



9.14 BOROUGH OF NEWFIELD

This section presents the jurisdictional annex for the Borough of Newfield and includes resources and information to assist public and private sectors with reducing losses from future hazard events. This annex is not intended as guidance for actions to take during a disaster. Rather, this annex provides actions that can be implemented prior to a disaster to reduce or eliminate damage to property and people. The annex includes a general overview of the municipality and who in the Borough participated in the planning process, an assessment of the Borough of Newfield’s risk and vulnerability, the different capabilities used in the Borough, and an action plan that will be implemented to achieve a more resilient community.

9.14.1 Hazard Mitigation Planning Team

The Borough of Newfield followed the planning process described in Section 2 (Planning Process) in Volume I of this plan update and developed the annex over the course of several months with input from many Borough departments as summarized in the table below. The primary and alternate points of contact represented the community on the 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 coronavirus pandemic resulted in a strain on local resources that limited some participation, but every effort was made to connect with staff and stakeholders and gain diverse input. Due to safety precautions, all meetings were held virtually.

The following table summarizes municipal officials that participated in the development of the annex and in what capacity, including the Borough of Newfield’s hazard mitigation plan primary and alternate points of contact. Additional documentation on the municipality’s planning process through Planning Partnership meetings is included in Section 2 (Planning Process) and Appendix C (Meeting Documentation).

Table 9.14-1. Hazard Mitigation Planning Team

Primary Point of Contact	Alternate Point of Contact
Name/Title: Wayne Johnson, Borough Engineer Address: 299 Silver Lake Road, Bridgeton, New Jersey 08302 Phone Number: 856-453-7755 Email: wejohnsoneng@comcast.net	Name/Title: Toni Van Camp, Borough Administrator Address: 18 Catawba Newfield, NJ 08344 Phone Number: 856-697-1100 x 0 Email: tvancamp@newfieldboro.org
NFIP Floodplain Administrator	
Name/Title: Wayne Johnson, Borough Engineer Address: 299 Silver Lake Road, Bridgeton, New Jersey 08302 Phone Number: 856-453-7755 Email: wejohnsoneng@comcast.net	



Name	Title	Method of Participation
Wayne Johnson, PE	Borough Engineer	Provided information on past events, capabilities. Reviewed previous actions and provided status updates. (6 hours total)
Toni Van Camp	Municipal Clerk/Administrator	Provided information on building permits (4 hours total)

9.14.2 Municipal Profile

Newfield was formed as a borough by an act of the New Jersey Legislature on March 8, 1924, from portions of Franklin Township, based on the results of a referendum held on April 1, 1924. Major businesses were McClellon’s Rug Mill owned John O’Neil on East Boulevard, where Frank Mangino’s home stands and the Frank Morrell Rattan Furniture Mill on Catawba Avenue, East of the Railroad. The Borough steadily grew in population due to the influence of the railroad and the junction of the Atlantic City Spur, which was a double track all the way to the shore. The Borough borders the municipalities of Franklin Township in Gloucester County and Vineland in Cumberland County.

According to the U.S. Census, the 2010 population for the Borough of Newfield was 1,553. The estimated 2019 population was 1,521, a 2 percent decrease from the 2010 Census. Data from the 2019 U.S. Census American Community Survey indicate that 2.5 percent of the population is 5 years of age or younger and 17.9 percent is 65 years of age or older. Communities must deploy a support system that enables all populations to safely reach shelters or to quickly evacuate a hazard area.

9.14.3 Jurisdictional Capability Assessment and Integration

The Borough of Newfield performed an inventory and analysis of existing capabilities, plans, programs, and policies that enhance its ability to implement mitigation strategies. Section 5 (Capability Assessment) describes the components included in the capability assessment and their significance for hazard mitigation planning. This section summarizes the following findings of the assessment:

- An assessment of planning, 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. Annex development included reviewing planning and policy documents and surveying each jurisdiction to obtain a better understanding of their progress in plan integration and how risk reduction is supported. Areas with current mitigation integration are summarized in this jurisdictional Capability Assessment (Section 9.14.3). The updated mitigation strategy includes opportunities the Borough of Newfield identified for integration of mitigation concepts to be incorporated into municipal procedures.

9.14.3.1 Planning, Legal, and Regulatory Capability

Section 5 (Capability Assessment) provides an overview of the planning, legal, and regulatory capabilities. The table below summarizes the regulatory tools that are available to the Borough of Newfield, what is present in the jurisdiction, and code citation and date.

Table 9.14-2. Planning, Legal, and Regulatory Capability

	Jurisdiction has this? (Yes/No)	Required by State? (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	Yes	Chapter 102	State and Local	Code Official
<i>How does this reduce risk? There is hereby established in the Borough of Newfield a State Uniform Construction Code enforcing agency to be known as the "Newfield Construction Code Department," consisting of a Construction Official, Building Subcode Official, Plumbing Subcode Official, Electrical Subcode Official, Fire Protection Subcode Official and such other subcode officials for such additional subcodes as the Commissioner of the Department of Community Affairs, State of New Jersey, shall hereafter adopt as part of the State Uniform Construction Code. The Construction Official shall be the chief administrator of the enforcing agency. Each official shall enforce the subcode corresponding to his title, subject to the supervision of the Construction Official. The individual will oversee the construction and building that occurs in the municipality and ensure the safety and environmental protection.</i>					
Zoning/Land Use Code	Yes	Yes, if the jurisdiction has a planning board	Article 5 Zoning	Local	Borough Planning
<i>How does this reduce risk? Areas devoted to drainage or stormwater management basins shall not be included in the calculation of lot area or credited towards the minimum area of a lot. The lot area of a freestanding drainage or stormwater management basin shall not be subject to the bulk and area requirements otherwise applicable to the zoning district in which the basin is located.</i>					
Subdivision Ordinance	Yes	Yes, if the jurisdiction has a planning board	Article 260-17	Local	Planning Board
<i>How does this reduce risk? It is the purpose of this chapter to provide rules, regulations and standards that will contribute to the orderly growth and development of the Borough of Newfield; to set forth a clear statement of development application requirements in good civic design and arrangement; to improve the efficiency and safety of circulation systems within and outside individual developments; to encourage positive application to high standards of design and construction; to contribute to the overall quality of the environment and to further the goals and objectives of the Borough's Master Plan and the purposes of the Borough's Zoning Ordinance set forth in § 295-2 of Chapter 295, Zoning.</i>					
Stormwater Management Ordinance	Yes	Yes	Article 295-11	Local	Engineer
<i>How does this reduce risk? Flood control, groundwater recharge, and pollutant reduction shall be achieved through the use of stormwater management measures, including green infrastructure best management practices (GI BMPs) and nonstructural stormwater management strategies. GI BMPs and low-impact development (LID) should be utilized to meet the goal of maintaining natural hydrology to reduce stormwater runoff volume, reduce erosion, encourage infiltration and groundwater recharge, and reduce pollution. GI BMPs and LID should be developed based upon physical</i>					



	Jurisdiction has this? (Yes/No)	Required by State? (Yes/No)	Code Citation and Date (code chapter, name of plan, date of plan)	Authority (local, county, state, federal)	Individual / Department / Agency Responsible
<i>site conditions and the origin, nature and the anticipated quantity, or amount, of potential pollutants. Multiple stormwater management BMPs may be necessary to achieve the established performance standards for water quality, quantity, and groundwater recharge.</i>					
Post-Disaster Recovery/ Reconstruction Ordinance	No	No	-	-	-
<i>How does this reduce risk?</i>					
Real Estate Disclosure	Yes	Yes	N.J.A.C. 13:45A-29.1	State	NJ Division of Consumer Affairs
<i>How does this reduce risk?</i> <i>Before signing a contract of sale, all purchasers must receive a New Jersey Public Offering Statement (POS) approved by the New Jersey Real Estate Commission. The POS provides information such as estimated completion dates for improvements, fees for services and amenities, the type of title and ownership interest being offered, its proximity to hospitals, schools, fire and police, as well as any hazards, risks or nuisances in or around the subdivision.</i>					
Growth Management	Yes	Yes, if the jurisdiction has a planning board	Master Plan	Local	Borough of Newfield
<i>How does this reduce risk?</i> <i>The intent of this chapter is to establish a precise and detailed plan for the use of the land in the Borough based on its Master Plan and enacted in order to promote and to protect the public health, safety, morals, comfort, convenience and the general welfare of the people. The purposes of this chapter are those set forth under the zoning provisions of the Municipal Land Use Law, Chapter 291 of the Laws of 1975, N.J.S.A. 40:55D-1 et seq., as amended.</i>					
Site Plan Ordinance	Yes	Yes, if the jurisdiction has a planning board	Article 260-12	Local and County	Engineer
<i>How does this reduce risk?</i> <i>It is the purpose of this chapter to provide rules, regulations and standards that will contribute to the orderly growth and development of the Borough of Newfield; to set forth a clear statement of development application requirements in good civic design and arrangement; to improve the efficiency and safety of circulation systems within and outside individual developments; to encourage positive application to high standards of design and construction; to contribute to the overall quality of the environment and to further the goals and objectives of the Borough's Master Plan and the purposes of the Borough's Zoning Ordinance set forth in § 295-2 of Chapter 295, Zoning.</i>					
Environmental Protection Ordinance	No	Yes, depends on type of environmental areas	-	-	-
<i>How does this reduce risk?</i>					
Flood Damage Prevention Ordinance	Yes	Yes	Chapter 136, Adopted 2013	Federal, State, County and Local	Borough Code Enforcement
<i>How does this reduce risk?</i> It is the purpose of this chapter to promote the public health, safety, and general welfare, and to minimize public and private losses due to flood conditions in specific areas by provisions designed to: A. Protect human life and health; B. Minimize expenditure of public money for costly flood control projects; C. Minimize the need for rescue and relief efforts associated with flooding and generally undertaken at the expense of the general public; D. Minimize prolonged business interruptions; E. Minimize damage to public facilities and utilities such as water and gas mains, electric, telephone and sewer lines, streets, and bridges located in areas of special flood hazard; F. Help maintain a stable tax base by providing for the second use and development of areas of special flood hazard so as to minimize future flood blight areas; G. Ensure that potential buyers are notified that property is in an area of special flood hazard; and H. Ensure that those who occupy the areas of special flood hazard assume responsibility for their actions.					
Wellhead Protection	No	No	-	-	-
<i>How does this reduce risk?</i>					



	Jurisdiction has this? (Yes/No)	Required by State? (Yes/No)	Code Citation and Date (code chapter, name of plan, date of plan)	Authority (local, county, state, federal)	Individual / Department / Agency Responsible
Emergency Management Ordinance	No	No	-	-	-
<i>How does this reduce risk?</i>					
Climate Change Ordinance	No	No	-	-	-
<i>How does this reduce risk?</i>					
Disaster Recovery Ordinance	No	No	-	-	-
<i>How does this reduce risk?</i>					
Disaster Reconstruction Ordinance	No	No	-	-	-
<i>How does this reduce risk?</i>					
Other	No	-	-	-	-
Codes, Ordinances, & Regulations Connection to Mitigation and Safe Growth					
<ul style="list-style-type: none"> • Prior to, zoning changes, or development permitting, does the jurisdiction review the hazard mitigation plan and other hazard analyses to ensure consistent and compatible land use? YES • Does the zoning ordinance discourage development or redevelopment within natural areas including wetlands, floodways, and floodplains? YES • Does it contain natural overlay zones that set conditions? N/A • Does the ordinance require developers to take additional actions to mitigate natural hazard risk? N/A • Do rezoning procedures recognize natural hazard areas as limits on zoning changes that allow greater intensity or density of use? N/A • Do the ordinances prohibit development within, of filling of, wetlands, floodways, and floodplains? YES • Do the subdivision regulations restrict the subdivision of land within or adjacent to natural hazard areas? YES • Do the subdivision regulations restrict the subdivision of land within or adjacent to natural hazard areas? YES • Do the regulations provide for conservation subdivisions or cluster subdivisions in order to conserve environmental resources? N/A • Do the regulations allow density transfers where hazard areas exist? N/A • When updating ordinances, is hazard mitigation considered? N/A 					
Planning Documents					
Master Plan	Yes	Yes – County Yes/No - municipality	Adopted 1978, updated in 2004	Local	Borough Planning
<i>How does this reduce risk?</i> <i>The Master Plan guides long term development.</i>					
Capital Improvement Plan	No	Allowed	-	-	-
<i>How does this reduce risk?</i>					
Disaster Debris Management Plan	Yes	No	Stormwater Unwritten process within DPW	Local	Department of Public Works
<i>How does this reduce risk?</i>					
Floodplain Management or Watershed Plan	No	No	-	-	-
<i>How does this reduce risk?</i>					
Stormwater Management Plan	Yes	Yes	2021	Local	Planning
<i>How does this reduce risk?</i> <i>Employees are more educated on the best management practices for stormwater, which translates to improved water quality.</i>					
Stormwater Pollution Prevention Plan	Yes	Yes	2018	Local	Borough DPW



	Jurisdiction has this? (Yes/No)	Required by State? (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>					
<i>Development in areas mapped as wetlands, flood prone areas, suitable habitat for endangered and threatened species as identified on the Department's Landscape Maps of Habitat for Endangered, Threatened and Other Priority Wildlife as Ranks 3, 4 and 5, Natural Heritage Priority Sites, riparian zones, steep slopes, or designated river areas may be subject to special regulation under Federal or State statutes or rules and interested persons should check with the Department for the latest information. Any depiction of environmental features shall be for general information purposes only, and shall not be construed to define the legal geographic jurisdiction of such statutes or rules.</i>					
Urban Water Management Plan	No	No	-	-	-
<i>How does this reduce risk?</i>					
Habitat Conservation Plan	No	No	-	-	-
<i>How does this reduce risk?</i>					
Economic Development Plan	No	No	-	-	-
<i>How does this reduce risk?</i>					
Shoreline Management Plan	No	No	-	-	-
<i>How does this reduce risk?</i>					
Community Wildfire Protection Plan	No	No	-	-	-
<i>How does this reduce risk?</i>					
Community Forest Management Plan	No	No	-	-	-
<i>How does this reduce risk?</i>					
Transportation Plan	No	No	-	-	-
<i>How does this reduce risk?</i>					
Agriculture Plan	No	No	-	-	-
<i>How does this reduce risk?</i>					
Climate Action/ Resiliency Plan	No	No	-	-	-
<i>How does this reduce risk?</i>					
Tourism Plan	No	No	-	-	-
<i>How does this reduce risk?</i>					
Business/ Downtown Development Plan	No	No	-	-	-
<i>How does this reduce risk?</i>					
Other	No	No	-	-	-
Planning Connection to Mitigation and Safe Growth					
<ul style="list-style-type: none"> • When constructing upcoming budgets, hazard mitigation actions will be funded as budget allows. Construction projects will be evaluated to see if they meet the hazard mitigation goals. N/A • Annually, the jurisdiction will review mitigation actions when allocating funding. N/A • Do budgets limit expenditures on projects that would encourage development in areas vulnerable to natural hazards? N/A • Do infrastructure policies limit extension of existing facilities and services that would encourage development in areas vulnerable to natural hazards? N/A • Do budgets provide funding for hazard mitigation projects identified in the County HMP? N/A • Does the future land use map clearly identify natural hazard areas? Plan • Do the land use policies discourage development or redevelopment with natural hazard areas? YES • Does the plan provide adequate space for expected future growth in areas located outside natural hazard areas? N/A 					



	Jurisdiction has this? (Yes/No)	Required by State? (Yes/No)	Code Citation and Date (code chapter, name of plan, date of plan)	Authority (local, county, state, federal)	Individual / Department / Agency Responsible
<ul style="list-style-type: none"> Does the transportation plan limit access to hazard areas? N/A Is transportation policy used to guide growth to safe locations? N/A Are transportation systems designed to function under disaster conditions (e.g., evacuation)? N/A Are environmental systems that protect development from hazards identified and mapped? N/A Do environmental policies maintain and restore protective ecosystems? N/A Do environmental policies provide incentives to development that is located outside protective ecosystems? N/A 					
Response/Recovery Planning					
Emergency Operations Plan	No	No	-	-	-
<i>How does this reduce risk?</i>					
Strategic Recovery Planning Report	No	No	-	-	-
<i>How does this reduce risk?</i>					
Threat & Hazard Identification & Risk Assessment (THIRA)	No	No	-	-	-
<i>How does this reduce risk?</i>					
Post-Disaster Recovery Plan	No	No	-	-	-
<i>How does this reduce risk?</i>					
Continuity of Operations Plan	No	No	-	-	-
<i>How does this reduce risk?</i>					
Public Health Plan	No	No	-	-	-
<i>How does this reduce risk?</i>					
Other	No	-	-	-	-
Response/Recovery Planning Connection to Mitigation and Safe Growth					
<ul style="list-style-type: none"> Does your EOP cover short-term response and long-term recovery to address communications, evacuation, and housing necessary for identified hazards? N/A 					

9.14.3.2 Development and Permitting Capability

The table below summarizes the capabilities of the Borough of Newfield to oversee and track development.

Table 9.14-3. Development and Permitting Capability

Indicate if your jurisdiction implements the following	Yes/No	Comment
Do you issue development permits? <ul style="list-style-type: none"> If yes, what department is responsible? If no, what is your process for development? 	Yes	Code Enforcement
Are permits tracked by hazard area? (For example, floodplain development permits.)	Yes	Flood
Do you have a buildable land inventory? <ul style="list-style-type: none"> If yes, describe. If no, quantitatively describe the level of buildout in the jurisdiction. 	No	Built Out



9.14.3.3 Administrative and Technical Capability

The table below summarizes potential staff and personnel resources available to the Borough of Newfield and their current responsibilities which contribute to hazard mitigation.

Table 9.14-4. Administrative and Technical Capabilities

Resources	Available? (Yes/No)	Comments (available staff, responsibilities, support of hazard mitigation)
Administrative Capability		
Planning Board	Yes	Borough of Newfield Planning Board
Zoning Board of Adjustments	Yes	Combined with Planning Board
Planning Department	Yes	Secretary, Engineer, Solicitor
Mitigation Planning Committee	No	-
Environmental Board/Commission	No	-
Open Space Board/Committee	No	-
Economic Development Commission/Committee	No	-
Public Works/Highway Department	Yes	Department of Public Works
Construction/Building/Code Enforcement Department	Yes	Code Official
Emergency Management/Public Safety Department	Yes	Department of Public Safety, OEM
Warning Systems / Services (mass notification system, outdoor warning signals)	Yes	Message Board/One Call
Maintenance programs to reduce risk (stormwater maintenance, tree trimming, etc.)	Yes	Department of Public Works
Mutual aid agreements	Yes	Shared Service Agreement
Human Resources Manual - Do any job descriptions specifically include identifying or implementing mitigation projects or other efforts to reduce natural hazard risk?	Yes	Public Works and Borough Clerk are drafting a Human Resources Manual
Other	Yes	Shade Tree Commission
Technical/Staffing Capability		
Planners or engineers with knowledge of land development and land management practices	Yes	Borough / Planning Board Engineer
Engineers or professionals trained in building or infrastructure construction practices	Yes	Borough Engineer
Planners or engineers with an understanding of natural hazards	Yes	Borough Engineer
Staff with expertise or training in benefit/cost analysis	Yes	Borough staff
Professionals trained in conducting damage assessments	Yes	Borough Engineer
Personnel skilled or trained in GIS and/or Hazards United States (HAZUS) – Multi-Hazards (MH) applications	Yes	GIS familiar Borough Engineer
Scientist familiar with natural hazards	No	-
Surveyor(s)	No	-
Emergency Manager	Yes	OEM
Grant writer(s)	Yes	Council member is responsible for grants.
Resilience Officer	No	-



Resources	Available? (Yes/No)	Comments (available staff, responsibilities, support of hazard mitigation)
Other (this could include stormwater engineer, environmental specialist, etc.)	Yes	Stormwater Management Officer
How do your administrative/technical capabilities contribute to risk reduction in your community?		
<ul style="list-style-type: none"> The Borough is quick to react whenever there is a problem. Administration moves issues with red tape. 		

9.14.3.4 Fiscal Capability

The table below summarizes financial resources available to the Borough of Newfield.

Table 9.14-5. Fiscal Capabilities

Financial Resources	Are these accessible or eligible to use for mitigation? (Yes/No) If yes, please describe. If no, can this be used to support in the future?
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	Yes
Impact fees for homebuyers or developers of new development/homes	No
Stormwater utility fee	No
Incur debt through general obligation bonds	Yes
Incur debt through special tax bonds	No
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
Fiscal Connection to Mitigation and Safe Growth	
<ul style="list-style-type: none"> How do your fiscal capabilities contribute to risk reduction in your community? Water Utility can increase taxes minimally to cover expenditures. When constructing upcoming budgets, hazard mitigation actions will be funded as budget allows. Construction projects will be evaluated to see if they meet the hazard mitigation goals. Annually, the jurisdiction will review mitigation actions when allocating funding. Do budgets limit expenditures on projects that would encourage development in areas vulnerable to natural hazards? No Do infrastructure policies limit extension of existing facilities and services that would encourage development in areas vulnerable to natural hazards? No Do budgets provide funding for hazard mitigation projects identified in the County HMP? No 	

9.14.3.5 Education and Outreach Capability

The table below summarizes the education and outreach resources available to the Borough of Newfield.



Table 9.14-6. Education and Outreach Capabilities

Outreach Resources	Available? (Yes/No)	Comments (available staff, responsibilities, etc.)
Public information officer or communications office	Yes	Council member is assigned to Communications and Information Technology.
Personnel skilled or trained in website development	Yes	Council member is assigned to Communications and Information Technology.
Hazard mitigation information available on your website	Yes	The Borough website has information on stormwater management.
Social media for hazard mitigation education and outreach	No	-
Citizen boards or commissions that address issues related to hazard mitigation	No	-
Other programs already in place that could be used to communicate hazard-related information	Yes	One Call/Message Board
Warning systems for hazard events	No	-
Natural disaster/safety programs in place for schools	Yes	School Board responsibility
Other	No	-
<p>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.</p> <ul style="list-style-type: none"> None noted. 		

9.14.3.6 Community Classifications

The table below summarizes classifications for community programs available to the Borough of Newfield.

Table 9.14-7. Community Classifications

Program	Participating? (Yes/No)	Classification (if applicable)	Date Classified (if applicable)
Community Rating System (CRS)	No	-	-
Building Code Effectiveness Grading Schedule (BCEGS)	No	-	-
Public Protection (ISO Fire Protection Classes 1 to 10)	No	-	-
Sustainable Jersey	No	-	-
StormReady Certification	No	-	-
Firewise Communities classification	No	-	-

Note:

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



9.14.3.7 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). In other words, it describes a jurisdiction’s current capabilities to adjust to, protect from, or withstand a future hazard event, future conditions, and changing risk. The table below summarizes the adaptive capacity for each hazard of concern and the jurisdiction’s rating.

Table 9.14-8. Adaptive Capacity

Hazard	Adaptive Capacity - Strong/Moderate/Weak*
Coastal Erosion	Moderate
Dam/ Levee	Moderate
Disease Outbreak	Moderate
Drought	Moderate
Earthquake	Moderate
Ext Temp	Moderate
Flood	Moderate
Geologic	Moderate
Hazmat	Moderate
Hurricane	Moderate
Invasive	Moderate
Nor'Easter	Moderate
Severe Storm	Moderate
Severe Winter Storm	Strong
Wildfire	Moderate
Utility Failure	Moderate

*Strong = Capacity exists and is in use, Moderate = Capacity may exist; but is not used or could use some improvement, Weak = Capacity does not exist or could use substantial improvement.

9.14.4 National Flood Insurance Program (NFIP) Compliance

The table below provides specific information on the management and regulation of the regulatory floodplain, including current and future compliance with the NFIP.

Table 9.14-9. NFIP Summary

NFIP Topic	Comments
Flood Vulnerability Summary	
<ul style="list-style-type: none"> # NFIP Policies: 0 # RL properties: 0 # SRL properties: 0 	<ul style="list-style-type: none"> Total premium in force: \$0.00 # claims filed: 0 Total loss payments: \$0.00



NFIP Topic	Comments
<ul style="list-style-type: none"> # RL/SRL mitigated: 0 	
Describe areas prone to flooding in your jurisdiction.	Floodplains
Do you maintain a list of properties that have been damaged by flooding?	No
Do you maintain a list of property owners interested in flood mitigation, and if so, how many are interested in (elevation or acquisition)?	No
How do you make Substantial Damage determinations? <ul style="list-style-type: none"> How many were declared for recent flood events in your jurisdiction? 	Unsure
Detail any RiskMAP projects currently underway in your jurisdiction.	No
Do your flood hazard maps adequately address the flood risk within your jurisdiction? <ul style="list-style-type: none"> If not, state why. 	Yes
NFIP Administration	
What local department is responsible for floodplain management?	Code Enforcement
Are any staff certified floodplain managers (CFMs) or is a consultant retained?	No
Provide an explanation of who in your municipality provides NFIP administration services (permit review, GIS, education/outreach, inspections, engineering capability).	Code Enforcement and other departments
What specific training or support does your floodplain management staff need to support its floodplain management program?	Not sure
How do you determine if proposed development on an existing structure would qualify as a substantial improvement?	Unsure
Do you have access to resources to determine possible future flooding conditions from climate change?	No
NFIP Compliance	
List any outstanding NFIP compliance violations.	None
When was the most recent Community Assistance Visit (CAV) or Community Assistance Contact (CAC)?	None on record with NJ DEP
What is the local law number or municipal code of your flood damage prevention ordinance? What is the date that your flood damage prevention ordinance was last amended?	Ordinance number 10 of 2013
Does your floodplain management program meet or exceed minimum requirements? <ul style="list-style-type: none"> If exceeds, in what ways? 	Meets but the flood damage prevention ordinance requires update
Are there other local ordinances, plans, or programs (site plan review, consideration of flood risk reduction when granting height variances) that support floodplain management and meeting the NFIP requirements?	No
Does your jurisdiction participate in CRS? <ul style="list-style-type: none"> If yes, is your jurisdiction interested in improving its CRS Classification? 	No and not interested



NFIP Topic	Comments
<ul style="list-style-type: none"> If no, is your jurisdiction interested in joining the CRS program? 	

Source: FEMA September 16, 2019; NJDEP - 2021

Notes:

RL—Repetitive Loss; SRL—Severe Repetitive Loss; NA—Not applicable

9.14.5 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 understanding 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 9.14-10. Recent and Expected Future Development

Type of Development	2016		2017		2018		2019		2020		2021	
Number of Building Permits for New Construction Issued Since the Previous HMP* (within regulatory floodplain/ outside regulatory floodplain)												
	Total	Within SFHA	Total	Within SFHA	Total	Within SFHA	Total	Within SFHA	Total	Within SFHA	Total	Within SFHA
Single Family	11	0	10	0	10	0	6	0	2	0	0	0
Multi-Family	0	0	0	0	0	0	0	0	0	0	0	0
Other (commercial, mixed-use, etc.)	0	0	0	0	0	0	1	0	0	0	0	0
Total Permits Issued	1	0	10	0	10	0	7	0	2	0	0	0
Property or Development Name	Type of Development	# of Units / Structures		Location (address and/or block and lot)		Known Hazard Zone(s)*		Description / Status of Development				
Recent Major Development and Infrastructure from 2015 to Present												
None identified												
Known or Anticipated Major Development and Infrastructure in the Next Five (5) Years												
None anticipated												

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

* Only location-specific hazard zones or vulnerabilities identified.

9.14.6 Jurisdictional Risk Assessment

The hazard profiles in Section 4 (Risk Assessment) provide detailed information regarding each plan participant’s vulnerability to the identified hazards. Section 4.1 (Identification of Hazards of Concern), Section 4.2 (Methodology and Tools), and Section 4.4 (Hazard Ranking) provide a detailed summary for the Borough



of Newfield's risk assessment results, and data used to determine the hazard ranking are discussed later in this section.

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

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Figure 9.14-1. Borough of Newfield Hazard Area Extent and Location Map 1

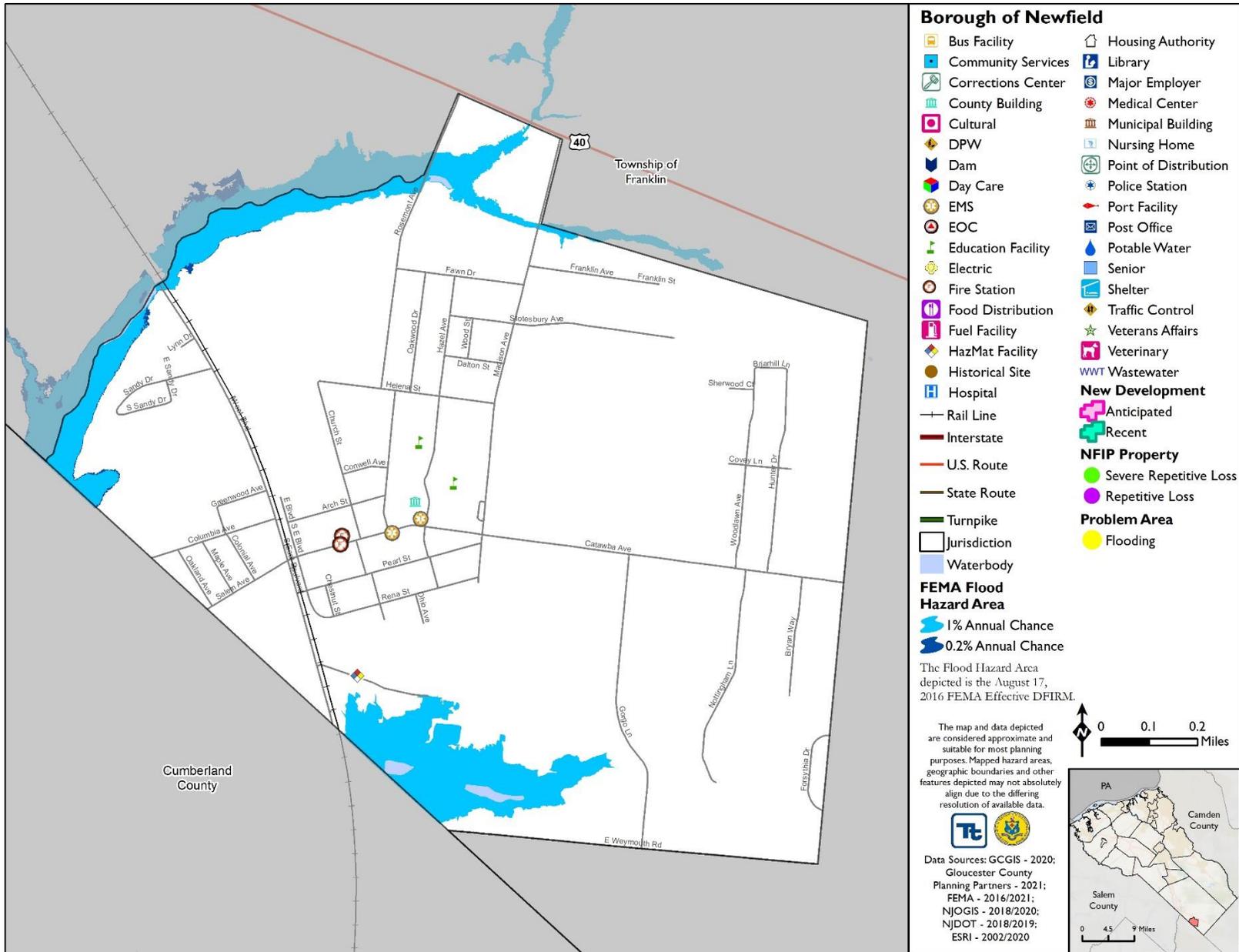




Figure 9.14-2. Borough of Newfield Hazard Area Extent and Location Map 2

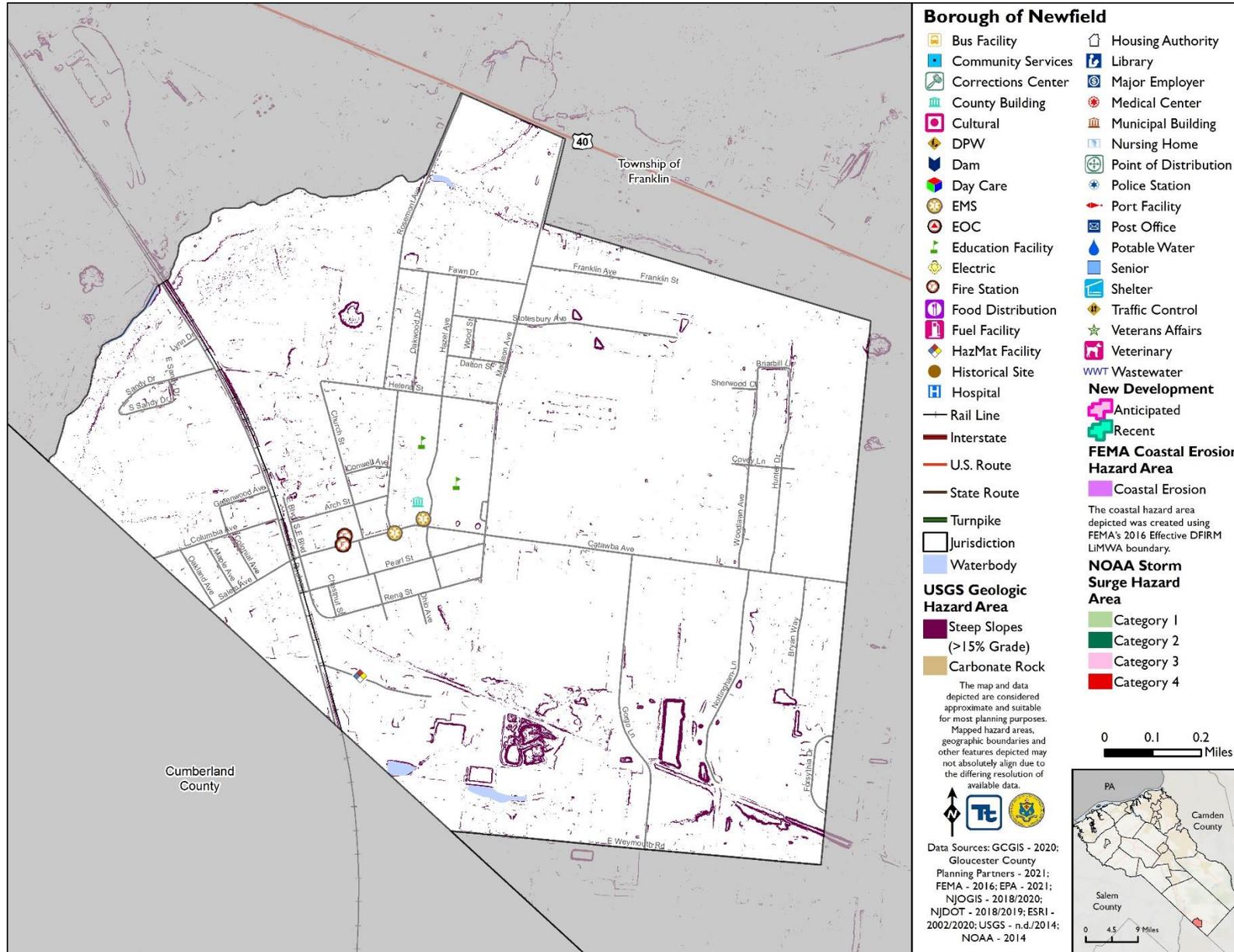




Figure 9.14-3. Borough of Newfield Hazard Area Extent and Location Map 3

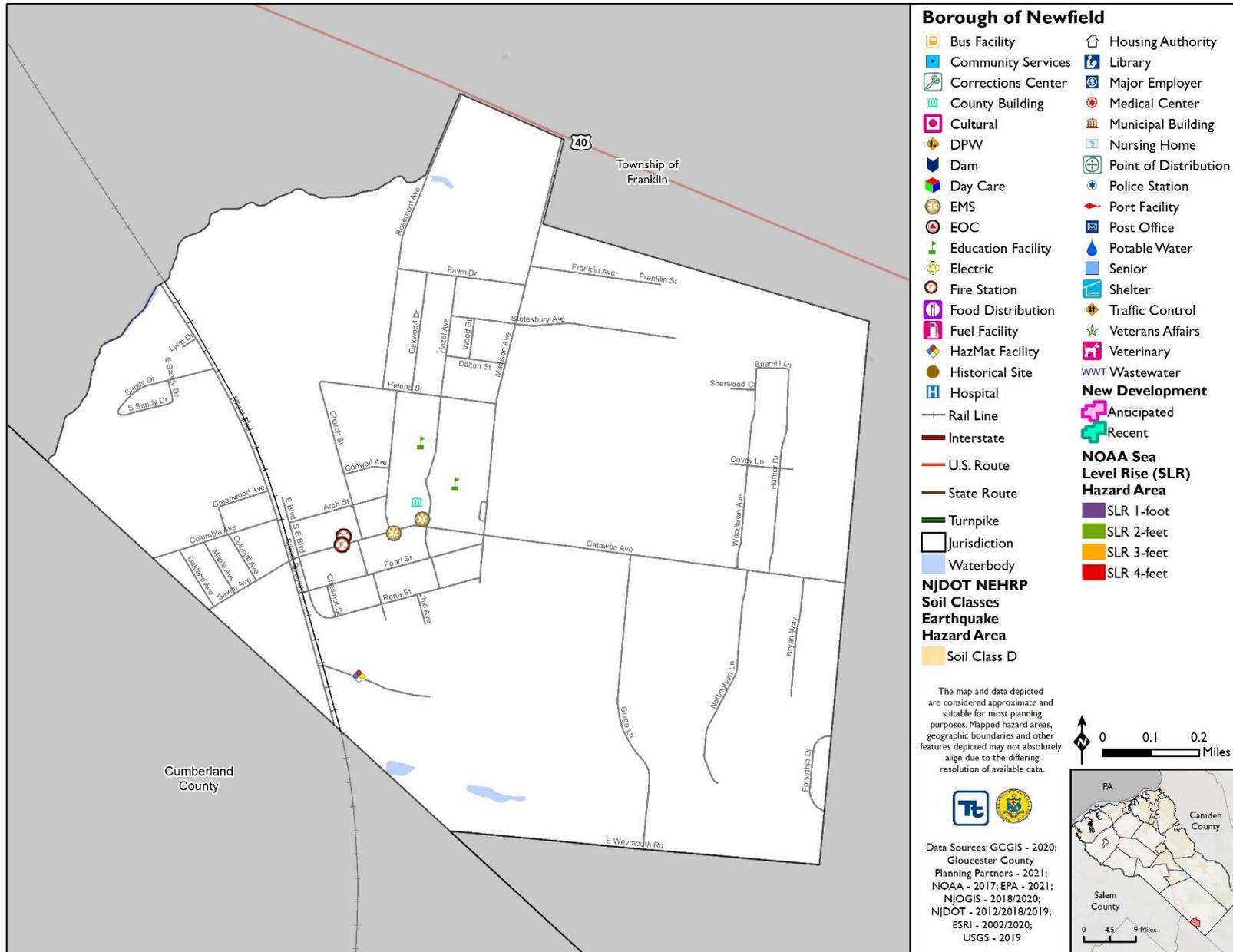
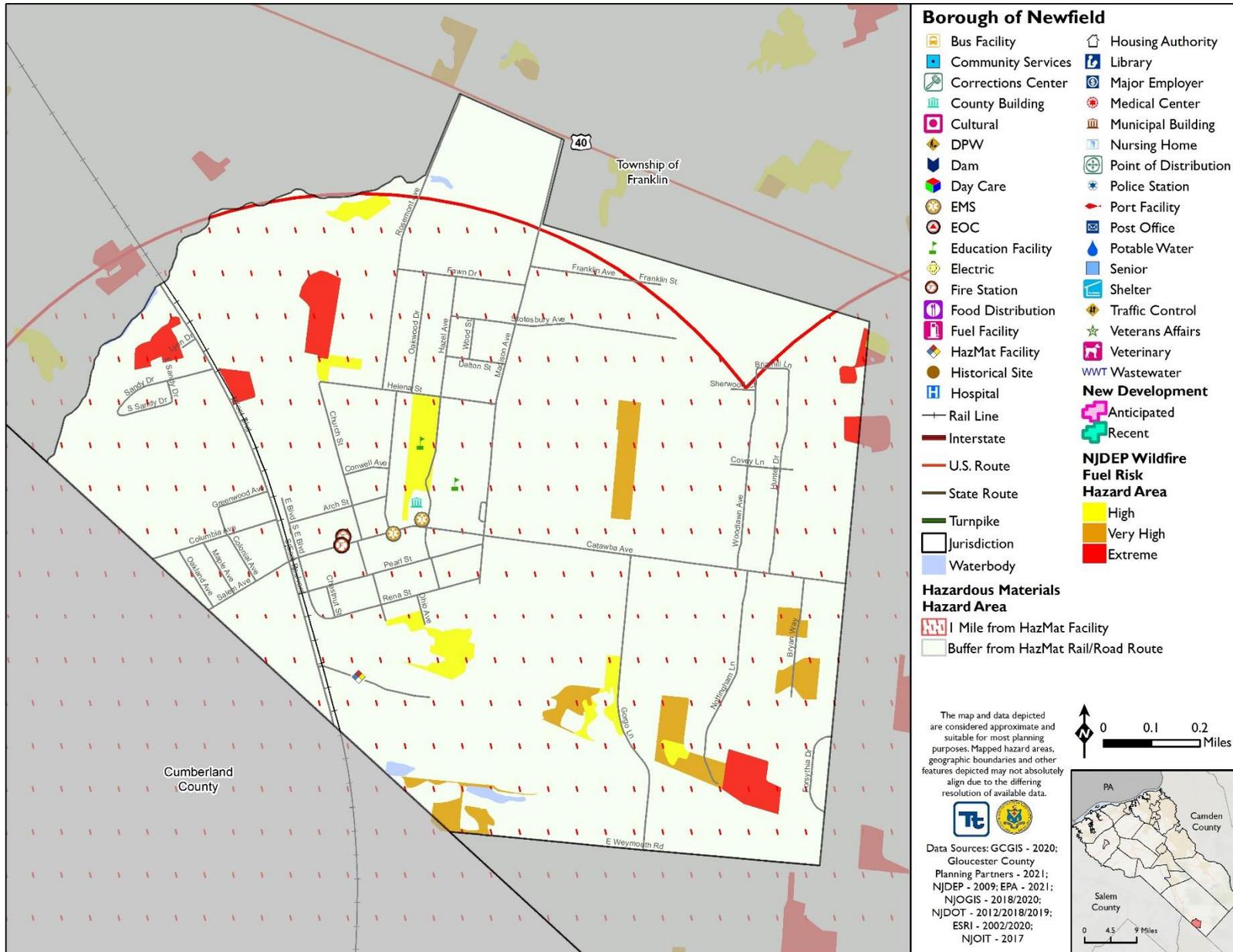




Figure 9.14-4. Borough of Newfield Hazard Area Extent and Location Map 4





9.14.6.1 Hazard Event History

Gloucester County has a history of natural hazard events as detailed in Section 4 (Risk Assessment) of this plan. 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 Borough of Newfield’s history of federal declarations (as presented by FEMA) and significant hazard events (as presented in NOAA-NCEI) is consistent with that of Gloucester County. The table below provides details regarding municipal-specific loss and damages the Borough 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 9.14-11. Hazard Event History

Dates of Event	Event Type (Disaster Declaration if applicable)	County Designated?	Summary of Event	Municipal Summary of Damages and Losses
February 15, 2015	Cold/Wind Chill	No	The center of an arctic air mass brought some of the lowest wind chills and temperatures of the winter season to New Jersey. Wind chill factors were recorded as low as 22 degrees below zero, with actual temperatures reaching -2°F.	Although the County was impacted, the Borough did not report significant impacts.
June 23, 2015	Severe Storm (DR-4231-NJ)	Yes	In Gloucester County, the Red Cross opened two comfort stations. Wind damage was most severe between Greenwich Township and Mantua Township. Lightning struck a refinery in Paulsboro, causing a loss of power and off-gas. In Wenonah, wind damage knocked down several massive oak trees. In Mantua, the microburst knocked down an estimated 2,800 trees and 100 poles. The Township’s Fire Department building was severely damaged. Wind also knocked down power poles in East Greenwich along Kings Highway. Roads throughout East Greenwich were impassable. Damage was estimated at \$10 million.	Although the County was impacted, the Borough did not report significant impacts.
January 22 – 24, 2016	Severe Winter Storm and Snowstorm (DR-4264-NJ)	Yes	Snow totals in Gloucester County included 21 inches in Deptford, 20.9 inches in Pitman, 17.5 inches in Turnersville, 14.5 inches in Williamstown, and one foot in Mullica Hill.	Although the County was impacted, the Borough did not report significant impacts.
March 6, 2018	Winter Storm	No	Gloucester County was hit with isolated heavy snow, with totals ranging from five inches in Pitman to 6.5 inches in West Deptford.	Although the County was impacted, the Borough did not report significant impacts.
January 20, 2020 – Present	Covid-19 Pandemic (EM-3451-NJ) (DR-4488-NJ)	Yes	Between March 1, 2020 and March 15, 2021, Gloucester County reported 21,065 confirmed cases of COVID-19, and 530 total fatalities.	The Borough was subject to closures and masking and social distancing requirements.



9.14.6.2 Hazard Ranking and Vulnerabilities

The hazard profiles in Section 4.1 (Identification of Hazards of Concern) of this plan have detailed information regarding each plan participant’s vulnerability to the identified hazards. The following summarizes the Borough of Newfield’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 Section 4 (Risk Assessment) of the plan. The ranking process involves an assessment of the likelihood of occurrence for each hazard, along with its potential impacts on people, property, and the economy as well as community capability and changing future climate conditions. This input supports the mitigation action development to target those hazards with highest level of concern.

As discussed in Section 4.4 (Hazard Ranking), each participating jurisdiction can have differing degrees of risk exposure and vulnerability compared with Gloucester County as a whole. The table below summarizes the hazard risk/vulnerability rankings of potential natural hazards for the Borough of Newfield. The Borough of Newfield reviewed the county hazard risk/vulnerability risk ranking table, including municipal-specific results, to reflect the relative risk of the hazards of concern to the community.

During the review of the hazard/vulnerability risk ranking, the Borough indicated the following:

- The Borough noted that hazardous materials is not a significant hazard and adjusted the hazard ranking from high to medium.
- The Borough noted that it has the ability to respond to severe storm events and adjusted the hazard ranking from high to medium.

Table 9.14-12. Hazard Ranking Input

Coastal Erosion	Dam/ Levee Failure	Disease Outbreak	Drought	Earthquake	Extreme Temp	Flood			
Low	Low	Low	Medium	Low	Medium	Low			
Flood	Geologic	Haz Mat	Hurricane	Invasive	Nor'Easter	Severe Storm	Severe Winter Storm	Wildfire	Utility Failure
Low	Low	Medium	Low	Low	Medium	Medium	Medium	Low	Medium

Note: The scale is based on the hazard rankings established in Section 4.4 (Hazard Ranking) and modified as appropriate during review by the jurisdiction.



Critical Facilities

The table below identifies critical facilities in the community located in the 1-percent and 0.2-percent floodplain and presents Hazus estimates of the damage and loss of use to critical facilities as a result of a 1-percent annual chance flood event.

Table 9.14-13. Potential Flood Losses to Critical Facilities

Name	Type	Lifeline?	Exposure		Comment
			1% Event	0.2% Event	
No critical facilities in the floodplain.					

Source: Gloucester County Planning Partners - 2021; HIFLD - 2020; EPA - 2021; FEMA 2016

9.14.6.3 Identified Issues

After review of the Borough of Newfield’s hazard event history, hazard rankings, jurisdiction specific vulnerabilities, hazard area extent and location, and current capabilities, the Borough of Newfield has identified the following vulnerabilities within their community:

- Three critical facilities (Edgarton Christian Academy, Water Tower, DPW Building) do not have any backup power to sustain operations during hazard events. As a result, these facilities are not adequately equipped to operate during hazard events. Because these facilities are critical and do provide essential services to the community, if operations were interrupted with a power outage, this could cause significant issue to the community.
- Historical Flooding on easterly Catawba Avenue at Franklin Township limit occurs during severe and short intense storm events. Farm runoff from Franklin Township causing flooding of Catawba Avenue causes property damage and hazardous driving conditions.
- Flooding on Nottingham Lane occurs during severe storms and Nor'easters resulting from storm water basin overloading.
- The municipality’s flood damage prevention ordinance is outdated and requires revisions and updating.
- The municipality does not have a disaster debris management plan.
- Frequent flooding events have resulted in damages to residential properties. These properties have been repetitively flooded as documented by paid NFIP claims. The municipality repetitive loss properties but other properties may be impacted by flooding as well.

9.14.7 Mitigation Strategy and Prioritization

This section discusses past mitigations actions and status, describes proposed hazard mitigation initiatives, and their prioritization.



9.14.7.1 Past Mitigation Initiative Status

The following table indicates progress on the community's mitigation strategy identified in the 2016 HMP. Actions that are carried forward as part of this plan update are included in the following subsection in its own table with prioritization. Previous actions that are now on-going programs and capabilities are indicated as such in the following table and are discussed in the 'Capability Assessment' presented previously in this annex.

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Table 9.14-14. Status of Previous Mitigation Actions

2016 Action Number and Action Description		Responsible Party	Status (In Progress, No Progress, Ongoing Capability, or Completed)	Include in the 2022 HMP? Check if Yes	Enter 2022 HMP Action #
MJ-1	Alleviate flooding at Catawba Avenue and Hazel Avenue.	OEM/DPW	Complete. DPW has completed maintenance cleaning of inlets and storm drains, flooding still occurs during severe storm events.	No	-
MJ-2	Alleviate flooding at Sandy Drive to address drainage issues between Route 40 and Fawn Drive.	OEM/DPW	Complete. DPW has completed maintenance cleaning of inlets and storm drains, flooding still occurs during severe storm events.	No	-
MJ-3	Alleviate flooding at Rosemont Avenue and West Boulevard.	NJDOT	Complete. County with Con Rail completed maintenance cleaning of inlets and storm drains crossing Cr615, flooding still occurs during severe storm events.	No	-
M-05	Install permanent back-up emergency power generator at Public Works building (CF-6).	OEM/DPW	No Progress. No Emergency Power at DPW.	Yes	2022 Borough of Newfield-001
M-06	Install permanent back-up emergency power generator at Water Tower (CF-9).	OEM/DPW	No Progress. No Emergency Power at Water Tower.	Yes	2022 Borough of Newfield-001
M-07	Install permanent back-up emergency power generator Edgerton Christian Academy (CF-10).	OEM/DPW	No Progress. No Emergency Power at Edgerton Christian Academy.	Yes	2022 Borough of Newfield-001
M-08	Engineering study to determine benefit of solar panel usage throughout Newfield Borough.	OEM/DPW	Complete. The party vendor presented preliminary study to the Borough of Newfield.	No	-
M-09	Develop tree removal / maintenance plan to reduce risk of power disruption and damage to critical facilities.	OEM/DPW	Ongoing Capability. Newfield has ongoing tree maintenance program.	No	-
M-10	Harden / construct protective infrastructure for outdoor garage at Public Works facility to protect municipal equipment (CF-6).	OEM/DPW	Complete. Borough of Newfield has ongoing DPW facility maintenance. Six-foot chain-link fence with barb wire and entrance gate installed.	No	-



9.14.7.2 Additional Mitigation Efforts

Other than routine maintenance activities and progress noted in Table 9.14-14, the Borough did not undertake any additional mitigation efforts in the last five years.

9.14.7.3 Proposed Hazard Mitigation Initiatives for the HMP Update

The Borough of Newfield participated in a mitigation action workshop in August 2021 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 Floodprone 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.

Table 9.14-15. Analysis of Mitigation Actions by Hazard and Category

Hazard	FEMA				CRS					
	LPR	SIP	NSP	EAP	PR	PP	PI	NR	SP	ES
Coastal Erosion	X	X			X				X	
Dam/ Levee	X	X			X				X	
Disease Outbreak	X	X			X				X	
Drought	X	X			X				X	
Earthquake	X	X			X				X	
Ext Temp	X	X			X				X	
Flood	X	X			X	X			X	
Geologic	X	X			X				X	
Hazmat	X	X			X				X	
Hurricane	X	X			X				X	
Invasive	X	X			X				X	
Nor'Easter	X	X			X				X	
Severe Storm	X	X			X				X	
Severe Winter Storm	X	X			X				X	
Wildfire	X	X			X				X	
Utility Failure	X	X			X				X	

Note: Section 6 (Mitigation Strategy) provides for an explanation of the mitigation categories.

The table below (Table 9.14-16) summarizes the comprehensive range of specific mitigation initiatives the Borough of Newfield would like to pursue in the future to reduce the effects of hazards. Some of these initiatives may be previous actions carried forward for this plan update. These 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 municipal priorities. Both the four FEMA mitigation action categories and the six CRS mitigation action categories are listed in the table below to further demonstrate the wide range of activities and mitigation measures selected.

As discussed in Section 6 (Mitigation Strategy), 14 evaluation/prioritization criteria are used 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 your actions as 'High', 'Medium', or 'Low.' The table below summarizes the evaluation of each mitigation initiative, listed by Action Number.

Table 9.14-17 provides a summary of the prioritization of all proposed mitigation initiatives for the HMP update.

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Table 9.14-16. Proposed Hazard Mitigation Initiatives and Associated Priority

Project Number	Mitigation Initiative Name	Description of Problem and Solution	New or Existing Assets?	Hazard(s) to be Mitigated	Goals Met	Estimated Timeline	Lead and Support Agencies	Potential Funding Sources	Estimated Benefits	Estimated Costs	Timeline	Priority	Mitigation Category	CRS Category
2022 Borough of Newfield-001	Generators for Critical Facilities	<p>Problem: Three Critical Facilities (Edgarton Christian Academy, Water Tower, DPW Building) do not have any backup power to sustain operations during hazard events. As a result, these facilities are not adequately equipped to operate during hazard events. Because these facilities are critical and provide essential services to the community, if operations are interrupted with a power outage, it could cause significant issues for the community.</p> <p>Solution: The DPW shall work with each facility manager to determine the adequate backup power needed to power the entire facility. The generators will be permanent and will require a site assessment to determine the best location to be placed. The DPW shall coordinate these efforts with each facility manager and help secure adequate funding to purchase and install the generators.</p>	New	All	1,,	2 years	Facility managers and DPW	Municipal Budget and HMGP	High	100,000-500,000/ each	6 months once energy needs are determined and fully planned and funding secured	High	SIP	SP
2022 Borough of Newfield-002	Flood Mitigation along Catawba Ave.	<p>Problem: Historical Flooding on easterly Catawba Avenue at the Franklin township limit occurs during severe and short, intense storm events. Farm runoff from Franklin Township results in flooding of Catawba Avenue and</p>	New	Flood	1,2,3	2 years	Newfield, Franklin, and USDA	HMGP	Flood Mitigation	High	2 years once funding secured	High	SIP	SP



Project Number	Mitigation Initiative Name	Description of Problem and Solution	New or Existing Assets?	Hazard(s) to be Mitigated	Goals Met	Estimated Timeline	Lead and Support Agencies	Potential Funding Sources	Estimated Benefits	Estimated Costs	Timeline	Priority	Mitigation Category	CRS Category
		causes property damage and hazardous driving conditions. Solution: The municipality is currently coordinating with Franklin township and USDA for NRCS corrective action, design assistance and funding to develop a better stormwater system to reduce flooding and runoff. Once the plan is complete, the municipality looks to apply for funding to implement the design.												
2022 Borough of Newfield-003	Flood Mitigation Along Nottingham Lane	Problem: Storm water basin overloading causes flooding on Nottingham Lane and g occurs during severe storms and Nor'easters. Solution: Borough of Newfield retains project bond funds, scheduling to perform field engineering test pits to determine presence of restrictive soil horizons and site conditions. Corrective action will be determined in collaboration with the HOA, Borough of Newfield and Developer, Additional funding might be necessary as project progresses	New	Flood	1, 2, 4, 6	3 years	Developer, HOA, Design Engineer	BRIC/HMGP	Flood Mitigation	High	2 years once funding secured	High	SIP	SP
2022 Borough of	FDPO Update	Problem: The municipality's flood damage prevention ordinance is outdated and requires revisions and updating.	Existing	Flood	All	1-5 years	State of NJ and Borough Administration	Municipal Budget	Compliance	0-100 dollars	6 months once contacted by state.	High	LP R	PR



Project Number	Mitigation Initiative Name	Description of Problem and Solution	New or Existing Assets?	Hazard(s) to be Mitigated	Goals Met	Estimated Timeline	Lead and Support Agencies	Potential Funding Sources	Estimated Benefits	Estimated Costs	Timeline	Priority	Mitigation Category	CRS Category
Newfield-004		Solution: The Borough Board and Administration as well as the NFIP Administrator shall work together to update their FDPO once contacted by the state. The state shall work with municipality to provide updated guidance and model ordinance as needed.												
2022 Borough of Newfield-005	Disaster Debris Management Plan	Problem: The municipality does not have a disaster debris management plan. Solution: The municipality would need to develop a disaster debris management plan to facilitate the cleanup process post disaster. This plan can be developed by the municipality and does not require external assistance, however, coordination with neighboring municipalities and stakeholders might be necessary.	New	All	All	2 years	Various Departments and Borough Board	Municipal Budget	High	Low	1 year once funding secured	High	LP R	PR
2022 Borough of Newfield-006	Rep Loss Outreach	Problem: Frequent flooding events have resulted in damages to residential properties. These properties have been repetitively flooded as documented by paid NFIP claims. The municipality has repetitive loss properties, but other properties may be impacted by flooding as well.	Existing	Flood	1,2, 5	5 years	Borough Administration	Municipal Budget	FMA, HMGP	Low	5 years	High	SIP	PP



Project Number	Mitigation Initiative Name	Description of Problem and Solution	New or Existing Assets?	Hazard(s) to be Mitigated	Goals Met	Estimated Timeline	Lead and Support Agencies	Potential Funding Sources	Estimated Benefits	Estimated Costs	Timeline	Priority	Mitigation Category	CRS Category
		Solution: Conduct outreach to flood-prone property owners, including RL/SRL property owners and provide information on mitigation alternatives. After preferred mitigation measures are identified, collect required property-owner information and develop a FEMA grant application and BCA to obtain funding to implement acquisition/purchase/moving/elevating residential homes in the flood prone areas that experience frequent flooding (high risk areas).												

Notes:

Not all acronyms and abbreviations defined below are included in the table.

Acronyms and Abbreviations:

- CAV Community Assistance Visit
- CRS Community Rating System
- DPW Department of Public Works
- EHP Environmental Planning and Historic Preservation
- FEMA Federal Emergency Management Agency
- FPA Floodplain Administrator
- HMA Hazard Mitigation Assistance
- N/A Not applicable
- NFIP National Flood Insurance Program
- OEM Office of Emergency Management

Potential FEMA HMA Funding Sources:

- FMA Flood Mitigation Assistance Grant Program
- HMGP Hazard Mitigation Grant Program
- BRIC Building Resilient Infrastructure and Communities Program

Timeline:

The time required for completion of the project upon implementation

Cost:

The estimated cost for implementation.

Benefits:

A description of the estimated benefits, either quantitative and/or qualitative.

Mitigation Category:



- *Local Plans and Regulations (LPR)* – These actions include government authorities, policies or codes that influence the way land and buildings are being developed and built.
- *Structure and Infrastructure Project (SIP)* - These actions involve modifying existing structures and infrastructure to protect them from a hazard or remove them from a hazard area. This could apply to public or private structures as well as critical facilities and infrastructure. This type of action also involves projects to construct manmade structures to reduce the impact of hazards.
- *Natural Systems Protection (NSP)* – These are actions that minimize damage and losses, and also preserve or restore the functions of natural systems.
- *Education and Awareness Programs (EAP)* – These are actions to inform and educate citizens, elected officials, and property owners about hazards and potential ways to mitigate them. These actions may also include participation in national programs, such as StormReady and Firewise Communities.

CRS Category:

- *Preventative Measures (PR)* - Government, administrative or regulatory actions, or processes that influence the way land and buildings are developed and built. Examples include planning and zoning, floodplain local laws, capital improvement programs, open space preservation, and storm water management regulations.
- *Property Protection (PP)* - These actions include public activities to reduce hazard losses or actions that involve (1) modification of existing buildings or structures to protect them from a hazard or (2) removal of the structures from the hazard area. Examples include acquisition, elevation, relocation, structural retrofits, storm shutters, and shatter-resistant glass.
- *Public Information (PI)* - Actions to inform and educate citizens, elected officials, and property owners about hazards and potential ways to mitigate them. Such actions include outreach projects, real estate disclosure, hazard information centers, and educational programs for school-age children and adults.
- *Natural Resource Protection (NR)* - Actions that minimize hazard loss and also preserve or restore the functions of natural systems. These actions include sediment and erosion control, stream corridor restoration, watershed management, forest and vegetation management, and wetland restoration and preservation.
- *Structural Flood Control Projects (SP)* - Actions that involve the construction of structures to reduce the impact of a hazard. Such structures include dams, setback levees, floodwalls, retaining walls, and safe rooms.
- *Emergency Services (ES)* - Actions that protect people and property during and immediately following a disaster or hazard event. Services include warning systems, emergency response services, and the protection of essential facilities.

Table 9.14-17. Summary Evaluation and Action Priority

Project Number	Project Name	Life Safety	Property Protection	Cost-Effectiveness	Technical	Political	Legal	Fiscal	Environmental	Social	Administrative	Multi-Hazard	Timeline	Agency Champion	Other Community Objectives	Total	High / Medium / Low
2022 Borough of Newfield-001	Generators for Critical Facilities	1	1	1	1	1	1	-1	0	1	1	1	1	1	1	11	High
2022 Borough of Newfield-002	Flood Mitigation along Catawba Ave.	1	1	1	1	1	1	-1	1	1	1	0	1	1	1	11	High
2022 Borough of Newfield-003	Flood Mitigation Along Nottingham Lane	1	1	1	1	1	1	-1	1	1	1	0	1	1	1	11	High



Project Number	Project Name	Life Safety	Property Protection	Cost-Effectiveness	Technical	Political	Legal	Fiscal	Environmental	Social	Administrative	Multi-Hazard	Timeline	Agency Champion	Other Community Objectives	Total	High / Medium / Low
2022 Borough of Newfield-004	FDPO Update	1	1	1	1	1	1	1	1	1	1	1	1	1	1	14	High
2022 Borough of Newfield-005	Disaster Debris Management Plan	1	1	1	1	1	1	1	1	1	1	1	1	1	1	14	High
2022 Borough of Newfield-006	Rep Loss Outreach	1	1	1	1	1	1	0	1	0	0	0	0	1	1	9	High

Note: Section 6 (Mitigation Strategy), which conveys guidance on prioritizing mitigation actions.
Low (0-4), Medium (5-8), High (9-14).

▲ This action has been identified as being of highest importance to the municipality and an action that the municipality would like to complete as soon as funding is received.

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9.14.8 Action Worksheets

The following action worksheets have been developed by the Borough of Newfield to aid in the submittal of grant applications to support the funding of high priority proposed actions. The State of New Jersey requires at least two projects be developed with action worksheets.

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Action Worksheet			
Project Name:	Generators for Critical Facilities		
Project Number:	2022 Borough of Newfield-001		
Risk / Vulnerability			
Hazard(s) of Concern:	All		
Description of the Problem:	Problem: Three Critical Facilities (Edgarton Christian Academy, Water Tower, DPW Building) do not have any backup power to sustain operations during hazard events. As a result, these facilities are not adequately equipped to operate during hazard events. Because these facilities are critical and do provide essential services to the community, if operations were interrupted with a power outage, this could cause significant issue to the community.		
Action or Project Intended for Implementation			
Description of the Solution:	Solution: The DPW shall work with each facility manager to determine the adequate backup power needed to power the entire facility. The generators will be permanent and will require site assessment to determine the best location that the new asset will be placed. The DPW shall coordinate these efforts with each facility manager and help secure adequate funding to purchase and install the generators.		
Is this project related to a Critical Facility?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Is this project related to a Critical Facility located within the 100-year floodplain?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
(If yes, this project must intend to protect to the 500-year flood event or the actual worse case damage scenario, whichever is greater)			
Level of Protection:	500-year storm	Estimated Benefits (losses avoided):	Continued Operation
Useful Life:	20 years	Goals Met:	1,2
Estimated Cost:	100-500,000/ each	Mitigation Action Type:	Structural and Infrastructure Project
Plan for Implementation			
Prioritization:	High	Desired Timeframe for Implementation:	6 months once plans made and funding secured
Estimated Time Required for Project Implementation:	2 years	Potential Funding Sources:	HMGP
Responsible Organization:	Town DPW and Facility Manager	Local Planning Mechanisms to be Used in Implementation if any:	Structural and Infrastructure Project
Three Alternatives Considered (including No Action)			
Alternatives:	Action	Estimated Cost	Evaluation
	No Action	\$0	Problem continues.
	Install solar	High	Dependent on weather
	Install generator	High	Best long-term solution
Progress Report (for plan maintenance)			
Date of Status Report:			
Report of Progress:			
Update Evaluation of the Problem and/or Solution:			



Evaluation and Prioritization		
Project Name:	Generators for Critical Facilities	
Project Number:	2022 Borough of Newfield-001	
Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	This project protects life
Property Protection	1	This project protects property
Cost-Effectiveness	1	This project is most cost effective
Technical	1	There are no technical issues
Political	1	There are no political issues
Legal	1	There are no legal complications
Fiscal	-1	Additional Funding is needed
Environmental	0	Has no adverse impact
Social	1	Has positive impact on society
Administrative	1	No administrative issues
Multi-Hazard	1	This addresses multiple hazards
Timeline	1	The timeline is feasible
Agency Champion	1	The town DPW/Facility Manager
Other Community Objectives	1	Safety
Total	11	
Priority (High/Med/Low)	High	



Action Worksheet			
Project Name:	Flood Mitigation along Catawba Ave.		
Project Number:	2022 Borough of Newfield-002		
Risk / Vulnerability			
Hazard(s) of Concern:	Flood		
Description of the Problem:	Problem: Historical Flooding on easterly Catawba Avenue at Franklin township limit occurs during severe and short intense storm events. Farm runoff from Franklin Township causing flooding of Catawba Avenue causes property damage and hazardous driving conditions.		
Action or Project Intended for Implementation			
Description of the Solution:	Solution: The municipality is currently coordinating with Franklin township and USDA for NRCS corrective action, design assistance and funding to develop a better stormwater system to reduce flooding and runoff. Once the plan is complete, the municipality looks to apply for funding to implement the design.		
Is this project related to a Critical Facility?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Is this project related to a Critical Facility located within the 100-year floodplain?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
(If yes, this project must intend to protect to the 500-year flood event or the actual worse case damage scenario, whichever is greater)			
Level of Protection:	500-year storm	Estimated Benefits (losses avoided):	Flooding Prevention
Useful Life:	20 years	Goals Met:	1,2
Estimated Cost:	High	Mitigation Action Type:	Structural and Infrastructure Project
Plan for Implementation			
Prioritization:	High	Desired Timeframe for Implementation:	2 years once funding secured
Estimated Time Required for Project Implementation:	2 years	Potential Funding Sources:	HMGP/ BRIC
Responsible Organization:	DPW	Local Planning Mechanisms to be Used in Implementation if any:	Hazard Mitigation
Three Alternatives Considered (including No Action)			
Alternatives:	Action	Estimated Cost	Evaluation
	No Action	\$0	Problem continues.
	Close Road	High	Infeasible
	Retention Basin	High	Feasible
Progress Report (for plan maintenance)			
Date of Status Report:			
Report of Progress:			
Update Evaluation of the Problem and/or Solution:			



Evaluation and Prioritization		
Project Name:	Flood Mitigation along Catawba Ave.	
Project Number:	2022 Borough of Newfield-002	
Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	This project protects life
Property Protection	1	This project protects property
Cost-Effectiveness	1	This project is most cost effective
Technical	1	There are no technical issues
Political	1	There are no political issues
Legal	1	There are no legal complications
Fiscal	-1	Additional Funding is needed
Environmental	1	Has a positive impact on environment
Social	1	Has positive impact on society
Administrative	1	No administrative issues
Multi-Hazard	0	This addresses a single hazard
Timeline	1	The timeline is feasible
Agency Champion	1	The town DOW/ OEM
Other Community Objectives	1	Safety
Total	11	
Priority (High/Med/Low)	High	



Action Worksheet			
Project Name:	Flood Mitigation Along Nottingham Lane		
Project Number:	2022 Borough of Newfield-003		
Risk / Vulnerability			
Hazard(s) of Concern:	Flood		
Description of the Problem:	Problem: Flooding on Nottingham lane occurs during severe storms and Nor'easters resulting from storm water basin overloading. Progress		
Action or Project Intended for Implementation			
Description of the Solution:	Solution: Borough of Newfield retains project bond funds, scheduling to perform field engineering test pits to determine presence of restrictive soil horizons and site conditions. Coordinating with HOA, Borough of Newfield and Developer, corrective action to be determined. Additional funding might be necessary as project progresses		
Is this project related to a Critical Facility?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Is this project related to a Critical Facility located within the 100-year floodplain?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
(If yes, this project must intend to protect to the 500-year flood event or the actual worse case damage scenario, whichever is greater)			
Level of Protection:	500-year storm	Estimated Benefits (losses avoided):	Flooding Prevention
Useful Life:	20 years	Goals Met:	1,2
Estimated Cost:	500,000	Mitigation Action Type:	Structural and Infrastructure Project
Plan for Implementation			
Prioritization:	High	Desired Timeframe for Implementation:	2 years once funding secured
Estimated Time Required for Project Implementation:	3 years	Potential Funding Sources:	HMG/ BRIC
Responsible Organization:	DPW	Local Planning Mechanisms to be Used in Implementation if any:	Hazard Mitigation
Three Alternatives Considered (including No Action)			
Alternatives:	Action	Estimated Cost	Evaluation
	No Action	\$0	Problem continues.
	Close Road	High	Infeasible
	Retention Basin	High	Feasible
Progress Report (for plan maintenance)			
Date of Status Report:			
Report of Progress:			
Update Evaluation of the Problem and/or Solution:			



Evaluation and Prioritization		
Project Name:	Flood Mitigation Along Nottingham Lane	
Project Number:	2022 Borough of Newfield-003	
Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	This project protects life
Property Protection	1	This project protects property
Cost-Effectiveness	1	This project is most cost effective
Technical	1	There are no technical issues
Political	1	There are no political issues
Legal	1	There are no legal complications
Fiscal	-1	Additional Funding is needed
Environmental	1	Has a positive impact on environment
Social	1	Has positive impact on society
Administrative	1	No administrative issues
Multi-Hazard	0	This addresses a single hazard
Timeline	1	The timeline is feasible
Agency Champion	1	The town DOW/ OEM
Other Community Objectives	1	Safety
Total	11	
Priority (High/Med/Low)	High	



Action Worksheet			
Project Name:	Rep Loss Outreach		
Project Number:	2022 Borough of Newfield-006		
Risk / Vulnerability			
Hazard(s) of Concern:	Flood		
Description of the Problem:	Frequent flooding events have resulted in damages to residential properties. These properties have been repetitively flooded as documented by paid NFIP claims. The Town has repetitive loss properties, but other properties may be impacted by flooding as well.		
Action or Project Intended for Implementation			
Description of the Solution:	Conduct outreach to flood-prone property owners, including RL/SRL property owners and provide information on mitigation alternatives. After preferred mitigation measures are identified, collect required property-owner information and develop a FEMA grant application and BCA to obtain funding to implement acquisition/purchase/moving/elevating residential homes in the flood prone areas that experience frequent flooding (high risk areas).		
Is this project related to a Critical Facility or Lifeline?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Is this project related to a Critical Facility located within the 100-year floodplain?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Level of Protection:	1% annual chance flood event + freeboard (<i>in accordance with flood ordinance</i>)	Estimated Benefits (losses avoided):	Eliminates flood damage to homes and residents, creates open space for the municipality increasing flood storage.
Useful Life:	Acquisition: Lifetime Elevation: 30 years (residential)	Goals Met:	1, 3
Estimated Cost:	\$3Million	Mitigation Action Type:	Structure and Infrastructure Project
Plan for Implementation			
Prioritization:	High	Desired Timeframe for Implementation:	5 years
Estimated Time Required for Project Implementation:	5 Years	Potential Funding Sources:	FEMA HMGP and FMA, local cost share by residents
Responsible Organization:	Borough Administration supported by homeowners	Local Planning Mechanisms to be Used in Implementation if any:	Hazard Mitigation
Three Alternatives Considered (including No Action)			
Alternatives:	Action	Estimated Cost	Evaluation
	No Action	\$0	Current problem continues
	Elevate homes	\$500,000	When this area floods, the entire area is impacted; elevating homes would not eliminate the problem and still lead to road closures and impassable roads
	Elevate roads	\$500,000	Elevated roadways would not protect the homes from flood damages
Progress Report (for plan maintenance)			
Date of Status Report:			
Report of Progress:			
Update Evaluation of the Problem and/or Solution:			



Action Worksheet		
Project Name:	Rep Loss Outreach	
Project Number:	2022 Borough of Newfield-006	
Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	Families moved out of high-risk flood areas.
Property Protection	1	Properties removed from high-risk flood areas.
Cost-Effectiveness	1	Cost-effective project
Technical	1	Technically feasible project
Political	1	
Legal	1	The Borough has the legal authority to conduct the project.
Fiscal	0	Project will require grant funding.
Environmental	1	
Social	0	Project would remove families from the flood prone areas of the Borough.
Administrative	0	
Multi-Hazard	0	Flood
Timeline	0	
Agency Champion	1	NFIP Floodplain Administrator, supported by homeowners
Other Community Objectives	1	
Total	9	
Priority (High/Med/Low)	High	