

Village of Great Neck Estates Annex

This document presents the Village of Great Neck Estates’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
William D. Warner, Mayor 4 Gateway Drive Great Neck, NY 11021 516-482-8283 mayorwarner@vgne.com	Kathleen L. Santell, Village Administrator 4 Gateway Drive Great Neck, NY 11021 admin@vgne.com 516-482-8283

Profile

The Village of Great Neck Estates covers approximately 0.77 square miles¹ and has a total population of 2,840 according to the American Community Survey 5-year 2018 Estimates. Some of the demographics of the Village of Great Neck Estates 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 Great Neck Estates Demographic Information

Demographic		Demographic	
Below 5 Years Old	7.5%	Black or African American alone	0.8%
Above 65 Years Old	19.8%	American Indian and Alaska Native alone	0.1%
Individuals with Disabilities	Information not provided	Asian alone	10.2%
Persons in Poverty	6.7%	Native Hawaiian and other Pacific Islander alone	0.0%
Renters	8.4%	Two or More Races	1.3%
Without a High School Diploma	5.2%	White alone, not Hispanic or Latino, percent	84.6%
Without Access to Broadband Internet	0.0%	Hispanic or Latino	2.9%

¹ This is inclusive of land area only.

There has been substantial development in the Village of Great Neck Estates. Applications have been filed for two multi-family buildings; however, the majority of development includes demolition and construction of new one-family residences. Approximately three homes were in reconstruction in the floodplain. In the future, Great Neck Estates expects continued development of privately owned property. The jurisdiction continues to maintain zoning and a planning team. 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 Great Neck Estates. The jurisdiction identified flooding, hurricane, 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 Great Neck Estates include: **Flooding, Hurricane, and Wind.**

Table 2: Village of Great Neck Estates Hazard Impacts

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

Capability Assessment

This section summarizes the capabilities that the Village of Great Neck Estates 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 Great Neck Estates. The Village of Great Neck Estates maintains several key administrative and technical capabilities to support mitigation, including building codes, emergency response plans, floodplain management plans, NFIP flood damage prevention, open space 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 Great Neck Estates 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	Code of the Village Great Neck Estates (CVGNE) Chapter 105
Floodplain Management Plan(s)	Yes	CVGNE Chapter 126
Growth Management Plan(s)	No	
NFIP Flood Damage Prevention Ordinance(s)	Yes	CVGNE Chapter 126
Open Space Plan(s)	Yes	CVGNE Chapter 128
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	CVGNE A240

Regulatory Tool	Yes / No	Citation (if applicable)
Small Area Development Plan(s)	No	
Special Purpose Ordinance(s)	No	
Stormwater Management Plan(s)	Yes	CVGNE Chapter 107
Subdivision Ordinance(s)	Yes	CVGNE Chapter 194
Transportation Plan(s)	No	
Zoning Ordinance(s)	Yes	CVGNE Chapter 230

Administrative and Technical Capability Assessment

Table 4 lists the assessment of existing administrative and technical tools for the Village of Great Neck Estates. The Village of Great Neck Estate's primary administrative and technical capabilities include an emergency manager, building and infrastructure engineers, NFIP floodplain administrator, and construction practices personnel. These capabilities provide the Village with a wide range of technical capabilities . The Village can bolster their capabilities in this category by identifying individuals with expertise in land use and natural hazards planning.

Table 4: Village of Great Neck Estates Existing Staff / Personnel Resource

Staff / Personnel Resource	Yes / No	Details
Emergency Manager(s)	Yes	Emergency Preparedness Committee of the Great Neck Peninsula
Engineer(s) trained in construction practices related to buildings/infrastructure	Yes	Building Inspector
Engineer(s) with an understanding of natural and/or human caused hazards	No	
Engineer(s) with knowledge of land development and land management practices	No	
Grant Writers	No	
Personnel skilled or trained in Geographic Information Systems	No	
Personnel trained in construction practices related to buildings/infrastructure	Yes	Building Inspector, Code Enforcement Officer
Planner(s) with an understanding of natural hazards	No	

Staff / Personnel Resource	Yes / No	Details
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 Great Neck Estates. Funding is often the biggest barrier when implementing mitigation programs. The Village is primarily able to fund mitigation programs by incurring debt through general obligation bonds, levying taxes for specific purposes, utilizing user fees for utility services, and capital improvement projects funding. Village of Great Neck Estates should consider exploring additional fiscal capabilities in order to gain access to additional funding for mitigation.

Table 5: Village of Great Neck Estates Existing Fiscal Capabilities

Resources	Yes / No	Additional Details
Ability to incur debt through general obligation bonds	Yes	
Ability to incur debt through private activity bonds	No	
Ability to incur debt through special tax bonds	No	
Authority to levy taxes for specific purposes	Yes	
Authority to utilize user fees for utility services	Yes	
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	No	

Community Classification Assessment

Table 6 lists the assessment of existing community classifications for the Village of Great Neck Estates. Exploring gaining one or more community classifications will guide the Village's mitigation programs and support capacity building. This includes participating in the CRS program again.

Table 6: Village of Great Neck Estates Community Classifications

Classification	Yes/No (or Status)
Building Code Effectiveness Grading Schedule (BCEGS)	No

Classification	Yes/No (or Status)
Public Protection Classification Program	No
Community Rating System (CRS)	Previously participated
Other Classifications	No

National Flood Insurance Program Summary

Properties on or close to the waterfront are the most flood-prone. This section provides a summary of the floodplain management capabilities for Village of Great Neck Estates and how the jurisdiction is meeting the requirements of the National Flood Insurance Program (NFIP).

The Village's Mayor is responsible for floodplain management. The Village administers the NFIP through building permit and site plan review, requiring erosion control measures during construction, onsite stormwater retention for all new construction, and periodic inspection throughout construction. 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 Great Neck Estates is in good standing with the NFIP. Based on documentation received from NYSDEC, a compliance audit in the form of a Community Assistance Visit was conducted in the Village on 05/11/2015. There are no NFIP compliance violations that need to be addressed in this jurisdiction.

The Village utilizes elevation certificates to enforce that the first floor elevation of new and substantially improved properties are elevated two feet above the base flood elevation. Homeowners are encouraged to install flood vents as another mitigation measure. The Village also sends letters to homeowners of properties that have experienced repetitive losses due to flooding. The Flood Damage Prevention Ordinance for the Village of Great Neck Estates meets minimum requirements. The ordinance was last amended 10/09/2020 and can be referenced in Chapter 126 of the Code of the Village of Great Neck Estates.

Mitigation Strategy

The following section provides an overview of the mitigation strategy for Village of Great Neck Estates. It provides an overview of the jurisdiction’s previous mitigation actions, proposed actions, and the NYS mitigation worksheets.

Previous Mitigation Actions

This jurisdiction did not participate in the 2014 hazard mitigation plan.

Proposed Mitigation Actions

Project Number	VGNE_1	VGNE_2
Project Name	Establish standards for tree maintenance on residential property	Wind Risk Awareness Outreach and Education
Goal being met	3	4
Hazards to be mitigated	High Winds	High winds
Priority Ranking	Medium	Medium
Description of the Problem	Wind regularly causes damage to existing structures due to fallen trees and tree limbs.	Wind damage occurs to residential (and other) structures annually in the Village that could be reduced or prevented through the use of wind-resistant building materials and other non-structural retrofits.
Description of the Solution	Development of a set of standards for residential tree maintenance requirements and a system for monitoring and inspecting trees on residential properties for damage and issues (i.e., broken limbs, vines, trunk rot).	Educate Homeowners on benefits of wind retrofits such as shutters and hurricane clips.
Critical Facility	No	No
EHP Issues	N/A	N/A
Estimated Timeline	36 Months	36 Months
Lead Agency	Building Department	Building Department
Estimated Costs	\$50,000	\$10,000 - \$25,000
Estimated Benefits	Reduction in wind damage to homes resulting from fallen trees and branches	Reduction in residential wind damage resulting from individual-level mitigation activities
Potential Funding Sources	HMGP and Building Department in-kind match	HMGP + Building Department staff time / in-kind match

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 Great Neck Estates

NYS DHSES Action Worksheet			
Project Name:	Wind Risk Awareness Outreach and Education		
Project Number:	VGNE_2		
Risk / Vulnerability			
Hazard of Concern:	Wind Damage		
Description of the Problem:	Wind damage occurs to residential (and other) structures annually in the Village that could be reduced or prevented using wind-resistant building materials and other non-structural retrofits.		
Action or Project Intended for Implementation			
Description of the Solution:	Educate homeowners on benefits of wind retrofits such as shutters and hurricane clips.		
Is this project related to a Critical Facility?	Yes	<input type="checkbox"/>	No <input checked="" type="checkbox"/>
(If yes, this project must intend to protect to the 500-year flood event or the actual worst damage scenario, whichever is greater.)			
Level of Protection:	Annual wind events.	Estimated Benefits (losses avoided):	Reduction in residential wind damage resulting from individual-level mitigation activities.
Useful Life:	Long-Term		
Estimated Cost:	\$50,000		
Plan for Implementation			
Prioritization:	Medium	Desired Timeframe for Implementation:	Within 12 months
Estimated Time Required for Project Implementation:	36 months	Potential Funding Sources:	HMGP and Building Department in-kind match
Responsible Organization:	Building Department	Local Planning Mechanisms to be Used in Implementation, if any:	N/A
Three Alternatives Considered (including No Action)			
Alternatives:	<i>Action</i>	<i>Estimated Cost</i>	<i>Evaluation</i>
	No Action	> \$10,000 to Homeowner	
	Enact mandatory retrofits	Free	Not politically viable or functionally enforceable
	Seek funding to subsidize or pay for residential retrofits.	Unknown.	Procuring and administering funding would require increasing staff capacity and would be contingent upon finding available funding.
Progress Report (for plan maintenance)			
Date of Status Report:			
Report of Progress:			
Update Evaluation of the Problem and/or Solution:			

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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.		

Nassau County Multi-Jurisdictional Hazard Mitigation Plan

Name of Jurisdiction: Village of Great Neck Estates

NYS DHSES Action Worksheet

Project Name: Establish standards for tree maintenance on residential property

Project Number: VGNE_1

Risk / Vulnerability

Hazard of Concern: Wind Damage

Description of the Problem: Wind regularly causes damage to existing structures due to fallen trees and tree limbs.

Action or Project Intended for Implementation

Description of the Solution: Development of a set of standards for residential tree maintenance requirements and a system for monitoring and inspecting trees on residential properties for damage and risks (i.e., broken limbs, vines, trunk rot).

Is this project related to a Critical Facility?

Yes

No

(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: This would reduce impacts from annual storm and wind events.

Estimated Benefits (losses avoided):

Reduction in wind damage to homes resulting from fallen trees and branches

Useful Life: 30 years

Estimated Cost: \$10,000-\$25,000 for program establishment

Plan for Implementation

Prioritization: Medium

Desired Timeframe for Implementation:

Within 12 months

Estimated Time Required for Project Implementation: 36 months

Potential Funding Sources:

HMGP + Building Department staff time / in-kind match

Responsible Organization: Building Department

Local Planning Mechanisms to be Used in Implementation, if any:

N/A

Three Alternatives Considered (including No Action)

Alternatives:	Action	Estimated Cost	Evaluation
	No Action	> \$10,000 to Homeowner	
	Enact policies encouraging wind-resistant trees for residential properties.	Under \$10,000	This action would reduce future risk but would not reduce existing risk.
	Establish standards for tree maintenance and provide (mandatory) maintenance for residents.	\$25,000-\$50,000 for program establishment + Annual Costs (unknown)	This would likely be cost prohibitive and would require significant resident buy-in and political will.

Progress Report (for plan maintenance)

Date of Status Report:

Report of Progress:

Update Evaluation of the Problem and/or Solution:

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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.		