

# Village of Floral Park Annex

This document presents the Village of Floral Park’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
Kevin Ginnane, Superintendent of Public Works Incorporated Village Of Floral Park One Floral Boulevard Floral Park, NY 11001 kginnane@fpvillage.org 516-326-6319	Renee Marcus, Superintendent Of Buildings Incorporated Village Of Floral Park One Floral Boulevard Floral Park, NY 11001 rmarcus@fpvillage.org 516-326-6319

## Profile

The Village of Floral Park covers approximately 1.42 square miles<sup>1</sup> and has a total population of 15,844 according to the American Community Survey 5-year 2018 Estimates. Some of the demographics of the Village of Floral Park 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 Floral Park Demographic Information

Demographic	Demographic
Below 5 Years Old	5.4%
Above 65 Years Old	18.0%
Individuals with Disabilities	3.9%
Persons in Poverty	2.4%
Renters	21.0%
Without a High School Diploma	6.0%
Without Access to Broadband Internet	11.9%
Black or African American alone	0.9%
American Indian and Alaska Native alone	0.1%
Asian alone	7.0%
Native Hawaiian and other Pacific Islander alone	0.0%
Two or More Races	1.9%
White alone, not Hispanic or Latino, percent	80.8%
Hispanic or Latino	10.0%

<sup>1</sup> This is inclusive of land area only.

The Village of Floral Park has limited open development space; therefore properties (and the limited open space) are experiencing large residential development. This includes the removal of small homes and large lots of land to develop subdivisions. All land is permitted for development in this Village, there are no protected areas except for land that belongs to the Village or Town. 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 Floral Park. The jurisdiction identified flooding, 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 Floral Park include:

**Flooding, Severe Winter Weather, and Wind.**

*Table 2: Village of Floral Park Hazard Impacts*

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

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

## Capability Assessment

This section summarizes the capabilities that the Village of Floral Park 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 Floral Park. The Village of Floral Park maintains several key administrative and technical capabilities to support mitigation, including access and functional needs plans, building codes, capital improvement plans, emergency response plans, post disaster recovery ordinances, post disaster recovery plans, site plan review requirements, small area development 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 Floral Park Existing Legal and Regulatory Capabilities*

Regulatory Tool	Yes / No	Citation (if applicable)
Access and Functional Needs Plan	Yes	2015 Hazard Mitigation Plan
Building Code	Yes	NYS Building Codes
Capital Improvement Plan	Yes	Village Capital Improvement Plan
Climate Action Plan	No	
Community Development Plan	No	
Comprehensive Plan / Master Plan	No	
Economic Development Plan(s)	No	
Emergency Response Plan(s)	Yes	2015 Hazard Mitigation Plan
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)	Yes	2015 Hazard Mitigation Plan
Post Disaster Recovery Plan(s)	Yes	2015 Hazard Mitigation Plan

Regulatory Tool	Yes / No	Citation (if applicable)
Real Estate Disclosure Requirements	No	
Resilience Plan(s)	No	
Site Plan Review Requirement(s)	Yes	Village Ordinance, Zoning and Architectural Review Board Approvals
Small Area Development Plan(s)	Yes	Village Ordinance, Zoning and Architectural Review Board Approvals
Special Purpose Ordinance(s)	No	
Stormwater Management Plan(s)	No	
Subdivision Ordinance(s)	Yes	Village Ordinance, Zoning and Architectural Review Board Approvals
Transportation Plan(s)	No	
Zoning Ordinance(s)	Yes	Village Ordinance, Zoning and Architectural Review Board Approvals

### Administrative and Technical Capability Assessment

Table 4 lists the assessment of existing administrative and technical tools for the Village of Floral Park. The Village of Floral Park has a high level of primary administrative and technical capabilities to support mitigation. This includes management, engineering, grant writing, and planning. Increasing training capacity and expertise of these individuals will support mitigation practice in the Village.

Table 4: Village of Floral Park Existing Staff / Personnel Resource

Staff / Personnel Resource	Yes / No	Details
Emergency Manager(s)	Yes	Kevin Ginnane, Superintendent of Public Works
Engineer(s) trained in construction practices related to buildings/infrastructure	No	Renee Marcus, Superintendent of Buildings
Engineer(s) with an understanding of natural and/or human caused hazards	Yes	Renee Marcus, Superintendent of Buildings
Engineer(s) with knowledge of land development and land management practices	Yes	Renee Marcus, Superintendent of Buildings
Grant Writers	Yes	Gerard Bambrick, Village Administrator
Personnel skilled or trained in Geographic Information Systems	No	
Personnel trained in construction practices related to buildings/infrastructure	Yes	Renee Marcus, Superintendent of Buildings

Staff / Personnel Resource	Yes / No	Details
Planner(s) with an understanding of natural hazards	Yes	Kevin Ginnane, Superintendent of Public Works
Planner(s) with knowledge of land development and land management practices	Yes	Renee Marcus, Superintendent of Buildings
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 Floral Park. Funding is often the biggest barrier when implementing mitigation programs. The Village is primarily able to fund mitigation programs by incurring debt through obligation bonds, capital improvements project funding, impact fees for home buyers and/or developers, and state mitigation grant programs. Village of Floral Park should consider exploring additional fiscal capabilities in order to gain access to additional funding for mitigation.

*Table 5: Village of Floral Park 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	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	Village Capital Improvement Plan
Community Development Block Grants (CDBG)	No	

Resources	Yes / No	Additional Details
Impact fees for home buyers and/or developers	Yes	Developers are required to pay for a full site and environment investigation before Board Approval Developers are required to pay for a full site and environment investigation before Board Approval
State mitigation grant programs	Yes	FEMA

## Community Classification Assessment

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

*Table 6: Village of Floral Park 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

The residences at the west end of the Village are considered the most flood-prone. This section provides a summary of the floodplain management capabilities for Village of Floral Park and how the jurisdiction is meeting the requirements of the National Flood Insurance Program (NFIP).

The Village's Superintendent of Public Works is responsible for floodplain management. Training on stormwater management and the National Flood Insurance Program will support future growth of the floodplain management program. The Village administers the NFIP by reviewing new site plans and building permits, and environmental impact statement review. The Village noted that training and education were current barriers to running a successful NFIP program. The flood maps for this jurisdiction do not accurately portray the current flood risk. There are currently no RiskMAP projects ongoing in this jurisdiction.

After flood events, initial damage determinations are made through in-person visual assessments. No properties in the jurisdiction have been substantially damaged as a result of recent flood events. The Village of Floral Park 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 is working on a stormwater collection and recharge system to help mitigate the flooding. The Flood Damage Prevention Ordinance for the Village of Floral Park meets minimum requirements. The ordinance was last amended 01/04/2006 and can be referenced in L.L. No. 1-2006. Other steps that the Village takes to support the floodplain management program and meet NFIP requirements include regularly cleaning inlets and stormwater drains, limiting paving on front lawns to allow for capture of stormwater, performing regular tree trimming, reviewing new subdivisions and commercial properties, and reviewing plans for existing residential and commercial property.

## Mitigation Strategy

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

### Previous Mitigation Actions

<b>Action</b>	Clover and Mayfair Avenues Drainage Improvement Project	Floral Park Department of Public Works Emergency Generator	Emergency Generator for Recreation Building/Warming Center- Shelter	Clover and Mayfair Avenues Drainage Improvement Project	Tree Trimming Program
<b>Risk Category</b>	Flooding	Inability to provide critical services to residents during and after and emergency due to power failure	Inability to provide critical services to residents due to a power outage	Flooding	Power Outage and blockage of critical roadways due to high wind conditions and downed trees.
<b>Project Status</b>	In Progress	In Progress	In Progress	In Progress	In Progress
<b>Project Status Description</b>	Design drawings are near completion.	Preliminary electrical inspection performed.	Preliminary electrical inspection performed.	Project is combined with first line item; this line can be eliminated	The Village employs a small tree trimming crew who performs routine maintenance for trees currently but the crew is not large enough to handle the trimming around electrical lines in order to prevent potential downed trees and electrical lines in a wind storm.
<b>Carried Forward to 2020 Plan</b>	Y	Y	Y	N	Y
<b>Required Changes</b>	Scope of work has expanded to include additional streets. Rename to "West End Drainage Improvements"	No Changes	Additional electrical improvements required, main electrical service is deteriorating and requires replacement	Project is combined with first line item; this line can be eliminated	This is a new implementation plan.



## Proposed Mitigation Actions

Project Number	VFP_1	VFP_2	VFP_3	VFP_4	VFP_5
Project Name	Public Works Generator	Rec Center Generator	Rec Center Generator	Tree Trimming Program	West End Drainage
Goal being met	1	1	1	1	1
Hazards to be mitigated	Hurricane, Straight-line wind	Hurricane, Straight-line wind	Hurricane, Straight-line wind	Hurricane, Straight-line wind	Flooding
Description of the Problem	Loss of Power	Loss of Power	Loss of Power	Power Outage and blockage of critical roadways due to high wind conditions and downed trees.	Flooding during rainstorms
Description of the Solution	Generator	Generator	Generator	Develop a program that expands the tree trimming program crew to trim around electrical lines to prevent potential downed trees and electrical lines in a windstorm. As part of this program, regularly monitor the health and vitality of trees in the village.	Replace and enlarge drainage system
Critical Facility	Yes	Yes	Yes	Yes	No
EHP Issues	No	No	No	No	Yes
Estimated Timeline	Six months	Six months	Six months	One year	One year
Lead Agency	Village of Floral Park Building Department and Department of Public Works	Village of Floral Park Building Department and Department of Public Works	Village of Floral Park Building Department and Department of Public Works	Village of Floral Park Building Department and Department of Public Works	Village of Floral Park Building Department and Department of Public Works
Estimated Costs	\$375,000	\$450,000	\$450,000	\$175,000	\$3,000,000
Estimated Benefits	Emergency Services	Emergency Services	Emergency Services	Safety and Emergency Services	Safety
Potential Funding Sources	HMGP/Village	HMGP/Village	HMGP/Village	HMGP/Village	HMGP/Village/Bond

## **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:** Incorporated Village of Floral Park

NYS DHSES Action Worksheet			
Project Name:	Department of Public Works Generator		
Project Number:	Leave Blank		
Risk / Vulnerability			
Hazard of Concern:	Loss of Power due to strong winds, hurricanes and downed trees.		
Description of the Problem:	The Department of Public Works building houses all the Village maintenance vehicles including all service type and sanitation trucks and is the main office for all emergency personnel for DPW and the Building Department. The fuel pumps are also run off the electric service from this building. In a power outage the maintenance crew would need access to the building and vehicles in order to respond to any type of emergency. Without operational fuel pumps these vehicles, as well as all Village Fire Department and Police vehicles, would not have the ability to re-fuel. This fueling facility is also shared by the School District and other neighboring Villages.		
Action or Project Intended for Implementation			
Description of the Solution:	Add a natural gas generator to provide emergency power to the building during a power outage.		
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:	High protection from power outages	Estimated Benefits (losses avoided):	Will allow emergency personnel access to the office and emergency vehicles a fueling station.
Useful Life:	20+ Years		
Estimated Cost:	\$375,000		
Plan for Implementation			
Prioritization:	Leave Blank	Desired Timeframe for Implementation:	Three years
Estimated Time Required for Project Implementation:	Six months	Potential Funding Sources:	Hazard Mitigation Grant, Village Funding
Responsible Organization:	Village of Floral Park Building Department and Department of Public Works	Local Planning Mechanisms to be Used in Implementation, if any:	Engineered electrical drawings
Three Alternatives Considered (including No Action)			
Alternatives:	<i>Action</i>	<i>Estimated Cost</i>	<i>Evaluation</i>
	No Action	\$0	
	Add solar panels with a battery storage system.	\$500,000	Battery storage systems designed to hold capacity large enough to handle the load would consume more space than is available in the building.
	Provide portable generators dedicated to the building and add permanent generator quick connects.	\$150,000	Portable generators do not provide uninterrupted reliable power as required to maintain the operation of the building.
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

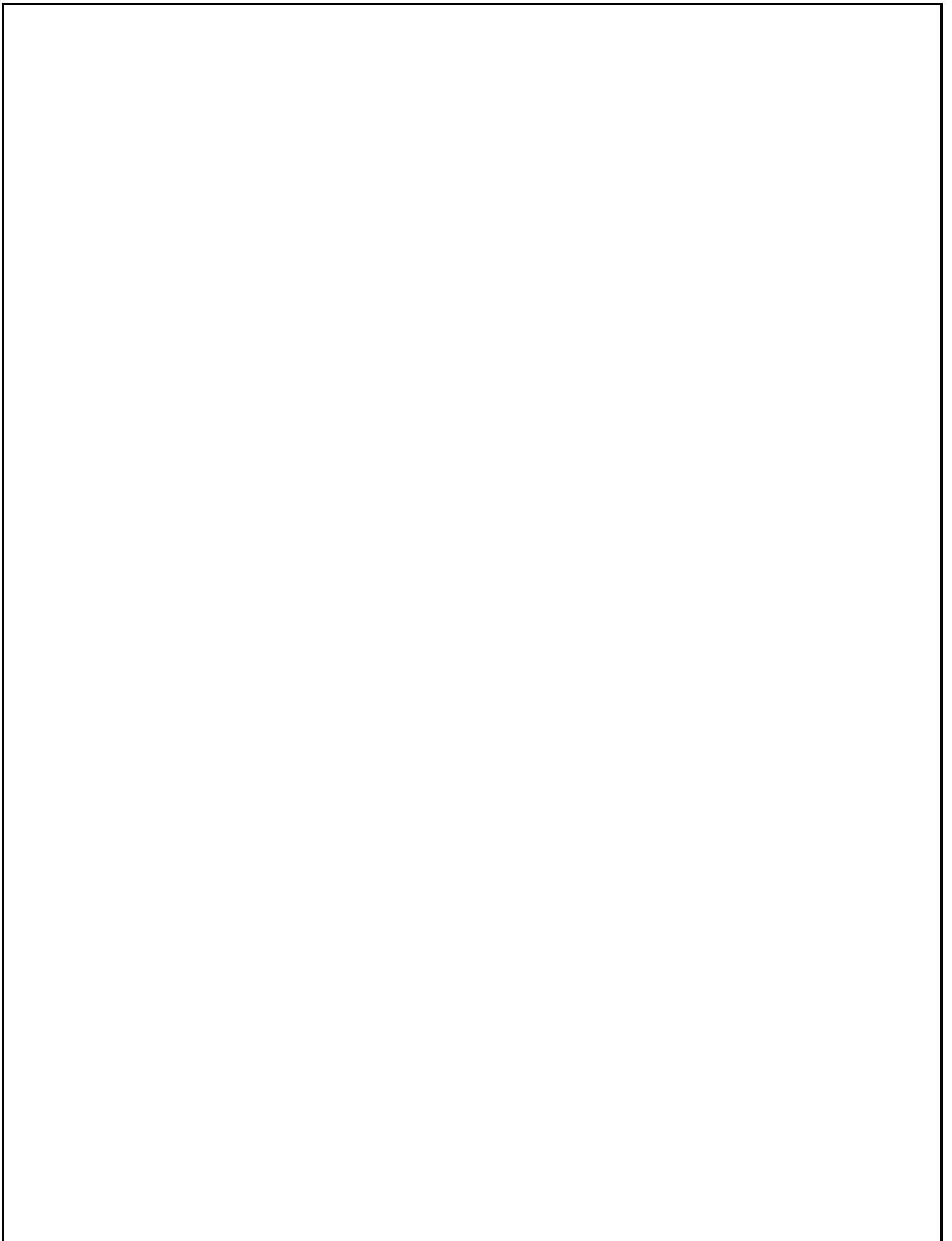
(Name of Jurisdiction) \_\_\_\_\_

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:** Incorporated Village of Floral Park

NYS DHSES Action Worksheet			
Project Name:	Recreation Center Generator		
Project Number:	Leave Blank		
Risk / Vulnerability			
Hazard of Concern:	Loss of Power due to strong winds, hurricanes and downed trees.		
Description of the Problem:	The Recreation Center is used as a shelter and warming center for Village residents as needed during emergency occurrences. If the building loses power heat and another necessary shelter functions will not be available for use.		
Action or Project Intended for Implementation			
Description of the Solution:	Add a natural gas generator to provide emergency power to the building during a power outage.		
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:	High protection from power outages	Estimated Benefits (losses avoided):	Will allow emergency personnel access to the building and provide shelter for residents.
Useful Life:	20+ Years		
Estimated Cost:	\$450,000		
Plan for Implementation			
Prioritization:	Leave Blank	Desired Timeframe for Implementation:	Three years
Estimated Time Required for Project Implementation:	Six months	Potential Funding Sources:	Hazard Mitigation Grant, Village Funding
Responsible Organization:	Village of Floral Park Building Department and Department of Public Works	Local Planning Mechanisms to be Used in Implementation, if any:	Engineered electrical drawings
Three Alternatives Considered (including No Action)			
Alternatives:	<i>Action</i>	<i>Estimated Cost</i>	<i>Evaluation</i>
	No Action	\$0	
	Add solar panels with a battery storage system.	\$500,000	Battery storage systems designed to hold capacity large enough to handle the load would consume more space than is available in the building.
	Provide portable generators dedicated to the building and add permanent generator quick connects.	\$150,000	Portable generators do not provide uninterrupted reliable power as required to maintain the operation of the building.
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.		



## Nassau County Multi-Jurisdictional Hazard Mitigation Plan

**Name of Jurisdiction:** Incorporated Village of Floral Park

### NYS DHSES Action Worksheet

Project Name:	West End Drainage Improvements
Project Number:	Leave Blank
Risk / Vulnerability	
Hazard of Concern:	Flooding due to heavy rainstorms and hurricanes
Description of the Problem:	During a heavy rainstorm, the existing drainage infrastructure gets overwhelmed and backs up onto the street and up some driveways and front lawns. Water is very deep in areas; vehicles cannot pass, and residents cannot enter their driveways. Water flows above curbs and sidewalks which present areas that are unmined, leaving voids and structural issues. Undersized catch basins are in danger of failure. Excess stagnant water freezes in winter leaving hazardous road and sidewalk conditions.

### Action or Project Intended for Implementation

Description of the Solution:	Replace and enlarge existing storm drainage piping and inlets, direct stormwater to a new recharge basin.
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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:	High protection from average rainfall occurrences	Estimated Benefits (losses avoided):	Will keep roads and sidewalks clear of excess storm water and allow passenger and emergency vehicle access to all roads. Avoidance of dangerous ice in winter.
Useful Life:	50+ Years		
Estimated Cost:	\$3,000,000		

### Plan for Implementation

Prioritization:	Leave Blank	Desired Timeframe for Implementation:	Three years
Estimated Time Required for Project Implementation:	12 months	Potential Funding Sources:	Hazard Mitigation Grant, Village Funding and Bond
Responsible Organization:	Village of Floral Park Building Department and Department of Public Works	Local Planning Mechanisms to be Used in Implementation, if any:	Engineered drainage drawings

### Three Alternatives Considered (including No Action)

Alternatives:	Action	Estimated Cost	Evaluation
	No Action	\$0	
	Install independent drywells for stormwater collection at each intersection instead of one large recharge basin	\$2,600,000.00	Independent drywells run the risk of overflow if rain is constant over a long duration of time, the soils around the drywell get saturated and not able to drain properly leading to back up onto the streets and do not provide the level of protection needed. An extensive number of drywells at a possibly very deep depth would be needed to adequately collect the stormwater necessary, the space in the streets is limited due to existing utilities such as sewer, water, gas and electric.
	Provide a smaller sized recharge basin for inception of the project and then stage expansion for a future date.	\$2,500,000.00 phase 1 \$750,000 phase 2	The costs of future expansion would increase the cost due to re-mobilization and loss of efficiency.

**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.		