



SECTION 9. JURISDICTIONAL ANNEXES

9.13 TOWNSHIP OF EDGEWATER PARK

This section presents the jurisdictional annex for the Township of Edgewater Park that provides resources and information to assist public and private sectors to reduce losses from future hazard events. This annex is not guidance of what to do when a disaster occurs. Rather, this annex concentrates on actions to reduce or eliminate damage to property and people that can be implemented prior to a disaster. Information presented includes a general overview of the municipality, who in the Township of Edgewater Park participated in the planning process, an assessment of the Township of Edgewater Park’s risk and vulnerability, the different capabilities used in the Township of Edgewater Park, and an action plan that will be implemented to achieve a more resilient community.

9.13.1 Hazard Mitigation Planning Team

The Township of Edgewater Park identified the hazard mitigation plan primary and alternate points of contact and developed this plan over the course of several months with input from many Township of Edgewater Park departments, including Emergency Management and Planning. The Emergency Management Coordinator represented the community on the Burlington County Hazard Mitigation Planning Partnership and supported the local planning process requirements by securing input from persons with specific knowledge to enhance the plan. All departments were asked to contribute to the annex development through reviewing and contributing to the capability assessment, reporting on the status of previously identified actions, and participating in action identification and prioritization.

The following table summarizes municipal officials that participated in the development of the annex and in what capacity. Additional documentation on the municipality’s planning process through Planning Partnership meetings is included in Volume 1, Section 2 (Planning Process) and Appendix C (Meeting Documentation).

Table 9.13-1. Hazard Mitigation Planning Team

Primary Point of Contact		Alternate Point of Contact	
Name/Title:	Joseph T. Pullion, Township Administrator	Name/Title:	Alyssa Meredith, Emergency Management Coordinator
Address:	400 Delanco Road, Edgewater Park, NJ 08010	Address:	400 Delanco Road, Edgewater Park, NJ 08010
Phone Number:	609-877-2050 ext. 350	Phone Number:	
Email:	tpullion@edgewaterpark-nj.com	Email:	ameredith@edgewaterpark-nj.com
NFIP Floodplain Administrator			
Name/Title:	Rakesh Darji, Township Engineer		
Address:	815 East Gate Drive, Suite 103 Mount Laurel, NJ 08054		
Phone Number:	(856) 235-7170		
Email:	rdarji@erinj.com		
Additional Contributors:			



Name/Title:	Edward Fox, AICP PP, Township and Board Planner
Method of Participation:	Completed Worksheets A, B, and D
Name/Title:	Brett Evans, Police Chief
Method of Participation:	Attended the Planning Partnership Risk Assessment Meeting and Mitigation Strategy Workshop
Name/Title:	Michelle Atzert, Administrator/Treasurer, Edgewater Park Sewerage
Method of Participation:	Completed the stakeholder survey
Name/Title:	Alyssa Meredith, Emergency Management Coordinator
Method of Participation:	Completed Risk Assessment Worksheet

9.13.2 Municipal Profile

Located along the Delaware River in northern Burlington County, the Township of Edgewater Park is bordered by Burlington Township to the east, Willingboro to the south, Delanco to the west, and the City of Beverly to the northwest. The Township encompasses nearly 3 square miles, and serves as a suburb of Philadelphia, Pennsylvania across the Delaware River. The Delaware River serves as a natural border to the west. The Township has a total area of 3.040 square miles, including 2.894 square miles of land and 0.146 square miles of water.

Edgewater Park Township is governed under the Township form of government with a five-member Township Committee. The Township Committee is elected directly by the voters in partisan elections to serve three-year terms of office on a staggered basis, with one or two seats coming up for election each year. At an annual reorganization meeting, the Township Committee selects one of its members to serve as Mayor and another as Deputy Mayor.

According to the U.S. Census, the 2020 population for the Township of Edgewater Park was 8,930, a 0.5 percent increase from the 2010 Census. Data from the 2021 American Community Survey 5-Year Population Estimates indicate that 17.6 percent is 65 years of age or older, 7.8 percent of the population is 5 years of age or younger, 4.1 percent is non-English speaking, 16.4 percent has a disability, and 18.4 percent is below the poverty level. Communities must deploy a support system that enables all populations to safely reach shelters or to quickly evacuate a hazard area.

9.13.3 Jurisdictional Capability Assessment and Integration

The Township of Edgewater Park performed an inventory and analysis of existing capabilities, plans, programs, and policies that enhance its ability to implement mitigation strategies. Volume 1, Section 5 (Capability Assessment) describes the components included in the capability assessment and their significance for hazard mitigation planning. The jurisdictional assessment includes the following analyses:

- An assessment of legal and regulatory capabilities.
- Development and permitting capabilities.
- An assessment of administrative and technical capabilities.
- An assessment of fiscal capabilities.
- An assessment of education and outreach capabilities.
- Classification under various community mitigation programs.



- The community's adaptive capacity to withstand hazard events.

For a community to succeed in reducing long-term risk, hazard mitigation must be integrated into the day-to-day local government operations. As part of the hazard mitigation analysis, planning/policy documents were reviewed, and each jurisdiction was surveyed to obtain a better understanding of their progress toward plan integration. The updated mitigation strategy provided an opportunity for the Township of Edgewater Park to identify opportunities for integration of mitigation concepts that can be incorporated into municipal procedures.

Planning, Legal, and Regulatory Capability and Integration

The table below summarizes the regulatory tools that are available to the Township of Edgewater Park. The comment field provides information as to how the capability integrates hazard mitigation and risk reduction.

Table 9.13-2. Planning, Legal, and Regulatory Capability and Integration

	Jurisdiction has this? (Yes/No)	Code Citation and Date (code chapter, name of plan, date of plan)	Authority (local, county, state, federal)	Individual / Department / Agency Responsible
Codes, Ordinances, & Regulations				
Building Code	Yes	Chapter 193	State and Local	Construction Official
<i>How does this reduce risk?</i> This chapter and the Building Code shall be enforced and administered by the Construction Official as appointed by the Township. This code ensures all buildings are in line with the Uniform Construction Code, as adopted by the Township and the State of New Jersey.				
Zoning/Land Use Code	Yes	Chapter 310	Local	Zoning Officer, Planning Board
<i>How does this reduce risk?</i> Risk reduction recommendations for Chapter 310 were included in the 2021 Master Plan Land Use Plan Update, but implementation ordinances have not yet been prepared and adopted.				
Subdivision Ordinance	Yes	Chapter 310, Article 11	Local	Zoning Officer, Planning Board
<i>How does this reduce risk?</i> Risk reduction recommendations for Chapter 310 were included in the 2021 Master Plan Land Use Plan Update, but implementation ordinances have not yet been prepared and adopted.				
Site Plan Ordinance	Yes	Chapter 310, Article 11	Local	Zoning Officer, Planning Board
<i>How does this reduce risk?</i> Risk reduction recommendations for Chapter 310 were included in the 2021 Master Plan Land Use Plan Update, but implementation ordinances have not yet been prepared and adopted.				
Stormwater Management Ordinance	Yes	Chapter 444	Local	Public Works
<i>How does this reduce risk?</i> The purpose of this article is to establish minimum stormwater management requirements and controls to protect and safeguard the general health, safety, and welfare of the public residing within this jurisdiction. An identified objective of this ordinance is to minimize increases in the volumes and rates of stormwater runoff from land development activities in order to reduce flooding and streambank erosion.				
Post-Disaster Recovery/ Reconstruction Ordinance	No	-	-	-



	Jurisdiction has this? (Yes/No)	Code Citation and Date (code chapter, name of plan, date of plan)	Authority (local, county, state, federal)	Individual / Department / Agency Responsible
<i>How does this reduce risk?</i>				
Real Estate Disclosure	Yes	Senate Bill 3110; P. L. 2023, c. 93, July 3, 2023	State	Sellers and Landlords of commercial or residential property
<p><i>How does this reduce risk?</i></p> <p>For leases, the law amends the New Jersey Truth-in-Renting Act, N.J.S.A. 46:8-43 et seq., to require every landlord to notify in writing each of the landlord’s tenants, prior to lease signing or renewal, whether the property is located in the Federal Emergency Management Agency (FEMA) Special Flood Hazard Area (“100-year floodplain”) or Moderate Risk Flood Hazard Area (“500-year floodplain”) and if the landlord has actual knowledge that the rental premises or any portion of the parking areas of the real property containing the rental premises has been subjected to flooding. The law does not apply to (1) landlords who lease commercial space or residential dwellings for less than one month, (2) residential dwellings in a premises containing not more than two units, (3) owner-occupied premises containing not more than three units, or (4) hotels, motels, or other guest houses serving transient or seasonal guests for a period of less than 120 days.</p> <p>The model notice is to contain the heading “Flood Risk” and questions for the landlord to answer regarding the landlord’s actual knowledge of past flooding of the property. The questions regarding the property being in a FEMA Special or Moderate Risk Flood Hazard Area shall not contain the option for “unknown.” To determine how the questions are to be answered, FEMA’s current flood insurance rate maps for the leased premises area must be consulted. The landlord will be required to answer whether the rental premises or any portions of the parking areas of the real property containing the rental premises ever experienced any flood damage, water seepage, or pooled water due to a natural flood event and, if so, the number of times that has occurred.</p> <p>The notice to residential tenants must also indicate that flood insurance may be available to renters through FEMA’s National Flood Insurance Program to cover their personal property and contents in the event of a flood and that standard renter’s insurance does not typically cover flood damage.</p> <p>For sales, the law also amends the New Jersey Consumer Fraud Act, N.J.S.A. 56:8-1 et seq., to require sellers of real property to disclose, on the property condition disclosure statement, whether the property is located in the FEMA Special or Moderate Risk Flood Hazard Area and any actual knowledge of the seller concerning flood risks of the property to the purchaser before the purchaser becomes obligated under any contract for the purchase of the property.</p> <p>The disclosure statement must contain the heading “Flood Risk” and ask the seller the following questions:</p> <ul style="list-style-type: none"> • Is any or all of the property in the Special Flood Hazard Area (“100-year floodplain”) or a Moderate Risk Flood Hazard Area (“500-year floodplain”) according to FEMA’s current flood insurance rate maps? • Is the property subject to any requirement under federal law to obtain and maintain flood insurance on the property? Properties in the Special Flood Hazard Area with mortgages from federally regulated or insured lenders are required to obtain and maintain flood insurance. • Have you ever received assistance from, or are you aware of any previous owners receiving assistance from FEMA, the U.S. Small Business Administration, or any other federal disaster flood assistance for flood damage on the property? For properties that have received flood disaster assistance, the requirement to obtain flood insurance passes down to all future owners. • Is there flood insurance on the property? A standard homeowner’s insurance policy typically does not cover flood damage. • Is there a FEMA elevation certificate available for the property? If so, it must be shared with the buyer. An elevation certificate is a FEMA form, completed by a licensed surveyor or engineer, that provides critical information about the flood risk of the property and is used by flood insurance providers to determine the appropriate insurance rating for the property. • Have you ever filed a claim for flood damage to the property with any insurance provider? If the claim was approved, what was the amount received? • Has the property experienced any flood damage, water seepage, or pooled water due to a natural flood event, such as heavy rainfall, coastal storm surge, tidal inundation, or river overflow? If so, how many times? <p>Not all provisions of this law have become effective at the time of the writing of this plan.</p>				
Growth Management	No	-	-	-
<i>How does this reduce risk?</i>				



	Jurisdiction has this? (Yes/No)	Code Citation and Date (code chapter, name of plan, date of plan)	Authority (local, county, state, federal)	Individual / Department / Agency Responsible
Growth management recommendations for Chapter 310 were included in the 2021 Master Plan Land Use Plan Update, but implementation ordinances have not yet been prepared and adopted.				
Environmental Protection Ordinance	No	-	-	-
<i>How does this reduce risk?</i>				
Flood Damage Prevention Ordinance	Yes	Chapter 310, Article 32	Local	Township Engineer
<i>How does this reduce risk?</i> Complies with State regulations.				
Wellhead Protection	No	-	-	-
<i>How does this reduce risk?</i>				
Emergency Management Ordinance	Yes	Chapter 44	Local	OEM
<i>How does this reduce risk?</i> Code Chapter 44 Emergency Management does not address this issue.				
Climate Change Ordinance	No	-	-	-
<i>How does this reduce risk?</i>				
Other	No	-	-	-
<i>How does this reduce risk?</i>				
Planning Documents				
Comprehensive/Master Plan	Yes	Township of Edgewater Park Master Plan, May 2021	Local	Planning Board
<i>How does this reduce risk?</i> 2021 Master Plan Land Use Plan Update included a climate change hazard vulnerability assessment.				
Capital Improvement Plan	Yes	Capital Improvement Plan, Annual	Local	All Departments
<i>How does this reduce risk?</i> The current plan's budget does not have a specific category for risk reduction.				
Disaster Debris Management Plan	Yes	Township of Edgewater Park EOP 2022	Local	OEM
<i>How does this reduce risk?</i> The efficient and rapid management of disaster debris will help to protect the health and safety of the affected population, minimize threats to the environment, and ensure that critical response and recovery activities can proceed in a timely and unencumbered manner.				
Floodplain Management or Watershed Plan	No	-	-	-
<i>How does this reduce risk?</i>				
Stormwater Management Plan	Yes	Township of Edgewater Park Municipal Stormwater Management Plan, March 2007	Local	Public Works
<i>How does this reduce risk?</i> Complies with State regulations.				
Stormwater Pollution Prevention Plan	Yes	Township of Edgewater Park Stormwater Pollution Prevention Plan, March 2007	Local	Public Works
<i>How does this reduce risk?</i> Complies with State regulations.				



	Jurisdiction has this? (Yes/No)	Code Citation and Date (code chapter, name of plan, date of plan)	Authority (local, county, state, federal)	Individual / Department / Agency Responsible
Open Space Plan	Yes	Township of Edgewater Park Master Plan Open Space and Recreational Facilities Element, May 2021	Local	Planning Board
<i>How does this reduce risk?</i> Open Space recommendations were included in the 2021 Master Plan Land Use Plan Update, but implementation ordinances have not yet been prepared and adopted.				
Urban Water Management Plan	No	-	-	-
<i>How does this reduce risk?</i>				
Habitat Conservation Plan	No	-	-	-
<i>How does this reduce risk?</i>				
Economic Development Plan	Yes	Township of Edgewater Park Master Plan Land Use Element, May 2021	Local	Planning Board
<i>How does this reduce risk?</i> Economic development recommendations were included in the 2021 Master Plan Land Use Plan Update, but implementation ordinances have not yet been prepared and adopted.				
Shoreline Management Plan	No	-	-	-
<i>How does this reduce risk?</i>				
Community Wildfire Protection Plan	No	-	-	-
<i>How does this reduce risk?</i>				
Community Forest Management Plan	No	-	-	-
<i>How does this reduce risk?</i>				
Transportation Plan	Yes	Township of Edgewater Park Master Plan Transportation Element, May 2021	Local	Planning Board
<i>How does this reduce risk?</i> Transportation recommendations were included in the 2021 Master Plan Land Use Plan Update, but implementation ordinances have not yet been prepared and adopted.				
Agriculture Plan	No	-	-	-
<i>How does this reduce risk?</i>				
Climate Action/ Resiliency/Sustainability Plan	Yes	Township of Edgewater Park Master Plan, May 2021	Local	Planning Board
<i>How does this reduce risk?</i> Recommendations were included in the 2021 Master Plan Land Use Plan Update, but implementation ordinances have not yet been prepared and adopted.				
Tourism Plan	No	-	-	-
<i>How does this reduce risk?</i> This is not an issue in Edgewater Park Township.				
Business/ Downtown Development Plan	No	-	-	-
<i>How does this reduce risk?</i> This is not an issue in Edgewater Park Township.				



	Jurisdiction has this? (Yes/No)	Code Citation and Date (code chapter, name of plan, date of plan)	Authority (local, county, state, federal)	Individual / Department / Agency Responsible
Other	No	-	-	-
<i>How does this reduce risk?</i>				
Response/Recovery Planning				
Emergency Operations Plan	Yes	Township of Edgewater Park EOP 2022	Local	OEM
<i>How does this reduce risk?</i> The Emergency Operations Plan aims to assess the Township's ability to respond to emergency and identifies recommendations to improve its capacity to prepare and respond to future events. The plan address both short- and long-term recovery.				
Continuity of Operations Plan	Yes	Township of Edgewater Park EOP 2022	Local	OEM
<i>How does this reduce risk?</i> The purpose of the Continuity of Operations (COOP) plan is to establish policy and guidance to ensure that essential functions for an agency are continued in the event that manmade, natural, or technological emergencies disrupt or threaten to disrupt normal operations. The COOP plan enables the agency to operate with a significantly reduced workforce and diminished availability of resources, and to operate from an alternate work site should the primary facility become uninhabitable.				
Strategic Recovery Planning Report	No	-	-	-
<i>How does this reduce risk?</i>				
Threat & Hazard Identification & Risk Assessment (THIRA)	Yes	Township of Edgewater Park EOP 2022	Local	OEM
<i>How does this reduce risk?</i> The Threat and Hazard Identification and Risk Assessment (THIRA) helps the Township understand its risks and what they need to do to address those risks. The THIRA is a part of the Township's EOP.				
Post-Disaster Recovery Plan	Yes	Township of Edgewater Park EOP 2022	Local	OEM
<i>How does this reduce risk?</i> The Post-Disaster Recovery Plan, covered by the long-term recovery ESF in the Emergency Operations Plan, aims to assess the Township's ability to respond to emergency and identifies recommendations to improve its capacity to prepare and respond to future events. The plan address both short- and long-term recovery.				
Public Health Plan	No	-	-	-
<i>How does this reduce risk?</i>				
Other	No	-	-	-
<i>How does this reduce risk?</i>				

Development and Permitting Capability

The table below summarizes the capabilities of the Township of Edgewater Park to oversee and track development.

Table 9.13-3. Development and Permitting Capability

Indicate if your jurisdiction implements the following	Yes/No	Comment:
Do you issue development permits?	Yes	Construction



Indicate if your jurisdiction implements the following	Yes/No	Comment:
<ul style="list-style-type: none"> If yes, what department is responsible? 		
If you do not issue development permits, what is your process for tracking new development?	N/A	-
Are permits tracked by hazard area? (For example, floodplain development permits.)	No	-
Do you have a buildable land inventory? <ul style="list-style-type: none"> If yes, please describe 	No	-
Describe the level of build-out in your jurisdiction.	N/A	Edgewater Park is almost built out as the Township contains few vacant properties. Vacant properties, less than an acre in size, are found primarily in the residential areas in the western section and north of the railroad. Many of these vacant properties have limited development potential.

Administrative and Technical Capability

The table below summarizes potential staff and personnel resources available to the Township of Edgewater Park and their current responsibilities that contribute to hazard mitigation.

Table 9.13-4. Administrative and Technical Capabilities

Resources	Available? (Yes/No)	Comments (available staff, responsibilities, support of hazard mitigation)
Administrative Capability		
Planning Board	Yes	The Planning Board serves as a Planning Board and a Zoning Board of Adjustment. The nine-member board exercises all the powers of the Zoning Board of Adjustment.
Zoning Board of Adjustment	No	See above
Planning Department	No	-
Mitigation Planning Committee	No	-
Environmental Board/Commission		The Environmental/Shade Tree Advisory Committee consists of five members and two alternate members selected by the Mayor. The Environmental/Shade Tree Advisory Committee is created for the protection, development and use of the natural land, air and water resources located within the Township.
Open Space Board/Committee	No	-
Economic Development Commission/Committee	Yes	The Redevelopment Committee was created to analyze the economic development of the region and to promote the sound development of the Township. Furthermore, the Redevelopment Committee is charged with mobilizing the potential resources of the Township for efficient, commercial, office and economic development uses. They are to conduct a thorough study of the basic economic advantages of



Resources	Available? (Yes/No)	Comments (available staff, responsibilities, support of hazard mitigation)
		the Township and promote the same so that a program for managed and selected growth of clean and environmentally desirable ratables may be realized.
Public Works/Highway Department	Yes	The Public Works Department responds to the residential complaints and is also responsible for the operation and maintenance of roads, parks, recycling, trash pick-up. It oversees the administration buildings & grounds, water distribution system, the sanitary sewer collection system, and storm water systems.
Construction/Building/Code Enforcement Department	Yes	Construction/Zoning and Code Enforcement are in the Inspections Department. Permits are issued by Construction. Zoning addresses the review of application related to the alteration of properties. Code Enforcement enforces the UCC.
Emergency Management/Public Safety Department	Yes	The Emergency Management Office is staffed by an emergency management coordinator who will ensure the complete and efficient utilization of all the Township's facilities to combat disaster resulting from major emergencies. The Edgewater Park Office of Emergency Management will be the coordinating agency for all activity in connection with emergency management.
Warning Systems / Services (mass notification system, outdoor warning signals, etc.)	Yes	CivicReady
Maintenance programs to reduce risk (stormwater maintenance, tree trimming, etc.)	Yes	The Public Works Department responds to the residential complaints and is also responsible for the operation and maintenance of roads, parks, recycling, trash pick-up. It oversees the administration buildings & grounds, water distribution system, the sanitary sewer collection system, and storm water systems.
Mutual aid agreements	Yes	Endeavor EMS
Human Resources Manual <i>e.g., Do any job descriptions specifically include identifying or implementing mitigation projects or other efforts to reduce natural hazard risk?</i>	No	-
Other	No	-
Technical/Staffing Capability		
Planners or engineers with knowledge of land development and land management practices	Yes	The Township employs Environmental Resolutions, Inc. (ERI) in Mt. Laurel, NJ as municipal and board engineers and planners for this concern.
Engineers or professionals trained in building or infrastructure construction practices	Yes	The Township employs Environmental Resolutions, Inc. (ERI) in Mt. Laurel, NJ as municipal and board engineers and planners for this concern.



Resources	Available? (Yes/No)	Comments (available staff, responsibilities, support of hazard mitigation)
Planners or engineers with an understanding of natural hazards	Yes	The Township employs Environmental Resolutions, Inc. (ERI) in Mt. Laurel, NJ as municipal and board engineers and planners for this concern.
Staff with expertise or training in benefit/cost analysis	Yes	The Township employs Environmental Resolutions, Inc. (ERI) in Mt. Laurel, NJ as municipal and board engineers and planners for this concern.
Professionals trained in conducting damage assessments	Yes	The Township employs Environmental Resolutions, Inc. (ERI) in Mt. Laurel, NJ as municipal and board engineers and planners for this concern. Public Works, Fire Officials, and OEM Coordinator the also trained in conducting damage assessments.
Personnel skilled or trained in GIS and/or Hazards United States (HAZUS) – Multi-Hazards (MH) applications	Yes	The Township employs Environmental Resolutions, Inc. (ERI) in Mt. Laurel, NJ as municipal and board engineers and planners for this concern.
Environmental scientist familiar with natural hazards	Yes	The Township employs Environmental Resolutions, Inc. (ERI) in Mt. Laurel, NJ as municipal and board engineers and planners for this concern.
Surveyor(s)	Yes	The Township employs Environmental Resolutions, Inc. (ERI) in Mt. Laurel, NJ as municipal and board engineers and planners for this concern.
Emergency Manager	Yes	The Emergency Management Office is staffed by an emergency management coordinator who will ensure the complete and efficient utilization of all the Township's facilities to combat disaster resulting from major emergencies. The Edgewater Park Office of Emergency Management will be the coordinating agency for all activity in connection with emergency management.
Grant writer(s) <i>Consider the following - Are data and maps from the HMP used to support documentation in grant applications?</i>	No	-
Resilience Officer	No	-
Other (this could include stormwater engineer, environmental specialist, etc.)	No	-

Fiscal Capability

The table below summarizes financial resources available to the Township of Edgewater Park.

Table 9.13-5. Fiscal Capabilities

Financial Resources	Accessible or Eligible to Use? (Yes/No)
Community development Block Grants (CDBG, CDBG-DR)	Yes
Capital improvements project funding	Yes
Authority to levy taxes for specific purposes	Yes
User fees for water, sewer, gas, or electric service	No
Impact fees for homebuyers or developers of new development/homes	No



Financial Resources	Accessible or Eligible to Use? (Yes/No)
Stormwater utility fee	No
Incur debt through general obligation bonds	Yes
Incur debt through special tax bonds	Yes
Incur debt through private activity bonds	No
Withhold public expenditures in hazard-prone areas	No
Other federal or state Funding Programs	No
Open Space Acquisition funding programs	No
Other (for example, Clean Water Act 319 Grants [Nonpoint Source Pollution])	No

Education and Outreach Capability

The table below summarizes the education and outreach resources available to the Township of Edgewater Park.

Table 9.13-6. Education and Outreach Capabilities

Outreach Resources	Available? (Yes/No)	Comment:
Public information officer or communications office	Yes	Township Committee Public Affairs & Public Safety Committee-person
Personnel skilled or trained in website development	Yes	Contracted
Hazard mitigation information available on your website	No	-
Social media for hazard mitigation education and outreach	No	-
Citizen boards or commissions that address issues related to hazard mitigation	Yes	The Redevelopment Committee was created to analyze the economic development of the region and to promote the sound development of the Township.
Warning systems for hazard events	Yes	CivicReady
Natural disaster/safety programs in place for schools	No	-
Does the jurisdiction have any public outreach mechanisms / programs in place to inform citizens on natural hazards, risk, and ways to protect themselves during such events? • If yes, please describe.	Yes	Social Media and local township meetings can educate citizens of Edgewater Park about natural hazards/risks and how to protect themselves.

Community Classifications

The table below summarizes classifications for community programs available to the Township of Edgewater Park.

Table 9.13-7. Community Classifications

Program	Participating? (Yes/No)	Classification (if applicable)	Date Classified (if applicable)
Community Rating System (CRS)	No	-	-



Program	Participating? (Yes/No)	Classification (if applicable)	Date Classified (if applicable)
Building Code Effectiveness Grading Schedule (BCEGS)	No	-	-
Public Protection (ISO Fire Protection Classes 1 to 10)	No	-	-
Storm Ready Certification	No	-	-
Firewise Communities classification	No	-	-
New Jersey Sustainable Jersey Community	Yes	None	March 3, 2009
Other	No	-	-

Note:

- N/A Not applicable
- NP Not participating
- Unavailable

Adaptive Capacity

Adaptive capacity is defined as “the ability of systems, institutions, humans and other organisms to adjust to potential damage, to take advantage of opportunities, or respond to consequences” (IPCC 2014). Each jurisdiction has a unique combination of capabilities to adjust to, protect from, and withstand a future hazard event, future conditions, and changing risk. The table below summarizes the adaptive capacity for each identified hazard of concern and the jurisdiction’s capability to address related actions using the following classifications:

- Strong: Capacity exists and is in use.
- Moderate: Capacity might exist; but is not used or could use some improvement.
- Weak: Capacity does not exist or could use substantial improvement.

Table 9.13-8. Adaptive Capacity

Hazard	Adaptive Capacity – Strong/Moderate/Weak
Dam Failure	Moderate
Disease Outbreak	Strong
Drought	Moderate
Earthquake	Moderate
Extreme Temperatures	Strong
Flood	Moderate
Severe Weather	Moderate
Severe Winter Weather	Strong
Wildfire	Strong

The Township of Edgewater Park indicated the following:

- The adaptive capacity for the Wildfire hazard should be increased from ‘moderate’ to ‘strong’.

9.13.4 National Flood Insurance Program (NFIP) Compliance

This section provides specific information on the management and regulation of the regulatory floodplain, including current and future compliance with the NFIP.



NFIP Floodplain Administrator (FPA)

Rakesh Darji, Township Engineer

National Flood Insurance Program (NFIP) Summary

The following table summarizes the NFIP statistics for the Township of Edgewater Park.

Table 9.13-9. NFIP Summary

Active Policies	Total Premium + Policy Fee	Number of Losses	Total Net Payment	Repetitive Loss Properties
6	\$3,929	5	\$16,200.85	None

Source: NFIP 2023

Notes: Data current as of October 2023

RL Repetitive Loss

SRL Severe Repetitive Loss

RL FMA Definition Any insurable building that has incurred flood-related damage on two occasions, in which the cost of the repair, on the average, equaled or exceeded 25 percent of the market value of the structure at the time of each such flood event.

RL NFIP Definition Any insurable building for which two or more claims of more than \$1,000 were paid by the National Flood Insurance Program (NFIP) within any rolling ten-year period, since 1978.

Flood Vulnerability Summary

The following table provides a summary of the NFIP program in the Township of Edgewater Park.

Table 9.13-10. NFIP Summary

NFIP Topic	Comments
Flood Vulnerability Summary	
Describe areas prone to flooding in your jurisdiction. <ul style="list-style-type: none"> Do you maintain a list of properties that have been damaged by flooding? 	
Do you maintain a list of property owners interested in flood mitigation? <ul style="list-style-type: none"> How many homeowners and/or business owners are interested in mitigation (elevation or acquisition)? 	
Are any RiskMAP projects currently underway in your jurisdiction? <ul style="list-style-type: none"> If so, state what projects are underway. 	
How do you make Substantial Damage determinations? <ul style="list-style-type: none"> How many were declared for recent flood events in your jurisdiction? 	
How many properties have been mitigated (elevation or acquisition) in your jurisdiction? <ul style="list-style-type: none"> If there are mitigated properties, how were the projects funded? 	
Do your flood hazard maps adequately address the flood risk within your jurisdiction? <ul style="list-style-type: none"> If not, state why. 	
NFIP Compliance	
What local department is responsible for floodplain management?	Township Engineer



NFIP Topic	Comments
Are any certified floodplain managers on staff in your jurisdiction?	
Do you have access to resources to determine possible future flooding conditions from climate change?	
Does your floodplain management staff need any assistance or training to support its floodplain management program? • If so, what type of assistance/training is needed?	
Provide an explanation of NFIP administration services you provide (e.g., permit review, GIS, education/outreach, inspections, engineering capability)	
How do you determine if proposed development on an existing structure would qualify as a substantial improvement?	
What are the barriers to running an effective NFIP program in the community, if any?	
Does your jurisdiction have any outstanding NFIP compliance violations that need to be addressed? • If so, state the violations.	
When was the most recent Community Assistance Visit (CAV) or Community Assistance Contact (CAC)?	N/A
What is the local law number or municipal code of your flood damage prevention ordinance? • Have you adopted NJDEP's Model Code Coordinated Ordinance? • What is the date that your flood damage prevention ordinance was last amended?	Chapter 310, Article 32 December 5, 2017
Does your floodplain management program meet or exceed minimum requirements? • If exceeds, in what ways?	
Are there other local ordinances, plans or programs (e.g., site plan review) that support floodplain management and meeting the NFIP requirements? For instance, does the planning board or zoning board consider efforts to reduce flood risk when reviewing variances such as height restrictions?	
Does your community plan to join the CRS program or is your community interested in improving your CRS classification?	

9.13.5 Growth/Development Trends

Understanding how past, current, and projected development patterns have or are likely to increase or decrease risk in hazard areas is a key component to appreciating a jurisdiction’s overall risk to its hazards of concern. The table below summarizes recent and expected future development trends, including major residential/commercial development and major infrastructure development.

Table 9.13-11. Number of Building Permits for New Construction

Type of Development	2018	2019	2020	2021	2022
Number of Building Permits for New Construction Issued Since the previous HMP* (total/within regulatory floodplain)					



Type of Development	2018		2019		2020		2021		2022	
	Total	Within SFHA	Total	Within SFHA	Total	Within SFHA	Total	Within SFHA	Total	Within SFHA
Single Family	10	0	0	0	1	0	9	0	89	0
Multi-Family	8	0	2	0	0	0	6	0	36	0
Other (commercial, mixed-use, etc.)	2	0	1	0	0	0	5	0	6	0
Total Permits Issued	20	0	3	0	1	0	22	0	131	0

SFHA Special Flood Hazard Area (1% annual chance flood event)

* Only location-specific hazard zones or vulnerabilities identified.

Table 9.13-12. Recent and Expected Future Development

Property or Development Name	Type (e.g., Res., Comm.)	# of Units / Structures	Address and Parcel ID	Known Hazard Zone(s)	Description/Status of Development
Recent Major Development from 2019 to Present					
Municipal Complex	Municipal	2	Mount Holly Road	None	Plans ready to be sent out to bid.
Ariel Realty, LLC	Res. and Comm.	136 THs, 69 MFs, 9000 SF Comm.	4329 US Route 1320	None	Partially completed and occupied.
Exeter Warehouse	Ind.	704,700 SF Ind.	4259 Route 130 South - Block 501, Lots 1 & 6	None	Completed and occupied.
Ryan Homes at Eagle Chase	Mutli-Family Residential	70	Parsons Blvd	None	Under Construction- Multi-family townhomes
Known or Anticipated Major Development in the Next Five (5) Years					
There is no known or anticipated major development in the next five (5) years.					

9.13.6 Jurisdictional Risk Assessment

The hazard profiles in Volume 1, Section 4 (Risk Assessment) provide detailed information regarding each plan participant’s vulnerability to the identified hazards. Section 4.2 (Methodology) and Section 4.4 (Hazard Ranking) provide detailed summaries for the Township of Edgewater Park’s risk assessment results and data used to determine the hazard ranking discussed later in this section.

Hazard area extent and location maps provided below illustrate the probable areas impacted within the jurisdiction based on the best available data at the time of the preparation of this plan and are adequate for planning purposes. Maps were generated only for those hazards that can be identified clearly using mapping techniques and technologies and for which the Township of Edgewater Park has significant exposure. The maps also show the location of potential new development, where available.



Figure 9.13-1. Township of Edgewater Park Flood and Sea Level Rise Hazard Area Extent and Location Map

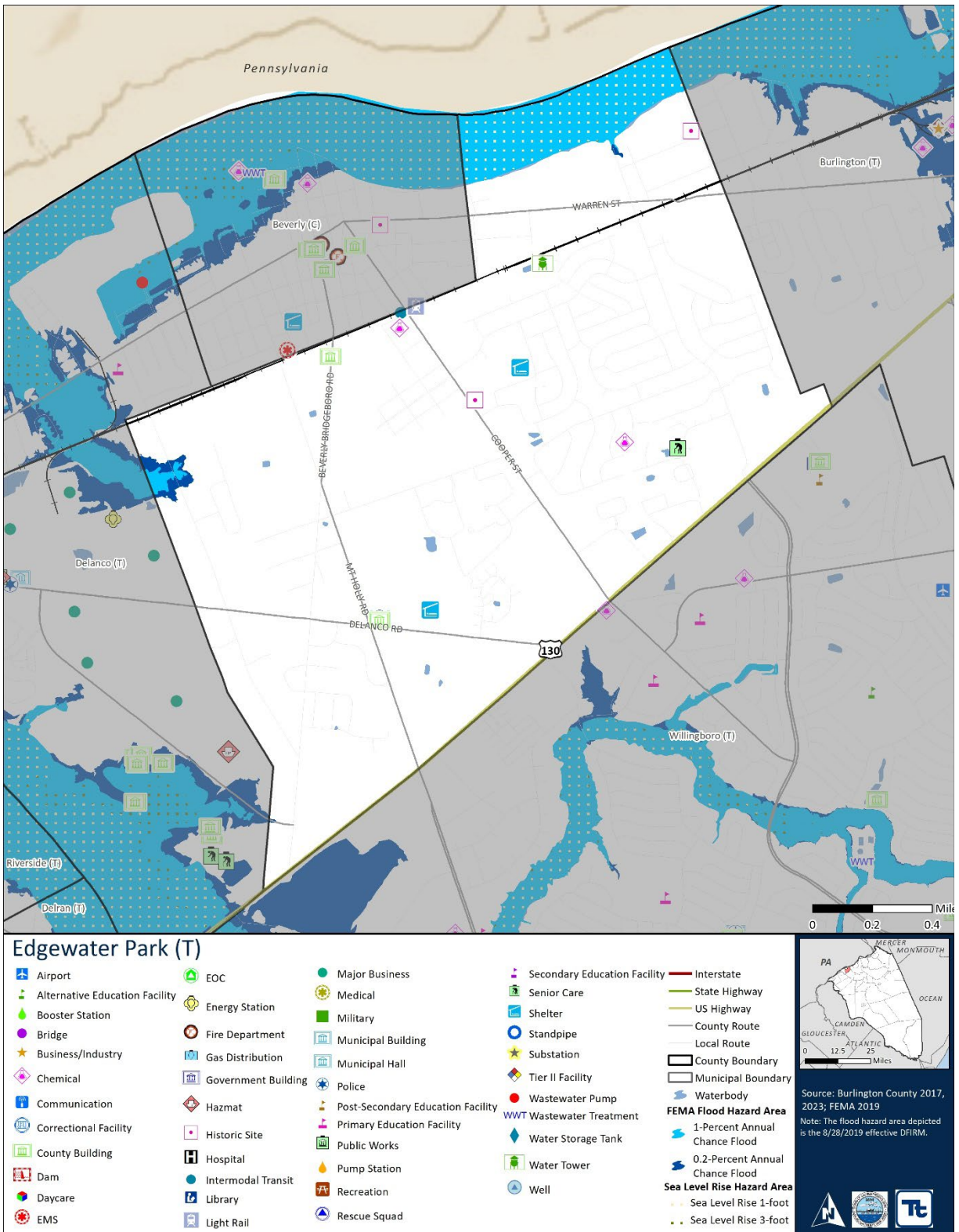
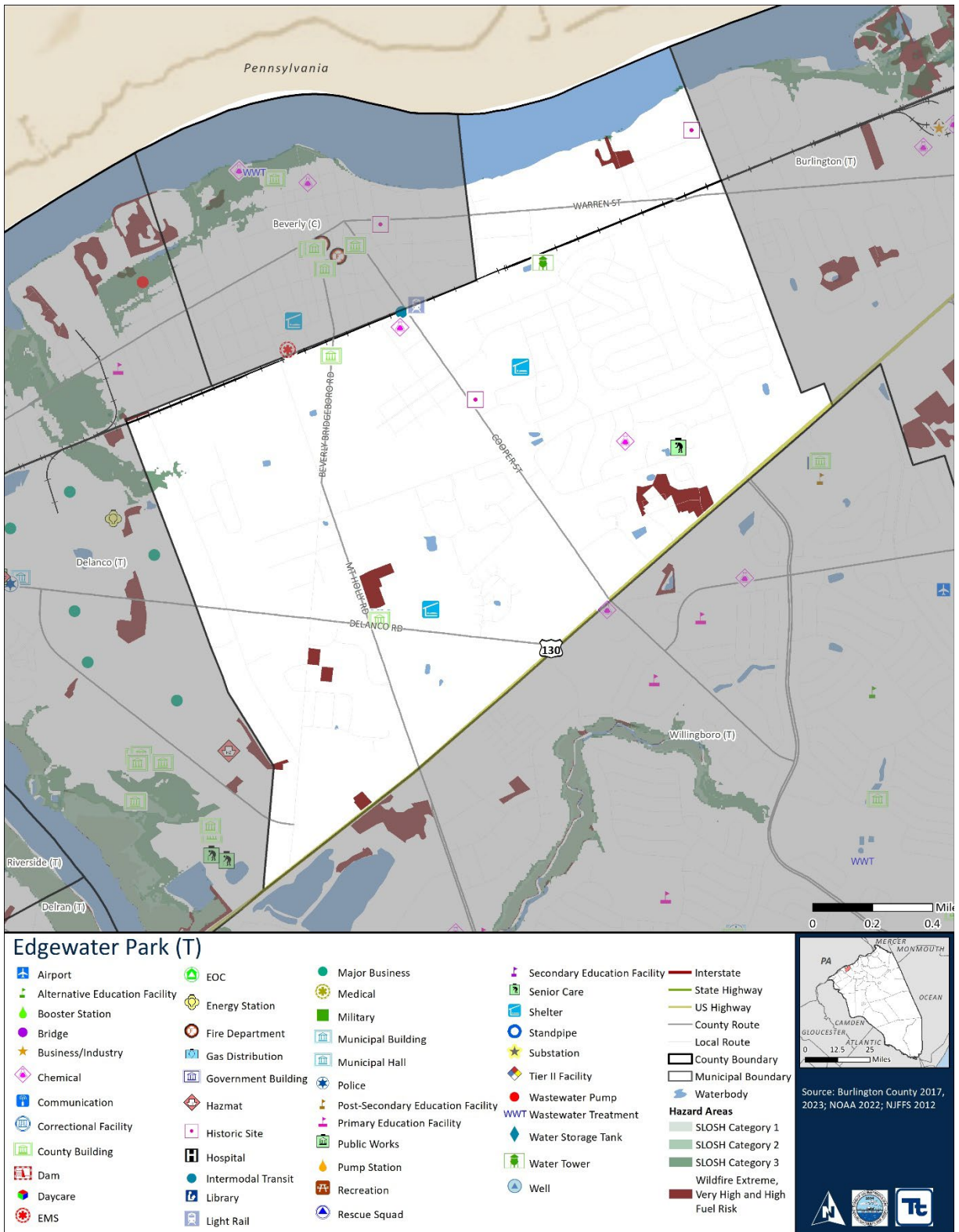


Figure 9.13-2. Township of Edgewater Park SLOSH and Wildfire Hazard Area Extent and Location Map





Hazard Event History

Burlington County has a history of natural and non-natural hazard events, as detailed in Volume I, Section 4 (Risk Assessment). A summary of historical events is provided in each of the hazard profiles and includes a chronology of events that have affected the County and its municipalities.

The Township of Edgewater Park’s history of federally declared (as presented by FEMA) and significant hazard events [as presented in NOAA-National Centers for Environmental Information (NCEI)] is consistent with that of the County. The table below provides details regarding municipal-specific loss and damages the Township of Edgewater Park experienced during hazard events since the last hazard mitigation plan update. Information provided in the table below is based on reference material or local sources.

Table 9.13-13. Hazard Event History Since 2019

Dates of Event	Event Type (Disaster Declaration if applicable)	County Designated?	Summary of Event	Municipal Summary of Damages and Losses
March 6-7, 2018	Severe Winter Storm (DR-4368)	Yes	Banding and thundersnow produced pockets of heavier snow in the western sections of the area, closer to the Delaware River. The snow contained large amounts of liquid, making it heavy and wet. This resulted in downed trees, limbs, and wires, leading to numerous power outages across portions of New Jersey.	
January 20, 2020 – May 11, 2023	Covid-19 Pandemic (EM-3451-NJ, DR-4488-NJ)	Yes	Burlington County accounted for 115,985 positive cases of COVID-19 in the State of New Jersey, and 1,265 of the reported deaths. A total of 991,269 vaccinations were delivered in the County to both residents and non-residents.	
August 4, 2020	Tropical Storm Isaias (DR-4574-NJ)	Yes	Tropical Storm Isaias brought high winds and heavy rain to Burlington County; some areas of the County reported more than 6 inches over several hours. Burlington County Central Communications fielded over 400 emergency calls and 1,400 non-emergency calls, many for flooded basements and residences.	



Dates of Event	Event Type (Disaster Declaration if applicable)	County Designated?	Summary of Event	Municipal Summary of Damages and Losses
June 9, 2021	Lightning, Thunderstorm Wind		Severe thunderstorms developed bringing a threat for damaging winds, hail, and torrential rain. Locally heavy rains of 2 to 3 inches occurred in the far northwestern part of Burlington County. Widespread roadway flooding occurred in Edgewater Park. A couple of downed trees and limbs were reported in the Edgewater Park.	
July 12, 2021	Flash Flood		Thunderstorms brought locally heavy rain; rainfall totals up to 5 to 8 inches prompting the issuance of a Flash Flood Emergency. Widespread roadway flooding occurred in Florence Township, Burlington City, Burlington Township, Edgewater Park, Beverly, Palmyra, Delanco, and Riverside causing numerous road closures. There were several water rescues.	
September 1-3, 2021	Remnants of Hurricane Ida (EM-3573-NJ, DR-4614-NJ)	Yes	The remnants of Hurricane Ida produced heavy rainfall, flash floods, and a tornado (EF-1) that moved through Edgewater Park, Beverly, Burlington Township and Burlington City. Rainfall totals exceed 3 inches in parts of County; 4 water rescues occurred due to flash flooding.	
June 2, 2022	Thunderstorm Wind		Widespread thunderstorms developed; some of the storms became severe as they moved through the region, producing damaging winds and small hail. Trees were downed and uprooted, powerlines were downed, and tree limbs fell in Beverly, Delanco, Edgewater Park, Mount Laurel, Pemberton, Medford, and Woodland. There were no property or crop damages reported from this event in Burlington County.	

Source: FEMA 2023, NOAA NCEI 2023



Notes:

- DR Major Disaster Declaration (FEMA)
- EM Emergency Declaration (FEMA)
- FEMA Federal Emergency Management Agency
- N/A Not applicable

Hazard Ranking and Vulnerabilities

The hazard profiles in Volume 1, Section 4 (Risk Assessment) have detailed information regarding each plan participant’s vulnerability to the identified hazards. The following summarizes the Township of Edgewater Park’s risk assessment results and data used to determine the hazard ranking.

Hazard Ranking

This section provides the community specific identification of the primary hazard concerns based on identified problems, impacts and the results of the risk assessment as presented in Volume 1, Section 4 (Risk Assessment). The ranking process involves an assessment of the likelihood of occurrence for each hazard; the potential impacts of the hazard on people, property, and the economy; and community capabilities to address the hazard and changing future climate conditions. Mitigation action development uses the inputs from the evaluation to target those hazards with highest level of concern.

As discussed in Volume 1, Section 4.4 (Hazard Ranking), each participating jurisdiction has differing degrees of risk exposure and vulnerability compared with the County as a whole. Therefore, each municipality ranked the degree of risk to each hazard as it pertains to their community. The table below summarizes the hazard risk/vulnerability rankings of potential natural hazards for the Township of Edgewater Park. The Township of Edgewater Park reviewed the County hazard risk/vulnerability risk ranking table and individual results to reflect the relative risk of the hazards of concern to the community.

During the review of the hazard/vulnerability risk ranking, the Township of Edgewater Park indicated all the rankings were appropriate.

Table 9.13-14. Hazard Ranking Input

Hazard	Hazard Ranking – High/Medium/Low
Dam Failure	Low
Disease Outbreak	Medium
Drought	Medium
Earthquake	Low
Extreme Temperatures	Medium
Flood	Low
Severe Weather	High
Severe Winter Weather	Medium
Wildfire	Low

Critical Facilities

The Township does not have any critical facilities or lifelines in the community located in the 1-percent or 0.2-percent floodplain.



Identified Issues

After review of the Township of Edgewater Park's hazard event history, hazard rankings, jurisdiction specific vulnerabilities, hazard area extent and location, and current capabilities, the Township of Edgewater Park identified the following vulnerabilities within their community:

- Edgewater Park Sewerage noted prior impacts from Superstorm Sandy and concerns with lightning from severe weather events impacting services.
- When the Delaware River floods, it is mostly residential roads impacted, including a low-lying bridge which spans from Warren Street to Beverly Road. On occasion, the Canoe Club, a historic site, will flood.
- The Township has performed limited outreach to residents informing them of events/hazards forecasted to occur.
- The Township has limited training and guidance relating to how to handle and prepare for disease outbreaks.
- The Township does not currently have a building that can be used as an EOC and as a heating and cooling shelter as needed.

**This issue was identified as a specific area of concern based on resident response to the Burlington County Hazard Mitigation public survey.*

9.13.7 Mitigation Strategy and Prioritization

This section discusses past mitigations actions and status, describes proposed hazard mitigation initiatives, and prioritizes actions to address over the next five years.

Past Mitigation Initiative Status

The following table indicates progress on the community's mitigation strategy identified in the 2019 HMP. Actions that are in progress are carried forward and combined with new actions as part of this plan update and are included in the tables with prioritization. Previous actions that are now on-going programs and capabilities are indicated as such and previously presented in the 'Capability Assessment' earlier in this annex.



Table 9.13-15. Status of Previous Mitigation Actions

Project #	Project	Responsible Party	What is the status? (e.g., In Progress, No Progress, Ongoing Capability, or Completed) If in progress or completed, please describe the funding source, cost and who is implementing.	If you did not complete the action, should the action be included in the 2024 HMP (i.e., there is still a need, this is still a priority)?		
				Yes/No	If Yes, please describe the original problem (i.e., hazard, location, historic losses)	If Yes, identify the responsible department/person to implement the project.
Twp. Edgewater Park-1 (former EP-1)	Bogg's Run - implement improvements to increase the capacity of culverts at the Light Rail Line and Burlington Avenue	Lead: Delanco OEM, Edgewater OEM Support: County OEM, NJ Transit				
Twp. Edgewater Park-2 (former EP-2)	Adams Avenue Basins – remove separating embankment between the two basins	Lead: Edgewater OEM Support: Edgewater DPW, County OEM,				
Twp. Edgewater Park-3 (former EP-3)	Adams Avenue Basins – construct new automated pump station with backup generator	Lead: Edgewater OEM Support: County OEM,				
Twp. Edgewater Park-4 (former EP-4)	Construct separate 8" discharge line for Roosevelt Pump Station so Adams Avenue Pump Station and Roosevelt Pump Station no longer need to share the line to the gravity drain	Lead: Edgewater OEM Support: County OEM,				
Twp. Edgewater Park-5 (former EP-5)	Expand stormwater infrastructure and construct discharge line and construct automated pump station with backup generator: Silver Park West age restricted development	Lead: Edgewater OEM Support: County OEM,				
Twp. Edgewater Park-6	Evaluate benefits of participating in CRS program	Twp. Committee; Planning				



Project #	Project	Responsible Party	What is the status? (e.g., In Progress, No Progress, Ongoing Capability, or Completed) If in progress or completed, please describe the funding source, cost and who is implementing.	If you did not complete the action, should the action be included in the 2024 HMP (i.e., there is still a need, this is still a priority)?		
				Yes/No	If Yes, please describe the original problem (i.e., hazard, location, historic losses)	If Yes, identify the responsible department/person to implement the project.
(former EP-6)						
Twp. Edgewater Park-7 (former EP-7)	Conduct and facilitate community and public education and outreach for residents and businesses to promote natural hazard risk reduction to include: <ul style="list-style-type: none"> Disaster preparedness Hazard mitigation 	Municipality with support from Planning Partners, County Planning, NJOEM, FEMA				
Twp. Edgewater Park-8 (former EP-9)	Obtain and install backup power sources at critical facilities.	Municipality with support from County, NJOEM and FEMA				
Twp. Edgewater Park-9 (former EP-13)	Enhance resilience to severe storms by joining the NOAA "Storm Ready" program.	Municipality with support from County, NJOEM and FEMA				
Twp. Edgewater Park- 10 (former EP-14)	Provide public education and outreach on proper installation and/or use of backup power	Municipal Clerk				
Twp. Edgewater Park-11	Continue multi-jurisdictional planning discussions between Beverly, Delanco, and Edgewater Park to develop projects to address shared flooding concerns.	Municipality with support from Beverly, Delanco				



Additional Mitigation Efforts

In addition to the mitigation initiatives completed in the table above, the Township of Edgewater Park identified the following mitigation efforts completed since the last HMP:

- The Township has utilized training opportunities from the County, surrounding municipalities, and the State for its first responders.

Since the adoption of the County's first HMP, the Township of Edgewater Park has made significant mitigation progress in the following areas:

- Staff training

Proposed Hazard Mitigation Initiatives for the HMP Update

The Township of Edgewater Park participated in a mitigation action workshop in October 2023 and was provided the following FEMA publications to use as a resource as part of their comprehensive review of all possible activities and mitigation measures to address their hazards: FEMA 551 'Selecting Appropriate Mitigation Measures for Flood prone Structures' (March 2007) and FEMA 'Mitigation Ideas – A Resource for Reducing Risk to Natural Hazards' (January 2013).

The table below indicates the range of proposed mitigation action categories. Both the four FEMA mitigation action categories and the six CRS mitigation action categories are listed in the table to further demonstrate the wide range of activities and mitigation measures selected.

Table 9.13-16. Analysis of Mitigation Actions by Hazard and Category

Hazard	FEMA						CRS			
	LPR	SIP	NSP	EAP	PR	PP	PI	NR	SP	ES
Dam Failure	X	X		X	X		X			X
Disease Outbreak	X	X		X			X			X
Drought	X	X		X	X		X			X
Earthquake	X	X		X	X		X			X
Extreme Temperatures	X	X		X	X		X			X
Flood	X	X		X	X		X		X	X
Severe Weather	X	X		X	X	X	X			X
Severe Winter Weather	X	X		X	X		X			X
Wildfire	X	X		X	X		X			X

Note: Mitigation categories are described below the Mitigation Initiatives.



The following pages list the specific mitigation initiatives Township of Edgewater Park would like to pursue in the future to reduce the effects of hazards. The initiatives are dependent upon available funding (grants and local match availability) and may be modified or omitted at any time based on the occurrence of new hazard events and changes in Township priorities.

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Action 2024-EdgewaterPark-01. Code Coordinated Ordinance

Lead Agency:	Floodplain Administrator
Supporting Agencies:	Construction Official, Administration, NFIP State Coordinator, FEMA Regional Office
Hazard(s) of Concern:	Flood
Description of the Problem:	A recent audit of New Jersey’s model ordinances by FEMA for conformance with NFIP, resulted in a review of existing local flood damage prevention ordinances. Based upon FEMA’s review, specific language related to NFIP regulations was not consistent. Additionally, it was determined that better coordination was needed between the three sets of regulations that regulate development and construction in the floodplain. These regulations are: the NFIP implemented by local floodplain administrators, the New Jersey Flood Hazard Area Control Act (FHACA) implemented at the State level by the NJDEP, and the Uniform Construction Code (UCC) implemented by the local Construction Official. NJDEP used this feedback to develop a model Code Coordinated Ordinance and continues to work with municipalities to update flood damage prevention ordinances to the Code Coordinated Ordinance.
Description of the Solution:	After obtaining the appropriate review and concurrence by the NFIP State Coordinator and the FEMA Regional Office, the municipality will update and adopt the Code Coordinated Ordinance.
Estimated Cost:	Staff time
Potential Funding Sources:	Municipal budget
Implementation Timeline:	Within 5 years
Goals Met:	1, 2, 5,7
Benefits:	The updated ordinance will improve floodplain management, meet NFIP requirements, and increase resilience of new and substantially improved structures in the floodplain.
Impact on Socially Vulnerable Populations:	The action will result in better regulation of construction standards within the Special Flood Hazard Area where significant risk to socially vulnerable populations exists.
Impact on Future Development:	The action will result in stronger regulation of construction standards for future development in the Special Flood Hazard Area.
Impact on Critical Facilities/Lifelines:	Critical facilities and lifelines located in the Special Flood Hazard Area will be required to meet the same requirements as general building construction that are set forth in the ordinance.
Impact on Capabilities:	This action will improve floodplain management capabilities through better outlining of responsibilities and administrative procedures.
Climate Change Considerations:	The updated ordinance includes the State’s higher standards that are in place to address heightened flood risk due to climate change such as



	those for floodway rise and mandatory freeboard have been incorporated in these new model ordinances.	
Mitigation Category:	Local Plans and Regulations	
CRS Category:	Preventative	
Priority:	High	
Alternatives:	Action	Evaluation
	No Action	Current problem exists
	Modify existing flood damage prevention ordinance	Time intensive
	Leave NFIP	Residents lose flood insurance coverage

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Action 2024-EdgewaterPark-02. Disaster Debris Management Plan

Lead Agency:	Public Works	
Supporting Agencies:	OEM	
Hazard(s) of Concern:	Dam Failure, Drought, Earthquake, Extreme Temperature, Flood, Severe Weather, Severe Winter Weather, Wildfire	
Description of the Problem:	Major disaster events can result in large amounts of debris that overwhelm normal trash collection operations. Depending on the amount generated, temporary staging areas for debris collection may be needed. The municipality does not have a disaster debris management plan in place. During a disaster that results in debris, the municipality A plan with outlined responsibilities is needed to adequately address post-disaster cleanup operations.	
Description of the Solution:	The municipality will develop a disaster debris management plan. This plan will establish procedures and guidelines for managing disaster debris in a coordinated, environmentally responsible, and cost-effective manner. The plan will identify responsibilities for execution of the plan. The plan will align with permitted temporary collection areas.	
Estimated Cost:	Staff time	
Potential Funding Sources:	Municipal budget	
Implementation Timeline:	Within 5 years	
Goals:	5, 6	
Benefits:	The action will result in increased quicker and more efficient cleanup after disaster events.	
Impact on Socially Vulnerable Populations:	N/A	
Impact on Future Development:	N/A	
Impact on Critical Facilities/Lifelines:	N/A	
Impact on Capabilities:	The action will result in increased post disaster capabilities.	
Climate Change Considerations:	Climate change may result in an increase in the frequency and severity of weather-related disaster events. This action will increase the capabilities to respond to these events.	
Mitigation Category:	Local Plans and Regulations	
CRS Category:	Emergency Services	
Priority:	Medium	
Alternatives:	Action	Evaluation
	No Action	-



	Rely on federal cleanup	These services may or may not be available
	Rely on state cleanup	These services may or may not be available

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Action 2024-EdgewaterPark-03. Substantial Damage Management Plan

Lead Agency:	Floodplain Administrator
Supporting Agencies:	Public Works, OEM, Construction Department
Hazard(s) of Concern:	Dam Failure, Drought, Earthquake, Extreme Temperature, Flood, Severe Weather, Severe Winter Weather, Wildfire
Description of the Problem:	<p>Officials in NFIP-participating communities are responsible for regulating all development in SFHAs by issuing permits and enforcing local floodplain requirements, including Substantial Damage, for the repairs of damaged buildings. After any disaster event, they must:</p> <ul style="list-style-type: none"> • Determine where the damage occurred within the community and if the damaged structures are in an SFHA. • Determine what to use for “market value” and cost to repair; uniformly applying regulations will protect against liability and promote equitable administration. • Determine if repairing plus improving the damaged structure equals or exceeds 50% of the structure’s pre-damage value. • Require permits for floodplain development. <p>The municipality does not have a Substantial Damage Management Plan in place, nor do they have a formal process in place when conducting substantial damage determinations. The municipality is in need of a formal process and plan to provide a framework for conducting such inspections and determinations.</p>
Description of the Solution:	<p>The municipality will develop a Substantial Damage Management Plan, following the six step planning process in 2021 <i>Developing a Substantial Damage Management Plan</i> (https://crsresources.org/files/500/developing_subst_damage_mgmt_plan.pdf). This plan will outline responsibilities for Substantial Damage determinations, determining market value, and permit approval processes following a disaster event.</p>
Estimated Cost:	Low
Potential Funding Sources:	Municipal budget
Implementation Timeline:	Within 5 years to develop the plan; ongoing to maintain and update the plan
Goals Met:	1, 2, 5, 7
Benefits:	This plan will provide a process in making Substantial Damage Determinations and allow the municipality to make these determinations and meet NFIP requirements more quickly.
Impact on Socially Vulnerable Populations:	Substantially damaged structures are required to be rebuilt to be compliance with current codes. Socially vulnerable populations may not have the financial means to make these improvements. This action may allow for the identification of potential resources to address substantial damages to structures owned by socially vulnerable populations.



Impact on Future Development:	A Substantial Damage Management Plan would include all existing, current, and future development in the municipality.	
Impact on Critical Facilities/Lifelines:	A Substantial Damage Management Plan would include all critical facilities and lifelines in the municipality.	
Impact on Capabilities:	This action improves disaster recovery capabilities.	
Climate Change Considerations:	Climate change is likely to increase the intensity and frequency of many climate related disaster events. This action provides additional planning for disaster recovery.	
Mitigation Category:	Local Plans and Regulations	
CRS Category:	Emergency Services, Preventative	
Priority:	High	
Alternatives:	Action	Evaluation
	No Action	-
	Rely on state or federal resources following disaster events	Resources may not be available during major widespread events
	Establish MOUs with outside agencies to conduct Substantial Damage Determinations	A plan outlining responsibilities is still necessary to prevent missing important requirements

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Action 2024-EdgewaterPark-04. Disease Outbreak Preparedness

Lead Agency:	Township Public Safety	
Supporting Agencies:	Township Administration	
Hazard(s) of Concern:	Disease Outbreak	
Description of the Problem:	The Township has limited training and guidance relating to how to handle and prepare for disease outbreaks, including PPE exhaustion, increased hospitalizations, and strain on emergency services.	
Description of the Solution:	The Township will partner with the County in attending State and Federal trainings relating to disease outbreak and will also develop a Public Health Plan that details how much PPE may be needed at the Township level and offers guidance to emergency services and hospital staff on how to handle increased hospitalizations.	
Estimated Cost:	Staff Time	
Potential Funding Sources:	Municipal Budget	
Implementation Timeline:	2 Years	
Goals Met:	1	
Benefits:	The Township will be better prepared to handle potential disease outbreak.	
Impact on Socially Vulnerable Populations:	Socially vulnerable populations will be more informed and educated as it relates to disease outbreak. The elderly, sick, and young are more at risk for disease outbreaks.	
Impact on Future Development:	N/A	
Impact on Critical Facilities/Lifelines:	Emergency Services will have guidance on how to support medical staff and ensure that residents stay protected.	
Impact on Capabilities:	Increases Township capability on how to handle disease outbreak.	
Climate Change Considerations:	N/A	
Mitigation Category	Local Plans and Regulations	
CRS Category	Emergency Services	
Priority	Medium	
Alternatives	Action	Evaluation
	No Action	-
	Follow a county health plan	Not specific to Township, including specifics to hospitals
	Follow guidance from CDC when applicable	Guidance may be delayed and will be blanket issued from the federal government.



Action 2024-EdgewaterPark-05. EOC and Sheltering

Lead Agency:	Township Administration	
Supporting Agencies:	Township Public Works	
Hazard(s) of Concern:	Dam Failure, Disease Outbreak, Drought, Earthquake, Extreme Temperature, Flood, Severe Weather, Severe Winter Weather, Wildfire	
Description of the Problem:	The Township does not currently have a building that can be used as an EOC and as a heating and cooling shelter as needed.	
Description of the Solution:	The Township will evaluate the feasibility and cost effectiveness of designing a new building to be used as an EOC and as heating and cooling shelter. The Township will then acquire funding to create and maintain the building.	
Estimated Cost:	TBD	
Potential Funding Sources:	HMGP, CDBG, EOC Grant Program, Municipal Budget	
Implementation Timeline:	Less than 5 Years	
Goals Met:	1, 2, 5, 6, 7	
Benefits:	The Township will have a homebase during hazard events and will also have a building that has heating and cooling sheltering capabilities.	
Impact on Socially Vulnerable Populations:	Socially Vulnerable populations will have sheltering capabilities.	
Impact on Future Development:	N/A	
Impact on Critical Facilities/Lifelines:	An EOC building/shelter will help prepare critical facilities/lifelines for hazard impacts.	
Impact on Capabilities:	EOC increases Township capabilities to handle hazards.	
Climate Change Considerations:	Storms are increasing in frequency and severity due to climate change.	
Mitigation Category	Structure and Infrastructure Project	
CRS Category	Emergency Services	
Priority	High	
Alternatives	Action	Evaluation
	No action	The Township will continue to not have a designated EOC
	Rent a space	The space may not be availability during an emergency
	Use another government building	The room may be occupied or impacted by the emergency event



Action 2024-EdgewaterPark-06. Public Education and Outreach

Lead Agency:	OEM
Supporting Agencies:	Planning Partners, County Planning, NJOEM, FEMA
Hazard(s) of Concern:	Dam Failure, Disease Outbreak, Drought, Earthquake, Extreme Temperature, Flood, Severe Weather, Severe Winter Weather, Wildfire
Description of the Problem:	Residents and business may not be informed on hazard risks or how to mitigate the risks associated with the hazards which may impact the Township
Description of the Solution:	<p>Conduct and facilitate community and public education and outreach for residents and businesses to include, but not be limited to, the following to promote and effect natural hazard risk reduction:</p> <ul style="list-style-type: none"> • Provide and maintain links to the HMP website, and regularly post notices on the County/municipal homepage(s) referencing the HMP webpages. • Prepare and distribute informational letters to flood vulnerable property owners and neighborhood associations, explaining the availability of mitigation grant funding to mitigate their properties, and instructing them on how they can learn more and implement mitigation. • Use email notification systems and newsletters to better educate the public on flood insurance, the availability of mitigation grant funding, and personal natural hazard risk reduction measures. • Work with neighborhood associations, civic and business groups to disseminate information on flood insurance and the availability of mitigation grant funding.
Estimated Cost:	Low
Potential Funding Sources:	Municipal budget
Implementation Timeline:	Within 1 year
Goals Met:	1, 3, 4, 7
Benefits:	This action will inform all populations on the hazards which may occur in the Township, how to mitigate the risk associated with those hazards, potentially increase the number of flood-insured residents, potentially decrease the number of homes at risk to flooding impacts.
Impact on Socially Vulnerable Populations:	Socially vulnerable populations are often the most at-risk to hazards due to pre-existing conditions and socioeconomic status. This action will educate and inform all populations, including the socially vulnerable, on the hazards which may occur in the Township and how to mitigate the risk associated with those hazards.
Impact on Future Development:	N/A
Impact on Critical Facilities/Lifelines:	N/A



Impact on Capabilities:	N/A	
Climate Change Considerations:	Climate change is likely to increase the intensity and frequency of many climate related disaster events.	
Mitigation Category	Education and Awareness Programs	
CRS Category	Public Information	
Priority	High	
Alternatives	Action	Evaluation
	No Action	The public will need to rely on their own research and knowledge for disease prevention and protection
	Rely on state or federal resources	Resources may be generalized and not specific to the risks in Burlington County
	Use only a few methods for distribution	Using only a few methods of distribution may hinder socially vulnerable populations from receiving the guidance

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Action 2024-EdgewaterPark-07. Lightning System Upgrades

Lead Agency:	Edgewater Park Sewerage	
Supporting Agencies:	Township Administration	
Hazard(s) of Concern:	Severe Weather	
Description of the Problem:	Edgewater Park Sewerage noted prior impacts from Superstorm Sandy and concerns with lightning from severe weather events impacting services.	
Description of the Solution:	Upgrade and improve lightning systems on buildings.	
Estimated Cost:	Medium	
Potential Funding Sources:	Municipal budget	
Implementation Timeline:	2 years	
Goals Met:	2	
Benefits:	This action will reduce potential lightning impacts to the sewerage facility during severe weather events.	
Impact on Socially Vulnerable Populations:	N/A	
Impact on Future Development:	N/A	
Impact on Critical Facilities/Lifelines:	This action will ensure continuity of operations for the capabilities of this critical facility.	
Impact on Capabilities:	This action will ensure continuity of operations for the capabilities of this critical facility.	
Climate Change Considerations:	Climate change is likely to increase the intensity and frequency of many climate related disaster events, including severe weather events.	
Mitigation Category	Structure and Infrastructure Projects	
CRS Category	Property Protection	
Priority	Medium	
Alternatives	Action	Evaluation
	No Action	Current problem remains
	Lower height of structure	Cost and functionally prohibitive
	Install generator back-up	Generator may be impacted by lightning strike



Action 2024-EdgewaterPark-08. Delaware River Flood Mitigation

Lead Agency:	OEM	
Supporting Agencies:	Planning Partners, County Planning, NJOEM, FEMA	
Hazard(s) of Concern:	Flood	
Description of the Problem:	When the Delaware River floods, it is mostly residential roads impacted, including a low-lying bridge which spans from Warren Street to Beverly Road. On occasion, the Canoe Club, a historic site, will flood.	
Description of the Solution:	Work with partnering agencies to identify feasible mitigation measures to provide relief from flooding impacts caused by the Delaware River.	
Estimated Cost:	High	
Potential Funding Sources:	FEMA BRIC, HMGP	
Implementation Timeline:	5 years	
Goals Met:	2	
Benefits:	This action would reduce the flooding impacts felt by the Township from the Delaware River.	
Impact on Socially Vulnerable Populations:	This action will assist socially vulnerable populations whose properties are impacted by flooding from the Delaware River. Furthermore, this action will assist in keeping roadways clear of flood waters for the populations which may need to attend medical appointments or require medical attention from first responders.	
Impact on Future Development:	N/A	
Impact on Critical Facilities/Lifelines:	This action would assist in the reduction of roadway flooding from the Delaware River, permitting first responders to traverse the roadways safely.	
Impact on Capabilities:	N/A	
Climate Change Considerations:	A warmer atmosphere means storms have the potential to be more intense and occur more often, including increased periods of intense rain events. Sea level rise associated with climate change may cause water levels in the tidal Delaware River to increase.	
Mitigation Category	Structure and Infrastructure Projects	
CRS Category	Structural Flood Control Projects	
Priority	Medium	
Alternatives	Action	Evaluation
	No Action	Current problem continues
	Built seawall	Cost prohibitive



	Implement green infrastructure to restore natural floodplain function	May be insufficient space for green infrastructure to be effective
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The prioritization criteria provided in Volume 1, Section 6 (Mitigation Strategy) identify 14 evaluation/prioritization criteria to complete the prioritization of mitigation initiatives. For each new mitigation action, a numeric rank is assigned (-1, 0, or 1) for each of the 14 evaluation criteria to assist with prioritizing actions as 'High', 'Medium', or 'Low.' The table below provides a summary of the prioritization of all proposed mitigation initiatives for the HMP update.

Table 9.13-17. Summary of Prioritization of Actions

Project Number	Project Name	Life Safety	Property Protection	Cost-Effectiveness	Political	Legal	Fiscal	Environmental	Social Vulnerability	Administrative	Hazards of Concern	Climate Change	Timeline	Community Lifelines	Other Community Objectives	Total	High / Medium / Low
		2024-EdgewaterPark-01	Code Coordinated Ordinance	1	1	1	1	1	1	1	1	1	0	1	1	0	0
2024-EdgewaterPark-02	Disaster Debris Management Plan	0	0	1	1	1	1	0	0	1	1	1	1	0	1	9	Medium
2024-EdgewaterPark-03	Substantial Damage Management Plan	0	1	1	1	1	1	0	1	1	1	1	1	1	0	11	High
2024-EdgewaterPark-04	Disease Outbreak Preparedness	1	0	1	1	1	1	0	1	1	0	0	1	0	1	9	Medium
2024-EdgewaterPark-05	EOC and Sheltering	1	1	1	1	1	0	0	1	1	1	1	1	1	0	11	High
2024-EdgewaterPark-06	Public Education and Outreach	1	1	1	1	1	1	0	1	1	1	1	1	0	0	11	High
2024-EdgewaterPark-07	Lightning System Upgrades	0	1	1	1	1	1	0	0	1	0	1	1	1	0	9	Medium
2024-EdgewaterPark-08	Delaware River Flood Mitigation	0	1	1	1	1	0	1	0	1	0	1	1	0	1	9	Medium

Note: Volume 1, Section 6 (Mitigation Strategy) conveys guidance on prioritizing mitigation actions. Low (0-6), Medium (7-10), High (11-14).