

Village of Laurel Hollow Annex

This document presents the Village of Laurel Hollow’s annex to the *Nassau County Multi-Jurisdictional Hazard Mitigation Plan*.

Hazard Mitigation Plan Points of Contact

The individuals below have been identified as this jurisdiction’s points of contact for the hazard mitigation plan. These individuals are members of the Planning Committee that met regularly for the update of this plan and will continue to meet in the years ahead to implement it.

Primary Point of Contact	Alternate Point of Contact
Elizabeth Kaye, Clerk & Treasurer Village of Laurel Hollow 1492 Laurel Hollow Road Syosset, NY 11791 clerktreasurer@laurelhollow.org 516-692-8826	Jeffrey Nemshin, Deputy Mayor Village of Laurel Hollow 1492 Laurel Hollow Road Syosset, NY 11791 clerktreasurer@laurelhollow.org 516-692-8826

Profile

The Village of Laurel Hollow covers approximately 2.92 square miles¹ and has a total population of 1,982 according to the American Community Survey 5-year 2018 Estimates. Some of the demographics of the Village of Laurel Hollow are summarized in Table 1. This information supported the development of mitigation actions that account for the needs of the most vulnerable individuals in the community.

Table 1: Village of Laurel Hollow Demographic Information

Demographic		Demographic	
Below 5 Years Old	4.2%	Black or African American alone	1.3%
Above 65 Years Old	15.2%	American Indian and Alaska Native alone	0.0%
Individuals with Disabilities	Information not provided	Asian alone	6.6%
Persons in Poverty	6.3%	Native Hawaiian and other Pacific Islander alone	0.0%
Renters	4.4%	Two or More Races	0.8%
Without a High School Diploma	98.2%	White alone, not Hispanic or Latino, percent	84.3%
Without Access to Broadband Internet	0.0%	Hispanic or Latino	0.0%

¹ This is inclusive of land area only.

The Village of Laurel Hollow has seen recent growth in residential renovations and/or new home construction, which has been continuous for the past five years. Currently, permitted land includes additional residential renovations and/or new home construction. A portion of a deck associated with a cabana was constructed in the 100-year floodplain. Permits for development extend to residential subdivisions greater than 2 acres outside of the floodplain. By understanding these development trends and how they intersect with hazard-prone areas, this allows for current and future vulnerabilities to be planned for and avoided.

Refer to the **County Profile** section of this plan for additional information related to current and future conditions of the County’s vulnerable population and the natural environment. This information provides important context for understanding hazard mitigation planning.

Hazard Vulnerability

This section summarizes how the natural hazards profiled in Section 4 of this plan impact the Village of Laurel Hollow. The jurisdiction identified Coastal Hazards, Severe Winter Weather, and Wind as the natural hazards that most impact the community. Table 2 shows the sectors of the community that are most likely to be impacted by each hazard. The categories that were considered included the community, economy, health and social services, housing, infrastructure, natural and cultural resources, or no impact. No impact indicates that the jurisdiction did not identify a noticeable impact from the hazard over the past five years, even if the hazard occurs. This information was used to develop a relevant and effective mitigation strategy for the jurisdiction. Detailed hazard event histories, critical facility exposure, and additional vulnerability information can be found in each hazard profile in Section 4 of this plan.

The hazards that most impact the Village of Laurel Hollow include:

**Coastal Hazards,
Severe Winter Weather,
and Wind.**

Table 2: Village of Laurel Hollow Hazard Impacts

Hazard	Impact Categories
Coastal Hazards	Infrastructure
Drought	No Impact
Extreme Temperatures	No Impact
Flooding	Infrastructure
Ground Failure	No Impact
Hurricane and Tropical Storms	Infrastructure, Natural and Cultural Resources
Hail	No Impact
Lightning	No Impact
Severe Winter Weather	Infrastructure, Natural and Cultural Resources
Tornados	No Impact
Wind	Infrastructure, Natural Cultural Resources

Capability Assessment

This section summarizes the capabilities that the Village of Laurel Hollow has in place that can support hazard mitigation. These capabilities include plans, ordinances, staff, financial resources, and program participation. This Capability Assessment was used to help drive the identification and development of the projects presented in the Mitigation Strategy to make sure that they are appropriate in scope and achievable to implement.

Legal and Regulatory Capability Assessment

Table 3 lists the assessment of existing legal and regulatory tools for the Village of Laurel Hollow. The Village of Laurel Hollow maintains several key administrative and technical capabilities to support mitigation, including building codes, emergency response plans, floodplain management plans, site plan review requirements, stormwater management plans, subdivision ordinances, and zoning ordinances. These capabilities are critical to consider as tools in developing and implementing mitigation strategies. To further enhance their mitigation capabilities, the Village can consider the capabilities in the table below that the Village currently does not have. These additional capabilities would either support creating a legal framework or strategy for implementing a diversity of mitigation actions.

Table 3: Village of Laurel Hollow Existing Legal and Regulatory Capabilities

Regulatory Tool	Yes / No	Citation (if applicable)
Access and Functional Needs Plan	No	
Building Code	Yes	NYS Building Code
Capital Improvement Plan	No	
Climate Action Plan	No	
Community Development Plan	No	
Comprehensive Plan / Master Plan	No	
Economic Development Plan(s)	No	
Emergency Response Plan(s)	Yes	Nassau County Plan
Floodplain Management Plan(s)	Yes	57-12
Growth Management Plan(s)	No	
NFIP Flood Damage Prevention Ordinance(s)	No	
Open Space Plan(s)	No	
Post Disaster Recovery Ordinance(s)	No	
Post Disaster Recovery Plan(s)	No	
Real Estate Disclosure Requirements	No	
Resilience Plan(s)	No	
Site Plan Review Requirement(s)	Yes	Village Building Inspector and Village Engineer
Small Area Development Plan(s)	No	

Regulatory Tool	Yes / No	Citation (if applicable)
Special Purpose Ordinance(s)	No	
Stormwater Management Plan(s)	Yes	Chapter 42 of Code
Subdivision Ordinance(s)	Yes	Chapter 114 of Code
Transportation Plan(s)	No	
Zoning Ordinance(s)	Yes	Chapter 145 of the Code

Administrative and Technical Capability Assessment

Table 4 lists the assessment of existing administrative and technical tools for the Village of Laurel Hollow. The Village of Laurel Hollow has a high level of primary administrative and technical capabilities to support mitigation. This includes engineering, administration, and construction. Increasing training capacity and expertise of these individuals will support mitigation practice in the Village. Diversifying expertise to be inclusive of planning and analyst skills will also support mitigation practice.

Table 4: Village of Laurel Hollow Existing Staff / Personnel Resource

Staff / Personnel Resource	Yes / No	Details
Emergency Manager(s)	Yes	Emergency Management, Appointee
Engineer(s) trained in construction practices related to buildings/infrastructure	Yes	Village Engineer
Engineer(s) with an understanding of natural and/or human caused hazards	Yes	Village Engineer
Engineer(s) with knowledge of land development and land management practices	Yes	Village Engineer
Grant Writers	No	
Personnel skilled or trained in Geographic Information Systems	No	
Personnel trained in construction practices related to buildings/infrastructure	Yes	Building Inspector
Planner(s) with an understanding of natural hazards	No	
Planner(s) with knowledge of land development and land management practices	No	
Scientist(s) familiar with natural hazards	No	
Surveyors	No	

Fiscal Capability Assessment

Table 5 lists the assessment of existing fiscal tools for the Village of Laurel Hollow. Funding is often the biggest barrier when implementing mitigation programs. The Village is primarily able to fund mitigation programs by capital improvements project funding and state mitigation grant programs. Village of Laurel Hollow should consider explore additional fiscal capabilities in order to gain access to additional funding for mitigation.

Table 5: Village of Laurel Hollow Existing Fiscal Capabilities

Resources	Yes / No	Additional Details
Ability to incur debt through general obligation bonds	No	
Ability to incur debt through private activity bonds	No	
Ability to incur dept through special tax bonds	No	
Authority to levy taxes for specific purposes	No	
Authority to utilize user fees for utility services	No	
Authority to withhold public expenditures in hazard prone areas	No	
Capital improvements project funding	Yes	
Community Development Block Grants (CDBG)	No	
Impact fees for home buyers and/or developers	No	
State mitigation grant programs	Yes	NYS Senator State Grant

Community Classification Assessment

Table 6 lists the assessment of existing community classifications for the Village of Laurel Hollow. Exploring gaining one or more community classifications will guide the Village's mitigation programs and support capacity building.

Table 6: Village of Laurel Hollow Community Classifications

Classification	Yes/No (or Status)
Building Code Effectiveness Grading Schedule (BCEGS)	No
Public Protection Classification Program	No
Community Rating System (CRS)	No
Other Classifications	No

National Flood Insurance Program Summary

This section provides a summary of the floodplain management capabilities for Village of Laurel Hollow and how the jurisdiction is meeting the requirements of the National Flood Insurance Program (NFIP). Flood-prone areas in the Village include shoreline areas along Cold Spring Harbor.

The Village's Building Inspector and the Village Engineer are responsible for floodplain management. The Village administers the NFIP through reviewing and issuing building permits. The Village did not note any current barriers to running a successful NFIP program. The flood maps for this jurisdiction accurately portray the current flood risk. There are currently no RiskMAP projects ongoing in this jurisdiction.

The Village of Laurel Hollow is in good standing with the NFIP. Based on documentation received from NYSDEC, the Village had its last Community Assistance Contact on 01/30/2020 and its last Community Assistance Visit on 08/03/2010. There are no NFIP compliance violations that need to be addressed in this jurisdiction. The Flood Damage Prevention Ordinance for the Village of Laurel Hollow meets minimum requirements. The ordinance was last amended 2009 and can be referenced in Chapter 57 of the Village Code.

Mitigation Strategy

The following section provides an overview of the mitigation strategy for Village of Laurel Hollow. It provides an overview of the jurisdiction's previous mitigation actions, proposed actions, and the NYS mitigation worksheets.

Previous Mitigation Actions

Action	Initiate a community hazard awareness program. Through various forms of community outreach, residents will be informed of critical steps to take to prepare for an unexpected emergency, and actions to take during and following a local emergency.
Risk Category	Severe weather emergencies
Project Status	Completed
Project Status Description	Ongoing Swiftreach communication as needed
Carried Forward to 2020 Plan	No
Required Changes	No

Proposed Mitigation Actions

Project Number	VLH_1	VLH_2	VLH_3
Project Name	Community Hazard Awareness Program	Flood Study on Laurel Hollow Rd.	Replace/refurbish seawall
Goal being met	4	4	1, 2, 3
Hazards to be mitigated	Severe weather emergencies	Erosion, Flooding, Sea Level Rise, Severe Winter Weather, Storm Surge	Flooding
Priority Ranking	High	High	High
Description of the Problem	In an effort to promote community resiliency, and enhance the ability of residents to immediately respond to and recover from disasters and emergencies Laurel Hollow implemented a Community Hazard Awareness Program	There is a history of flooding on the main road in the Village, within a 200-acre watershed adjoining Cold Spring Harbor	Historic damage to two existing stone seawalls due to severe storms, including wind storms, nor'easters, tropical storms, and hurricanes which caused a storm surge. The walls protect the Village Hall property, including the parking areas for Village Hall and the Village beach and boat ramp.
Description of the Solution	Inform residents of critical steps to take to prepare for an unexpected emergency, and actions to take during and following a local emergency through various community outreach forms..	Conducting a study of the watershed, including hydrologic and hydraulic analyses, and an evaluation of the feasibility of potential solutions to handle stormwater runoff.	Structural embellishments and/or repairs, and/or replacement of the walls, to include shoreline stabilization to help protect Village facilities.
Critical Facility	No	No	Yes
EHP Issues	Unknown	Unknown	Unknown
Estimated Timeline	Ongoing from: 2014 - 2015	1 Year	1 - 2 Years
Lead Agency	Village of Laurel Hollow	Village of Laurel Hollow	Village of Laurel Hollow
Estimated Costs	To be determined	\$10,000 - \$20,000	\$100,000- \$200,000
Estimated Benefits	Residents will become knowledgeable of critical steps to take to prepare for an unexpected emergency which will increase the resiliency of the whole community; and become aware of actions to take during and following a local emergency to which will improve response and recovery capabilities	Finding a solution to damage of public and private properties and the protection of Laurel Hollow Village Hall and its' facilities.	Finding a solution to damage of public and private properties and the protection of Laurel Hollow Village Hall and its' facilities.
Potential Funding Sources	FEMA Grants and Municipal Budgets	NY State or Federal Grants	NY State or Federal grants or funding

Mitigation Action Worksheets

The following pages contain mitigation action worksheets that provide additional detail some of the jurisdiction's proposed mitigation actions.

Nassau County Multi-Jurisdictional Hazard Mitigation Plan

Name of Jurisdiction: Village of Laurel Hollow

NYS DHSES Action Worksheet			
Project Name:	Replace/refurbish Seawall		
Project Number:	VLH_3		
Risk / Vulnerability			
Hazard of Concern:	Erosion, Flooding, Sea Level Rise, Severe Winter Weather, Storm Surge		
Description of the Problem:	Historic damage to two existing stone seawalls due to severe storms, including windstorms, nor'easters, tropical storms, and hurricanes which caused a storm surge. The walls protect the Village Hall property, including the parking areas for Village Hall and the Village beach and boat ramp.		
Action or Project Intended for Implementation			
Description of the Solution:	Structural embellishments and/or repairs, and/or replacement of the walls, to include shoreline stabilization to help protect Village facilities.		
Is this project related to a Critical Facility?		Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
(If yes, this project must intend to protect to the 500-year flood event or the actual worst damage scenario, whichever is greater.)			
Level of Protection:	500 years	Estimated Benefits (losses avoided):	Finding a solution to damage of public and private properties and the protection of Laurel Hollow Village Hall and its' facilities.
Useful Life:	100 years		
Estimated Cost:	\$100,000 - \$200,000		
Plan for Implementation			
Prioritization:	High	Desired Timeframe for Implementation:	2025
Estimated Time Required for Project Implementation:	1-2 Years	Potential Funding Sources:	NYS or Federal grants or funding
Responsible Organization:	Village of Laurel Hollow	Local Planning Mechanisms to be Used in Implementation, if any:	
Three Alternatives Considered (including No Action)			
Alternatives:	<i>Action</i>	<i>Estimated Cost</i>	<i>Evaluation</i>
	No Action	\$0	Potential damage to Laurel Hollow Village Hall and Village facilities
	Boulder armoring	\$75,000	Structural protection from wave action
	Replacement of seawall	\$200,000	Total protection from a 500-Year flood
Progress Report (for plan maintenance)			
Date of Status Report:			
Report of Progress:			
Update Evaluation of the Problem and/or Solution:			

Instructions

(Name of Jurisdiction) _____

NYS DHSES Action Worksheet			
Project Name:	Each action must have a unique project number referenced here and in the Action Tables.		
Project Number:	Each action must have a unique project name referenced here and in the Action Tables.		
Risk / Vulnerability			
Hazard of Concern:	Identify the hazard being addressed with this action.		
Description of the Problem:	Provide a detailed narrative of the problem. Describe the natural hazard you wish to mitigate, its impacts to the jurisdiction, past damages and loss of service, etc. Include the street address of the property/project location (if applicable), adjacent streets, and easily identified landmarks such as water bodies and well-known structures, and end with a brief description of existing conditions (topography, terrain, hydrology) of the site.		
Action or Project Intended for Implementation			
Description of the Solution:	Provide a detailed narrative of the solution. Describe the physical area (project limits) to be affected, both by direct work and by the project's effects; how the action would address the existing conditions previously identified; proposed construction methods, including any excavation and earth-moving activities; where you are in the development process (e.g., are studies and/or drawings complete), etc., the extent of any analyses or studies performed (attach any reports or studies).		
Is this project related to a Critical Facility?		Yes <input type="checkbox"/>	No <input type="checkbox"/>
(If yes, this project must intend to protect to the 500-year flood event or the actual worst damage scenario, whichever is greater.)			
Level of Protection:	Identify the level of protection the proposed project will provide. Ex. 100-year (1%) flood.	Estimated Benefits (losses avoided):	Identify the benefits that implementation of this project will provide. If dollar amounts are known, include them. If dollar amounts are unknown or are unquantifiable, describe the losses that will be avoided.
Useful Life:	Identify the number of years the project will provide protection against the hazard.		
Estimated Cost:	Identify all estimated costs associated with implementation.		
Plan for Implementation			
Prioritization:	Identify the priority based on the prioritization method agreed upon.	Desired Timeframe for Implementation:	Identify the desired start time for this project. Ex. Within 6 months.
Estimated Time Required for Project Implementation:	Provide the estimated time required to complete the project from start to end.	Potential Funding Sources:	Multiple sources of potential funding should be listed when appropriate.
Responsible Organization:	Identify the name of a department or agency responsible for implementation, not the jurisdiction.	Local Planning Mechanisms to be Used in Implementation, if any:	Consider the use of local planning mechanisms that will be used to implement this project.
Three Alternatives Considered (including No Action)			
Alternatives:	<i>Action</i>	<i>Estimated Cost</i>	<i>Evaluation</i>
	No Action	\$0	
	Alternative 1 Brief Description		Include a description of pros/cons of Alternative 1.
	Alternative 2 Brief Description		Include a description of pros/cons of Alternative 2.
Progress Report (for plan maintenance)			
Date of Status Report:	This section should be completed during plan maintenance/evaluation.		
Report of Progress:	Describe what progress, if any, has been made on this project. If it has been determined the jurisdiction no longer wishes to pursue implementation, state that here and indicate why.		
Update Evaluation of the Problem and/or Solution:	Provide an updated description of the problem and solution, and what has happened since initial consideration/development.		

Nassau County Multi-Jurisdictional Hazard Mitigation Plan

Name of Jurisdiction: Village of Laurel Hollow

NYS DHSES Action Worksheet			
Project Name:	Flood Study on Laurel Hollow Rd.		
Project Number:	VLH_2		
Risk / Vulnerability			
Hazard of Concern:	flooding		
Description of the Problem:	There is a history of flooding on the main road in the Village, within a 200-acre watershed adjoining Cold Spring Harbor		
Action or Project Intended for Implementation			
Description of the Solution:	Conduct a study of the watershed, including hydrologic and hydraulic analyses, and an evaluation of the feasibility of potential solutions to handle stormwater runoff.		
Is this project related to a Critical Facility?		Yes	No <input checked="" type="checkbox"/>
(If yes, this project must intend to protect to the 500-year flood event or the actual worst damage scenario, whichever is greater.)			
Level of Protection:	100-Year Flood	Estimated Benefits (losses avoided):	Finding a solution to damage of public and private properties and the protection of Laurel Hollow Village Hall and its' facilities.
Useful Life:	100 Years		
Estimated Cost:	\$10,000 - \$20,000		
Plan for Implementation			
Prioritization:	High	Desired Timeframe for Implementation:	2025
Estimated Time Required for Project Implementation:	1 Year	Potential Funding Sources:	NYS or Federal Grants
Responsible Organization:	Village of Laurel Hollow	Local Planning Mechanisms to be Used in Implementation, if any:	
Three Alternatives Considered (including No Action)			
Alternatives:	<i>Action</i>	<i>Estimated Cost</i>	<i>Evaluation</i>
	No Action	\$0	Continued flooding
	Installation of drains	\$20,000 to \$40,000	Ineffective and not comprehensive
	Requirement for on-site stormwater storage on properties	\$100,000	Not comprehensive, already required for new construction
Progress Report (for plan maintenance)			
Date of Status Report:			
Report of Progress:			
Update Evaluation of the Problem and/or Solution:			

Instructions

(Name of Jurisdiction) _____

NYS DHSES Action Worksheet			
Project Name:	Each action must have a unique project number referenced here and in the Action Tables.		
Project Number:	Each action must have a unique project name referenced here and in the Action Tables.		
Risk / Vulnerability			
Hazard of Concern:	Identify the hazard being addressed with this action.		
Description of the Problem:	Provide a detailed narrative of the problem. Describe the natural hazard you wish to mitigate, its impacts to the jurisdiction, past damages and loss of service, etc. Include the street address of the property/project location (if applicable), adjacent streets, and easily identified landmarks such as water bodies and well-known structures, and end with a brief description of existing conditions (topography, terrain, hydrology) of the site.		
Action or Project Intended for Implementation			
Description of the Solution:	Provide a detailed narrative of the solution. Describe the physical area (project limits) to be affected, both by direct work and by the project's effects; how the action would address the existing conditions previously identified; proposed construction methods, including any excavation and earth-moving activities; where you are in the development process (e.g., are studies and/or drawings complete), etc., the extent of any analyses or studies performed (attach any reports or studies).		
Is this project related to a Critical Facility?		Yes <input type="checkbox"/>	No <input type="checkbox"/>
(If yes, this project must intend to protect to the 500-year flood event or the actual worst damage scenario, whichever is greater.)			
Level of Protection:	Identify the level of protection the proposed project will provide. Ex. 100-year (1%) flood.	Estimated Benefits (losses avoided):	Identify the benefits that implementation of this project will provide. If dollar amounts are known, include them. If dollar amounts are unknown or are unquantifiable, describe the losses that will be avoided.
Useful Life:	Identify the number of years the project will provide protection against the hazard.		
Estimated Cost:	Identify all estimated costs associated with implementation.		
Plan for Implementation			
Prioritization:	Identify the priority based on the prioritization method agreed upon.	Desired Timeframe for Implementation:	Identify the desired start time for this project. Ex. Within 6 months.
Estimated Time Required for Project Implementation:	Provided the estimated time required to complete the project from start to end.	Potential Funding Sources:	Multiple sources of potential funding should be listed when appropriate.
Responsible Organization:	Identify the name of a department or agency responsible for implementation, not the jurisdiction.	Local Planning Mechanisms to be Used in Implementation, if any:	Consider the use of local planning mechanisms that will be used to implement this project.
Three Alternatives Considered (including No Action)			
Alternatives:	<i>Action</i>	<i>Estimated Cost</i>	<i>Evaluation</i>
	No Action	\$0	
	Alternative 1 Brief Description		Include a description of pros/cons of Alternative 1.
	Alternative 2 Brief Description		Include a description of pros/cons of Alternative 2.
Progress Report (for plan maintenance)			
Date of Status Report:	This section should be completed during plan maintenance/evaluation.		
Report of Progress:	Describe what progress, if any, has been made on this project. If it has been determined the jurisdiction no longer wishes to pursue implementation, state that here and indicate why.		
Update Evaluation of the Problem and/or Solution:	Provide an updated description of the problem and solution, and what has happened since initial consideration/development.		