

Village of Atlantic Beach Annex

This document presents the Village of Atlantic Beach’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
Steven Cherson – Superintendent of D.P.W. Inc. Village of Atlantic Beach 65 The Plaza Atlantic Beach, NY 11509 info@villageofatlanticbeach.com 516-371-4600	Emily Siniscalchi, Village Clerk Inc. Village of Atlantic Beach 65 The Plaza Atlantic Beach, NY 11509 info@villageofatlanticbeach.com 516-371-4600

Profile

The Village of Atlantic Beach covers approximately 0.48 square miles¹ and has a total population of 1,473 according to the American Community Survey 5-year 2018 Estimates. Some of the demographics of the Village of Atlantic Beach 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 Atlantic Beach Demographic Information

Demographic		Demographic	
Below 5 Years Old	1.8%	Black or African American alone	1.4%
Above 65 Years Old	26.0%	American Indian and Alaska Native alone	0.2%
Individuals with Disabilities	Information not provided	Asian alone	2.2%
Persons in Poverty	2.4%	Native Hawaiian and other Pacific Islander alone	0.0%
Renters	18.0%	Two or More Races	1.2%
Without a High School Diploma	2.7%	White alone, not Hispanic or Latino, percent	91.2%
Without Access to Broadband Internet	0.0%	Hispanic or Latino	3.1%

¹ This is inclusive of land area only.

Since the last plan update, Atlantic Beach has seen an influx of people moving into the area or purchasing seasonal property. Therefore, the Village has had a lot of residential development in the last five years. The jurisdiction maintains its zoning maps and planning teams. 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 Atlantic Beach. The jurisdiction did not identify any additional 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.

Table 2: Village of Atlantic Beach Hazard Impacts

Hazard	Impact Categories
Coastal Hazards	Information not provided
Drought	Information not provided
Extreme Temperatures	Information not provided
Flooding	Information not provided
Ground Failure	Information not provided
Hurricane and Tropical Storms	Information not provided
Hail	Information not provided
Lightning	Information not provided
Severe Winter Weather	Information not provided
Tornados	Information not provided
Wind	Information not provided

Capability Assessment

This section summarizes the capabilities that the Village of Atlantic Beach 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 Atlantic Beach. The Village of Atlantic Beach maintains several key administrative and technical capabilities to support mitigation, including building codes, capital improvement plans, NFIP flood damage prevention ordinances, site plan review requirements, stormwater management plans, and subdivision 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 Atlantic Beach Existing Legal and Regulatory Capabilities

Regulatory Tool	Yes / No	Citation (if applicable)
Access and Functional Needs Plan	No	
Building Code	Yes	
Capital Improvement Plan	Yes	
Climate Action Plan	No	
Community Development Plan	No	
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)	Yes	
Open Space Plan(s)	No	
Post Disaster Recovery Ordinance(s)	No	
Post Disaster Recovery Plan(s)	No	
Real Estate Disclosure Requirements	No	
Resilience Plan(s)	No	
Site Plan Review Requirement(s)	Yes	
Small Area Development Plan(s)	No	
Special Purpose Ordinance(s)	No	
Stormwater Management Plan(s)	Yes	
Subdivision Ordinance(s)	Yes	
Transportation Plan(s)	No	
Zoning Ordinance(s)	Yes	

Administrative and Technical Capability Assessment

Table 4 lists the assessment of existing administrative and technical tools for the Village of Atlantic Beach. The Village of Atlantic Beach's 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 Atlantic Beach Existing Staff / Personnel Resource

Staff / Personnel Resource	Yes / No	Details
Emergency Manager(s)	Yes	
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	
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 Atlantic Beach. Funding is often the biggest barrier when implementing mitigation programs. The Village is primarily able to fund mitigation programs by incurring debt via obligation bonds and private activity bonds and capital improvement projects. Village of Atlantic Beach should consider exploring additional fiscal capabilities in order to gain access to additional funding for mitigation.

Table 5: Village of Atlantic Beach 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	Yes	
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	

Resources	Yes / No	Additional Details
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 existing community classifications for the Village of Atlantic Beach. Exploring gaining one or more community classifications will guide the Village's mitigation programs and support capacity building.

Table 6: Village of Atlantic Beach 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

Most of the Village is located in a 100-year floodplain and many areas are vulnerable to impacts from waves greater than three feet. This section provides a summary of the floodplain management capabilities for Village of Atlantic Beach and how the jurisdiction is meeting the requirements of the National Flood Insurance Program (NFIP).

The Village's Superintendent of Public Works/Building Inspector is responsible for floodplain management. The Village administers the NFIP through building permit and site plan review, and zoning. 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 reported that three properties were substantially damaged as a result of recent flood events. The Village of Atlantic Beach is in good standing with the NFIP. Based on documentation received from NYSDEC, a compliance audit in the form of a Community Assistance Contact was conducted in the Village about five years ago. There are no NFIP compliance violations that need to be addressed in this jurisdiction.

To mitigate future damage to flood-prone properties, structures that exceed the 50% replacement value and new construction must comply with FEMA regulations. The Flood Damage Prevention Ordinance for the Village of Atlantic Beach meets minimum requirements. The ordinance was last amended 08/10/2009 and can be referenced in L.L. No. 3-2009.

Mitigation Strategy

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

Previous Mitigation Actions

Action	Initiate community hazard awareness program. Through various forms of community outreach, residents will be informed of critical steps to take to prepare for an unexpected emergency, and actions to take during and following a local emergency.	Redundant emergency power generation required at main plant.
Risk Category	Severe weather events	Frequent power outages
Project Status	Not started	In progress
Project Status Description	This project has not been started due to a lack of funding and resources. The action will not be carried forward because it is infeasible at this time.	The Greater Atlantic Beach Water Reclamation District is currently finalizing specifications to rehabilitate a building in which the generator will be installed. The phase of installation is expected to start in the coming months.
Carried Forward to 2020 Plan	No	Yes - But it should be carried forward within the Nassau County section of the plan. This has been added to the Nassau County 2014 Mitigation Action Spreadsheet with the implementation status update details.
Required Changes		This project is being funded through GOSR. Initially, GOSR intended to fund a natural gas generator, but the GABWRD Superintendent explained to them that after Sandy, it was not possible to get natural gas on Long Island for weeks. GOSR then allowed for the project to move forward with a diesel generator.

Proposed Mitigation Actions

Project Number	VAB_1	VAB_2	VAB_3	VAB_4	VAB_5	VAB_6
Project Name	Atlantic Beach Public Works Garage	Atlantic Beach Village Hall	Emergency Generator Village Hall	Emergency Generator Public Works Garage	Bulkhead Replacement-Duchess Boulevard	Suffolk Boulevard Bulkhead
Goal being met	1, 3	1, 2, 3	2	2	1, 3	1, 3
Hazards to be mitigated	Flooding	Flooding	Severe Weather Events	Frequent power outages caused by severe weather events	Flooding	Flooding
Description of the Problem	The Village Public Works garage is constructed below grade level and is vulnerable to flooding. Vehicles parked in this garage are vulnerable to damage from flooding.	The Village Hall is constructed at grade level and vulnerable to flooding.	Loss of power in the Village Hall during severe weather.	There are frequent power outages at the Public Works Garage.	Aging bulkhead does not provide adequate protection from coastal flooding at this location.	Aging bulkhead does not provide adequate protection from coastal flooding at this location.
Description of the Solution	Elevate the garage to the FEMA base flood elevation of 13 feet plus an additional two feet to remove the building from potential future flood hazards	Since this building is considered a critical facility, it will be elevated high enough to protect it against the 500-year flood event. Initial estimates indicate that this elevation may be two feet above the FEMA base flood elevation of 13 feet.	Install a generator.	Install a generator.	Replace the bulkheads at this location.	Explore options to repair or replace the existing bulkheads at this location or develop nature-based solutions.
Critical Facility	No	Yes	Yes	No	No	No
EHP Issues	Yes	Yes	No	No	Yes	Yes
Estimated Timeline	When money is available and secured.	When money is available and secured.	2021	2021	2021	2021
Lead Agency	Public Works Department	Public Works Department	Village of Atlantic Beach	Village of Atlantic Beach	Village of Atlantic Beach	Village of Atlantic Beach
Estimated Costs	\$500000	\$4000000	To be determined	To be determined	To be determined	To be determined

Project Number	VAB_1	VAB_2	VAB_3	VAB_4	VAB_5	VAB_6
Estimated Benefits	Prevent flood damage to the garage structure and contents (vehicles).	Reduce and prevent structural and contents damage due to flooding	Power during severe weather events.	Power during severe weather events.	Reduce flooding on roadways and protect property	Reduce flooding on roadways and protect property
Potential Funding Sources	Outside sources, including federal and state grants	Outside sources, including federal and state grants	HMGP	HMGP	HMGP	HMGP

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 Atlantic Beach

NYS DHSES Action Worksheet			
Project Name:	Atlantic Beach Public Works Garage		
Project Number:	Leave Blank		
Risk / Vulnerability			
Hazard of Concern:	Flooding		
Description of the Problem:	The Village Public Works garage is constructed below grade level and is vulnerable to flooding. Vehicles parked in this garage are vulnerable to damage from flooding. The Public Works garage is south of the Atlantic Beach Bridge. Atlantic Beach is on the Long Beach barrier Island and the soil condition is mostly sand. During Super Storm Sandy, the Village lost power for three weeks.		
Action or Project Intended for Implementation			
Description of the Solution:	Elevate the garage to the FEMA base flood elevation of 13 feet plus an additional two feet to remove the building from potential future flood hazards.		
Is this project related to a Critical Facility?		Yes	No <input checked="" type="checkbox"/>
(If yes, this project must intend to protect to the 500-year flood event or the actual worst damage scenario, whichever is greater.)			
Level of Protection:	100 Year Storm	Estimated Benefits (losses avoided):	Prevent flood damage to the garage structure and contents (vehicles)
Useful Life:	20 Years		
Estimated Cost:	\$500,000.00		
Plan for Implementation			
Prioritization:	Leave Blank	Desired Timeframe for Implementation:	When money is available and secured
Estimated Time Required for Project Implementation:	Approximately five years	Potential Funding Sources:	Outside sources, including federal and state grants
Responsible Organization:	Public Works Department	Local Planning Mechanisms to be Used in Implementation, if any:	
Three Alternatives Considered (including No Action)			
Alternatives:	<i>Action</i>	<i>Estimated Cost</i>	<i>Evaluation</i>
	No Action	\$0	
	Elevate the garage to only the FEMA base flood elevation.	To be determined.	The building would not be fully protected from hazards.
	Build a new garage above ground and at a different location.	To be determined.	This would be very expensive.
Progress Report (for plan maintenance)			
Date of Status Report:			
Report of Progress:	None		
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: Village of Atlantic Beach

NYS DHSES Action Worksheet			
Project Name:	Atlantic Beach Village Hall		
Project Number:	Leave Blank		
Risk / Vulnerability			
Hazard of Concern:	Flooding		
Description of the Problem:	The Village Hall is constructed at grade level and is vulnerable to flooding. During Super Storm Sandy, the Village lost power for three weeks. The community relied on the Village to have the Hall operational. If the facility had been severely flooded, there would not have been any continuity of government operations. The Village Hall is located at 65 The Plaza, with a cross street of Pacific Boulevard. The Village Hall is south of the Atlantic Beach Bridge. Atlantic Beach is on the Long Beach Barrier Island and the soil condition is mostly sand.		
Action or Project Intended for Implementation			
Description of the Solution:	Since this building is considered a critical facility, it will be elevated high enough to protect it against the 500-year flood event. Initial estimates indicate that this elevation may be two feet above the FEMA base flood elevation of 13 feet.		
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:	500 Year Flood	Estimated Benefits (losses avoided):	Reduce and prevent structural and contents damage due to flooding
Useful Life:	20 Years		
Estimated Cost:	\$4,000,000		
Plan for Implementation			
Prioritization:	Leave Blank	Desired Timeframe for Implementation:	When money is available and secured
Estimated Time Required for Project Implementation:	Approximately five years	Potential Funding Sources:	Outside sources, including federal and state grants
Responsible Organization:	Public Works Department	Local Planning Mechanisms to be Used in Implementation, if any:	
Three Alternatives Considered (including No Action)			
Alternatives:	<i>Action</i>	<i>Estimated Cost</i>	<i>Evaluation</i>
	No Action	\$0	
	Construct a new Village Hall at a different location.	To be determined	This project would be significantly more expensive than the proposed project.
	Abandon the first floor of Village Hall and construct a second floor at least two feet above the base flood elevation. Floodproof the old first floor with flood vents.	To be determined	This project may be less expensive than elevating the existing structure. It could, however, change the use and function of the building.
Progress Report (for plan maintenance)			
Date of Status Report:			
Report of Progress:	None		
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.		