

Village of Russell Gardens Annex

This document presents the Village of Russell Gardens’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.

1Primary Point of Contact	Alternate Point of Contact
Michael Jurcsak, Supervisor Department of Public Works 6 Tain Drive Great Neck, NY 11021 dpw@russellgardens.com 516-457-1779	Christine Blumberg, Clerk Village of Russell Gardens 6 Tain Drive Great Neck, NY 11021 clerk@russellgardens.com 516-482-8246

Profile

The Village of Russell Gardens covers approximately 0.20 square miles¹ and has a total population of 952 according to the American Community Survey 5-year 2018 Estimates. Some of the demographics of the Village of Russell Gardens 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 Russell Gardens Demographic Information

Demographic		Demographic	
Below 5 Years Old	8.9%	Black or African American alone	0.0%
Above 65 Years Old	18.5%	American Indian and Alaska Native alone	0.0%
Individuals with Disabilities	Information not provided	Asian alone	28.6%
Persons in Poverty	2.7%	Native Hawaiian and other Pacific Islander alone	0.0%
Renters	18.8%	Two or More Races	0.9%
Without a High School Diploma	5.7%	White alone, not Hispanic or Latino, percent	65.8%
Without Access to Broadband Internet	0.0%	Hispanic or Latino	4.0%

¹ This is inclusive of land area only.

The jurisdiction did not provide information regarding past and/or present development trends. However, the jurisdiction maintains zoning maps and planning teams. Understanding development trends and how they intersect with hazard-prone areas, 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 Russell Gardens. The jurisdiction identified Hurricane, Severe Winter Weather, and Wind as natural hazards that 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 Russell Gardens include: **Hurricane, Severe Winter Weather, and Wind.**

Table 2: Village of Russell Gardens Hazard Impacts

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

Capability Assessment

This section summarizes the capabilities that the Village of Russell Gardens 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 Russell Gardens. The Village of Russel Gardens maintains several key administrative and technical capabilities to support mitigation, including building codes, emergency response plans, and stormwater management plans. 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 Russell Gardens Existing Legal and Regulatory Capabilities

Regulatory Tool	Yes / No	Citation (if applicable)
Access and Functional Needs Plan	No	
Building Code	Yes	
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	2010 Nassau County Master 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)	No	
Post Disaster Recovery Plan(s)	No	
Real Estate Disclosure Requirements	No	
Resilience Plan(s)	No	
Site Plan Review Requirement(s)	No	
Small Area Development Plan(s)	No	
Special Purpose Ordinance(s)	No	
Stormwater Management Plan(s)	Yes	
Subdivision Ordinance(s)	No	
Transportation Plan(s)	No	
Zoning Ordinance(s)	No	

Administrative and Technical Capability Assessment

Table 4 lists the assessment of existing administrative and technical tools for the Village of Russell Gardens. The Village of Russell Gardens' primary administrative and technical capabilities include an emergency manager and a construction practices personnel. The Village can bolster their capabilities in this category by identifying individuals with expertise in land use and natural hazards (specifically related to flooding).

Table 4: Village of Russell Gardens Existing Staff / Personnel Resource

Staff / Personnel Resource	Yes / No	Details
Emergency Manager(s)	Yes	DPW Supervisor
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	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
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 Russell Gardens. Funding is often the biggest barrier when implementing mitigation programs. The Village is primarily able to fund mitigation programs by levying taxes for specific purposes. Village of Russell Gardens should consider exploring additional fiscal capabilities in order to gain access to additional funding for mitigation.

Table 5: Village of Russell Gardens 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	

Resources	Yes / No	Additional Details
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	No	
Authority to withhold public expenditures in hazard prone areas	No	
Capital improvements project funding	No	
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 Russell Gardens. Exploring gaining one or more community classifications will guide the Village's mitigation programs and support capacity building.

Table 6: Village of Russell Gardens 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 Russell Gardens and how the jurisdiction is meeting the requirements of the National Flood Insurance Program (NFIP). The Village does not contain any flood-prone (100-year flood) areas.

The Village's Building Department is responsible for floodplain management. 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 Russell Gardens is in good standing with the NFIP. Based on documentation received from NYSDEC, the Village had its last Community Assistance Contact on 1/18/2008. There are no NFIP compliance violations that need to be addressed in this jurisdiction.

The Flood Damage Prevention Ordinance was last amended 06/04/2009 and can be referenced in Chapter 26, Village Code, L.L. No. 1-2009.

Mitigation Strategy

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

Previous Mitigation Actions

Action	Through various forms of aggressive 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	Extreme weather events, power outages, local emergencies
Project Status	In Progress
Project Status Description	Village currently uses E-Mail and a list serve of residents that chose to receive Village alerts. This is done with Constant Contact
Carried Forward to 2020 Plan	Yes
Required Changes	Not provided.

Proposed Mitigation Actions

Project Number	VRG_1	VRG_2	VRG_3	VRG_4
Project Name	Catch basin replacement/reconstruct	Community Outreach Emergency Information Service	Swift 911	Village Tree Preservation and Replacement
Goal being met	1	4	4	5
Hazards to be mitigated	Flooding	Emergency Communications	Power outages	Severe weather events
Description of the Problem	Catch basins can become clogged from debris and cause flooding during periods of heavy rain. In some cases, catch basins are not large enough to accommodate the quantity of rain falling during storms.	A stronger communication system needs to be developed to inform residents of critical steps to take during a local emergency	A secure and reliable broad communication system needs to be implemented. Past weather events such as hurricanes and snowstorms have resulted in the loss of electrical power, and heating during cold days while stranding residents in their homes. Additionally, some of the elder residents require health assistance and medical supplies.	Village trees line the streets within 5 feet of the sidewalks and provide a unique visual beauty that provides a full and overlapping canopy shade. This view is desirable to new and established homeowners and gives this Village its' character. Most of these trees are Sycamores, Lindens, and a mix of maple species. Past Hurricanes (i.e., Sandy 2014, Ivan 2011, Barry 2007) all have had impacts on the village trees, Sandy being the worst. Major infrastructure damage tree loss due to moist soil and

Project Number	VRG_1	VRG_2	VRG_3	VRG_4
				high winds made many trees topple and hit homes and while blocking roadways making emergency vehicle access impossible to aid Village residents.
Description of the Solution	Conduct monthly assessments of catch basins under the Clean Water Act/ Phase II to determine cleanliness and structure condition. Repair and replace catch basins as needed based on these assessments. Upgrade catch basin capacity as needed.	Create various forms of aggressive community outreach which will inform residents of critical steps to take to prepare for an unexpected emergency, and actions to take during and following a local emergency	To secure a reliable media source such as Swift 911 to advise Village residents of events that would impact their safety. This would reach every resident within the village limits via current media sources i.e. home telephone, internet e-mail, or secure a software company i.e. Swift 911.	Identify potential village tree hazards that would cause severe damage or personal injury using a systematic yearly approach with a certified arborist. Catalog each tree and tag them by number and species, and identify species tree diameter at "breast height" to gauge tree's age. Develop a yearly tree care procedure to ensure proper canopy development. Assess root "flare" health/ root impingement to sidewalks and driveways.
Critical Facility	No	No	Yes	No
EHP Issues	Yes	No	No	No
Estimated Timeline	2022	Target Date: 2014 - 2015 Status: In Progress	One full fiscal year	One full fiscal year
Lead Agency	Incorporated Village of Russell Gardens	Incorporated Village of Russell Gardens	Incorporated Village of Russell Gardens	Incorporated Village of Russell Gardens
Estimated Costs	To be determined	To be determined	To be determined	35,000 per year
Estimated Benefits	Minimize flooding	Increase community awareness about disaster preparedness and response	To minimize damage to property and harm to human life	Avoidance of \$1,000,000 in tree removal costs due to Storm damage
Potential Funding Sources	Municipal Funds, Feme Grants	FEMA Grants. Municipal Funds	Village Budget and Municipal Grants	Village Budget/ Cornell Co-operative funding sources /Grants

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 Russell Gardens

NYS DHSES Action Worksheet			
Project Name:	Swift 911		
Project Number:	1		
Risk / Vulnerability			
Hazard of Concern:	Communication to all Village residents on emergency action related to severe weather and any emergent critical situation that affects resident's safety		
Description of the Problem:	A secure and reliable broad communication system needs to be implemented. Past weather events such as hurricanes and snowstorms have resulted in the loss of electrical power, and heating during cold days while stranding residents in their homes. Additionally, some of the elder residents require health assistance and medical supplies.		
Action or Project Intended for Implementation			
Description of the Solution:	To secure a reliable media source such as Swift 911 to advise Village residents of events that would impact their safety. This would reach every resident within the village limits via current media sources i.e. home telephone, internet e-mail, or secure a software company i.e. Swift 911.		
Is this project related to a Critical Facility?	Yes	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:	Full	Estimated Benefits (losses avoided):	To minimize damage to property and harm to human life
Useful Life:	10 Years		
Estimated Cost:	Unknown at this time		
Plan for Implementation			
Prioritization:	Leave Blank	Desired Timeframe for Implementation:	One full fiscal year
Estimated Time Required for Project Implementation:	One full fiscal year	Potential Funding Sources:	Village budget and Municipal Grants
Responsible Organization:	Incorporated Village of Russell Gardens	Local Planning Mechanisms to be Used in Implementation, if any:	Village Mayor and Board of Trustees
Three Alternatives Considered (including No Action)			
Alternatives:	<i>Action</i>	<i>Estimated Cost</i>	<i>Evaluation</i>
	No action	\$0	
	Use a specially designated signal flag at the village hall's flag pole	\$125.00	This is Flag is only visible to those residents that pass by the Village hall entrance. We have 7 other entrances to our Village
Use posting boards	\$450.00 to create one for each of the 7 entrances	This does not reach those residents that do not walk about this village and drivers will not stop to read them	
Progress Report (for plan maintenance)			
Date of Status Report:	July 15, 2020		
Report of Progress:	Periodic discussion among Village Board is in progress		
Update Evaluation of the Problem and/or Solution:	November 2020		

Nassau County Multi-Jurisdictional Hazard Mitigation Plan

Name of Jurisdiction: Incorporated Village of Russell Gardens

NYS DHSES Action Worksheet			
Project Name:	Village Tree Preservation and Replacement		
Project Number:	2		
Risk / Vulnerability			
Hazard of Concern:	Loss of Village trees during severe weather events		
Description of the Problem:	Village trees line the streets within 5 feet of the sidewalks and provide a unique visual beauty that provides a full and overlapping canopy shade. This view is desirable to new and established homeowners and gives this Village its' character. Most of these trees are Sycamores, Lindens, and a mix of maple species. Past Hurricanes (i.e., Sandy 2014, Ivan 2011, Barry 2007) all have had impacts on the village trees, Sandy being the worst. Major infrastructure damage tree loss due to moist soil and high winds made many trees topple and hit homes and while blocking roadways making emergency vehicle access impossible to aid Village residents.		
Action or Project Intended for Implementation			
Description of the Solution:	Identify potential village tree hazards that would cause severe damage or personal injury using a systematic yearly approach with a certified arborist. Catalog each tree and tag them by number and species, and identify species tree diameter at "breast height" to gage tree's age. Develop a yearly tree care procedure to ensure proper canopy development. Assess root "flare" health/ root impingement to sidewalks and driveways.		
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:	High	Estimated Benefits (losses avoided):	Avoidance of \$1,000,000 in tree removal costs due to Storm damage
Useful Life:	30 years		
Estimated Cost:	\$35,000.00 / year		
Plan for Implementation			
Prioritization:	Leave Blank	Desired Timeframe for Implementation:	One fiscal year
Estimated Time Required for Project Implementation:	One Fiscal Year	Potential Funding Sources:	Village budget/ Cornell Co-operative funding sources/ Grants
Responsible Organization:	Incorporated Village of Russell Gardens	Local Planning Mechanisms to be Used in Implementation, if any:	Village Board /Public Works and contracted arborist
Three Alternatives Considered (including No Action)			
Alternatives:	<i>Action</i>	<i>Estimated Cost</i>	<i>Evaluation</i>
	No Action	\$0	
	Department of Public Works (DPW) to assess all Village trees not certified as an arborist	\$4,000 in fragmented shared time with other DPW duties	Not enough personnel to complete the thorough action plan related to the estimated time
	Use a tree trimming company without a certified arborist to prune all visible deadwood on Village trees	\$15,000 per year	Many trees health statuses could be missed if tree health is poor at "bucket elevations" and not reported by non Arborists
Progress Report (for plan maintenance)			
Date of Status Report:	In Progress, looking for an arborist		
Report of Progress:	Waiting on the last interview for project acceptance from an arborist		
Update Evaluation of the Problem and/or Solution:	Selected Village Board member is currently working on securing more interviews with other arborists		