4 – CITY OF ASBURY PARK

PLANNING TEAM AND PARTICIPATION

Name	Title	Participation
Garrett Giberson	**OEM Director**	**Primary Point of Contact, Municipal Meeting #1, Municipal Meeting #2**
Michele Alonso	Director of Planning and Redevelopment	Municipal Meeting #1, Municipal Meeting #2
John Hayes	Deputy City Manager	Municipal Meeting #1
Jason Harzold	Municipal Engineer	Municipal Meeting #1, Municipal Meeting #2
Gregory Toro	Deputy Director of Public Works	Reviewed appendix
Daniel Paczkowski	Public Works Supervisor	Reviewed appendix

COMMUNITY PROFILE

Overview

The City of Asbury Park is home to unique shops, restaurants, art galleries, music venues, and historical landmarks in its 1.43 square miles. It has a dense central business district and one mile of shoreline for beachgoers. The area between Ocean Avenue and Kingsley Street, the City's 1.25-mile-long boardwalk, Main Street, and the central business district along Cookman Avenue have all been substantially redeveloped in recent years.

Asbury Park has partnered with the Borough of Bradley Beach and the Township of Neptune to encourage walking and biking, as well as ensure pedestrian safety through the Connecting Community Corridors program. This initiative sets forth a strategic plan to streamline and improve inter-municipality transportation.

Asbury Park adopted a Complete Streets Policy in 2015 and published a Plan for Walking and Biking in 2018. These initiatives have committed the City of Asbury Park to work towards making the City a bicycle and pedestrian-friendly community. The City has approximately 14.5 miles of bicycle infrastructure and has plans to expand onto Memorial Drive, Asbury Ave, Eighth Ave, Comstock Street, Third Ave, Fourth Ave, and Monroe Ave.

The City received a Safe Roads to School Grant and will be utilizing the funds to implement traffic calming along Third and Fourth Avenues in the form of a raised intersection. The project is forecasted to be completed by summer of 2025. The City also received a Safe Streets 4 All Grant, which will be utilized to develop a Comprehensive Traffic Safety Action Plan.

Land Use, Development, & Growth

Asbury Park is a predominantly residential community and home to substantial publicly owned land. From 2015 to 2020, the community underwent minimal change in its land use composition; urban or developed land accounted for nearly 89 percent of its total area during this period. The area covered by barren land and water did decline marginally by –8.4 acres and 3.1 -acres, while its developed land increased by 12.3 -acres, but the town's overall land use composition remained largely the same.

Land Use Type	Total Acres (2015)	Total Acres (2020)	Percent Change
Agriculture	-	-	-
Barren Land	53.6	45.2	-16%
Forest	-	-	-
Urban	855.2	867.5	1%
Water	65.0	61.9	-5%
Wetlands	2.8	2.1	-25%

Source: NJDEP Land Use/Land Cover data, 2015-2020

Recent Major Development and Infrastructure from 2021 to Present and Known or Anticipated Major Development and Infrastructure in the Next Five (5) Years

The following table details most of the major development projects in the City occurring as of July 26, 2024.

Project Name	Address	Units or Commercial Square Footage	Status	Experiences flooding?
Baltic and Aegean	216, 218 Third Avenue, 215 Second Avenue	44 units	Under construction	No
Townhouses at Lake	403 Lake Avenue	62 units	Under construction	Yes
Surfhouse	1101 Kingsley Street	220 units, 4600 sq. feet retail	Under construction	No
Inspire by Somerset	115 Fourth Avenue	160 units	Planning Board Approved	No
	Block 4105 Lots 1,2, and 4	9390 sq. feet commercial space		
The Rhythm	202 Seventh Avenue	14 units	Under construction	No
Sunset Square	1401 Kingsley Street	28 units	Under construction	No
Asbury Park Luxury Apartments	201 Sixth Avenue 1509, 1511 Kingsley Street	103 units	TRC Review	No
The Delta	Block 4306	45 Units	TRC approval	No
700 Monroe	700 Monroe	60 (12 affordable)	Planning Board Approved	No
316 Main Street	316 Main Street	24 units and 1,116 square feet commercial space	Planning Board Approved	No
The Rail at Asbury Park	201/301 Memorial Drive (900, 901 Mattison Avenue)	125 (25 affordable) 5000 sq. ft. commercial space	Planning Board Approved	No
	900-904 Springwood Avenue (aka 2 Memorial Drive)	92 (19 Affordable), 11,873 square feet commercial space		
Partner Engineering Headquarters	Partner Engineering	20,250 square feet office	Under construction	No
	1012 Asbury Avenue	105 (42 affordable)	Planning Board approved	No
Springwood Arts Center	1317 Springwood	1 unit and 2,361 square feet commercial space	Under construction	No

From the above developments, “Townhouses at Lake” falls under FEMA's 1% and 0.2% annual chance flood hazard, and New Jersey’s State Flood Hazard Area, as estimated by FEMA’s 1% annual chance floodplain + 3 feet (NJFloodMapper). Four developments- “Inspire by Somerset”, “The Rhythym”, “Sunset square”, and “Asbury Park Luxury Apartments” are also within NJ Inland Design Flood Elevation. And “Springwood Arts Center” falls under the 5 feet SLR (Sea Level Rise) Low-Lying area zone (NJFloodmapper).

Demographics & Vulnerable Populations

This plan analyzed census-derived data on population trends and population age distributions to help illustrate potential vulnerability within the city. A population increase or decrease can illustrate potential hazard vulnerability through development pressures on the built environment, or through physical and social impacts of marked population loss. A community with a large share of population under age five may indicate vulnerabilities in hazard response, resource allocation, and evacuation – FEMA identifies that the pediatric population is disproportionately affected during disasters, and requires special consideration in categories of anatomy and physiology, psychological, and education vulnerabilities (FEMA, 2022, NLM, 2022). Individuals over age 65 are a growing share of the country’s population and often represent the greatest share of deaths from extreme weather events and other natural disasters. A larger share of population over 65 may indicate local vulnerabilities to hazard events both before and after a disaster occurs – these populations may have mobility needs, uneven access to resources, and limited social networks that makes pre-disaster engagement challenging (FEMA, 2023).

The City of Asbury Park has a total estimated population of 15,245, 3.3% of which is estimated to be under age 5, and 12.6% of which is estimated to be over age 65. The City experienced a -3.7% population loss estimated between 2013-2017 and 2018-2022 ACS survey periods. The opportunity for redevelopment and densification of the built environment has been presented post-population loss during this time period.

Additionally, within Asbury Park, there are 16 block groups which meet criteria for overburden (OBC) according to indicators of *Minority* (five block groups), *Low Income* (one block group), and *Low Income and Minority* (ten block groups) population vulnerability. The City also has three tracts which are identified as potentially vulnerable to hazard events under CEJST criteria, meeting this criterion due to *Health*, *Housing*, *Water and Wastewater*, *Workforce Development*, and *Energy* population characteristics. There are no areas of Asbury Park which meet criteria for CDRZ designation.

Demographics Summary	
Total Population *(2018-2022 ACS 5-year Estimates)*	15,245
Population Change since 2017	-3.7%
Percent of Population Age < 5	3.3%
Percent of Population > 65	12.6%

Source: 2018-2022 ACS 5-Year Estimates, 2013-2017 ACS 5-Year Estimates

HAZARD IDENTIFICATION

One of the first steps in developing a risk assessment is for participating municipalities to review and prioritize the hazards that can affect them. This was done based on how often a hazard has occurred, how significant effects have been in the past, the difficulty and cost of recovering from such events. Jurisdictions ranked the list of hazards as either high, medium, low, or no concern. The following include the Borough's hazard ranking. The full risk assessment for each hazard is located in Section 4.0.

Hazard Ranking

High	Medium	Low
	Natural Hazards	
Hurricane/Tropical Storm	Extreme Temperature	Lightning
Nor'easter	Extreme Wind	Drought
Flood	Tornado	Earthquake
Storm Surge	Winter Storm	Wildfire
	Coastal Erosion	
	Wave Action	
	Human-made Hazards	
	Cyber Attack	Power Failure
	Economic Disruption	
	Terrorism	
	Civil Unrest	
	Pandemic	

The City ranked Dam Failure and Landslide as N/A.

Hazard Ranking Explanation

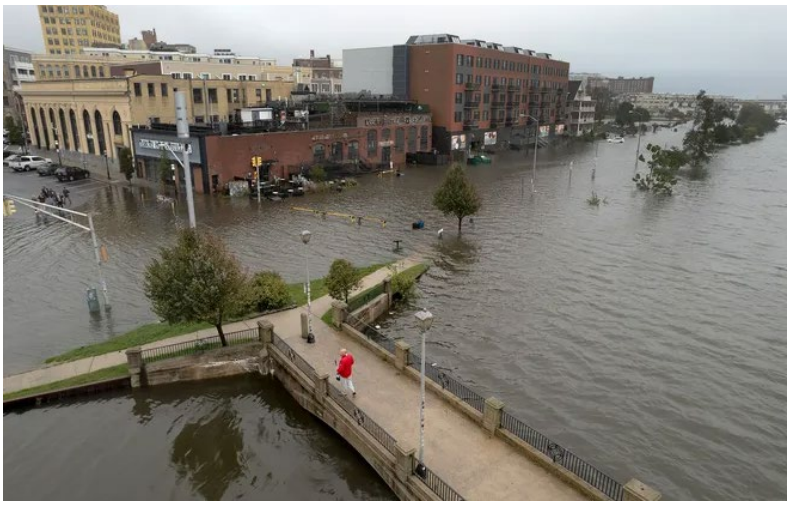
Civil unrest was the only hazard that had a change in its risk level since the last plan update. It increased in severity from low to medium due to the protests in 2020, which resulted in some damage, the overall current climate, and Asbury Park being a City. Extreme temperature had no change in its risk level and remains at medium. However, there have been a couple of events in the past year that required the cooling center to be opened. Power failure is considered a low risk, primarily due to JPL Energy's mechanical failures, which result in outages. Flooding continues to be one of the biggest threats to the City and remains a high hazard, along with other storm events that may cause flooding, such as hurricanes,

tropical storms, and storm surges. Dam failure is not applicable as there are no dams within the City. Landslide is also not applicable due to the City's flat topography.

Significant Hazard Events Since Last Plan Update

In January 2022, there was a nor'easter with significant snowfall of around two feet.

On September 29, 2023, heavy rain (more than seven inches) and higher-than-normal tides caused extreme flooding throughout Asbury Park. Wesley Lake overflowed its banks, flooding Lake Avenue, and Deal Lake also overflowed, causing flooding along Deal Lake Drive. Damages included Asbury Festhalle & Biergarten, House of Independence, and a majority of businesses on Lake Avenue from Main Street to Ocean Avenue. Although most businesses have since reopened, Asbury Festhalle & Biergarten remains permanently closed.



Flooding along Westley Lake. Source: Asbury Park Press

Flooding along Deal Lake. Source: M. Mertz

Climate Change Impacts on Extent and Magnitude of Hazards

Climate change is expected to significantly impact the risks and hazards faced by the City of Asbury Park. One of the primary concerns is the increase in extreme weather events, such as heavy rainfall and nor'easters, which can lead to severe flooding. Asbury Park has already experienced extreme flooding events, such as the one on September 29, 2023, which caused significant damage to businesses and infrastructure. With climate change, the frequency and intensity of such events are likely to increase, exacerbating the risk of flooding and storm surges. This will not only affect the built environment but also pose a threat to the City's critical facilities and community lifelines, many of which are located within flood-prone areas.

Additionally, rising temperatures due to climate change will lead to more frequent and intense heatwaves. Asbury Park, like many other urban areas, is particularly vulnerable to the effects of extreme heat due to the presence of "heat islands" – areas with lots of asphalt and cement and a lack of green space. This can have severe health implications for residents, especially those with high-risk conditions. The City is likely to experience an increase in the number of days with temperatures above 90 degrees, further stressing the need for cooling centers and other heat mitigation measures. Overall, climate change will amplify the extent and magnitude of existing hazards, making it crucial for Asbury Park to implement robust adaptation and mitigation strategies.

RISK ASSESSMENT

National Flood Insurance Program (NFIP) statistics

City of Asbury Park	
Initial FIRM	2/15/1979
Effective FIRM	6/15/22
Number of Policies In-Force:	458
Total Losses:	74
Total Payments:	$4,025,878.01
Number of RL Properties:	5
Number of Mitigated RL Properties:	0
RL – Total Losses:	11
RL – Total Paid:	$1,524,474.85
Number of SRL Properties:	0
Number of Mitigated SRL Properties:	0
SRL – Total Losses:	0
SRL – Total Paid:	0

Source: FEMA Policy and Loss Data, August 2024

Vulnerability of the Built Environment

The Special Flood Hazard Area (SFHA) in the City of Asbury Park is primarily located adjacent to the waterbodies of the City: Deal, Sunset, and Wesley Lakes and the Atlantic Ocean. Approximately 14.7 percent of the total area of Asbury Park lies within the 1% annual chance flood zone as defined by FEMA. An additional 4.9 percent of the area of the municipality is in the 0.2% annual chance flood zone.

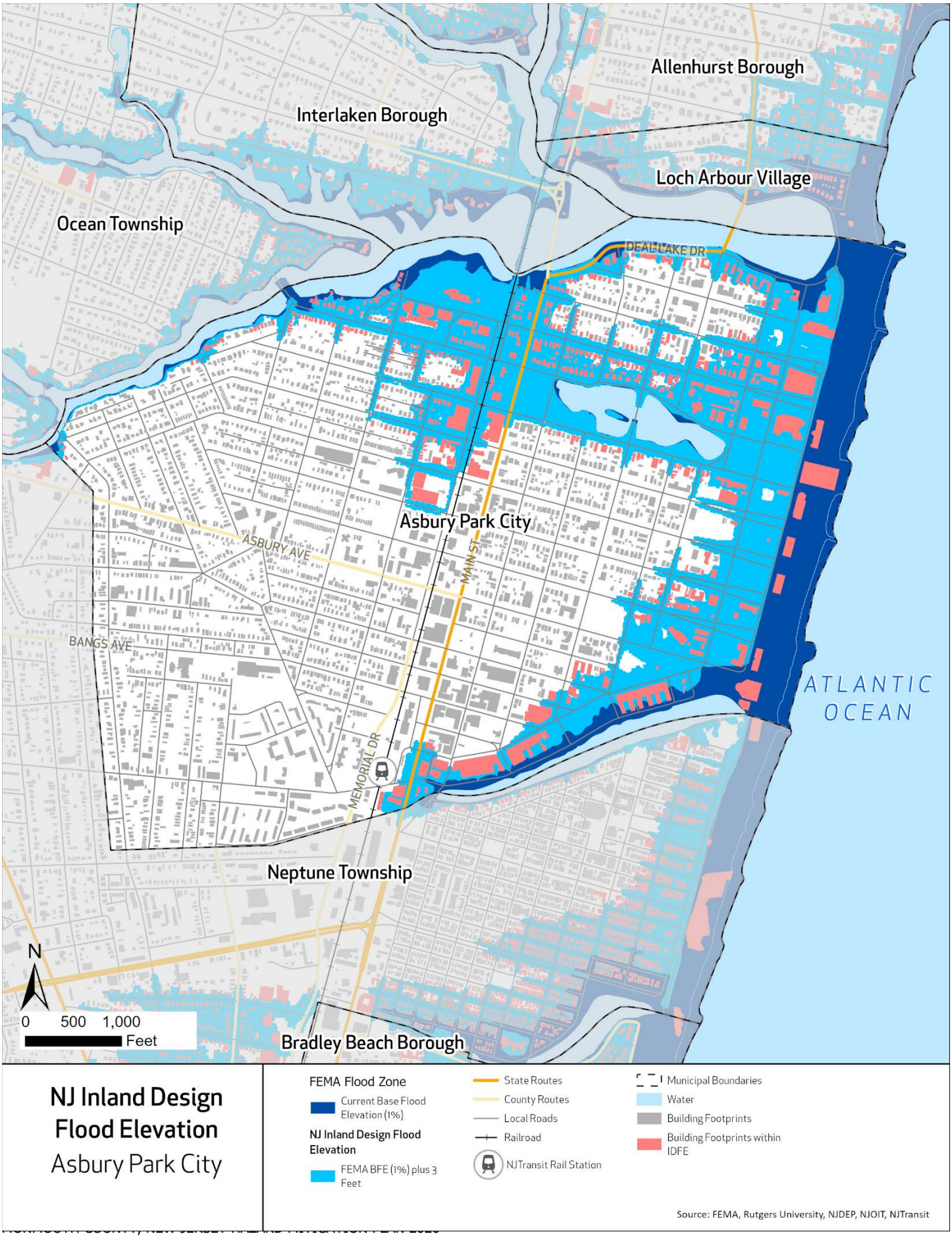
Roughly 77 percent of Asbury Park is considered developed. Of the developed parcels of the town, 2.1 percent fall within the 1% annual chance flood zone and 1.5 percent are within the 0.2% annual chance flood zone. This illustrates that development in the municipality has generally occurred in areas that are less prone to flooding.

	Percentage in the 1% Floodplain	Percentage in the 0.2% Floodplain	5 feet of Sea Level Rise
Developed Parcels	2.1%	1.5%	0.0%
Exposed Land Area	14.7%	4.9%	1.2%

During the planning process, Asbury Park identified critical facilities which function as community lifelines. These facilities provide the most fundamental services in the community that, when stabilized, enable all other aspects of society to function. The municipality identified 28 total facilities. Of these facilities, three are located within the floodplain, including water systems and communications lifelines. Examples of the water systems lifeline includes facilities such as dams or water treatment plants, while examples of the communications lifeline include facilities such as cell towers or 911 dispatch facilities.

Community Lifeline Type	Number in the 1% Floodplain	Number in the 0.2% Floodplain	Number within 5 feet of Sea Level Rise
Communications	-	1	-
Water Systems	1	1	-


Allenhurst Borough
Interlaken Borough
Loch Arbour Village
Ocean Township
DEAL LAKE DR
Deal Lake
Sunset Lake
Asbury Park City
ASBURY AVE
MAIN ST
MEMORIAL DR
ATLANTIC OCEAN
Neptune Township
N
0 500 1,000
Feet
Fletcher Lake
Bradley Beach Borough
Flood Risk
Asbury Park City
FEMA Flood Zone
0.2% Annual Chance
AE (1%)
VE (1%)
State Routes
County Routes
Local Roads
Rail Lines
NJTransit Rail Station
Municipal Boundaries
Building Footprints
Building Footprints within Floodplain
Water
Source: FEMA NJDEP, NJOIT, NJTransit


Allenhurst Borough
Interlaken Borough
Loch Arbour Village
Ocean Township
DEAL LAKE DR
Asbury Park City
ASBURY AVE
MAIN ST
BANGS AVE
MEMORIAL DR
ATLANTIC OCEAN
Neptune Township
Bradley Beach Borough
N
0 500 1,000
Feet
NJ Inland Design Flood Elevation
Asbury Park City
FEMA Flood Zone
Current Base Flood Elevation (1%)
NJ Inland Design Flood Elevation
FEMA BFE (1%) plus 3 Feet
State Routes
County Routes
Local Roads
Railroad
NJTransit Rail Station
Municipal Boundaries
Water
Building Footprints
Building Footprints within IDFE
Source: FEMA, Rutgers University, NJDEP, NJOIT, NJTransit

Permanent Inundation Under Sea Level Rise (SLR) Scenarios

Asbury Park City

- Area Inundated Under 2 Feet SLR
- Area Inundated Under 3 Feet SLR
- Area Inundated Under 5 Feet SLR
- Interstate Highways
- State Routes
- County Routes
- Local Roads
- Rail Lines
- NJTransit Rail Station
- Municipal Boundaries
- Building Footprint
- Water

Source: NOAA, NJDEP, NJOIT, NJTransit


Allenhurst Borough
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Deal Lake
Sunset Lake
Asbury Park City
ASBURY AVE
MAIN ST
BANGS AVE
MEMORIAL DR
ATLANTIC OCEAN
Neptune Township
Fletcher Lake
Bradley Beach Borough
N
0 500 1,000
Feet
Wildland Urban Interface (WUI) Classification
Asbury Park City
High or Medium Density Housing
Low or Very Low Density Housing
No Housing
State Routes
County Routes
Local Roads
Rail Lines
NJTransit Rail Station
Municipal Boundaries
Building Footprint
Water
Source: USFS, NJDEP, NJOIT, NJTransit

CAPABILITY ASSESSMENT

Planning & Regulatory Capabilities

Asbury Park City has the following additional Planning & Regulatory capabilities:

Plan and Regulation	Yes	No	Date of last update	How does this capability support hazard mitigation?
Master Plan	X		2017	Discusses conservation efforts.
Capital Improvement Plan		X		
Local Emergency Operations Plan/Continuity of Operations Plan	X		2024	
Floodplain Development Ordinance	X		2022	Establishes more stringent design and construction standards to prevent flooding
Floodplain Management Plan		X		
Stormwater Management Ordinance	X		2021	Establishes updated standards and to reflect and align with updates to NJDEP requirements
Stormwater Management Plan	X		2007	Plan outlines specific stormwater design and performance standards for new development and proposes stormwater management controls to address impacts from existing development
Watershed Management Plan		X		
Sheltering Plan	X		2024	
Evacuation Plan	X		2024	
Substantial Damage/Improved Structures Response	X		2024	
Repetitive Loss Plan		X		
Disaster Debris Management Plan	X		2024	
Tracking elevation certificates and/or Letter of Map Change		X		
Post-Disaster Recovery Plan		X		
Current/recent redevelopment plans or studies	X			
Community Wildfire Protection Plan		X		
Climate Adaptation Plan		X		
Other Plans that discusses hazard mitigation	X			One City: West Side Choice Neighborhood Transformation Plan The Sunset Lake Master Plan Asbury Park Arts and Culture Plan
Other ordinance and regulation that mitigate the impacts of natural hazards		X		

Administrative and Technical Capabilities

Asbury Park City has the following Administrative and Technical capabilities:

Position	Yes	No	Explanation
Floodplain Administrator	X		City Manager or his/her designee. Currently T&M Associates, City Engineers
Grant Writer		X	
Staff trained to support mitigation		X	
Existing mutual aid or technical assistance agreements to support hazard mitigation projects		X	
Non-governmental organizations/other partners that work with the municipality on mitigation projects		X	

Position	Yes	No	Explanation
Organizations that work with socially vulnerable or underserved populations		X	

Education and Outreach Capabilities

Asbury Park City has the following Education and Outreach capabilities:

Education & Outreach Capability	Yes	No	Explanation
Communicate natural and human-based hazards to the public	X		Community Alert System – NIXLE – Utilized for public emergency notifications
StormReady	X		Existing EOP, Partnership With County and State OEM, NWS
Firewise USA		X	
Severe Weather Awareness Week		X	
Community Rating System (CRS)		X	

Financial Capabilities

Within the last five years, Asbury Park City has used the following financial capabilities to implement hazard mitigation activities:

Financial Capability	Yes	No	Explanation
FEMA BRIC		X	
FEMA FMA		X	
FEMA Public Assistance		X	
FEMA HMGP	X		Funding provided for installation of emergency generators at critical facilities
Non-FEMA Federal Funding Programs		X	
Other FEMA resources		X	
NJ Infrastructure Bank		X	
Other state municipal assistance or grant programs	X		Annual NJDOT Municipal Aid/Urban Aid grants to improve roadway and stormwater infrastructure
Evaluation process on the prioritization of risk reduction projects against other local activities		X	
Other ongoing efforts to build additional financial capabilities		X	

Additional Capability Assessment Information:

- **Sustainable Jersey Participation Status:** Silver

MITIGATION STRATEGY

Overview and Progress Since Last Plan Update

The City of Asbury Park has prioritized flood prevention as a major goal in 2025. Recent flooding events and overall stormwater system deficiencies necessitate the development of strategies and implementation of capital improvements to prevent future flooding, minimize flood damage, and improve the performance of the City's existing stormwater infrastructure.

Completed or Removed Actions

Action	Name	Description	Hazards Addressed	Priority	Responsible Party	Potential Funding	Cost Estimate	Timeline	Action Status	Notes
Action 4-1	Purchase Portable Light Towers	Portable light towers for rescues at night or during a power outage.	All Hazards	N/A	City Administration	Municipal budget		N/A	Completed	
Action 4-2	Replace and Upgrade Generators at Critical Facilities	Replace generator at Wastewater Treatment Plant, purchase and install generators at the Asbury Park Senior Citizen Center, and replace generator at City Hall (housing the OEM Command Center and the police station). All three facilities will require a prop	All Hazards	N/A	Director of Engineering and Public Works	FEMA HMA	$1M	N/A	Completed	Action Completed Risk of treatment plant failure dramatically reduced by the installation of emergency power supply. All populations and demographics within the City are affected. Impacts of climate change will not change outcome.

New and Ongoing Actions

Action	Name	Description	Hazards Addressed	Priority	Responsible Party	Potential Funding	Cost Estimate	Timeline	Action Status	Notes
Action 4-3	Clean and Upgrade Outfall Pipes to Remove Sediment and Increase Stormwater Capabilities at Sunset Lake	Clean and upgrade outfall pipes to remove sediment and increase stormwater capabilities at Sunset Lake	Flood, Nor'easter, Hurricane and Tropical Storm, Storm Surge	Medium	Public Works, Engineering	Municipal budget	$35M	1 year	Ongoing	Lack of funding Flood damage reduction. Action would address socially vulnerable population. Climate change affects the action outcome.
Action 4-4	Install Larger Outfall Pipes and an Automatic Dredge Flume to Mitigate Flooding at Wesley Lake	Wesley Lake needs larger outfall pipes, an automatic dredge flume, sewer inspectors of foot bridge.	Flood, Nor'easter, Hurricane and Tropical Storm, Storm Surge	High	Director of Engineering and Public Works	FEMA HMA, Municipal budget	$12M	2 years	Ongoing	Lack of funding Flood damage reduction. Action would address socially vulnerable population. Climate change affects the action outcome.

Action	Name	Description	Hazards Addressed	Priority	Responsible Party	Potential Funding	Cost Estimate	Timeline	Action Status	Notes
Action 4-5	Elevate Residential Structures at Risk to Flooding, including any Repetitive Loss (RL) or Severe Repetitive Loss (SRL) Properties	Elevate flood-prone residential structures, with a focus on RL and SRL properties.	Flood, Nor'easter, Hurricane and Tropical Storm, Storm Surge	High	Construction Department	FEMA HMA	$10M	5 + years	Ongoing	Lack of funding Flood damage reduction. Action would address socially vulnerable population. Climate change affects the action outcome.
Action 4-6	Dredge Deal Lake, Construct Automatic Tide Gate, and Expand CapaCity of Boat Ramp to Mitigate Flooding Around Deal Lake	Dredge Deal Lake by two feet and improve the living shorelines; replace the existing tide gate with an automatic type with sensors to maintain the gate open before the Atlantic Ocean begins backing into the lake during extreme high tide or severe weather	Flood, Nor'easter, Hurricane and Tropical Storm	High	Public Works, Engineering	Municipal budget, The Nature Conservancy (TNC), Deal Lake Commission	$2.5M	1 year	Ongoing	Lack of funding Flood damage reduction. Action would address socially vulnerable population. Climate change affects the action outcome.
Action 4-7	Reconstruct Stormwater Lines to Mitigate Flooding in the City	Pinpoint all areas of flooding thereby identifying existing storm facilities and their respective routes to the new systems. Reconstruct all storm lines and structures from the flooded areas leading and connecting to the new systems taking the path of lea	Flood, Nor'easter, Hurricane and Tropical Storm	Medium	Director of Engineering and Public Works	FEMA HMA, Municipal budget	$18M	1 year	Ongoing	Lack of funding Flood damage reduction. Action would address socially vulnerable population. Climate change affects the action outcome.
Action 4-8	Relocate Fire House/EMT Services and Add Security Measures	The Fire House and EMT building is over 120 years old. The City is looking to acquire a property outside the SFHA for these services. Once the new building is constructed, the City would like to add surveillance cameras to the exterior of the building.	All Hazards	Low	City Fire and Administration	Homeland Security grants, Municipal budget	$21M	1 year	Ongoing	Currently under construction Fire risk reduction Action addresses socially vulnerable populations. Climate change will not affect the action outcome.

Action	Name	Description	Hazards Addressed	Priority	Responsible Party	Potential Funding	Cost Estimate	Timeline	Action Status	Notes
Action 4-9	Initiate Quarterly Inspect Sewer Pipes	Quarterly, use a video feed to inspect the conditions of City pipes.	All Hazards	Low	City Public Works and Engineering	Municipal budget	$250,000	5 + years	Ongoing	In development. Flood risk reduction Action addresses socially vulnerable populations
Action 4-10	Install Temporary Signals and Generators for Traffic Lights for Emergency Evacuation Routes	Install temporary signals at intersections when power is out (shore term); identify critical intersections and develop a prioritized list for generator-powered emergency traffic control (long-term).	All Hazards	Low	City Engineering and Transportation Director	FEMA HMA, Municipal budget	$150,000	4 years	Ongoing	Lack of funding Flood damage reduction. Action would address socially vulnerable population. Climate change affects the action outcome.
Action 4-11	Increase Security in Public Spaces, especially the Boardwalk, the CBD, and the Train Station	Increase security at DPW, along the Boardwalk, and in City parks. Expand the closed-circuit systems to include public spaces.	Terrorism	Low	City Administration	Homeland Security grants, Municipal budget	$150,000	1 year	Ongoing	
Action 4-12	Floodproof DPW & Sewer Treatment Plant	Floodproof or elevate facilities for the DPW yard and sewer plant (located on the beach) that are prone to flooding.	Flood, Wave Action, Nor'easter, Hurricane and Tropical Storm, Storm Surge	High	City Public Works and Engineering	FEMA HMA	$550,000	1 year	Ongoing	Lack of funding Flood damage reduction. Action would address socially vulnerable population. Climate change affects the action outcome.
Action 4-13	Purchase and Install Generator and Provide ADA Access for the Asbury Park Library (Emergency Shelter)	The library needs a generator and ADA access to service the vulnerable population in times of severe weather events. Additionally, the City would like to migrate the City's data into the library, as it is the safest building in the City.	Flood, Cyber Attack, Nor'easter, Hurricane and Tropical Storm, Storm Surge	Low	City	FEMA HMA, Homeland Security grants, Municipal budget	$150,000	2 years	Ongoing	

Action	Name	Description	Hazards Addressed	Priority	Responsible Party	Potential Funding	Cost Estimate	Timeline	Action Status	Notes
Action 4-14	Acquire properties in flood prone areas, with a focus on Repetitive Loss (RL) and Severe Repetitive Loss (SRL) properties	Acquire structures that are listed as RL/SRL properties and restore to open space.	Flood, Nor'easter, Hurricane and Tropical Storm	High	City and Property Owners	FEMA HMA	TBD	5 + years	Ongoing	Lack of funding Flood damage reduction. Action would address socially vulnerable population. Climate change affects the action outcome.
Action 4-15	Construct strengthened bulkhead along with Interlaken Borough and City of Asbury Park	Strengthen flood resilience along Deal Lake with a fortified bulkhead. Collaboration with surrounding municipalities ensures cost-effectiveness and durability.	Flood, Nor'easter, Hurricane and Tropical Storm	Low	Loch Arbour Village, Interlaken Borough, City of Asbury Park	FEMA HMA	TBD	5 + years	New	Lack of funding Flood damage reduction. Action would address socially vulnerable population. Climate change affects the action outcome.