **Digitizing Recordkeeping (2020-Islandia-003):** The Village will move to digitize recordkeeping to allow for better preservation of important documents and ease of access.

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

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

### Evacuation Routes

The Village follows the guidance of the Town of Islip, County, and State for evacuation decisions and utilizes the County's established evacuation routes (mainly the Long Island Expressway). The Village has utilized portable backup generators to respond to events in the past to reduce the need to evacuate.

### Sheltering

The Village relies on the American Red Cross for sheltering. If additional sheltering is needed, the Village feels it could utilize the local schools.

The Village has used the school as a soup kitchen facility in the past when major power outages occurred. The Village has also rented rooms at hotels to allow residents to have access to heat and showering as necessary. These actions reduce the need for evacuation if the only reason for evacuation is power loss.

### Temporary Housing

The Village has identified the following locations for the placement of temporary housing after a disaster event:

- Johnson Avenue Park at Lakeland Avenue
- Islandia Mall (1750 Veterans Hwy) has a huge parking lot which could be used (private)
- Various private businesses with large lots

Four hotels within the region also could be utilized if trailers could not be allocated.

### Permanent Housing

The Village has noted that several properties are available for the relocation of permanent housing if homes are needed to be relocated out of high risk areas.

## 9.25.8 Hazard Event History Specific to the Village of Islandia

Suffolk County has a history of natural and non-natural hazard events as detailed in Volume I, Section 5 (Risk Assessment) of this plan. A summary of historical events is provided in each of the hazard profiles and includes a chronology of events that have affected the County and its municipalities. The Village of Islandia's history of federally-declared (as presented by FEMA) and significant hazard events (as presented in NOAA-NCEI) is consistent with that of Suffolk County. Table 9.25-11 provides details regarding municipal-specific loss and damages the Village experienced during hazard events. Information provided in the table below is based on reference material or local sources. For details of these and additional events, refer to Volume I, Section 5.0 of this plan.

**Table 9.25-11. Hazard Event History**

| Dates of Event | Event Type (Disaster Declaration if applicable) | County Designated? | Summary of Event | Municipal Summary of Damages and Losses |
|---|---|---|---|---|
| February 8 – 9, 2013 | Severe Winter Storm and Snowstorm (FEMA DR-4111) | Yes | Low pressure that formed along the northern Gulf coast by the morning of Thursday, February 7, 2013 moved northeast to near Cape Hatteras by the morning of Friday, February 8, 2013 . The low then rapidly intensified while moving northeast to a position east of Cape Cod by the morning of Saturday, February 9, 2013, producing very heavy snowfall and blizzard conditions across central and eastern Long Island on | Extensive amount of time was needed by crews to clear streets and drains of snow. |

| Dates of Event | Event Type (Disaster Declaration if applicable) | County Designated? | Summary of Event | Municipal Summary of Damages and Losses |
|---|---|---|---|---|
| | | | February 8th and 9th, and winter storm conditions across the rest of southeast New York. | |
| August 13, 2014 | Flash Flood | No | A surface low with its associated warm front approached the area early in the morning before partially lifting through. This boundary provided the focus for very heavy rain in an extremely moist air mass and resulted in historic flash flooding on Long Island. New York State's 24 hour rainfall record was broken with 13.78 inches of rainfall being reported by the Automated Surface Observing System at Islip MacArthur Airport. | The Long Island Expressway was closed at exit 57 in Islandia due to flooding. Tree removal and cleanup was needed. |
| March 14 – 15, 2017 | Severe Winter Storm and Snowstorm (FEMA DR-4322) | Yes | On Tuesday, March 14th, rapidly deepening low pressure tracked up the eastern seaboard resulting in damaging winds in Suffolk County. | Extensive amount of time was needed by crews to clear streets and drains of snow. |
| March 21-22, 2018 | Winter Storm | No | A large and slow moving low pressure developed along the Middle Atlantic coast on Wednesday, March 21st and moved slowly north and east along the coast through Thursday, March 22nd. Moderate to heavy snow bands moved across Long Island and New York City with lighter snow across the Lower Hudson Valley. The heaviest snow occurred in New York City and Long Island Wednesday night into early Thursday morning. The highest snowfall rates occurred on Long Island with generally 2 to 4 inches per hour at times. Snowfall amounts ranged from 9 to 20 inches | Extensive amount of time was needed by crews to clear streets and drains of snow. |

*Notes:*

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

## 9.25.9 Hazard Ranking and Jurisdiction-Specific Vulnerabilities

The hazard profiles in Section 5 (Risk Assessment) of this plan have detailed information regarding each plan participant's vulnerability to the identified hazards. The following summarizes critical facility and community lifeline flood exposure, and the hazards of greatest concern and risk to the Village of Islandia. For additional vulnerability information relevant to this jurisdiction, refer to Section 5.

A gradient of certainty was developed to summarize the confidence level regarding the input used to populate the hazard ranking. A certainty factor of high, medium or low was selected and assigned to each hazard to provide a level of transparency and create increased understanding of the data used to support the resulting ranking. The following scale was used to assign a certainty factor to each hazard:

- High—Defined scenario/event to evaluate; probability calculated; evidenced-based/quantitative assessment to estimate potential impacts through hazard modeling.
- Moderate—Defined scenario/event or only a hazard area to evaluate; estimated probability; combination of quantitative (exposure analysis, no hazard modeling) and qualitative data to estimate potential impacts.
- Low—Scenario or hazard area is undefined; there is a degree of uncertainty regarding event probability; majority of potential impacts are qualitative.

## Critical Facilities

New York Department of Environmental Conservation (DEC) Statute 6 CRR-NY 502.4 sets forth floodplain management criteria for State projects located in flood hazard areas. The law states that no such projects related to critical facilities shall be undertaken in a Special Flood Hazard Area (SFHA) unless constructed according to specific mitigation specifications, including being raised 2′ above the Base Flood Elevation (BFE). This statute is outlined at http://tinyurl.com/6-CRR-NY-502-4. While all vulnerabilities should be assessed and documented, the State places a high priority on exposure to flooding. Critical facilities located in an SFHA, or having ever sustained previous flooding, must be protected to the 500-year flood event, or worst damage scenario. For those that do not meet these criteria, the jurisdiction must identify an action to achieve this level of protection (NYS DHSES 2017).

The table below identifies critical facilities and community lifelines located in the 1-percent and 0.2-percent floodplain. It also summarizes if the facility is already mitigated in compliance with NYS standards (i.e., to the 0.2-percent annual chance event or worse-case scenario), or if a new mitigation action is proposed in the plan update.

**Table 9.25-12. Potential Flood Losses to Critical Facilities**

| *Name* | *Type* | *Exposure* | | | *Complies with NYS Standards* | *Addressed by Proposed Action* |
|---|---|---|---|---|---|---|
| | | *1% Event* | | *0.2% Event* | | |
| | | *A-Zone* | *V-Zone* | | | |
| None identified at this time | | | | | | |

Source: Suffolk County 2020; FEMA 2009
Notes: x = Facility is located in the floodplain boundary. *Community Lifeline

## Hazard Ranking

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

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

During the review of the hazard/vulnerability risk ranking, the Village of Islandia indicated the following:

- The Village agreed with the calculated hazard rankings.

**Table 9.25-13. Hazard Ranking**

| Coastal Erosion | Cyber Security | Disease Outbreak | Drought | Earthquake | Expansive Soils |
|---|---|---|---|---|---|
| Low | Medium | Medium | Low | Medium | Low |

| Extreme Temperature | Flood | Groundwater Contamination | Hurricane | Infestation and Invasive Species | Nor'Easter |
|---|---|---|---|---|---|
| Medium | Medium | Medium | High | Medium | High |

| Severe Storm | Severe Winter Storm | Shallow Groundwater | Wildfire |
|---|---|---|---|
| Medium | Medium | Low | Medium |

### Identified Issues

The municipality has identified the following vulnerabilities within their community:

- Village Hall lacks a permanent backup power source

## 9.25.10 Mitigation Strategy and Prioritization

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

### Past Mitigation Initiative Status

The following table indicates progress on the community's mitigation strategy identified in the 2014 HMP. Actions that are carried forward as part of this plan update are included in the updated mitigation strategy table (Table 9.25-15). Previous actions that are now on-going programs and capabilities are indicated as such in the following table and may also be found under 'Capability Assessment' presented previously in this annex.

## Table 9.25-14. Status of Previous Mitigation Actions

| Project # | Project Name | Hazard(s) Addressed | Responsible Party | Brief Summary of the Original Problem and the Solution (Project) | Status (In Progress, Ongoing, No Progress, Complete) | Evaluation of Success (if complete) | | Next Steps<br>1. Project to be included in 2020 HMP or Discontinue<br>2. If including action in the 2020 HMP, revise/reword to be more specific (as appropriate).<br>3. If discontinue, explain why. |
|---|---|---|---|---|---|---|---|---|
| VIS-1 (Sandy HMGP LOI #1881) | Install backup power at Village Hall. | -<br>-<br>-<br>- | Village of Islandia: Michael Zaleski, Trustee | | No Progress | Cost<br>Level of Protection<br>Damages Avoided; Evidence of Success | | 1. Include in 2020 HMP<br>2. Building Dept, transfer switch, cabling, generator would be sited right outside the garage area.<br>3. |
| VIS-2 | Support and participate in county led initiatives intended to build local and regional mitigation and risk-reduction capabilities (see Section 9.1), specifically:<br>• Mitigation Education for Natural Disasters (natural hazard awareness and personal scale risk reduction/mitigation public education and outreach program)<br>• Build Local Floodplain Management and Disaster Recovery Capabilities (enhanced floodplain management, and post-disaster assessment and recovery capabilities)<br>• County-Wide Debris Management Plan<br>• Jurisdictional Knowledge of | All Hazards | Suffolk County, as supported by relevant local department leads | | Ongoing Capability | Cost<br>Level of Protection<br>Damages Avoided; Evidence of Success | | 1. Discontinue<br>2.<br>3. Ongoing Capability |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Mitigation Needs of Property Owners (improved understanding of damages and mitigation interest/activity of private property owners)<br>• Create a Multi-Jurisdictional Seismic Safety Committee in Suffolk County (build regional, county and local capabilities to manage seismic risk, both pre- and post-disaster)<br>Alignment of Mitigation Initiatives through all levels of Government (effort to build State and Federal level recognition and support of the County and local hazard mitigation planning strategies identified in this plan). | | | | | | | |
| VIS-3 | Work with County and PSEG (formerly LIPA) to identify roads within the municipality that are considered "critical", and to be the first priority for clearing after an event involving downed power lines. | Severe Storm; Severe Winter Storm; Hurricane; Nor'Easter | PSEG, County | | Ongoing Capability | Cost<br>Level of Protection<br>Damages Avoided; Evidence of Success | | 1. Discontinue<br>2.<br>3. Ongoing Capability |
| VIS-4 | Assess and prioritize options to bury utility lines, and implement as funding becomes available. | All Hazards | PSEG, Village | | Ongoing Capability; all new projects that have infrastructure must go underground | Cost<br>Level of Protection<br>Damages Avoided; Evidence of Success | | 1. Discontinue<br>2.<br>3. Ongoing Capability |

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

The Village of Islandia has identified the following mitigation projects/activities that have also been completed but were not identified in the previous mitigation strategy in the 2014 HMP:

- None identified.

## Proposed Hazard Mitigation Initiatives for the HMP Update

The Village of Islandia participated in a mitigation action workshop in June 2020 and was provided the following FEMA publications to use as a resource as part of their comprehensive review of all possible activities and mitigation measures to address their hazards: FEMA 551 'Selecting Appropriate Mitigation Measures for Floodprone Structures' (March 2007) and FEMA 'Mitigation Ideas – A Resource for Reducing Risk to Natural Hazards' (January 2013).

Table 9.25-15 summarizes the comprehensive-range of specific mitigation initiatives the Village of Islandia would like to pursue in the future to reduce the effects of hazards. Some of these initiatives may be previous actions carried forward for this plan update. These initiatives are dependent upon available funding (grants and local match availability) and may be modified or omitted at any time based on the occurrence of new hazard events and changes in municipal priorities. Both the four FEMA mitigation action categories and the six CRS mitigation action categories are listed in the table below to further demonstrate the wide-range of activities and mitigation measures selected.

As discussed in Section 6 (Mitigation Strategy), fourteen criteria are used to evaluate and prioritize each proposed mitigation action. A numeric factor is assigned (-1, 0, or 1) to each criterion to provide a relative indication of the opportunities and constraints of each action. A numerical sum of the input provides the basis of the prioritization of actions wherein each action is assigned a category of Low, Medium, or High to indicate an implementation hierarchy. A High priority action indicates the jurisdiction will prioritize its implementation and apply for funding, if needed, as opportunities become available during the plan period of performance. This does not prevent the jurisdiction from implementing other ranked actions; however, this provides a snapshot of implementation priority at the time of this plan update.

Table 9.25-16 provides a summary of the evaluation and prioritization for each proposed mitigation initiative. Refer to the action worksheets at the end of this annex for more details on the high-ranked hazards identified first for implementation.

## Table 9.25-15. Proposed Hazard Mitigation Initiatives

| Project Number | Project Name | Goals Met | Hazard(s) to be Mitigated | Description of Problem and Solution | Critical Facility (Yes/No) | EHP Issues | Estimated Timeline | Lead Agency | Estimated Costs | Estimated Benefits | Potential Funding Sources | Priority | Mitigation Category | CRS Category |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2020-Islandia-001 | Village Hall Backup Power | 1, 2, 7 | All hazards | **Problem**: Village Hall lacks a backup power source.<br>**Solution**: The Village Engineer will research what size generator is necessary to supply backup power to the Village Hall. The Village will then install a backup power generator and necessary electrical components. | Yes | None | 1 year | Building Department | $50,000 | Ensures continuity of operations of Village Hall | FEMA HMGP and PDM, USDA Community Facilities Grant Program, Emergency Management Performance Grants (EMPG) Program, Municipal Budget | High | SIP | ES |
| 2020-Islandia-002 | LED Streetlights | 7 | Hurricane, Nor'Easter, Severe Storm, Severe Winter Storm | **Problem**: Village streetlights are currently 250 Watt high pressure sodium bulbs. These lights do not last as long, use more power, and are dim compared to LED lights. Dim lighting increases traffic safety risk during hazard events.<br>**Solution**: The Village will replace the existing 250 Watt sodium bulbs with LED lighting. | No | None | Within 5 years | Building Department | TBD | Increased traffic safety during hazard events, lower energy consumption | FEMA HMGP, Municipal Budget | High | SIP | PP, ES |
| 2020-Islandia-003 | Digitize Recordkeeping | 6, 7 | All hazards | **Problem**: Paperwork and records in the Village are still kept in hardcopy form but most are not digitized. This makes record keeping difficult and presents a concern for the potential loss of critical records.<br>**Solution**: The Village will move to digitize record keeping. | No | None | Within 5 years | Building Department, Administration | $25,000 | Protection of important documents | Municipal budget | High | LPR | PR |

*Notes:*

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

*Acronyms and Abbreviations:*

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

*Potential FEMA HMA Funding Sources:*

| | |
|---|---|
| *FMA* | *Flood Mitigation Assistance Grant Program* |
| *HMGP* | *Hazard Mitigation Grant Program* |
| *PDM* | *Pre-Disaster Mitigation Grant Program* |

*Timeline:*

*The time required for completion of the project upon implementation*

*Cost:*

*The estimated cost for implementation.*

*Benefits:*

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

*Critical Facility:*

*Yes* *Critical Facility located in 1% floodplain*

*Mitigation Category:*

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

*CRS Category:*

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

### Table 9.25-16. Summary of Prioritization of Actions

| Project Number | Project Name | Life Safety | Property Protection | Cost-Effectiveness | Technical | Political | Legal | Fiscal | Environmental | Social | Administrative | Multi-Hazard | Timeline | Agency Champion | Other Community Objectives | Total | High / Medium / Low |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2020-Islandia-001 | Village Hall Backup Power | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 13 | High |
| 2020-Islandia-002 | LED Streetlights | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 11 | High |
| 2020-Islandia-003 | Digitize Recordkeeping | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 11 | High |

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

## 9.25.11 Proposed Mitigation Action Types

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

**Table 9.25-17. Analysis of Mitigation Actions by Hazard and Category**

| | FEMA | | | | CRS | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Hazard** | LPR | SIP | NSP | EAP | PR | PP | PI | NR | SP | ES |
| Coastal Erosion | 2020-Islandia-003 | 2020-Islandia-001 | | | 2020-Islandia-003 | | | | | 2020-Islandia-001 |
| Cyber Security | 2020-Islandia-003 | 2020-Islandia-001 | | | 2020-Islandia-003 | | | | | 2020-Islandia-001 |
| Disease Outbreak | 2020-Islandia-003 | 2020-Islandia-001 | | | 2020-Islandia-003 | | | | | 2020-Islandia-001 |
| Drought | 2020-Islandia-003 | 2020-Islandia-001 | | | 2020-Islandia-003 | | | | | 2020-Islandia-001 |
| Earthquake | 2020-Islandia-003 | 2020-Islandia-001 | | | 2020-Islandia-003 | | | | | 2020-Islandia-001 |
| Expansive Soils | 2020-Islandia-003 | 2020-Islandia-001 | | | 2020-Islandia-003 | | | | | 2020-Islandia-001 |
| Extreme Temperature | 2020-Islandia-003 | 2020-Islandia-001 | | | 2020-Islandia-003 | | | | | 2020-Islandia-001 |
| Flood | 2020-Islandia-003 | 2020-Islandia-001 | | | 2020-Islandia-003 | | | | | 2020-Islandia-001 |
| Groundwater Contamination | 2020-Islandia-003 | 2020-Islandia-001 | | | 2020-Islandia-003 | | | | | 2020-Islandia-001 |
| Hurricane | 2020-Islandia-003 | 2020-Islandia-001, 2020-Islandia-002 | | | 2020-Islandia-003 | 2020-Islandia-002 | | | | 2020-Islandia-001, 2020-Islandia-002 |
| Infestation and Invasive Species | 2020-Islandia-003 | 2020-Islandia-001 | | | 2020-Islandia-003 | | | | | 2020-Islandia-001 |
| Nor'easter | 2020-Islandia- | 2020-Islandia- | | | 2020-Islandia- | 2020-Islandia-002 | | | | 2020-Islandia-001, 2020- |

| | FEMA | | | | CRS | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Hazard** | LPR | SIP | NSP | EAP | PR | PP | PI | NR | SP | ES |
| | 003 | 001, 2020-Islandia-002 | | | 003 | | | | | Islandia-002 |
| Severe Storm | 2020-Islandia-003 | 2020-Islandia-001, 2020-Islandia-002 | | | 2020-Islandia-003 | 2020-Islandia-002 | | | | 2020-Islandia-001, 2020-Islandia-002 |
| Severe Winter Storm | 2020-Islandia-003 | 2020-Islandia-001, 2020-Islandia-002 | | | 2020-Islandia-003 | 2020-Islandia-002 | | | | 2020-Islandia-001, 2020-Islandia-002 |
| Shallow Groundwater | 2020-Islandia-003 | 2020-Islandia-001 | | | 2020-Islandia-003 | | | | | 2020-Islandia-001 |
| Wildfire | 2020-Islandia-003 | 2020-Islandia-001 | | | 2020-Islandia-003 | | | | | 2020-Islandia-001 |

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

## 9.25.12 Staff and Local Stakeholder Involvement in Annex Development

The Village of Islandia followed the planning process described in Section 3 (Planning Process) in Volume I of this plan update. This annex was developed over the course of several months with input from many Village departments, including the Building Department. The Building Inspector represented the community on the Suffolk County Hazard Mitigation Plan Planning Partnership, and supported the local planning process requirements by securing input from persons with specific knowledge to enhance the plan. All departments were asked to contribute to the annex development through reviewing and contributing to the capability assessment, reporting on the status of previously identified actions, and participating in action identification and prioritization.

The following table summarizes who participated and in what capacity. Additional documentation on the municipality's planning process through Planning Partnership meetings is included in Section 3 (Planning Process) and Appendix C (Meeting Documentation).

**Table 9.25-18. Contributors to the Annex**

| Name | Title/Entity | Method of Participation |
|---|---|---|
| Gerald Peters | Building Inspector | Primary point of contact, NFIP Floodplain Administrator, attended plan participant meetings, provided impact data, contributed to mitigation strategy. |
| Allan Dorman | Mayor | Alternate point of contact |

## 9.25.13 Hazard Area Extent and Location

Hazard area extent and location maps have been generated for the Village of Islandia that illustrate the probable areas that may be impacted within the municipality. These maps are based on the best available data at the time of the preparation of this plan and are considered to be adequate for planning purposes. The maps have only been generated for those hazards that can be clearly identified using mapping techniques and technologies, and for which the Village of Islandia has significant exposure.

**Figure 9.25-1. Village of Islandia Hazard Area Extent and Location Map 1**

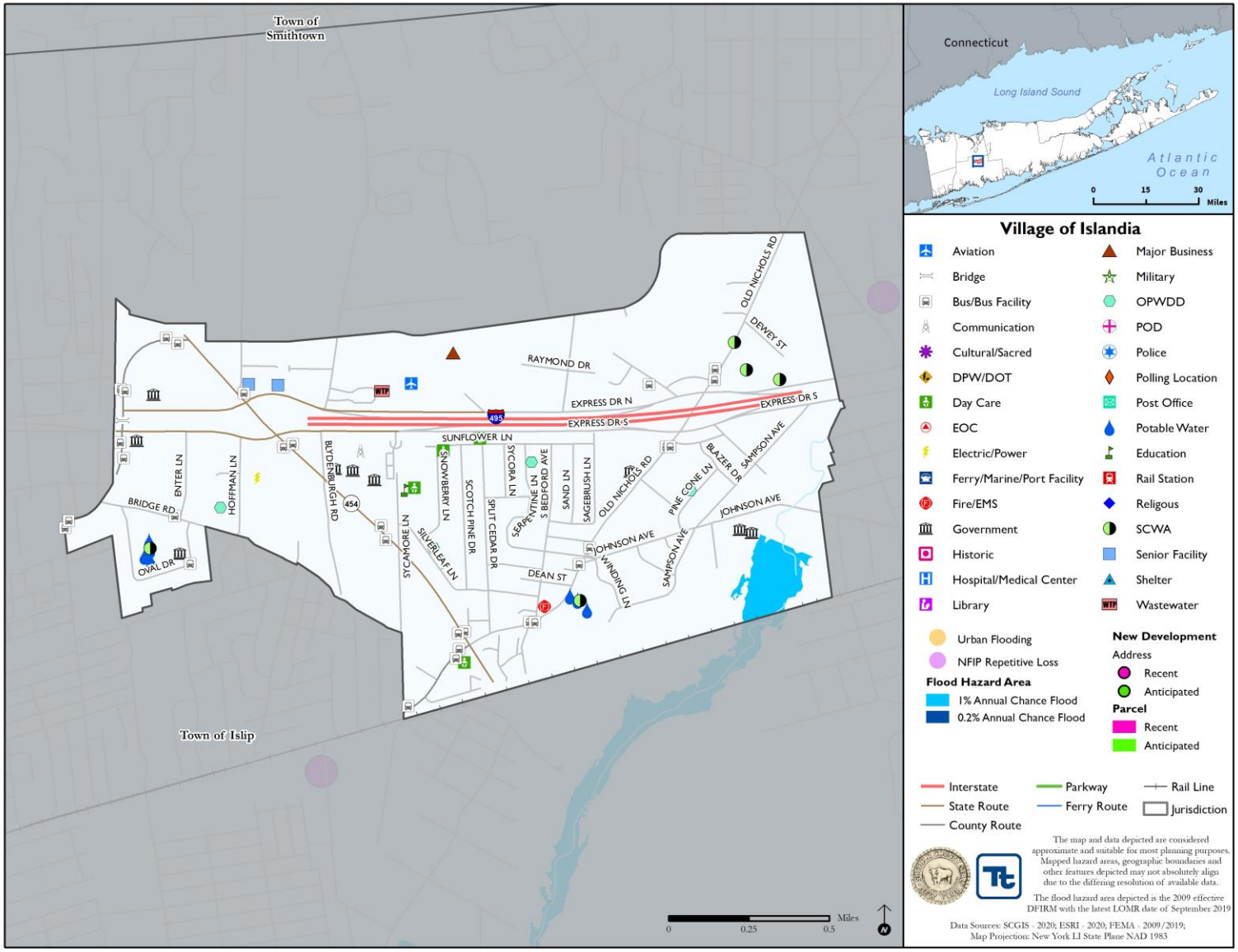


**Figure 9.25-2. Village of Islandia Hazard Area Extent and Location Map 2**

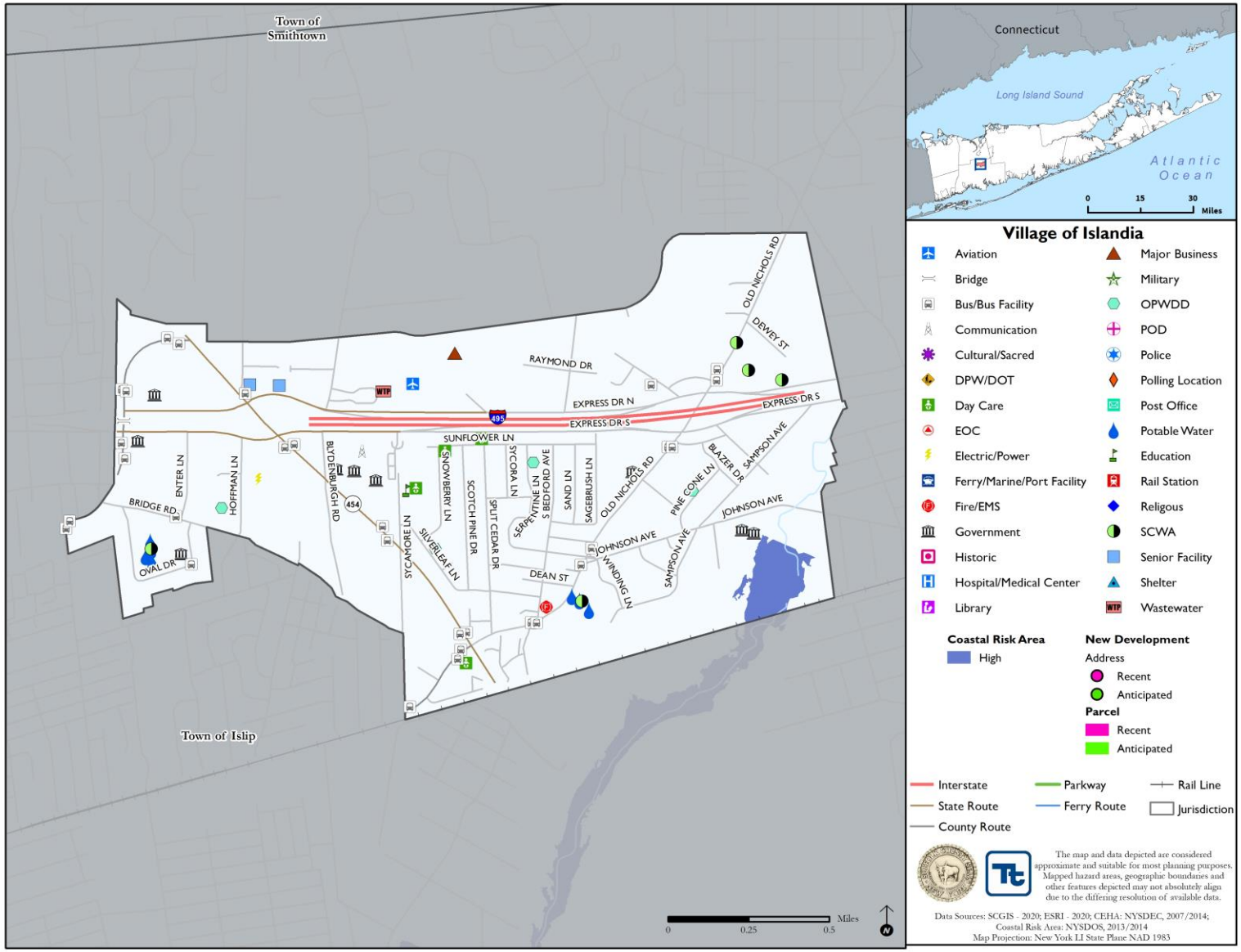


**Figure 9.25-3. Village of Islandia Hazard Area Extent and Location Map 3**

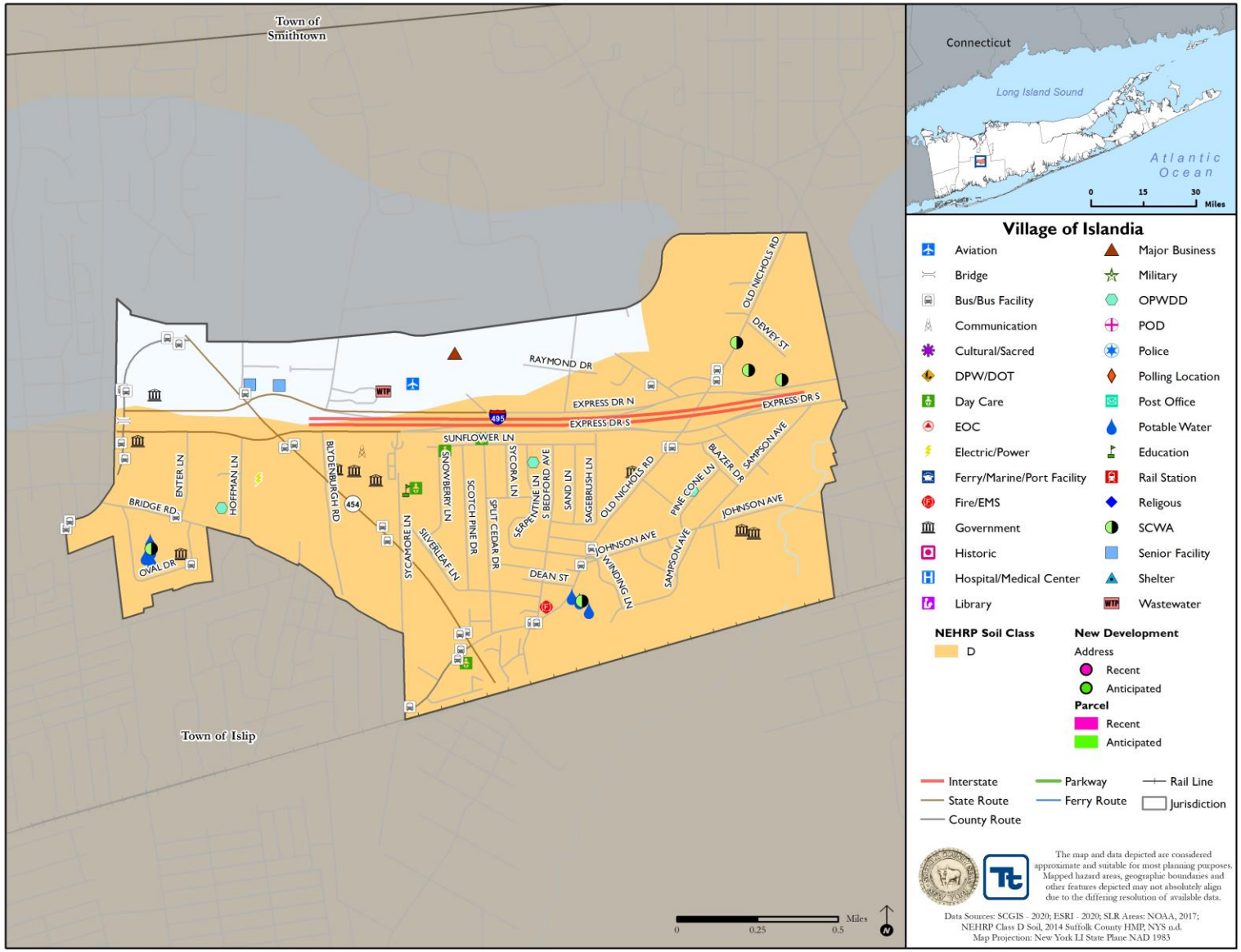
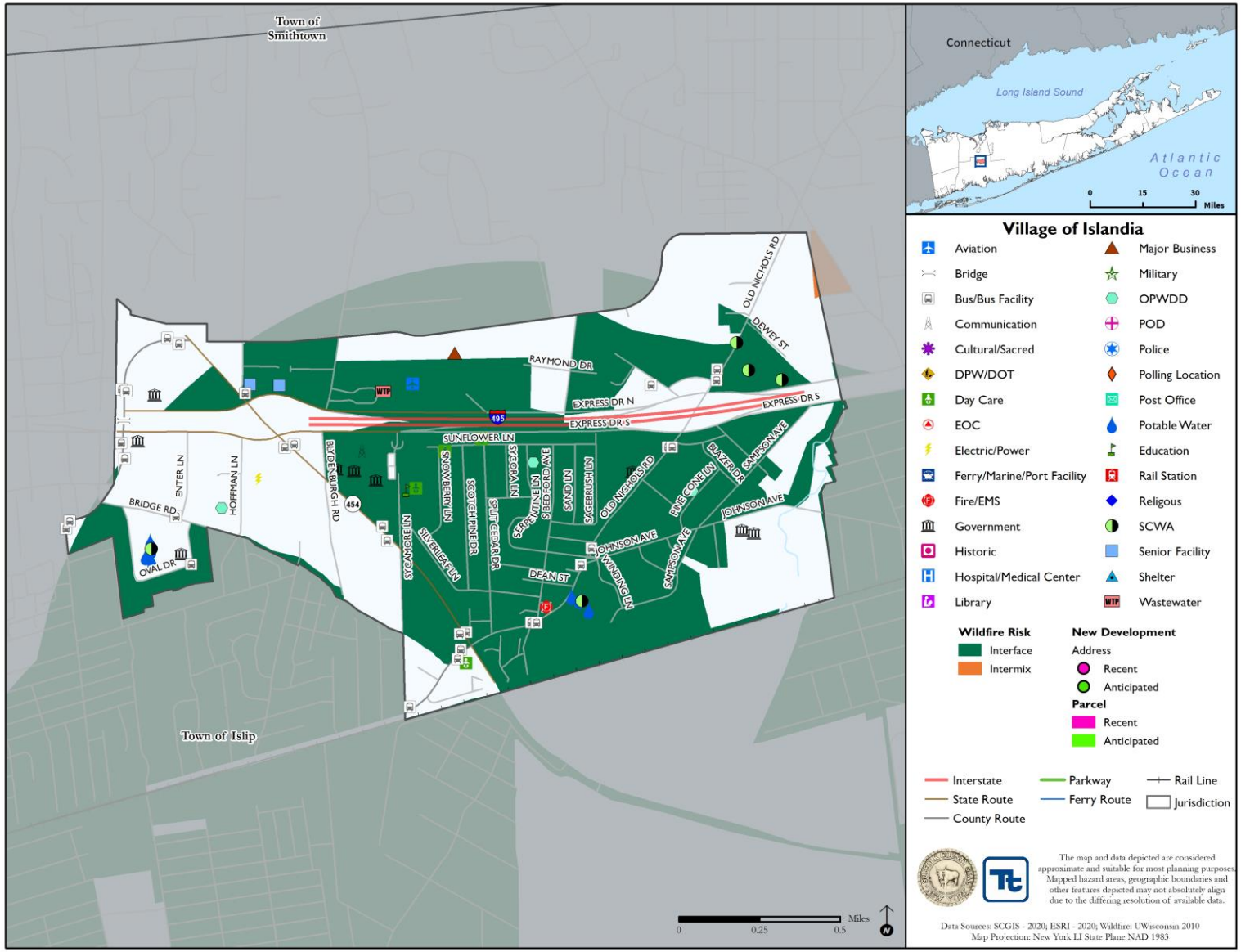


**Figure 9.25-4. Village of Islandia Hazard Area Extent and Location Map 4**



| Action Worksheet | | | |
|---|---|---|---|
| **Project Name:** | Village Hall Backup Power | | |
| **Project Number:** | 2020-Islandia-001 | | |
| **Risk / Vulnerability** | | | |
| **Hazard(s) of Concern:** | All hazards | | |
| **Description of the Problem:** | Backup power sources are necessary to maintain critical services for critical facilities. The Village Hall lacks a permanent power source. | | |
| **Action or Project Intended for Implementation** | | | |
| **Description of the Solution:** | The Village Engineer will research what size generator is necessary to supply backup power to the Village Hall. The Village will then install a backup power generator and necessary electrical components. | | |
| **Is this project related to a Critical Facility?** | Yes ☒ | No ☐ | |
| **Is this project related to a Critical Facility located within the 100-year floodplain?** | Yes ☐ | No ☒ | |
| (If yes, this project must intend to protect the 500-year flood event or the actual worse case damage scenario, whichever is greater) | | | |
| **Level of Protection:** | N/A | **Estimated Benefits (losses avoided):** | Ensures continuity of operations of Village Hall |
| **Useful Life:** | 20 years | **Goals Met:** | 1, 2, 7 |
| **Estimated Cost:** | $50,000 | **Mitigation Action Type:** | Structure and Infrastructure Projects (SIP) |
| **Plan for Implementation** | | | |
| **Prioritization:** | High | **Desired Timeframe for Implementation:** | Immediately after funding received |
| **Estimated Time Required for Project Implementation:** | 1 year | **Potential Funding Sources:** | FEMA HMGP and PDM, USDA Community Facilities Grant Program, Emergency Management Performance Grants (EMPG) Program, Municipal Budget |
| **Responsible Organization:** | Building Department | **Local Planning Mechanisms to be Used in Implementation if any:** | Hazard Mitigation, Emergency Management |

| Three Alternatives Considered (including No Action) | | | |
|---|---|---|---|
| **Alternatives:** | **Action** | **Estimated Cost** | **Evaluation** |
| | No Action | $0 | Problem continues. |
| | Install solar panels | $100,000 | Weather dependent; need large amount of space for installation; expensive if repairs needed |
| | Install wind turbine | $100,000 | Weather dependent; poses a threat to wildlife; expensive repairs if needed |

| Progress Report (for plan maintenance) | |
|---|---|
| **Date of Status Report:** | |
| **Report of Progress:** | |
| **Update Evaluation of the Problem and/or Solution:** | |

| Action Worksheet | | |
|---|---|---|
| **Project Name:** | Village Hall Backup Power | |
| **Project Number:** | 2020-Islandia-001 | |
| **Criteria** | **Numeric Rank (-1, 0, 1)** | **Provide brief rationale for numeric rank when appropriate** |
| **Life Safety** | 1 | Project will protect critical services of Village Hall |
| **Property Protection** | 1 | Project will protect Village Hall from power loss. |
| **Cost-Effectiveness** | 1 | |
| **Technical** | 1 | |
| **Political** | 1 | |
| **Legal** | 1 | The Village has the legal authority to complete the project. |
| **Fiscal** | 0 | Project requires funding support. |
| **Environmental** | 1 | |
| **Social** | 1 | |
| **Administrative** | 1 | |
| **Multi-Hazard** | 1 | All hazards |
| **Timeline** | 1 | 1 year |
| **Agency Champion** | 1 | Building Department |
| **Other Community Objectives** | 1 | |
| **Total** | 13 | |
| **Priority (High/Med/Low)** | High | |

| Action Worksheet | | | |
|---|---|---|---|
| **Project Name:** | LED Streetlights | | |
| **Project Number:** | 2020-Islandia-003 | | |
| **Risk / Vulnerability** | | | |
| **Hazard(s) of Concern:** | Hurricane, Nor'Easter, Severe Storm, Severe Winter Storm | | |
| **Description of the Problem:** | Village streetlights are currently 250-Watt high pressure sodium bulbs. These lights do not last as long, use more power, and are dim compared to LED lights. Dim lighting increases traffic safety risk during hazard events. | | |
| **Action or Project Intended for Implementation** | | | |
| **Description of the Solution:** | The Village will replace the existing 250-Watt sodium bulbs with LED lighting. | | |
| **Is this project related to a Critical Facility?** | Yes ☐ | No ☒ | |
| **Is this project related to a Critical Facility located within the 100-year floodplain?** | Yes ☐ | No ☒ | |
| (If yes, this project must intend to protect the 500-year flood event or the actual worse case damage scenario, whichever is greater) | | | |
| **Level of Protection:** | N/A | **Estimated Benefits (losses avoided):** | Increased traffic safety during hazard events, lower energy consumption |
| **Useful Life:** | 10-15 years | **Goals Met:** | 7 |
| **Estimated Cost:** | TBD | **Mitigation Action Type:** | Structure and Infrastructure Projects (SIP) |
| **Plan for Implementation** | | | |
| **Prioritization:** | High | **Desired Timeframe for Implementation:** | Immediately after funding received |
| **Estimated Time Required for Project Implementation:** | 5 years | **Potential Funding Sources:** | FEMA HMGP, Municipal Budget |
| **Responsible Organization:** | Building Department | **Local Planning Mechanisms to be Used in Implementation if any:** | Hazard Mitigation, Emergency Management |

| Three Alternatives Considered (including No Action) | | | |
|---|---|---|---|
| **Alternatives:** | **Action** | **Estimated Cost** | **Evaluation** |
| | No Action | $0 | Problem continues. |
| | Install solar panels to reduce energy consumption of lights | $100,000 | Weather dependent; still not as bright |
| | Install wind turbine to reduce emergency consumption of lights | $100,000 | Weather dependent; still not as bright |

| Progress Report (for plan maintenance) | |
|---|---|
| **Date of Status Report:** | |
| **Report of Progress:** | |
| **Update Evaluation of the Problem and/or Solution:** | |

| Action Worksheet | | |
|---|---|---|
| **Project Name:** | LED Streetlights | |
| **Project Number:** | 2020-Islandia-003 | |
| **Criteria** | **Numeric Rank (-1, 0, 1)** | **Provide brief rationale for numeric rank when appropriate** |
| **Life Safety** | 1 | Project will increase traffic safety during hazard events |
| **Property Protection** | 0 | |
| **Cost-Effectiveness** | 1 | |
| **Technical** | 1 | |
| **Political** | 1 | |
| **Legal** | 1 | The Village has the legal authority to complete the project. |
| **Fiscal** | 0 | Project requires funding support. |
| **Environmental** | 1 | |
| **Social** | 1 | |
| **Administrative** | 1 | |
| **Multi-Hazard** | 1 | All hazards |
| **Timeline** | 0 | 5 years |
| **Agency Champion** | 1 | Building Department |
| **Other Community Objectives** | 1 | |
| **Total** | 11 | |
| **Priority (High/Med/Low)** | High | |