

Village of Hempstead Annex

This document presents the Village of Hempstead’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
Charlene J. Thompson, Commissioner Incorporated Village of Hempstead 99 James A. Garner Way Hempstead, NY 11550 516-489-3400	None Provided

Profile

The Village of Hempstead covers approximately 3.68 square miles¹ and has a total population of 55,113 according to the American Community Survey 5-year 2018 Estimates. Some of the demographics of the Village of Hempstead 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 Hempstead Demographic Information

Demographic		Demographic	
Below 5 Years Old	9.3%	Black or African American alone	46.8%
Above 65 Years Old	10.7%	American Indian and Alaska Native alone	0.6%
Individuals with Disabilities	4.1%	Asian alone	1.6%
Persons in Poverty	19.3%	Native Hawaiian and other Pacific Islander alone	0.0%
Renters	56.2%	Two or More Races	4.1%
Without a High School Diploma	28.6%	White alone, not Hispanic or Latino, percent	5.0%
Without Access to Broadband Internet	21.8%	Hispanic or Latino	46.9%

¹ This is inclusive of land area only.

The Village of Hempstead has experienced an influx of new residential construction, development of existing park areas, and new small businesses. The Village does not lay within the 100-year flood plain. 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 Hempstead. The jurisdiction identified Extreme Temperatures, Hurricane, Lightning, Severe Winter Weather, Wind as the hazards impacting the community most. 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 Hempstead include:
Extreme Temperatures, Hurricane, Lightning, Severe Winter Weather, and Wind.

Table 2: Village of Hempstead Hazard Impacts

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

Hazard	Impact Categories
Tornados	Community, Economy, Health and Social Services, Housing, Infrastructure, Natural Cultural Resources
Wind	Community, Economy, Health and Social Services, Housing, Infrastructure, Natural Cultural Resources

Capability Assessment

This section summarizes the capabilities that the Village of Hempstead 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 Hempstead. The Village of Hempstead maintains several key administrative and technical capabilities to support mitigation, including building codes, community development plans, site plan review requirements, 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 Hempstead Existing Legal and Regulatory Capabilities

Regulatory Tool	Yes / No	Citation (if applicable)
Access and Functional Needs Plan	No	
Building Code	Yes	Https://www.villageofhempsteadcda.org
Capital Improvement Plan	No	
Climate Action Plan	No	
Community Development Plan	Yes	Https://www.villageofhempsteadcda.org
Comprehensive Plan / Master Plan	No	
Economic Development Plan(s)	No	
Emergency Response Plan(s)	No	
Floodplain Management Plan(s)	No	
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	

Regulatory Tool	Yes / No	Citation (if applicable)
Real Estate Disclosure Requirements	No	
Resilience Plan(s)	No	
Site Plan Review Requirement(s)	Yes	https://www.villageofhempsteadcda.org
Small Area Development Plan(s)	No	
Special Purpose Ordinance(s)	No	
Stormwater Management Plan(s)	No	
Subdivision Ordinance(s)	No	
Transportation Plan(s)	No	
Zoning Ordinance(s)	Yes	https://www.villageofhempsteadcda.org

Administrative and Technical Capability Assessment

Table 4 lists the assessment of existing administrative and technical tools for the Village of Hempstead. Increasing capacity and expertise in mitigation related administrative and technical capabilities of the Village will support mitigation planning and implementation.

Table 4: Village of Hempstead Existing Staff / Personnel Resource

Staff / Personnel Resource	Yes / No	Details
Emergency Manager(s)		
Engineer(s) trained in construction practices related to buildings/infrastructure	No	
Engineer(s) with an understanding of natural and/or human caused hazards	No	
Engineer(s) with knowledge of land development and land management practices		
Grant Writers	No	
Personnel skilled or trained in Geographic Information Systems		
Personnel trained in construction practices related to buildings/infrastructure		
Planner(s) with an understanding of natural hazards		
Planner(s) with knowledge of land development and land management practices		
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 Hempstead. Funding is often the biggest barrier when implementing mitigation programs. The Village is primarily able to fund mitigation programs by CDBG programs and state mitigation grant programs. Village of Hempstead should consider explore additional fiscal capabilities in order to gain access to additional funding for mitigation.

Table 5: Village of Hempstead 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	No	
Community Development Block Grants (CDBG)	Yes	CDBG grants have previously been used in the Village for public facilities improvements including building remediation, building improvements, infrastructure upgrades and safety improvements and matching funds for state and federal grants.
Impact fees for home buyers and/or developers	No	
State mitigation grant programs	Yes	Brownfields Opportunity Area Designation.

Community Classification Assessment

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

Table 6: Village of Hempstead 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 Hempstead and how the jurisdiction is meeting the requirements of the National Flood Insurance Program (NFIP).

The Village is located in an area of minimal flood hazard, according to FEMA flood insurance rate maps. The flood maps for this jurisdiction do not accurately portray the current flood risk. There are currently no RiskMAP projects ongoing in this jurisdiction. The Village does not currently have a designated floodplain manager. No barriers to running a successful NFIP program were noted by the Village of Hempstead.

The Village of Hempstead is in good standing with the NFIP. Based on documentation received from NYSDEC, a compliance audit (e.g., Community Assistance Visit or Community Assistance Contacts) has not been conducted for the municipality but the village will determine if one is needed in the future and schedule it. There are no NFIP compliance violations that need to be addressed in this jurisdiction.

The Village mitigates flooding by leveraging State and Federal resources with Community Development Block Grant funding to facilitate infrastructure upgrades. The Flood Damage Prevention Ordinance was last amended 12/04/2007 and can be referenced in L.L. No. 17-2007.

Mitigation Strategy

The following section provides an overview of the mitigation strategy for Village of Hempstead. 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	VOH_1	VOH_2	VOH_3	VOH_4	VOH_5	VOH_6	VOH_7	VOH_8	VOH_9
Project Name	Generator Installation - East End Fire House	Generator Installation - Kennedy Memorial Park	Generator Installation - Victory Fire House	Generator Installation - Weir Street Fire Facility	Generator Installation - West End Fire House	Generator Replacement - Jerusalem Ave. Fire House	Generator Replacement - Headquarters Fire House	Generator Replacement - Southside Fire House	Preventative Tree Trimming Program
Goal being met	2	2	2	2	2	2	2	2	3
Hazards to be mitigated	Hurricanes, Straight-line winds, Severe Winter Storms, Tornados, Nor'easters	Hurricanes, Straight-line winds, Severe Winter Storms, Tornados, Nor'easters	Hurricanes, Straight-line winds, Severe Winter Storms, Tornados, Nor'easters	Hurricanes, Straight-line winds, Severe Winter Storms, Tornados, Nor'easters	Hurricanes, Straight-line winds, Severe Winter Storms, Tornados, Nor'easters	Hurricanes, Straight-line winds, Severe Winter Storms, Tornados, Nor'easters	Hurricanes, Straight-line winds, Severe Winter Storms, Tornados, Nor'easters	Hurricanes, Straight-line winds, Severe Winter Storms, Tornados, Nor'easters	Hurricanes, Straight-line winds, Severe Winter Storms, Tornados, Nor'easters
Description of the Problem	No backup electricity in the event of power failure	No backup electricity in the event of power failure	No backup electricity in the event of power failure	No backup electricity in the event of power failure	No backup electricity in the event of power failure	Replace old diesel generator with gas powered generator	Replace old diesel generator with gas powered generator	Replace old diesel generator with gas powered generator	High-wind events and severe ice storms cause tree limbs and branches to fall and block roadways or damage power lines and property.
Description of the Solution	Provide backup electricity in the event of a power failure	Provide backup electricity in the event of a power failure	Provide backup electricity in the event of a power failure	Provide backup electricity in the event of a power failure	Provide backup electricity in the event of a power failure	Provide backup electricity in the event of a power failure	Provide backup electricity in the event of a power failure	Provide backup electricity in the event of a power failure	Design and implement a program to identify dangerous tree limbs and branches that might come in contact with power transmission

Project Number	VOH_1	VOH_2	VOH_3	VOH_4	VOH_5	VOH_6	VOH_7	VOH_8	VOH_9
									lines or break and fall causing damage to life and or property of village residents in the event of a severe storm.
Critical Facility	YES	YES	YES	YES	YES	YES	YES	YES	No
EHP Issues	No	No	No	No	No	No	No	No	No
Estimated Timeline	2021	2021	2021	2021	2021	2021	2021	2021	One to two years
Lead Agency	Village of Hempstead	Village of Hempstead	Village of Hempstead	Village of Hempstead	Village of Hempstead	Village of Hempstead	Village of Hempstead	Village of Hempstead	Department of Public Works
Estimated Costs	\$100,000	\$180,000	\$120,000	\$70,000	\$95,000	\$155,000	\$155,000	\$130,000	To be determined
Estimated Benefits	Provide both fire protection and an evacuation center to the village residents.	Provide both fire protection and an evacuation center to the village residents.	Provide both fire protection and an evacuation center to the village residents.	Provide both fire protection and an evacuation center to the village residents.	Provide both fire protection and an evacuation center to the village residents.	Provide both fire protection and an evacuation center to the village residents.	Provide both fire protection and an evacuation center to the village residents.	Provide both fire protection and an evacuation center to the village residents.	Prevent property damage, power loss, and injury or loss of life.
Potential Funding Sources	Village Budget	Village Budget	Village Budget	Village Budget	Village Budget	Village Budget	Village Budget	Village Budget	Village Budget

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 Hempstead

NYS DHSES Action Worksheet			
Project Name:	Emergency Generator Installation		
Project Number:	Leave Blank		
Risk / Vulnerability			
Hazard of Concern:	Hurricanes, Straight-line winds, Severe Winter Storms, Tornados, Nor'easters		
Description of the Problem:	Facilities responsible for public safety are not available in the event of a Village-wide power outage. There are currently five buildings that are used in an emergency that have no backup electricity should there be a power failure. They include three Village fire houses (Jackson Street, East End & West End), the Village evacuation center located at Kennedy Memorial Park, and the Fire Department SCBA recharging station on Weir Street. There are also three fire stations that need a replacement of their diesel generators with natural gas generators (Headquarters, Jerusalem Avenue and Southside Fire Stations).		
Action or Project Intended for Implementation			
Description of the Solution:	Install natural gas powered generators to all the locations mentioned above to afford the protection and services needed by the residents of the Inc. Village of Hempstead should there be a Village-wide power outage caused by a natural hazard such as hurricanes, nor'easters, straight-line winds associated with thunderstorms, severe winter weather, or tornados.		
Is this project related to a Critical Facility?	Yes	<input checked="" type="checkbox"/>	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:	All high-wind and severe storm events that cause power outages	Estimated Benefits (losses avoided):	Provide both fire protection and an evacuation center to the village residents.
Useful Life:	50+ years		
Estimated Cost:	\$1,005,000.00		
Plan for Implementation			
Prioritization:	Leave Blank	Desired Timeframe for Implementation:	2021
Estimated Time Required for Project Implementation:	One year.	Potential Funding Sources:	Municipal fiscal budget
Responsible Organization:	Inc. Village of Hempstead	Local Planning Mechanisms to be Used in Implementation, if any:	None
Three Alternatives Considered (including No Action)			
Alternatives:	<i>Action</i>	<i>Estimated Cost</i>	<i>Evaluation</i>
	No Action	\$0	Five sites will not be available in the event of a loss of power.
	Rent temporary generators.	\$5,000-\$10,000 per generator/week	Temporary generators may not provide enough power and renting these generators may be unreliable in the event of an emergency.
Install diesel generators	> \$1,000,000	Pros: Require less maintenance, smaller in size, long life span. Cons: diesel fuel prices are variable and the generator costs more than gas generators.	
Progress Report (for plan maintenance)			
Date of Status Report:			
Report of Progress:			

Update Evaluation of
the Problem and/or
Solution:

Nassau County Multi-Jurisdictional Hazard Mitigation Plan

Name of Jurisdiction: Inc. Village of Hempstead

NYS DHSES Action Worksheet			
Project Name:	Preventative Tree Trimming Program		
Project Number:	Leave Blank		
Risk / Vulnerability			
Hazard of Concern:	Hurricanes, Tropical Storms, Tornados, Straight-line Winds, Severe Winter Weather, Nor'easters		
Description of the Problem:	High-wind events and severe ice storms cause tree limbs and branches to fall and block roadways and damage power lines and property.		
Action or Project Intended for Implementation			
Description of the Solution:	This program is designed to identify dangerous tree limbs and branches that might come into contact with power transmission lines or break and fall causing damage to life and/or property of village residents in the event of a severe storm. The village will be divided into five sections. A supervisor from the Department of Public Works (DPW) will take two weeks to perform an inspection of each section. Based on his findings, the supervisor will compile a list. This list will be given to the tree department. Trimming will be performed on a priority basis with the trees posing the highest risk being cut first. This trimming will be coordinated and performed in conjunction with a PSE&G representative.		
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:	All severe storms	Estimated Benefits (losses avoided):	Prevent property damage, power loss, and injury or loss of life.
Useful Life:	Five years		
Estimated Cost:	To be determined		
Plan for Implementation			
Prioritization:	Leave Blank	Desired Timeframe for Implementation:	Immediate.
Estimated Time Required for Project Implementation:	One to two years	Potential Funding Sources:	Village Fiscal Budget
Responsible Organization:	Department of Public Works	Local Planning Mechanisms to be Used in Implementation, if any:	None
Three Alternatives Considered (including No Action)			
Alternatives:	<i>Action</i>	<i>Estimated Cost</i>	<i>Evaluation</i>
	No Action	\$0	
	Hire an outside tree contractor	\$100,000.00+	High cost to taxpayers.
	Wait for PSE&G to perform the work	\$0	No guarantee this would be performed.
Progress Report (for plan maintenance)			
Date of Status Report:			
Report of Progress:			
Update Evaluation of the Problem and/or Solution:			