



14. BOROUGH OF HOPATCONG

This jurisdictional annex to the Sussex County Hazard Mitigation Plan (HMP) provides information to assist public and private sectors in the Borough of Hopatcong with reducing losses from future hazard events. This annex is not guidance of what to do when a disaster occurs; its focus is on actions that can be implemented prior to a disaster to reduce or eliminate damage to property and people. The annex presents a general overview of Hopatcong, describes who participated in the planning process, assesses Hopatcong's risk, vulnerability, and capabilities, and outlines a strategy for achieving a more resilient community.

14.1 HAZARD MITIGATION PLANNING TEAM

The Borough of Hopatcong identified primary and alternate HMP points of contact and developed this plan over the course of several months, with input from many Borough departments. The Emergency Management Coordinator represented the community on the Sussex County HMP Planning Partnership and supported the local planning process 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.

Table 14-1 summarizes Borough officials who participated in the development of the annex and in what capacity. Additional documentation of the Borough's planning activities through Planning Partnership meetings is included in Volume I.

Table 14-1. Hazard Mitigation Planning Team

Primary Point of Contact	Alternate Point of Contact
Name/Title: Wade Crowley / EMC Address: 111 River Styx Road Hopatcong, NJ 07843 Phone Number: (973) 390-0988 Email: wcrowley@hopatcong.org	Name/Title: Ron Tappan / Borough Administrator Address: 111 River Styx Road Hopatcong, NJ 07843 Phone Number: (973) 770-1200 Email: rtappan@hopatcong.org
National Flood Insurance Program Floodplain Administrator	
Name/Title: John Ruschke / Engineer Address: 412 Mount Kimble Avenue, Morristown, NJ 7960 Phone Number: (908) 238-5000 Email: john.ruschke@mottmac.com	
Additional Contributors	
Name/Title: Wade Crowley / EMC Method of Participation: Provided information on previous events, action status updates, permit information, and NFIP information. Reviewed final draft annex and completed sign off sheet.	
Name/Title: Bill O'Connor / Construction Official Method of Participation: Reviewed final draft annex and completed sign off sheet.	
Name/Title: Pat Mason / Public Works Superintendent Method of Participation: Reviewed final draft annex and completed sign off sheet.	
Name/Title: Valerie Egan / Municipal Clerk Method of Participation: Reviewed final draft annex and completed sign off sheet.	
Name/Title: Marie Galate / Mayor Method of Participation: Reviewed final draft annex and completed sign off sheet.	



Name/Title: John Ruschke / Engineer

Method of Participation: Reviewed final draft annex and completed sign off sheet.

Name/Title: Meghan McCluskey / Police Chief

Method of Participation: Reviewed final draft annex and completed sign off sheet.

Name/Title: Joseph Vuich / Planner

Method of Participation: Reviewed final draft annex and completed sign off sheet.

14.2 COMMUNITY PROFILE

Hopatcong Borough is located in southwestern Sussex County. It is bordered to the north by Sparta Township, to the east and south by Morris County, and to the west by Byram Township and Stanhope Borough. The Borough has a total area of 12.4 square miles. The following unincorporated communities are located within the Borough: Northwood, Byram Cover, Sperry Springs, Bonaparte Landing, Hopatcong Hills, and Hopatcong Heights. Streams in the Borough include: the Musconetcong River which makes up the eastern border of the Borough, and Lubbers Run. A portion of Lake Hopatcong is found in eastern Hopatcong Borough. According to the U.S. Census, the 2020 population for Hopatcong was 14,362, a 5.1-percent decrease from the 2010 Census.

Research has shown that some populations are at greater risk from hazard events because of decreased resources or physical abilities. These populations can be more susceptible to hazard events based on a number of factors including their physical and financial ability to react or respond during a hazard, and the location and construction quality of their housing. Data from the 2021 American Community Survey 5-Year Population Estimates indicates that 9.2-percent of the population is 5 years of age or younger, 7.9-percent is 65 years of age or older, 17.6-percent is non-English speaking, 8.6-percent is below the poverty threshold, and 9.7-percent is considered disabled.

The Steering Committee also identified households that are above the Federal Poverty Level, but earn less than the basic cost of living as socially vulnerable. For the Borough of Hopatcong, 23-percent of households earn less than the basic cost of living and are considered socially vulnerable (ALICE 2023).

Communities must deploy a support system that enables all populations to safely reach shelters or to quickly evacuate a hazard area.

14.3 JURISDICTIONAL CAPABILITY ASSESSMENT AND INTEGRATION

Hopatcong performed an inventory and analysis of existing capabilities, plans, programs, and policies that enhance its ability to implement mitigation strategies. Volume I describes the components included in the capability assessment and their significance for hazard mitigation planning. The jurisdictional assessment for this annex includes analyses of the following:

- Planning and regulatory capabilities
- Development and permitting capabilities
- Administrative and technical capabilities
- Fiscal capabilities
- Education and outreach capabilities
- Classification under various community mitigation programs
- Adaptive capacity to withstand hazard events



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

14.3.1 Planning and Regulatory Capability and Integration

Table 14-2 summarizes the planning and regulatory tools that are available to Hopatcong.

Table 14-2. Planning and Regulatory Capability and Integration

	Jurisdiction has this? (Yes/No)	Citation and Date (code chapter or name of plan, date of enactment or plan adoption)	Authority (local, county, state, federal)	Responsible Person, Department or Agency
CODES, ORDINANCES, & REGULATIONS				
Building Code	Yes	International Building Code – New Jersey Edition, 2018, NJAC 5:24-3.14 Adopted 9/3/2019; State Uniform Construction Code Act (N.J.S. 52:27D-119 et seq.)	State & Local	Construction Official
How has or will this be integrated with the HMP and how does this reduce risk? <i>The building code provides guidance on how to design, build, and operate buildings. Modern building codes lead to major reductions in property losses from natural disasters.</i>				
Zoning/Land Use Code	Yes	State of NJ Municipal Land Use Law (MLUL) L. 1975, s. 2, eff Aug 1, 1976, 40-55D-62: 49; Chapter 242- Zoning.	Local	Zoning Department
How has or will this be integrated with the HMP and how does this reduce risk? <i>Power to zone, requires all jurisdictions to have current zoning and other land development ordinances after the planning board has adopted the land use element and master plan.</i>				
Subdivision Code	Yes	P.L.1975, c.291 (C.40:55D-47); 40:55D-37; Chapter 209- Subdivision of Land.	Local	Land Use Board
How has or will this be integrated with the HMP and how does this reduce risk? <i>The governing body may by ordinance require approval of subdivision plats by resolution of the planning board as a condition for the filing of such plats with the county recording officer and approval of site plans by resolution of the planning board as a condition for the issuance of a permit for any development, except that subdivision or individual lot applications for detached one or two dwelling-unit buildings shall be exempt from such site plan review and approval; provided that the resolution of the board of adjustment shall substitute for that of the planning board whenever the board of adjustment has jurisdiction over a subdivision or site plan pursuant to subsection 63b. of this act . Dictated by the Municipal Land Use Law. NJ Statute 40:27-6.2 - the board of commissioners of any county having a county planning board shall provide for the review of all subdivisions of land within the county by said county planning board and for the approval of those subdivisions affecting county road or drainage facilities as set forth and limited hereinafter in this section.</i>				
Site Plan Code	Yes	Municipal Land Use Law, NJ Statute 40:27-6.2; Chapter 191- Site Plan Review.	State, County & Local	Land Use Board
How has or will this be integrated with the HMP and how does this reduce risk? <i>The board of commissioners of any county having a county planning board shall provide for the review of all subdivisions of land within the county by said county planning board and for the approval of those subdivisions</i>				



	Jurisdiction has this? (Yes/No)	Citation and Date (code chapter or name of plan, date of enactment or plan adoption)	Authority (local, county, state, federal)	Responsible Person, Department or Agency
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affecting county road or drainage facilities as set forth and limited hereinafter in this section. 40:27-6.10 In order that county planning boards shall have a complete file of the planning and zoning ordinances of all municipalities in the county, each municipal clerk shall file with the county planning board a copy of the planning and zoning ordinances of the municipality in effect on the effective date of this act and shall notify the county planning board of the introduction of any revision or amendment of such an ordinance which affects lands adjoining county roads or other county lands, or lands lying within 200 feet of a municipal boundary, or proposed facilities or public lands shown on the county master plan or official county map. Such notice shall be given to the county planning board at least 10 days prior to the public hearing thereon by personal delivery or by certified mail of a copy of the official notice of the public hearing together with a copy of the proposed ordinance.

Stormwater Management Code	Yes	Title 7 of the NJ Administrative Code, N.J.A.C. 7:8; Chapter 242 – Zoning, Stormwater Management Requirements.	State & Local	Engineering Department
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How has or will this be integrated with the HMP and how does this reduce risk?

The Borough's code contains a section regarding stormwater management in accordance with NJDEP. It is found in Chapter 242 (Zoning) of the municipal code. The purpose of the code is to establish minimum stormwater management requirements and controls for major development in the Borough. Design standards for stormwater management measures should be designed to take into account existing site conditions including environmentally critical areas; wetlands; flood-prone areas; slopes; depth to seasonal high-water table; soil type, permeability, and texture; drainage area and drainage patterns; and the presence of solution-prone carbonate rocks (limestone).

Post-Disaster Recovery/ Reconstruction Code	No	-	-	-
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How has or will this be integrated with the HMP and how does this reduce risk?

Real Estate Disclosure Requirements	Yes	Senate Bill 3110; P. L. 2023, c. 93, July 3, 2023	State	Sellers and Landlords of commercial or residential property
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How has or will this be integrated with the HMP and how does this reduce risk?

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.

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.

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.

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



	Jurisdiction has this? (Yes/No)	Citation and Date (code chapter or name of plan, date of enactment or plan adoption)	Authority (local, county, state, federal)	Responsible Person, Department or Agency
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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.

The disclosure statement must contain the heading "Flood Risk" and ask the seller the following questions:

- 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?*

Not all provisions of this law have become effective at the time of the writing of this plan.

Growth Management	Yes	Zoning Ordinance; Plan Endorsement Process via the State Development & Redevelopment Plan	State	Administration
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How has or will this be integrated with the HMP and how does this reduce risk?

Plan provides for the delineation of Growth Areas and Environs; Use of the endorsed plans in the implementation of state environmental regulations makes the Plan Endorsement process a growth management strategy. The Administration is responsible for these ordinances, which are due to Highlands.

Environmental Protection Ordinance(s)	Yes	Chapter 143-Lawn Fertilizers, October 3, 1999; Chapter 147-Littering, August 4, 1983; Chapter 154-Natural Area Preserve, May 5, 1994.	Local	Code Official
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How has or will this be integrated with the HMP and how does this reduce risk?

The purpose of chapter 143 is regulates lawn fertilizers to mitigate contaminates in surface water from entering the lakes and parks. This chapter improves and maintains surface water quality and lake resources to protect public health.

The purpose of chapter 147 is defining liter for further regulations on contaminates from entering waterways and greenspaces to protect public health.

The purpose of chapter 154 is to establish the preservation of land use for natural area to promote public health, prosperity, and general welfare.

Flood Damage Prevention Ordinance	Yes	Chapter 124-Floodplain Management	Federal, State & Local	Construction Official or Designee
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How has or will this be integrated with the HMP and how does this reduce risk?

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:

- Protect human life and health;*



	Jurisdiction has this? (Yes/No)	Citation and Date (code chapter or name of plan, date of enactment or plan adoption)	Authority (local, county, state, federal)	Responsible Person, Department or Agency
<ul style="list-style-type: none"> Minimize expenditure of public money for costly flood control projects; Minimize the need for rescue and relief efforts associated with flooding and generally undertaken at the expense of the general public; Minimize prolonged business interruptions; 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; 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; Ensure that potential buyers are notified that property is in an area of special flood hazard; Ensure that those who occupy the areas of special flood hazard assume responsibility for their actions. <p>The Flood Damage Prevention Ordinance lacks the state mandated freeboard requirement.</p>				
Wellhead Protection	No	-	-	-
How has or will this be integrated with the HMP and how does this reduce risk?				
Emergency Management Ordinance	No	-	-	-
How has or will this be integrated with the HMP and how does this reduce risk?				
Climate Change Ordinance	No	-	-	-
How has or will this be integrated with the HMP and how does this reduce risk?				
Other: Municipal Separate Storm Sewer System (MS4)	Yes	Chapter 203-Storm Sewer System	Local	Engineering Department
<p>How has or will this be integrated with the HMP and how does this reduce risk?</p> <p>The purpose of chapter 203 is to prohibit the spilling, disposal, or dumping of materials other than stormwater to the municipal separate storm sewer system (MS4) operated by the Borough.</p>				
PLANNING DOCUMENTS				
General/Comprehensive Plan	Yes	2018 Revised NJ Statute 40:27-2; Borough of Hopatcong Highlands Area Master Plan Element, 2012	Local	Land Use Board
<p>How has or will this be integrated with the HMP and how does this reduce risk?</p> <p>Several objectives of the plan align with those identified in the HMP update.</p> <p>Portions of the Borough are in the Highlands Regions. The Borough is included in the Highlands Regional Master Plan and supports elements and objectives of the overall master plan.</p>				
Capital Improvement Plan	No	-	-	-
How has or will this be integrated with the HMP and how does this reduce risk?				
Disaster Debris Management Plan	No	-	-	-
How has or will this be integrated with the HMP and how does this reduce risk?				
Floodplain Management or Watershed Plan	No	-	-	-
How has or will this be integrated with the HMP and how does this reduce risk?				



	Jurisdiction has this? (Yes/No)	Citation and Date (code chapter or name of plan, date of enactment or plan adoption)	Authority (local, county, state, federal)	Responsible Person, Department or Agency
Stormwater Management Plan	Yes	Municipal Stormwater Management Plan, March 2005	Local	Public Works

How has or will this be integrated with the HMP and how does this reduce risk?

These rules set forth the required components of regional and municipal stormwater management plans and establish the stormwater management design and performance standards for new (proposed) development. The design and performance standards for new development include groundwater recharge, runoff quantity controls, and runoff quality controls. The rules emphasize, as a primary consideration, the use of nonstructural stormwater management techniques including minimizing disturbance, minimizing impervious surfaces, minimizing the use of stormwater pipes, preserving natural drainage features, etc. The rules also set forth requirements for groundwater recharge, stormwater runoff quantity control, stormwater runoff quality control, and the prohibition of major development to be located within or to discharge runoff from the major development into a 300-foot riparian zone without prior authorization from the Department under the Flood Hazard Area Control Act Rules, N.J.A.C. 7:13.

Stormwater Pollution Prevention Plan	Yes	Stormwater Pollution Prevention Plan, revised October 18, 2021	Local	Yes
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How has or will this be integrated with the HMP and how does this reduce risk?

The Borough of Hopatcong Stormwater Pollution Plan (2021) includes all of the maintenance and permit forms for stormwater management and maintenance to control pollution entering the waterways through stormwater infrastructure.

Open Space Plan	Yes	Open Space and Recreation Plan Update, 2011.	Local	Open Space Department
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How has or will this be integrated with the HMP and how does this reduce risk?

The Open Space Plan was last updated in 2011. This plan promotes the conservation of open space within the Borough and promotes protection of the environment, improves the communities quality of life, and preserves natural and cultural assets for the Borough.

Urban Water Management Plan	No	-	-	-
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How has or will this be integrated with the HMP and how does this reduce risk?

Habitat Conservation Plan	No	-	-	-
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How has or will this be integrated with the HMP and how does this reduce risk?

Economic Development Plan	No	-	-	-
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How has or will this be integrated with the HMP and how does this reduce risk?

Shoreline Management Plan	No	-	-	-
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How has or will this be integrated with the HMP and how does this reduce risk?

Community Wildfire Protection Plan	No	-	-	-
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How has or will this be integrated with the HMP and how does this reduce risk?

Community Forest Management Plan	No	-	-	-
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How has or will this be integrated with the HMP and how does this reduce risk?





	Jurisdiction has this? (Yes/No)	Citation and Date (code chapter or name of plan, date of enactment or plan adoption)	Authority (local, county, state, federal)	Responsible Person, Department or Agency
Transportation Plan How has or will this be integrated with the HMP and how does this reduce risk?	No	-	-	-
Agriculture Plan How has or will this be integrated with the HMP and how does this reduce risk?	No	-	-	-
Climate Action/ Resilience/Sustainability Plan How has or will this be integrated with the HMP and how does this reduce risk?	No	-	-	-
Tourism Plan How has or will this be integrated with the HMP and how does this reduce risk?	No	-	-	-
Business/ Downtown Development Plan How has or will this be integrated with the HMP and how does this reduce risk?	No	-	-	-
Other How has or will this be integrated with the HMP and how does this reduce risk?	No	-	-	-
RESPONSE/RECOVERY PLANNING				
Emergency Operations Plan How has or will this be integrated with the HMP and how does this reduce risk? <i>The Emergency Management Plan is the responsibility of the Boroughs Emergency Management Council. The Plan outlines the emergency management team along with the emergency management coordinator and establishes the resources and staff available for emergency response. The purpose of the plan is to provide a systematic way of responding to emergency situations within the Borough.</i>	Yes	Borough of Hopatcong Emergency Management Plan, June 2024	Local	Office of Emergency Management
Continuity of Operations Plan How has or will this be integrated with the HMP and how does this reduce risk?	No	-	-	-
Substantial Damage Response Plan How has or will this be integrated with the HMP and how does this reduce risk?	No	-	-	-
Threat and Hazard Identification and Risk Assessment How has or will this be integrated with the HMP and how does this reduce risk?	No	-	-	-
Post-Disaster Recovery Plan How has or will this be integrated with the HMP and how does this reduce risk?	No	-	-	-



	Jurisdiction has this? (Yes/No)	Citation and Date (code chapter or name of plan, date of enactment or plan adoption)	Authority (local, county, state, federal)	Responsible Person, Department or Agency
Public Health Plan	No	-	-	-
How has or will this be integrated with the HMP and how does this reduce risk?				
Other	No	-	-	-
How has or will this be integrated with the HMP and how does this reduce risk?				

14.3.2 Development and Permitting Capability

Table 14-3 summarizes the capabilities of Hopatcong to oversee and track development.

Table 14-3. Development and Permitting Capability

	Yes/No	Comment
Do you issue development permits? <ul style="list-style-type: none"> If you issue development permits, what department is responsible? If you do not issue development permits, what is your process for tracking new development? 	Yes	The Construction Department issues development permits.
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 you have a buildable land inventory, please describe 	No	-
Describe the level of buildout in your jurisdiction.	N/A	There is area for development and build-out potential within the Borough.

14.3.3 Administrative and Technical Capability

Table 14-4 summarizes potential staff and personnel resources available to Hopatcong and their current responsibilities that contribute to hazard mitigation.

Table 14-4. Administrative and Technical Capabilities

Resources	Available? (Yes/No)	Comment (available staff, responsibilities, support of hazard mitigation)
ADMINISTRATIVE CAPABILITY		
Planning Board	Yes	<p>The Borough of Hopatcong's Land Use Administration falls under one newly created "Land Use Board".</p> <p>The Land Use Board reviews applications for the subdivision of land or for the development of land (Site Plan Review).</p> <p>The Land Use Board considers applications that require exceptions (variances) from the Borough Zoning Ordinance,</p>



Resources	Available? (Yes/No)	Comment (available staff, responsibilities, support of hazard mitigation)
		Chapter 242 of the Borough Codebook. The Board interprets the zoning map and hears appeals from decisions of the Zoning Officer.
Zoning Board of Adjustment	No	-
Planning Department	No	-
Mitigation Planning Committee	Yes	The Office of Emergency Management is located within the Department of Public Safety.
Environmental Board/Commission	Yes	<p>The Environmental Commission is a seven-member Commission with two alternates established in 1972 (until 1983 referred to as Conservation Commission) as provided in Article Two of Chapter 5 "Environmental Commission" of the Code of the Borough of Hopatcong in accordance with Chapter 245 of the Laws of New Jersey, 1968. The members and alternates are appointed by the Mayor with staggered terms of service. There is a Chairman and Vice-Chairman. The Borough provides a recording secretary. One member of the Commission is appointed by the Mayor to serve on the Land Use Board, as provided in the State Municipal Land Use Law. Some of the activities of the Environmental Commission include securing grants, promoting and conducting environmental and conservation programs, reviewing NJDEP and EPA activities, assisting with litter cleanup and beautification activities, water testing of the Musconetcong River, and, in general, involving the entire community in preserving and enhancing the environment.</p>
Open Space Board/Committee	Yes	<p>The Open Space / Recreation Committee was established in 2000 through Article Three of Chapter 5 "Open Space Committee" of the Code of the Borough of Hopatcong. In 1999 the voters of the Borough authorized a one cent per \$100 of assessed valuation of each annual tax levy commencing with the year 2000 to be placed in an "Open Space and Recreation Fund". The Committee is charged with the preparation of an Open Space and Recreation Plan and with recommending to the Mayor and Council the use of the "Open Space and Recreation Fund". The Plan has been completed and accepted. The Planning Board has also adopted it as an element of the Borough Master Plan.</p> <p>The Open Space/Recreation Committee consists of an eight-member committee, consisting of the Mayor and a resident-at-large appointed by the Mayor, and six members appointed by the Council consisting of a council member, a member of the Planning Board, a member of the Zoning Board, a member of the Environmental Commission, a member of the Recreation Commission and a resident-at-large. The Committee elects a chairperson, a vice-chairperson, and a secretary. The Borough provides a recording secretary. On the occasion of a tie vote, the chairperson is given an extra vote to break the tie.</p>
Economic Development Commission/Committee	No	-



Resources	Available? (Yes/No)	Comment (available staff, responsibilities, support of hazard mitigation)
Public Works/Highway Department	Yes	The Department of Public Works is responsible for maintaining the Borough roads during all seasons, construction projects like additional parking in Maxim Glen or replacing a wall at the Civic Center, installing and maintaining stormwater catch basins and piping, maintaining and repairing some Borough vehicles, providing building maintenance, assisting the Water Department with main installation and repair, assisting with athletic field and park maintenance, leaf collection, demolition of buildings, and other activities.
Construction/Building/Code Enforcement Department	Yes	The Construction Department is responsible for enforcement of the NJ Uniform Construction Code, which includes building, plumbing, energy, electrical, elevator and mechanical codes. Building permits and certificates of occupancy are issued through this department.
Emergency Management/Public Safety Department	Yes	The Office of Emergency Management is located within the Department of Public Safety.
Maintenance programs to reduce risk (stormwater maintenance, tree trimming, etc.)	Yes	The Office of Emergency Management is located within the Department of Public Safety.
Mutual aid agreements	Yes	Fire Department/EMS/OEM
Human Resources Manual - Do any job descriptions specifically include identifying or implementing mitigation projects or other efforts to reduce natural hazard risk?	No	-
Other	No	-
TECHNICAL/STAFFING CAPABILITY		
Planners or engineers with knowledge of land development and land management practices	Yes	The Borough of Hopatcong's Land Use Administration falls under one newly created "Land Use Board". The Land Use Board reviews applications for the subdivision of land or for the development of land (Site Plan Review). Engineers
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	Administrator
Professionals trained in conducting damage assessments	Yes	Construction
Personnel skilled or trained in GIS and/or Hazus applications	No	-
Staff that work with socially vulnerable populations or underserved communities	No	-



Resources	Available? (Yes/No)	Comment (available staff, responsibilities, support of hazard mitigation)
Environmental scientists familiar with natural hazards	No	-
Surveyors	Yes	Borough Engineer
Emergency manager	Yes	The Office of Emergency Management is located within the Department of Public Safety.
Grant writers	Yes	Millennium
Resilience Officer	No	-
Other (this could include stormwater engineer, environmental specialist, etc.)	No	-

14.3.4 Fiscal Capability

Table 14-5 summarizes financial resources available to Hopatcong.

Table 14-5. Fiscal Capabilities

Financial Resources	Accessible or Eligible to Use? (Yes/No)
Community Development Block Grants (CDBG, CDBG-DR)	Yes
Capital improvement 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	Yes
Open Space Acquisition funding programs	Yes
Other (for example, Clean Water Act 319 Grants [Nonpoint Source Pollution])	No

14.3.5 Education and Outreach Capability

Table 14-6 summarizes the education and outreach resources available to Hopatcong.



Table 14-6. Education and Outreach Capabilities

Outreach Resources	Available? (Yes/No)	Comment
Public information officer or communications office	Yes	Generally, information goes through the Police Department (Police Chief). If there is an emergency the Emergency Management Department has a trained PIO.
Personnel skilled or trained in website development	Yes	Administration Office is responsible for the Borough's website.
Hazard mitigation information available on your website	Yes	Some information is available through Emergency Management and the Fire Department.
Social media for hazard mitigation education and outreach	Yes	Facebook and Twitter
Citizen boards or commissions that address issues related to hazard mitigation	Yes	The Emergency Management Council consists of ten members appointed by the Mayor. Of the ten members one is appointed Coordinator and four others as Deputies. The membership cuts across Borough Departments, Hopatcong School District, churches, and local organizations.
Warning systems for hazard events	Yes	Nixle
Natural disaster/safety programs in place for schools	No	-
Organizations that conduct outreach to socially vulnerable populations and underserved populations	No	-
Public outreach mechanisms / programs to inform citizens on natural hazards, risk, and ways to protect themselves during such events	Yes	Health Clinic, Fire Prevention Bureau

14.3.6 Community Classifications

Table 14-7 summarizes classifications for community programs available to Hopatcong.

Table 14-7. Community Classifications

Program	Participating? (Yes/No)	Classification	Date Classified
Community Rating System (CRS)	No	-	-
Building Code Effectiveness Grading Schedule (BCEGS)	Yes	6	2013
Public Protection (ISO Fire Protection Classes 1 to 10)	No	-	-
National Weather Service StormReady Certification	No	-	-
Firewise Communities classification	No	-	-
New Jersey Sustainable Jersey Community	Yes	Bronze	December 16, 2020
Other: Organizations with mitigation focus (advocacy group, non-government)	No	-	-

N/A = Not applicable

— = Unavailable



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 2022). Each jurisdiction has a unique combination of capabilities to adjust to, protect from, and withstand a future hazard event, future conditions, and changing risk. Table 14-8 summarizes the adaptive capacity for each identified hazard of concern and the Borough’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 14-8. Adaptive Capacity

Hazard	Adaptive Capacity - Strong/Moderate/Weak
Dam Failure	Medium
Disease Outbreak	Medium
Drought	Medium
Earthquake	Medium
Flood	Medium
Geological Hazards	Medium
Hazardous Materials	Medium
Hurricane	Medium
Infestation	Medium
Nor’easter	Medium
Severe Weather	Medium
Severe Winter Weather	Medium
Wildfire	Medium

14.4 NATIONAL FLOOD INSURANCE PROGRAM COMPLIANCE

This section provides specific information on the management and regulation of the regulatory floodplain, including current and future compliance with the National Flood Insurance Program (NFIP). The floodplain administrator listed in Table 14-1 is responsible for maintaining this information.

14.4.1 NFIP Statistics

Table 14-9 summarizes the NFIP policy and claim statistics for Hopatcong.

Table 14-9. Hopatcong NFIP Summary of Policy and Claim Statistics

# Policies	8
# Claims (Losses)	12
Total Loss Payments	\$54,192.61
# Repetitive Loss Properties (NFIP definition)	1



# Policies	8
# Repetitive Loss Properties (FMA definition)	0
# Severe Repetitive Loss Properties	0

NFIP Definition of Repetitive Loss: The NFIP defines a repetitive loss property as any insurable building for which two or more claims of more than \$1,000 were paid by the NFIP within any rolling 10-year period since 1978.

FMA Definition of Repetitive Loss: FEMA's Flood Mitigation Assistance (FMA) program defines a repetitive loss property as any insurable building that has incurred flood-related damage on two occasions, in which the cost of the repair, on average, equaled or exceeded 25 percent of the market value of the structure at the time of each such flood event.

Definition of Severe Repetitive Loss: A residential property covered under an NFIP flood insurance policy and: (a) That has at least four NFIP claim payments over \$5,000 each, and the cumulative amount of such claims payments exceeds \$20,000; or (b) For which at least two separate claims payments have been made with the cumulative amount of the building portion of such claims exceeding the market value of the building. At least two of the claims must have occurred within any 10-year period, more than 10 days apart.

Source: FEMA 2024

14.4.2 Flood Vulnerability Summary

Table 14-10 provides a summary of the NFIP program in Hopatcong.

Table 14-10. NFIP Summary

NFIP Topic	Comments
Flood Vulnerability Summary	
Describe areas prone to flooding in your jurisdiction.	There are no areas in the Borough which are prone to repeated flooding. There have been two flood event cases, but not since the last HMP.
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?	No
How many homeowners and/or business owners are interested in mitigation (elevation or acquisition)?	Unknown, at this time.
Are any RiskMAP projects currently underway in your jurisdiction? If so, state what projects are underway.	No
How do you make Substantial Damage determinations?	The Borough utilizes FEMA Substantial Damage formula.
How many Substantial Damage determinations were declared for recent flood events in your jurisdiction?	There has been no recent flooding events resulting in Substantial Damages.
How many properties have been mitigated (elevation or acquisition) in your jurisdiction? If there are mitigation properties, how were the projects funded?	No properties have been mitigated for flooding.
Do your flood hazard maps adequately address the flood risk within your jurisdiction? If not, state why.	Yes, the flood hazard maps for the Borough adequately address the flood risk.
NFIP Compliance	
What local department is responsible for floodplain management?	Construction Official or Designee



NFIP Topic	Comments
Are any certified floodplain managers on staff in your jurisdiction?	No, not at this time.
Do you have access to resources to determine possible future flooding conditions from climate change?	The Borough utilizes state floodplain drawings for dam failure, etc. and are not concerned with other flooding conditions.
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?	The FPA would welcome any continuing education or certification trainings on floodplain management if offered in the County.
Provide an explanation of NFIP administration services you provide (e.g., permit review, GIS, education/outreach, inspections, engineering capability)	None, at this time.
How do you determine if proposed development on an existing structure would qualify as a substantial improvement?	Land Use Board reviews then sends to Construction Department for permitting process.
What are the barriers to running an effective NFIP program in the community, if any?	The Borough does not implement NFIP program activities due to low flooding concerns.
Does your jurisdiction have any outstanding NFIP compliance violations that need to be addressed? If so, state the violations.	No
When was the most recent Community Assistance Visit (CAV) or Community Assistance Contact (CAC)?	February 3, 1994
What is the local law number or municipal code of your flood damage prevention ordinance?	Chapter 124 - Floodplain Management
What is the date that your flood damage prevention ordinance was last amended?	July 6, 2011
Does your floodplain management program meet or exceed minimum requirements? If exceeds, in what ways?	The program meets the minimum requirements.
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?	The Land Use Board oversees and makes recommendations to support floodplain management within the Borough.
Does your community plan to join the CRS program or is your community interested in improving your CRS classification?	No, and the community hasn't considered joining.

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 appreciating a jurisdiction's overall risk to its hazards of concern. Recent and expected future development trends, including major residential/commercial development and major infrastructure development, are summarized in Table 14-11 through Table 14-13.

Table 14-11. Number of Building Permits for New Construction Issued Since the Previous HMP

	New Construction Permits Issued			
	Single Family	Multi-Family	Other (commercial, mixed-use, etc.)	Total
2019				
Total Permits	6	0	0	6



	New Construction Permits Issued			
	Single Family	Multi-Family	Other (commercial, mixed-use, etc.)	Total
Permits within SFHA	0	0	0	0
2020				
Total Permits	3	0	0	3
Permits within SFHA	0	0	0	0
2021				
Total Permits	6	0	1	7
Permits within SFHA	0	0	0	0
2022				
Total Permits	5	0	1	6
Permits within SFHA	0	0	0	0
2023				
Total Permits	12	4	0	16
Permits within SFHA	0	0	0	0

SFHA = Special Flood Hazard Area (1% flood event)

Table 14-12. Recent Major Development and Infrastructure from 2019 to Present

Property or Development Name	Type of Development	# of Units / Structures	Location (address and/or block and lot)	Known Hazard Zones*	Description / Status of Development
None identified.					

* Only location-specific hazard zones or vulnerabilities identified.

Table 14-13. Known or Anticipated Major Development and Infrastructure in the Next Five Years

Property or Development Name	Type of Development	# of Units / Structures	Location (address and/or block and lot)	Known Hazard Zones*	Description / Status of Development
None anticipated.					

14.6 JURISDICTIONAL RISK ASSESSMENT

The hazard profiles in Volume I provide detailed information regarding each planning partner's vulnerability to the identified hazards, including summaries of Hopatcong's risk assessment results and data used to determine the hazard ranking. Key local risk assessment information is presented below.

14.6.1 Hazard Area

Hazard area maps provided below illustrate the probable hazard areas impacted within the Borough are shown in Figure 14-1 through Figure 14-3. 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 are provided only for hazards that can be identified clearly using mapping techniques and technologies and for which Hopatcong has significant exposure. The maps show the location of potential new development, where available.

Figure 14-1. Hopatcong Flood and Sinkhole Hazard Area Extent and Location

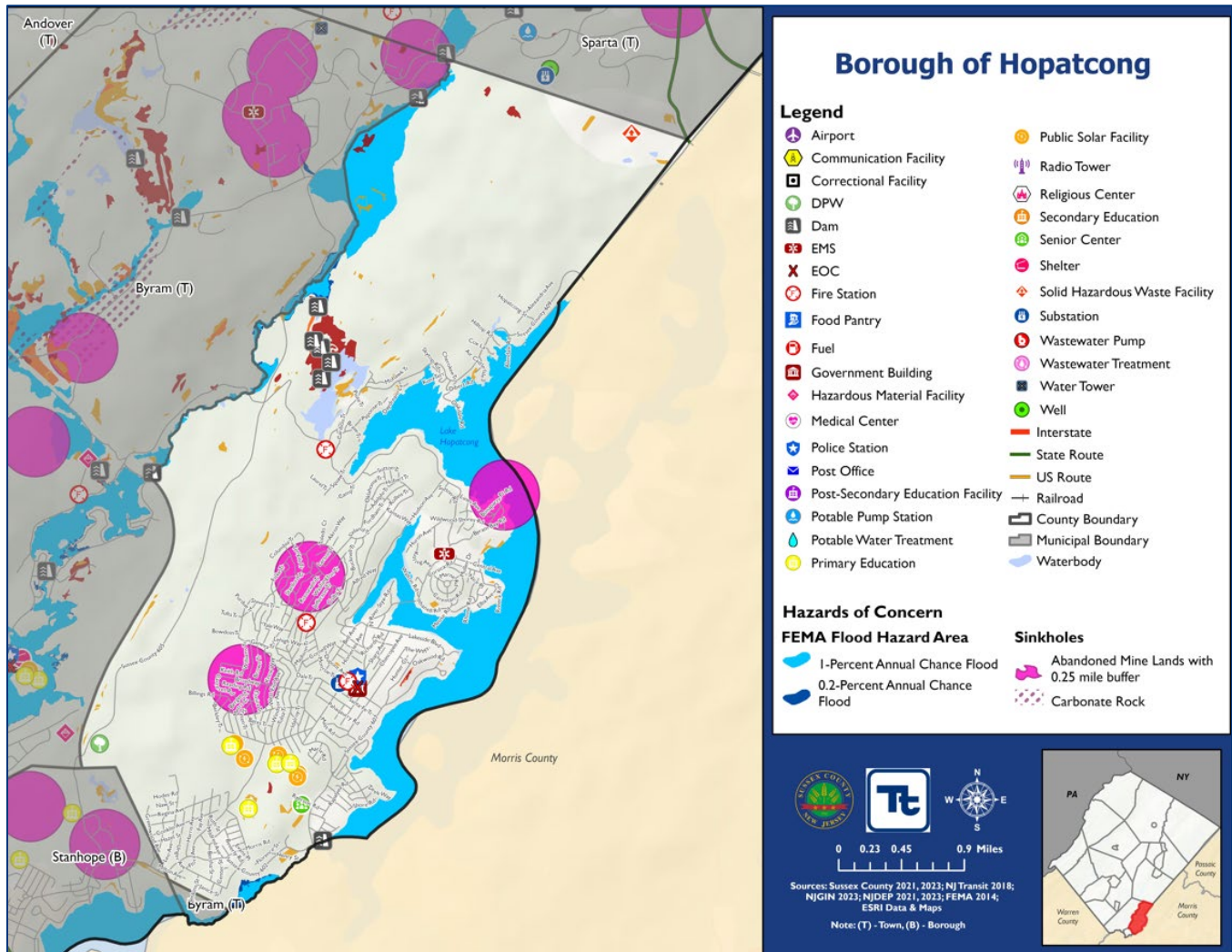


Figure 14-2. Hopatcong Hazardous Materials and Wildfire Hazard Area Extent and Location

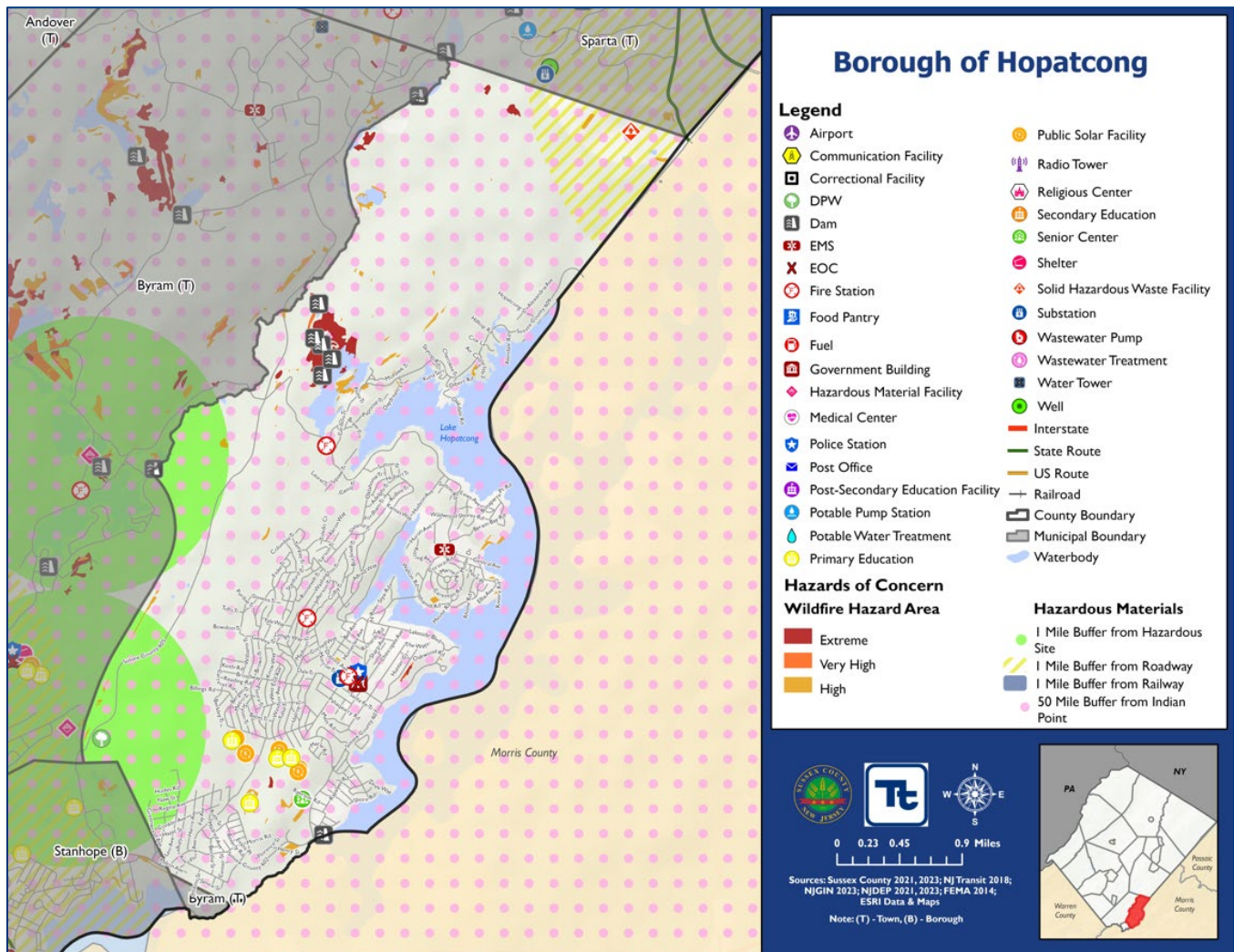
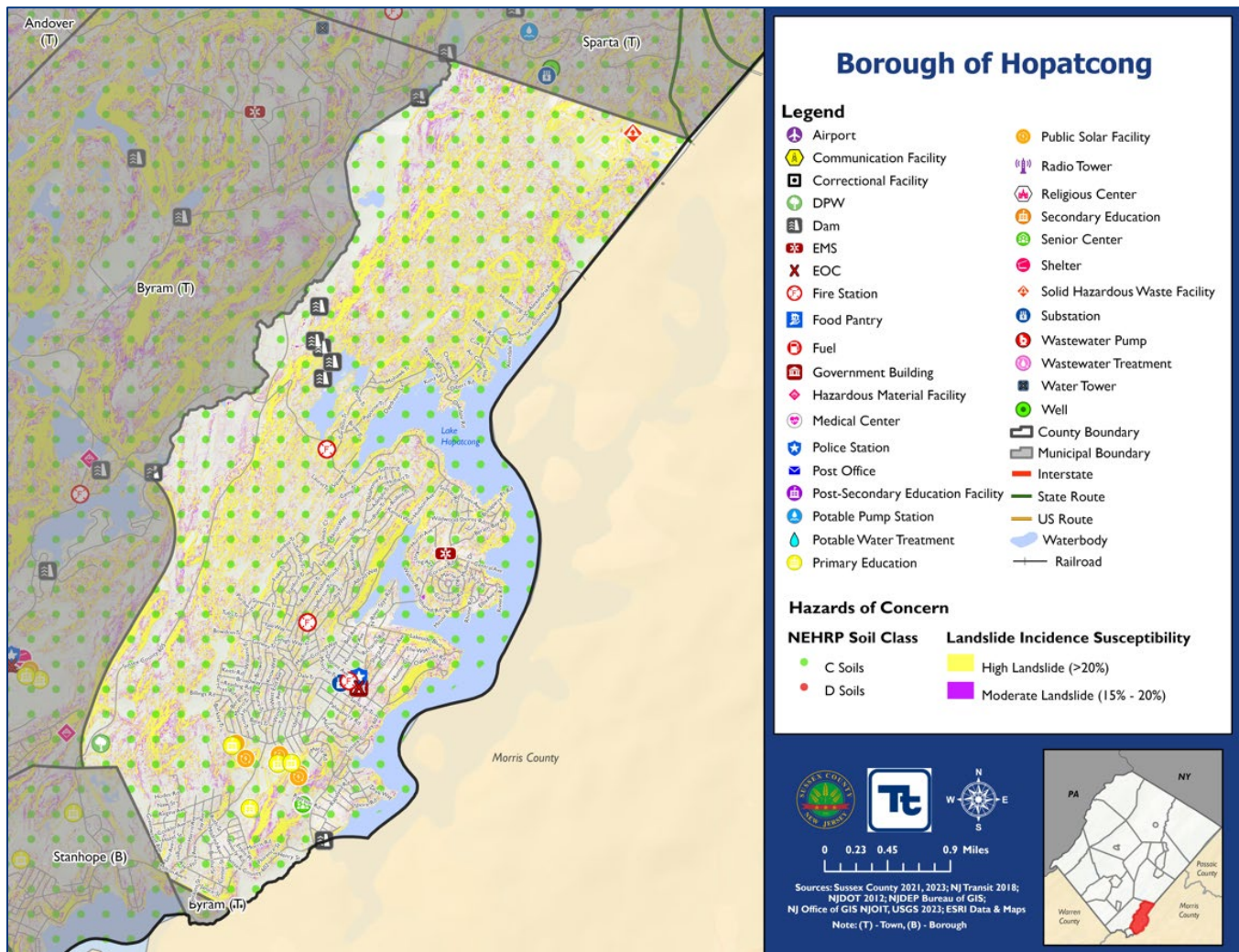


Figure 14-3. Hopatcong NEHRP and Landslide Hazard Area Extent and Location





14.6.2 Hazard Event History

The history of natural and non-natural hazard events in Hopatcong is detailed in Volume I, where each hazard profile includes a chronology of historical events that have affected the County and its municipalities. Table 14-14 provides details on loss and damage in Hopatcong during hazard events since the last hazard mitigation plan update.

Table 14-14. Hazard Event History in Hopatcong

Dates of Event	Event Type (Disaster Declaration)	County Designated?	Summary of Event	Summary of Damage and Losses in Hopatcong
January 20, 2020 – May 11, 2023	Covid-19 Pandemic (EM-3451-NJ, DR-4488-NJ)	Yes	Sussex County accounted for 37,642 positive cases of COVID-19 in the State of New Jersey, and 425 of the reported deaths. A total of 277,542 vaccinations were delivered in the County to both residents and non-residents.	The Borough maintained social distancing and upheld the mask policy during the pandemic. Training for firehouse was postponed preventing social gathering.
August 4, 2020	Tropical Storm Isaias	Yes	Tropical Storm Isaias brought high winds and heavy rain to Sussex County; there were numerous reports of downed trees and power lines. Observations from surrounding areas suggest sustained tropical storm force winds likely occurred.	The Borough experienced damages due to the tropical storm, such as downed trees and power lines.
January 31- February 2, 2021	Severe Winter Storm and Snowstorm (FEMA-DR-4597)	Yes	Heavy precipitation developed producing areas of extreme snowfall rates of 2 to 4 inches per hour in northern New Jersey. Numerous reports of 24 to 32 inches were received from across the County.	The Borough received around 20 inches of snowfall.
September 1-3, 2021	Remnants of Hurricane Ida (FEMA-DR-4614)	Yes	The remnants of Hurricane Ida produced heavy rainfall and flash floods. Widespread flash flooding occurred in Sussex County with numerous road closures.	The Borough experienced downed trees and power outages and road closures. No flash floods were recorded.

EM = Emergency Declaration (FEMA)

FEMA = Federal Emergency Management Agency

DR = Major Disaster Declaration (FEMA)

N/A = Not applicable

14.6.3 Hazard Ranking and Vulnerabilities

The hazard profiles in Volume I have detailed information regarding each planning partner's vulnerability to the identified hazards. The following presents key risk assessment results for Hopatcong .



Hazard Ranking

The participating jurisdictions have differing degrees of vulnerability to the hazards of concern, so each jurisdiction ranked its own degree of risk to each hazard. The community-specific hazard ranking is based on problems and impacts identified by the risk assessment presented in Volume I. 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; community capabilities to address the hazard; and changing future climate conditions. Hopatcong reviewed the County hazard ranking and individual results to assess the relative risk of the hazards of concern to the community. During the review of the hazard ranking, the Borough indicated the following:

- Change Flood ranking from Medium to Low as there are limited areas in the Borough which flood.
- Change Infestation ranking from Low to Medium due the Spotted Lantern Fly infestation during June through August.
- The Borough agreed with the remainder of the calculated hazard rankings.

Table 14-15 shows Hopatcong's final hazard rankings for identified hazards of concern. Mitigation action development uses the ranking to target hazards with the highest risk.

Table 14-15. Hazard Ranking

Hazard	Rank
Dam Failure	Low
Disease Outbreak	Low
Drought	Low
Earthquake	Low
Flood	Low
Geological Hazards	Medium
Hazardous Materials	Medium
Hurricane	Medium
Infestation	Medium
Nor'easter	High
Severe Weather	High
Severe Winter Weather	High
Wildfire	Medium

Note: The scale is based on the hazard rankings established in Volume I, modified as appropriate based on review by the jurisdiction

Critical Facilities

Table 14-16 identifies critical facilities in the community located in the 1 percent and 0.2 percent annual chance floodplains.



Table 14-16. Critical Facilities Flood Vulnerability

Name	Type	Vulnerability		Addressed by Proposed Action	Already Protected to 0.2% Flood Level (describe protections)
		1% Annual Chance Event	0.2% Annual Chance Event		
There are no critical facilities located in the floodplain.					

Source: Sussex County 2021, 2023; NJGIN 2023

14.6.4 Identified Issues

After review of Hopatcong's hazard event history, hazard rankings, hazard location, and current capabilities, Hopatcong identified the following vulnerabilities within the community:

- Backup power sources are necessary to maintain critical services for critical facilities. The Borough has entered into a mutual aid agreement with the St. Jude Church Parish to be an emergency shelter. The Parish lacks a backup power source. High winds associated with hurricanes, nor'easters, severe weather, and severe winter weather are known to cause power outages, which would impact the continuity of operations at both critical facilities.
- The Borough has noticed that there are high levels of polyfluoroalkyl substances (PFAS) contaminating the water pump stations. PFAS are widely used, long lasting chemicals, components of which break down very slowly over time. Scientific studies have shown that exposure to some PFAS in the environment may be linked to harmful health effects in humans and animals.
- The Borough requires an upgraded radio system that can be used by all our emergency services to better coordinate emergency response in the Borough during storms and other emergencies. Radios are installed in all fire apparatus. Transitions are currently underway for incorporation into Police Dispatch.
- The Ambulance Squad building (516 River Styx Road) is over 40 years old and deteriorating. This critical facility provides life safety operations for the Borough, protecting and providing care to visitors and residents. Continued impacts from severe weather has caused the structure to become unstable.
- The Borough would like to enhance existing outreach and develop additional hazard outreach. The Borough currently does not have a comprehensive education and outreach program. There is a need to educate residents and businesses about hazard mitigation, preparation, response, and recovery utilizing a variety of outreach methods.
- Dams in the municipality and have been found to have either a poor or unsatisfactory safety rating based on their most recent inspections. Dams with poor or unsatisfactory safety ratings have deficiencies that could potentially make dam failure more likely to occur or the consequences of dam failure more significant. The following dams are located in the municipality and have been found to have either a poor or unsatisfactory safety rating based on their most recent inspections:
 - Bear Pond Dam E (poor)
- 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. The Borough's Flood Damage Prevention Ordinance lacks the state mandated freeboard requirement.



- The Borough lacks a Disaster Debris Management Plan to address post disaster cleanup. Without a plan in place, there are no identified resources in place to properly address debris and do not have identified locations for debris storage.
- The Borough does not have any organizations that conduct outreach to socially vulnerable populations and underserved populations. The Borough has struggled with identifying where socially vulnerable populations are located at within the jurisdiction. Identifying and educating these populations can increase resiliency in the Borough and potentially reduce the number of emergency calls during hazardous events.
- The Borough does not have a formalized list of damaged properties or property owners which may be interested in flood mitigation measures, such as elevation or acquisition. Maintaining these lists can assist the Borough in identifying and prioritizing properties to mitigate.
- 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.
- The Borough does not have any certified floodplain managers (CFM) on staff. Becoming a CFM increases the depth of understanding when dealing with FEMA floodplains. The certifications ensures those that bare it understand the regulatory requirements and procedures needed to make floodplain management work effectively and efficiently at the community level.
- Frequent flooding events have resulted in damages to residential properties. These properties have been repetitively flooded as documented by paid NFIP claims. The Borough has one repetitive loss property, but other properties may be impacted by flooding as well.
- The national Firewise USA® recognition program provides a collaborative framework to help neighbors in a geographic area get organized, find direction, and take action to increase the ignition resistance of their homes and community and to reduce wildfire risks at the local level. The Borough is currently not part of the Firewise program.

14.7 MITIGATION STRATEGY AND PRIORITIZATION

This section discusses the status of mitigation actions from the previous HMP, describes proposed hazard mitigation actions, and prioritizes actions to address over the next five years.

14.7.1 Past Mitigation Action Status

Table 14-17 indicates progress on the Borough's mitigation strategy identified in the 2021 HMP. Actions that are still recommended but not completed or that are in progress are carried forward and combined with new actions as part of the mitigation strategy for this plan update. Previous actions that are now ongoing programs and capabilities are indicated as such and are presented in the capability assessment earlier in this annex.

14.7.2 Additional Mitigation Efforts

Hopatcong did not identify any additional mitigation efforts completed since the last HMP. Since the adoption of the County's first HMP, Hopatcong has made significant mitigation progress in the following areas:

- Public Outreach and Committees
- Emergency Response Coordination



- Critical Facility upgrades
- Funding Opportunities and Mutual Aid Agreements



Table 14-17. Status of Previous Mitigation Actions

Project Number	Project Name	Hazard(s) Addressed	Responsible Party	Brief Summary of the Original Problem and the Solution (Project)	Action Review 1. Status (In Progress, Ongoing Capability, No Progress, Complete) 2. Provide a narrative to describe progress or obstacles that have prevented implementation	Next Steps 1. Project to be included in the 2025 HMP or Discontinue 2. If including action in the 2025 HMP, revise/reword to be more specific (as appropriate). 3. If discontinue, explain why.
2021-Hopatcong-001	St. Jude Parrish Center Backup Power	Hurricane, Nor'easter, Severe Winter Weather, Severe Weather	Administration, Engineer, St Jude Parish	Problem: Backup power sources are necessary to maintain critical services for critical facilities. The Borough has entered into a mutual aid agreement with the St. Jude Church Parish to be an emergency shelter. The Parish lacks a backup power source. Solution: The Engineer will research what size generator is needed to power the Parish. The Borough will then assist with the purchase and installation of the selected generator and necessary electrical components to supply backup power to the shelter.	1. In Progress 2. The Borough is working on alternate funding for this project. Mutual Aid agreement and resolution for Parish.	1. Include in update 2. Not applicable 3. Not applicable
2021-Hopatcong-002	Woodchipper	Hurricane, Nor'easter, Severe Winter Weather, Severe Weather	Public Works	Problem: A new chipper is needed to help with storm clean up as most storms cause tree and utilities damage in the Borough. The Solution: Borough will purchase a new woodchipper and train staff in its use.	1. Completed 2. Purchased 2 years ago	1. Discontinue 2. N Not applicable 3. Completed
2021-Hopatcong-003	Filters for Lakeside Storm Drains	Severe Weather, Infestation, Invasive Species	Public Works	Problem: Nutrients entering the lake through stormwater contribute to harmful algal blooms. Solution: The Borough will purchase and install filters on storm drains. Public Works will be in charge of the installation and maintenance of these filters.	1. No Progress 2. Efforts have been made in putting filters onto water pump stations (PFAS)	1. Discontinue 2. Not applicable 3. The Borough is directing their efforts into installing filters on the water pump stations for PFAS.



Project Number	Project Name	Hazard(s) Addressed	Responsible Party	Brief Summary of the Original Problem and the Solution (Project)	Action Review 1. Status (In Progress, Ongoing Capability, No Progress, Complete) 2. Provide a narrative to describe progress or obstacles that have prevented implementation	Next Steps 1. Project to be included in the 2025 HMP or Discontinue 2. If including action in the 2025 HMP, revise/reword to be more specific (as appropriate). 3. If discontinue, explain why.
2021-Hopatcong-004	Harmful Algal Bloom Control	Infestation, Invasive Species	Administration	Problem: Harmful algal blooms present a health concern and are damaging to the environment Solution: The Administration will work with the NJDEP to gain approval to introduce albino carp into the lake to eat plant life that contributes to harmful algae blooms.	1. Discontinue 2. NJDEP will not allow the Carp (not native).	1. Discontinue 2. Not applicable 3. NJDEP will not allow the Albino Carp because it is not a native species.
2021-Hopatcong-005	Radio System	All Hazards	Emergency Management	Problem: The Borough requires an upgraded radio system that can be used by all our emergency services to better coordinate emergency response in the town during storms and other emergencies. Solution: The Borough will purchase an upgraded radio system that will be able to be used into the future.	1. In Progress. 2. Radios are installed in all fire apparatus. Transitions are currently underway for incorporation into Police Dispatch. Another year/year half before completion.	1. Include in update 2. The Borough will continue to transition emergency radio systems into Police Dispatch services. 3. Not applicable
2021-Hopatcong-006	Ambulance Squad Building	All Hazards	Administration, Engineer, Ambulance Squad	Problem: The Ambulance Squad building is over 40 years old and deteriorating. Solution: The Borough will construct a new building for the Ambulance Squad with modern standards for construction of critical facilities.	1. In Progress 2. Looking at options, depending on surveys on emergency services.	1. Include in update 2. Not applicable 3. Not applicable
2021-Hopatcong-007	Repetitive Loss Mitigation	Flood, Severe Weather	NFIP Floodplain Administrator, supported by homeowners	Problem: Frequent flooding events have resulted in damages to residential properties. These properties have been repetitively flooded as documented by paid NFIP claims. The Borough has one repetitive loss property, but other	1. No Progress 2. Due to other prioritized projects, there was no progress made on this action.	1. Include in update 2. Not applicable 3. Not applicable



Project Number	Project Name	Hazard(s) Addressed	Responsible Party	Brief Summary of the Original Problem and the Solution (Project)	Action Review 1. Status (In Progress, Ongoing Capability, No Progress, Complete) 2. Provide a narrative to describe progress or obstacles that have prevented implementation	Next Steps 1. Project to be included in the 2025 HMP or Discontinue 2. If including action in the 2025 HMP, revise/reword to be more specific (as appropriate). 3. If discontinue, explain why.
				properties may be impacted by flooding as well. Solution: Conduct outreach to 5 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).		
2021-Hopatcong-008	Hazard Outreach Enhancement	All Hazards	Administration	Problem: The Borough would like to enhance existing outreach and develop additional hazard outreach. Solution: The Borough will enhance the current all-hazards public education and outreach program by developing, implementing and facilitating a multi-hazard public awareness program. Provide information on all types of hazards, preparedness and mitigation measures via the Borough website and social media.	1. In Progress 2. Borough has a FireWise committee in progress who will send out educational outreach to the public.	1. Include in update 2. Not applicable 3. Not applicable



Project Number	Project Name	Hazard(s) Addressed	Responsible Party	Brief Summary of the Original Problem and the Solution (Project)	Action Review 1. Status (In Progress, Ongoing Capability, No Progress, Complete) 2. Provide a narrative to describe progress or obstacles that have prevented implementation	Next Steps 1. Project to be included in the 2025 HMP or Discontinue 2. If including action in the 2025 HMP, revise/reword to be more specific (as appropriate). 3. If discontinue, explain why.
2021-Hopatcong-009	Flood Damage Prevention Ordinance Update	Flood	FPA, Administration	Problem: The Borough's Flood Damage Prevention Ordinance lacks the state mandated freeboard requirement. Solution: The Borough will update the Flood Damage Prevention Ordinance to include the freeboard requirement.	1. No Progress 2. Due to other prioritized projects, there was no progress made on this action.	1. Include in update 2. Not applicable 3. Not applicable
2021-Hopatcong-010	Disaster Debris Management Plan	All Hazards	Public Works, Emergency Management	Problem: The Borough lacks a Disaster Debris Management Plan. Solution: The Borough will develop and adopt a Disaster Debris Management Plan.	1. No Progress 2. Due to other prioritized projects, there was no progress made on this action.	1. Include in update 2. Not applicable 3. Not applicable



14.7.3 Proposed Hazard Mitigation Actions for the HMP Update

Hopatcong participated in the mitigation strategy workshop for this HMP to identify appropriate actions to include in a local hazard mitigation strategy. Its comprehensive consideration of all possible activities to address hazards of concern included review of the following FEMA documents:

- FEMA 551 “Selecting Appropriate Mitigation Measures for Floodprone Structures” (March 2007)
- FEMA “Mitigation Ideas—A Resource for Reducing Risk to Natural Hazards” (January 2013).

The action worksheets included at the end of this annex list the mitigation actions that Hopatcong would like to pursue in the future to reduce the effects of hazards. The actions 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 Borough priorities.

Table 14-18 indicates the range of proposed mitigation action categories. 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.

Volume I identifies 14 evaluation criteria for prioritizing the mitigation actions. To assist with rating each mitigation action as high, medium, or low priority, a numeric rank is assigned (-1, 0, or 1) for each of the evaluation criteria. Table 14-19 provides a summary of the prioritization of all proposed mitigation actions for the HMP update.



Table 14-18. Analysis of Mitigation Actions by Hazard and Category

Hazard	Actions That Address the Hazard, by Action Category									
	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			X
Drought	X	X		X			X			X
Earthquake	X	X		X			X			X
Flood	X	X		X	X	X	X		X	X
Geological Hazards	X	X		X			X			X
Hazardous Materials	X	X		X			X			X
Hurricane	X	X		X	X		X			X
Infestation	X			X			X			X
Nor'easter	X	X		X	X		X			X
Severe Weather	X	X		X	X		X			X
Severe Winter Weather	X	X		X			X			X
Wildfire	X	X		X			X			X

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 structures to reduce the impact of hazards.

Natural Systems Protection (NSP)—These are actions that minimize damage and losses and 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

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 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 14-19. Summary of Prioritization of Actions

Project Number	Project Name	Scores for Evaluation Criteria															High / Medium / Low
		Life Safety	Property Protection	Cost-Effectiveness	Political	Legal	Fiscal	Environmental	Social Vulnerability	Administrative	Hazards of Concern	Climate Change	Timeline	Community Lifelines	Other Local Objectives	Total	
2025-HopatcongB-01	Back-up Generator for Emergency Shelter	1	0	1	1	1	1	0	1	1	1	1	1	1	1	12	High
2025-HopatcongB-02	Water Pump Filters for PFAS	1	0	1	1	1	1	1	1	1	1	1	1	1	1	13	High
2025-HopatcongB-03	Emergency Radio System	1	1	1	1	1	1	0	1	1	1	1	1	1	1	13	High
2025-HopatcongB-04	Upgrades to Ambulance Squad Building	1	0	1	1	1	0	0	1	1	1	1	1	1	1	11	High
2025-HopatcongB-05	Public Education and Outreach	1	1	1	1	1	1	0	1	1	1	1	1	0	1	12	High
2025-HopatcongB-06	Dam Repair	1	1	1	1	1	0	1	1	1	1	1	1	1	0	12	High
2025-HopatcongB-07	Code Coordinated Ordinance	1	1	1	1	1	1	1	1	1	0	1	1	0	0	11	High
2025-HopatcongB-08	Disaster Debris Management Plan	0	1	1	1	1	1	1	0	1	1	1	1	0	1	11	High
2025-HopatcongB-09	Socially Vulnerable Populations Outreach	1	0	1	1	1	1	0	1	1	1	1	1	1	1	12	High
2025-HopatcongB-10	Flood Mitigation Interest	1	1	1	1	1	1	1	1	1	0	1	1	1	1	13	High
2025-HopatcongB-11	Substantial Damage Management Plan	0	1	1	1	1	1	0	1	1	1	1	1	1	0	11	High
2025-HopatcongB-12	Certified Floodplain Manager Training	1	1	1	1	1	1	0	1	1	1	1	1	0	1	12	High
2025-HopatcongB-13	Firewise Program Participation	1	1	1	1	1	1	1	1	1	0	1	1	0	0	11	High

Note: Volume I, Section 21 (Mitigation Strategy) conveys guidance on prioritizing mitigation actions. Low (0-6), Medium (7-10), High (11-14).



Action 2025-HopatcongB-01. Back-up Generator for Emergency Shelter

Lead Agency:	Engineer		
Supporting Agencies:	St Jude Parish, Borough Administration		
Hazard(s) of Concern:	<input type="checkbox"/> Dam Failure <input checked="" type="checkbox"/> Disease Outbreak <input checked="" type="checkbox"/> Drought <input checked="" type="checkbox"/> Earthquake <input checked="" type="checkbox"/> Flood <input checked="" type="checkbox"/> Geological Hazards <input checked="" type="checkbox"/> Hazardous Materials <input checked="" type="checkbox"/> Hurricane <input type="checkbox"/> Infestation <input checked="" type="checkbox"/> Nor'easter <input checked="" type="checkbox"/> Severe Weather <input checked="" type="checkbox"/> Severe Winter Weather <input checked="" type="checkbox"/> Wildfire		
Description of the Problem:	Backup power sources are necessary to maintain critical services for critical facilities. The Borough has entered into a mutual aid agreement with the St. Jude Church Parish to be an emergency shelter. The Parish lacks a backup power source. High winds associated with hurricanes, nor'easters, severe weather, and severe winter weather are known to cause power outages, which would impact the continuity of operations at both critical facilities.		
Description of the Solution:	The Engineer will research what size generator is needed to power the Parish. The Borough will then explore alternate funding sources to assist with the purchase and installation of the selected generator and necessary electrical components to supply backup power to the shelter.		
Estimated Cost:	Medium		
Potential Funding Sources:	FEMA HMGP and BRIC, USDA Community Facilities Grant Program, Emergency Management Performance Grants (EMPG) Program, Municipal Budget, Parish Budget		
Implementation Timeline:	Within 5 years		
Goals Met:	1, 2, 5, 6, 7		
Benefits:	This action protects public health and safety and ensures continued operation of a critical facility and its essential functions during a power outage.		
Impact on Socially Vulnerable Populations:	This action will protect socially vulnerable populations who seek shelter during hazard events by ensuring the emergency shelter has adequate power supply.		
Impact on Future Development:	This action results in protection of a critical facility that could support populations in future residential development.		
Impact on Critical Facilities/Lifelines:	This action ensures the continuity of operation for a critical facility (emergency shelter) are maintained during a hazard event.		
Impact on Capabilities:	This action enhances emergency response by maintaining safe operations for an emergency shelter.		
Climate Change Considerations:	Climate change is likely to increase severe weather events such as flooding, wind, and extreme temperatures that result in power failures. This action accounts for a likely increase in power failure events.		
Mitigation Category	<input type="checkbox"/> Local Plans and Regulations (LPR) <input checked="" type="checkbox"/> Structure and Infrastructure Project (SIP) <input type="checkbox"/> Natural Systems Protection (NSP) <input type="checkbox"/> Education and Awareness Programs (EAP)		
CRS Category	<input type="checkbox"/> Preventative Measures (PR) <input type="checkbox"/> Property Protection (PP) <input type="checkbox"/> Public Information (PI) <input type="checkbox"/> Natural Resource Protection (NR) <input type="checkbox"/> Structural Flood Control Projects (SP) <input checked="" type="checkbox"/> Emergency Services (ES)		
Priority	<input checked="" type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low
Alternatives:	Action	Evaluation	
	No action.	Problem persists.	
	Microgrid	Costly and difficult to implement.	
	Solar panels and battery backup	Solar power is unlikely to be able to provide battery power for extended power failure events.	



Action 2025-HopatcongB-02. Water Pump Filters for PFAS

Lead Agency:	Engineering		
Supporting Agencies:	Public Works		
Hazard(s) of Concern:	<div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> Dam Failure <input checked="" type="checkbox"/> Disease Outbreak <input type="checkbox"/> Drought <input type="checkbox"/> Earthquake <input checked="" type="checkbox"/> Flood <input type="checkbox"/> Geological Hazards <input type="checkbox"/> Hazardous Materials </div> <div> <input checked="" type="checkbox"/> Hurricane <input type="checkbox"/> Infestation <input checked="" type="checkbox"/> Nor'easter <input checked="" type="checkbox"/> Severe Weather <input type="checkbox"/> Severe Winter Weather <input type="checkbox"/> Wildfire </div> </div>		
Description of the Problem:	The Borough has noticed that there are high levels of polyfluoroalkyl substances (PFAS) contaminating the water pump stations. PFAS are widely used, long lasting chemicals, components of which break down very slowly over time. Scientific studies have shown that exposure to some PFAS in the environment may be linked to harmful health effects in humans and animals.		
Description of the Solution:	The Borough Engineer will confirm installation of water filters at the water pump stations will remove contaminants from potable water. Following confirmation, Public Works will install the necessary water filters.		
Estimated Cost:	Medium		
Potential Funding Sources:	User Fees, Borough Budget		
Implementation Timeline:	Within 3 years		
Goals Met:	1, 2		
Benefits:	Because of their widespread use and their persistence in the environment, many PFAS are found in the blood of people and animals all over the world and are present at low levels in a variety of food products and in the environment. This action will assist in the reduction of PFAS in the Borough's water system.		
Impact on Socially Vulnerable Populations:	This action will protect socially vulnerable populations from increased exposure to PFAS which can cause cancers and other adverse health impacts.		
Impact on Future Development:	This action results in protection of a critical facility that could support future development.		
Impact on Critical Facilities/Lifelines:	This action will upgrade the water pump stations which are a critical lifeline for the community's water system by filtering out contaminants.		
Impact on Capabilities:	This action will enhance the Borough's capabilities to provide clean water by installing water filters to take out PFAS and other contaminants.		
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. Heavy rains and flooding conditions can result in the movement of PFAS through the water cycle, pushing the chemical deeper into the environment.		
Mitigation Category	<input type="checkbox"/> Local Plans and Regulations (LPR) <input checked="" type="checkbox"/> Structure and Infrastructure Project (SIP) <input type="checkbox"/> Natural Systems Protection (NSP) <input type="checkbox"/> Education and Awareness Programs (EAP)		
CRS Category	<input checked="" type="checkbox"/> Preventative Measures (PR) <input type="checkbox"/> Property Protection (PP) <input type="checkbox"/> Public Information (PI) <input type="checkbox"/> Natural Resource Protection (NR) <input type="checkbox"/> Structural Flood Control Projects (SP) <input type="checkbox"/> Emergency Services (ES)		
Priority	<input checked="" type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low		
Alternatives:	Action	Evaluation	
	No action.	Problem persists.	
	Remove water pump stations	Costly, not an option, lack of services.	
	Relocate water pump stations	Costly, not an option, problem persists.	



Action 2025-HopatcongB-03. Emergency Radio System

Lead Agency:	Emergency Management		
Supporting Agencies:	Police Department, Borough Administration		
Hazard(s) of Concern:	<input checked="" type="checkbox"/> Dam Failure <input checked="" type="checkbox"/> Disease Outbreak <input checked="" type="checkbox"/> Drought <input checked="" type="checkbox"/> Earthquake <input checked="" type="checkbox"/> Flood <input checked="" type="checkbox"/> Geological Hazards <input checked="" type="checkbox"/> Hazardous Materials	<input checked="" type="checkbox"/> Hurricane <input checked="" type="checkbox"/> Infestation <input checked="" type="checkbox"/> Nor'easter <input checked="" type="checkbox"/> Severe Weather <input checked="" type="checkbox"/> Severe Winter Weather <input checked="" type="checkbox"/> Wildfire	
Description of the Problem:	The Borough requires an upgraded radio system that can be used by all our emergency services to better coordinate emergency response in the Borough during storms and other emergencies. Radios are installed in all fire apparatus. Transitions are currently underway for incorporation into Police Dispatch.		
Description of the Solution:	The Borough will continue to transition emergency radio systems into Police Dispatch services.		
Estimated Cost:	Medium		
Potential Funding Sources:	Emergency Management Performance Grants (EMPG) Program, Borough Budget		
Implementation Timeline:	Within 5 years		
Goals Met:	1, 2, 6		
Benefits:	This action will ensure emergency personnel are able to effectively communicate with one another before, during, and after an emergency event.		
Impact on Socially Vulnerable Populations:	This action will protect socially vulnerable populations by ensuring calls for assistance are able to be connected and relayed to the appropriate emergency response personnel.		
Impact on Future Development:	This action results in strengthening of emergency operations through bolstering the safety and security and communications lifelines which could support future development.		
Impact on Critical Facilities/Lifelines:	This action results in strengthening of emergency operations through bolstering the safety and security and communications lifelines.		
Impact on Capabilities:	This action will enhance the emergency radio system for the Borough which is an integral portion of the communications lifeline for emergency response and preparation.		
Climate Change Considerations:	This action will take into consideration climate change impacts to the severity and frequency of hazard events. Anticipated future conditions can result in an influx of emergency calls in the Borough.		
Mitigation Category	<input checked="" type="checkbox"/> Local Plans and Regulations (LPR) <input type="checkbox"/> Structure and Infrastructure Project (SIP)	<input type="checkbox"/> Natural Systems Protection (NSP) <input type="checkbox"/> Education and Awareness Programs (EAP)	
CRS Category	<input type="checkbox"/> Preventative Measures (PR) <input type="checkbox"/> Property Protection (PP) <input type="checkbox"/> Public Information (PI)	<input type="checkbox"/> Natural Resource Protection (NR) <input type="checkbox"/> Structural Flood Control Projects (SP) <input checked="" type="checkbox"/> Emergency Services (ES)	
Priority	<input checked="" type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low
Alternatives:	Action	Evaluation	
	No action.	Problem persists.	
	Implement new radio systems for each emergency response department.	Lack of coordination between departments, costly.	
	Utilize call services to coordinate emergency response.	Not reliable, slower process.	



Action 2025-HopatcongB-04. Upgrades to Ambulance Squad Building

Lead Agency:	Ambulance Squad		
Supporting Agencies:	Engineering, Borough Administration		
Hazard(s) of Concern:	<input checked="" type="checkbox"/> Dam Failure <input checked="" type="checkbox"/> Disease Outbreak <input checked="" type="checkbox"/> Drought <input checked="" type="checkbox"/> Earthquake <input checked="" type="checkbox"/> Flood <input checked="" type="checkbox"/> Geological Hazards <input checked="" type="checkbox"/> Hazardous Materials	<input checked="" type="checkbox"/> Hurricane <input type="checkbox"/> Infestation <input checked="" type="checkbox"/> Nor'easter <input checked="" type="checkbox"/> Severe Weather <input checked="" type="checkbox"/> Severe Winter Weather <input checked="" type="checkbox"/> Wildfire	
Description of the Problem:	The Ambulance Squad building (516 River Styx Road) is over 40 years old and deteriorating. This critical facility provides life safety operations for the Borough, protecting and providing care to visitors and residents. Continued impacts from severe weather has caused the structure to become unstable.		
Description of the Solution:	The Borough will continue to explore funding availability and options based on public survey responses to complete the reconstruction of the Ambulance Squad building. Engineering will ensure proposed plans for the Ambulance Squad building are sufficient.		
Estimated Cost:	High		
Potential Funding Sources:	USDA Community Facilities Grant Program, Emergency Management Performance Grants (EMPG) Program, Borough Budget		
Implementation Timeline:	Within 5 years		
Goals Met:	1, 2, 6		
Benefits:	Strengthening the Ambulance Squad facility will benefit the whole community, as emergency responses occur before, during, and after an hazardous event.		
Impact on Socially Vulnerable Populations:	This action will ensure socially vulnerable populations are able to receive adequate emergency care, when needed, by the Ambulance Squad.		
Impact on Future Development:	This action results in protection of a critical facility that could support future development.		
Impact on Critical Facilities/Lifelines:	This action will ensure the operations of the Ambulance Squad are able to continue as anticipated.		
Impact on Capabilities:	This action will maintain the emergency response operations for the Borough by updating and restoring the Ambulance Squad building.		
Climate Change Considerations:	This action takes into consideration climate change impacts to the frequency and severity of hazard events which can have adverse impacts on the deteriorating building.		
Mitigation Category	<input type="checkbox"/> Local Plans and Regulations (LPR) <input checked="" type="checkbox"/> Structure and Infrastructure Project (SIP)	<input type="checkbox"/> Natural Systems Protection (NSP) <input type="checkbox"/> Education and Awareness Programs (EAP)	
CRS Category	<input type="checkbox"/> Preventative Measures (PR) <input type="checkbox"/> Property Protection (PP) <input type="checkbox"/> Public Information (PI)	<input type="checkbox"/> Natural Resource Protection (NR) <input type="checkbox"/> Structural Flood Control Projects (SP) <input checked="" type="checkbox"/> Emergency Services (ES)	
Priority	<input checked="" type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low
Alternatives:	Action	Evaluation	
	No action.	Problem persists.	
	Elevate existing building.	Problem persists for damages from other hazards besides flood.	
	Remove building.	Not an option, lack of facility operations.	



Action 2025-HopatcongB-05. Public Education and Outreach

Lead Agency:	Emergency Management		
Supporting Agencies:	Borough Administration, Sussex County		
Hazard(s) of Concern:	<div> <input checked="" type="checkbox"/> Dam Failure <input checked="" type="checkbox"/> Disease Outbreak <input checked="" type="checkbox"/> Drought <input checked="" type="checkbox"/> Earthquake <input checked="" type="checkbox"/> Flood <input checked="" type="checkbox"/> Geological Hazards <input checked="" type="checkbox"/> Hazardous Materials </div> <div> <input checked="" type="checkbox"/> Hurricane <input checked="" type="checkbox"/> Infestation <input checked="" type="checkbox"/> Nor'easter <input checked="" type="checkbox"/> Severe Weather <input checked="" type="checkbox"/> Severe Winter Weather <input checked="" type="checkbox"/> Wildfire </div>		
Description of the Problem:	The Borough would like to enhance existing outreach and develop additional hazard outreach. The Borough currently does not have a comprehensive education and outreach program. There is a need to educate residents and businesses about hazard mitigation, preparation, response, and recovery utilizing a variety of outreach methods.		
Description of the Solution:	Develop and enhance the public awareness program on hazards, prevention, and mitigation. Continue to work with Sussex County on their program that provides information to the municipalities.		
Estimated Cost:	Low		
Potential Funding Sources:	Municipal Budget		
Implementation Timeline:	2 years		
Goals Met:	1, 2, 3, 7		
Benefits:	This action will improve the current public education and outreach program in the Borough by including discussions on disaster preparedness and hazard mitigation to residents and business owners, which will contribute to the resiliency of the Borough.		
Impact on Socially Vulnerable Populations:	Socially vulnerable populations will learn how to prepare for and mitigate the various hazards which may impact them in the Borough.		
Impact on Future Development:	Not applicable		
Impact on Critical Facilities/Lifelines:	Businesses, which may be considered critical facilities or lifelines, would be more informed on how to prepare for emergency events and mitigate the risks of potential hazards. With these businesses becoming more resilient, this action would contribute to their continuity of operations.		
Impact on Capabilities:	This action would build upon the Borough's already existing public education and outreach program.		
Climate Change Considerations:	Climate change is likely to increase the intensity and frequency of many climate related disaster events. This action will inform residents and business owners of how to reduce risk from hazards and how climate change may exacerbate those risks.		
Mitigation Category	<input type="checkbox"/> Local Plans and Regulations (LPR) <input type="checkbox"/> Natural Systems Protection (NSP) <input type="checkbox"/> Structure and Infrastructure Project (SIP) <input checked="" type="checkbox"/> Education and Awareness Programs (EAP)		
CRS Category	<input type="checkbox"/> Preventative Measures (PR) <input type="checkbox"/> Natural Resource Protection (NR) <input type="checkbox"/> Property Protection (PP) <input type="checkbox"/> Structural Flood Control Projects (SP) <input checked="" type="checkbox"/> Public Information (PI) <input type="checkbox"/> Emergency Services (ES)		
Priority	<input checked="" type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low
Alternatives:	Action	Evaluation	
	No action	Current methods remain the only ones used	
	Rely on state or federal resources	Resources may be generalized and not specific to the risks in the Borough	
	Use only a few methods for distribution	Using only a few methods of distribution may hinder socially vulnerable populations from receiving the guidance	



Action 2025-HopatcongB-06. Dam Repair

Lead Agency:	Engineer						
Supporting Agencies:	Dam Manager, NJDEP Bureau of Dam Safety, County Engineer						
Hazard(s) of Concern:	<div style="display: flex; justify-content: space-between;"> <div> <input checked="" type="checkbox"/> Dam Failure <input type="checkbox"/> Disease Outbreak <input type="checkbox"/> Drought <input type="checkbox"/> Earthquake <input checked="" type="checkbox"/> Flood <input type="checkbox"/> Geological Hazards <input type="checkbox"/> Hazardous Materials </div> <div> <input type="checkbox"/> Hurricane <input type="checkbox"/> Infestation <input type="checkbox"/> Nor'easter <input type="checkbox"/> Severe Weather <input type="checkbox"/> Severe Winter Weather <input type="checkbox"/> Wildfire </div> </div>						
Description of the Problem:	<p>Dams in the municipality and have been found to have either a poor or unsatisfactory safety rating based on their most recent inspections. Dams with poor or unsatisfactory safety ratings have deficiencies that could potentially make dam failure more likely to occur or the consequences of dam failure more significant. The following dams are located in the municipality and have been found to have either a poor or unsatisfactory safety rating based on their most recent inspections:</p> <ul style="list-style-type: none"> Bear Pond Dam E (poor) 						
Description of the Solution:	<p>The municipal engineer will work with dam managers, the NJDEP Bureau of Dam Safety, and the County Engineer to review the most recent inspections of dams in the municipality that have resulted in a poor or unsatisfactory safety rating, identify the deficiencies, determine the necessary repairs and improvements necessary to address the deficiencies, identify available funding sources for the identified repairs/improvements, and implement the cost-effective repairs/improvements.</p>						
Estimated Cost:	Low for initial assessment of options, TBD for total cost based on mitigation actions selected						
Potential Funding Sources:	NJDEP, Annual Budget						
Implementation Timeline:	Within 5 years						
Goals Met:	1, 2, 3						
Benefits:	<p>Dam failure will be avoided, which will reduce the risk of harm to people and property downstream. Certain safety requirements will be met that can allow for funding to be received for further mitigation projects.</p>						
Impact on Socially Vulnerable Populations:	<p>The most vulnerable populations may live directly downstream of the dam and lack the ability to receive notifications of dam failure or evacuate when notified. Preventing dam failure allows those communities to remain intact and reduces the risk of loss of life and property in those areas.</p>						
Impact on Future Development:	Future development downstream of dams will also be protected from dam failure.						
Impact on Critical Facilities/Lifelines:	Critical roads and utilities will be protected from potential damage or loss from unintended dam releases.						
Impact on Capabilities:	Not applicable						
Climate Change Considerations:	<p>Climate change is resulting in an increase to annual precipitation. Much of this increase is in the form of heavy rainfall events. Consideration should be taken for increases in frequency and severity of rainfall events to ensure that the dam is designed to withstand these increases.</p>						
Mitigation Category	<div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> Local Plans and Regulations (LPR) <input checked="" type="checkbox"/> Structure and Infrastructure Project (SIP) </div> <div> <input type="checkbox"/> Natural Systems Protection (NSP) <input checked="" type="checkbox"/> Education and Awareness Programs (EAP) </div> </div>						
CRS Category	<div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> Preventative Measures (PR) <input type="checkbox"/> Property Protection (PP) <input checked="" type="checkbox"/> Public Information (PI) </div> <div> <input type="checkbox"/> Natural Resource Protection (NR) <input checked="" type="checkbox"/> Structural Flood Control Projects (SP) <input type="checkbox"/> Emergency Services (ES) </div> </div>						
Priority	<input checked="" type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low						
Alternatives:	<table border="1" style="width: 100%;"> <thead> <tr> <th style="width: 50%;">Action</th> <th style="width: 50%;">Evaluation</th> </tr> </thead> <tbody> <tr> <td>No action</td> <td>Problem persists</td> </tr> </tbody> </table>			Action	Evaluation	No action	Problem persists
Action	Evaluation						
No action	Problem persists						



	Work without County Engineer involvement	Improvements made but may lack appropriate support from County, including data and potential funding access
	Remove all dams	Without proper analysis, dam removal may increase flooding risk



Action 2025-HopatcongB-07. Code Coordinated Ordinance

Lead Agency:	Floodplain Administrator																
Supporting Agencies:	Construction Official, Construction Department, Borough Administration, NFIP State Coordinator, FEMA Regional Office																
Hazard(s) of Concern:	<table><tr><td><input type="checkbox"/> Dam Failure</td><td><input type="checkbox"/> Hurricane</td></tr><tr><td><input type="checkbox"/> Disease Outbreak</td><td><input type="checkbox"/> Infestation</td></tr><tr><td><input type="checkbox"/> Drought</td><td><input type="checkbox"/> Nor'easter</td></tr><tr><td><input type="checkbox"/> Earthquake</td><td><input type="checkbox"/> Severe Weather</td></tr><tr><td><input checked="" type="checkbox"/> Flood</td><td><input type="checkbox"/> Severe Winter Weather</td></tr><tr><td><input type="checkbox"/> Geological Hazards</td><td><input type="checkbox"/> Wildfire</td></tr><tr><td><input type="checkbox"/> Hazardous Materials</td><td></td></tr></table>			<input type="checkbox"/> Dam Failure	<input type="checkbox"/> Hurricane	<input type="checkbox"/> Disease Outbreak	<input type="checkbox"/> Infestation	<input type="checkbox"/> Drought	<input type="checkbox"/> Nor'easter	<input type="checkbox"/> Earthquake	<input type="checkbox"/> Severe Weather	<input checked="" type="checkbox"/> Flood	<input type="checkbox"/> Severe Winter Weather	<input type="checkbox"/> Geological Hazards	<input type="checkbox"/> Wildfire	<input type="checkbox"/> Hazardous Materials	
<input type="checkbox"/> Dam Failure	<input type="checkbox"/> Hurricane																
<input type="checkbox"/> Disease Outbreak	<input type="checkbox"/> Infestation																
<input type="checkbox"/> Drought	<input type="checkbox"/> Nor'easter																
<input type="checkbox"/> Earthquake	<input type="checkbox"/> Severe Weather																
<input checked="" type="checkbox"/> Flood	<input type="checkbox"/> Severe Winter Weather																
<input type="checkbox"/> Geological Hazards	<input type="checkbox"/> Wildfire																
<input type="checkbox"/> Hazardous Materials																	
Description of the Problem:	<p>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. The Borough's Flood Damage Prevention Ordinance lacks the state mandated freeboard requirement.</p>																
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	<table><tr><td><input checked="" type="checkbox"/> Local Plans and Regulations (LPR)</td><td><input type="checkbox"/> Natural Systems Protection (NSP)</td></tr><tr><td><input type="checkbox"/> Structure and Infrastructure Project (SIP)</td><td><input type="checkbox"/> Education and Awareness Programs (EAP)</td></tr></table>			<input checked="" type="checkbox"/> Local Plans and Regulations (LPR)	<input type="checkbox"/> Natural Systems Protection (NSP)	<input type="checkbox"/> Structure and Infrastructure Project (SIP)	<input type="checkbox"/> Education and Awareness Programs (EAP)										
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<input type="checkbox"/> Structure and Infrastructure Project (SIP)	<input type="checkbox"/> Education and Awareness Programs (EAP)																
CRS Category	<table><tr><td><input checked="" type="checkbox"/> Preventative Measures (PR)</td><td><input type="checkbox"/> Natural Resource Protection (NR)</td></tr><tr><td><input type="checkbox"/> Property Protection (PP)</td><td><input type="checkbox"/> Structural Flood Control Projects (SP)</td></tr><tr><td><input type="checkbox"/> Public Information (PI)</td><td><input type="checkbox"/> Emergency Services (ES)</td></tr></table>			<input checked="" type="checkbox"/> Preventative Measures (PR)	<input type="checkbox"/> Natural Resource Protection (NR)	<input type="checkbox"/> Property Protection (PP)	<input type="checkbox"/> Structural Flood Control Projects (SP)	<input type="checkbox"/> Public Information (PI)	<input type="checkbox"/> Emergency Services (ES)								
<input checked="" type="checkbox"/> Preventative Measures (PR)	<input type="checkbox"/> Natural Resource Protection (NR)																
<input type="checkbox"/> Property Protection (PP)	<input type="checkbox"/> Structural Flood Control Projects (SP)																
<input type="checkbox"/> Public Information (PI)	<input type="checkbox"/> Emergency Services (ES)																
Priority	<input checked="" type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low														
Alternatives:	<table><tr><th>Action</th><th>Evaluation</th></tr><tr><td>No Action</td><td>Current problem exists</td></tr></table>	Action	Evaluation	No Action	Current problem exists												
Action	Evaluation																
No Action	Current problem exists																



	Modify existing flood damage prevention ordinance	Time intensive
	Leave NFIP	Residents lose flood insurance coverage



Action 2025-HopatcongB-08. Disaster Debris Management Plan

Lead Agency:	Emergency Management																
Supporting Agencies:	Public Works, Borough Administration																
Hazard(s) of Concern:	<table><tr><td><input checked="" type="checkbox"/> Dam Failure</td><td><input checked="" type="checkbox"/> Hurricane</td></tr><tr><td><input type="checkbox"/> Disease Outbreak</td><td><input type="checkbox"/> Infestation</td></tr><tr><td><input type="checkbox"/> Drought</td><td><input checked="" type="checkbox"/> Nor'easter</td></tr><tr><td><input checked="" type="checkbox"/> Earthquake</td><td><input checked="" type="checkbox"/> Severe Weather</td></tr><tr><td><input checked="" type="checkbox"/> Flood</td><td><input checked="" type="checkbox"/> Severe Winter Weather</td></tr><tr><td><input checked="" type="checkbox"/> Geological Hazards</td><td><input checked="" type="checkbox"/> Wildfire</td></tr><tr><td><input checked="" type="checkbox"/> Hazardous Materials</td><td></td></tr></table>			<input checked="" type="checkbox"/> Dam Failure	<input checked="" type="checkbox"/> Hurricane	<input type="checkbox"/> Disease Outbreak	<input type="checkbox"/> Infestation	<input type="checkbox"/> Drought	<input checked="" type="checkbox"/> Nor'easter	<input checked="" type="checkbox"/> Earthquake	<input checked="" type="checkbox"/> Severe Weather	<input checked="" type="checkbox"/> Flood	<input checked="" type="checkbox"/> Severe Winter Weather	<input checked="" type="checkbox"/> Geological Hazards	<input checked="" type="checkbox"/> Wildfire	<input checked="" type="checkbox"/> Hazardous Materials	
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<input checked="" type="checkbox"/> Flood	<input checked="" type="checkbox"/> Severe Winter Weather																
<input checked="" type="checkbox"/> Geological Hazards	<input checked="" type="checkbox"/> Wildfire																
<input checked="" type="checkbox"/> Hazardous Materials																	
Description of the Problem:	The Borough currently does not have an adopted debris management plan. Without a plan in place, there are no identified resources in place to properly address debris and do not have identified locations for debris storage.																
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 Met:	5																
Benefits:	The action will result in increased quicker and more efficient cleanup after disaster events.																
Impact on Socially Vulnerable Populations:	Not Applicable																
Impact on Future Development:	Not Applicable																
Impact on Critical Facilities/Lifelines:	Not Applicable																
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	<table><tr><td><input checked="" type="checkbox"/> Local Plans and Regulations (LPR)</td><td><input type="checkbox"/> Natural Systems Protection (NSP)</td></tr><tr><td><input type="checkbox"/> Structure and Infrastructure Project (SIP)</td><td><input type="checkbox"/> Education and Awareness Programs (EAP)</td></tr></table>			<input checked="" type="checkbox"/> Local Plans and Regulations (LPR)	<input type="checkbox"/> Natural Systems Protection (NSP)	<input type="checkbox"/> Structure and Infrastructure Project (SIP)	<input type="checkbox"/> Education and Awareness Programs (EAP)										
<input checked="" type="checkbox"/> Local Plans and Regulations (LPR)	<input type="checkbox"/> Natural Systems Protection (NSP)																
<input type="checkbox"/> Structure and Infrastructure Project (SIP)	<input type="checkbox"/> Education and Awareness Programs (EAP)																
CRS Category	<table><tr><td><input type="checkbox"/> Preventative Measures (PR)</td><td><input type="checkbox"/> Natural Resource Protection (NR)</td></tr><tr><td><input type="checkbox"/> Property Protection (PP)</td><td><input type="checkbox"/> Structural Flood Control Projects (SP)</td></tr><tr><td><input type="checkbox"/> Public Information (PI)</td><td><input checked="" type="checkbox"/> Emergency Services (ES)</td></tr></table>			<input type="checkbox"/> Preventative Measures (PR)	<input type="checkbox"/> Natural Resource Protection (NR)	<input type="checkbox"/> Property Protection (PP)	<input type="checkbox"/> Structural Flood Control Projects (SP)	<input type="checkbox"/> Public Information (PI)	<input checked="" type="checkbox"/> Emergency Services (ES)								
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<input type="checkbox"/> Property Protection (PP)	<input type="checkbox"/> Structural Flood Control Projects (SP)																
<input type="checkbox"/> Public Information (PI)	<input checked="" type="checkbox"/> Emergency Services (ES)																
Priority	<input checked="" type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low														
Alternatives:	<table><tr><th>Action</th><th>Evaluation</th></tr><tr><td>No Action</td><td>Current problem remains</td></tr><tr><td>Rely on federal cleanup</td><td>These services may or may not be available</td></tr><tr><td>Rely on state cleanup</td><td>These services may or may not be available</td></tr></table>	Action	Evaluation	No Action	Current problem remains	Rely on federal cleanup	These services may or may not be available	Rely on state cleanup	These services may or may not be available								
Action	Evaluation																
No Action	Current problem remains																
Rely on federal cleanup	These services may or may not be available																
Rely on state cleanup	These services may or may not be available																



Action 2025-HopatcongB-09. Socially Vulnerable Populations Outreach

Lead Agency:	Emergency Management		
Supporting Agencies:	Borough Administration, Sussex County		
Hazard(s) of Concern:	<input checked="" type="checkbox"/> Dam Failure <input checked="" type="checkbox"/> Disease Outbreak <input checked="" type="checkbox"/> Drought <input checked="" type="checkbox"/> Earthquake <input checked="" type="checkbox"/> Flood <input checked="" type="checkbox"/> Geological Hazards <input checked="" type="checkbox"/> Hazardous Materials	<input checked="" type="checkbox"/> Hurricane <input checked="" type="checkbox"/> Infestation <input checked="" type="checkbox"/> Nor'easter <input checked="" type="checkbox"/> Severe Weather <input checked="" type="checkbox"/> Severe Winter Weather <input checked="" type="checkbox"/> Wildfire	
Description of the Problem:	The Borough does not have any organizations that conduct outreach to socially vulnerable populations and underserved populations. The Borough has struggled with identifying where socially vulnerable populations are located at within the jurisdiction. Identifying and educating these populations can increase resiliency in the Borough and potentially reduce the number of emergency calls during hazardous events.		
Description of the Solution:	Create outreach materials, or utilize those from Sussex County, on hazard risks for socially vulnerable populations. Methods of distribution may include Borough events, the Borough newsletters, social media, the Borough website, and having the materials on display for the public at Borough libraries and offices. Consider hiring staff to work directly with socially vulnerable populations. Work with Sussex County to identify and create a list of socially vulnerable populations utilizing Register Ready.		
Estimated Cost:	Low		
Potential Funding Sources:	Borough Budget, HMGP		
Implementation Timeline:	Within 3 years		
Goals Met:	1, 2, 3, 7		
Benefits:	This action will ensure there is an individual working to identify and work with the socially vulnerable populations in the Borough. Furthermore, this action will create opportunities to educate and inform populations on hazard risks.		
Impact on Socially Vulnerable Populations:	Socially vulnerable populations in the Borough will become educated on hazards risks. The Borough will identify an individual to identify and work with these populations to ensure the most up to date information is being shared.		
Impact on Future Development:	Not applicable		
Impact on Critical Facilities/Lifelines:	Educating populations on hazard risk and how to mitigate the risks can decrease the demand on utilities and emergency services including health and medical, law enforcement, and search and rescue.		
Impact on Capabilities:	This action would build upon the Borough's already existing public education and outreach program. It would also assist the Borough in identifying where socially vulnerable populations are located in the jurisdiction.		
Climate Change Considerations:	Climate change is likely to increase the intensity and frequency of many climate related disaster events. This action will inform residents and business owners of how to reduce risk from hazards and how climate change may exacerbate those risks.		
Mitigation Category	<input type="checkbox"/> Local Plans and Regulations (LPR) <input type="checkbox"/> Structure and Infrastructure Project (SIP)	<input type="checkbox"/> Natural Systems Protection (NSP) <input checked="" type="checkbox"/> Education and Awareness Programs (EAP)	
CRS Category	<input type="checkbox"/> Preventative Measures (PR) <input type="checkbox"/> Property Protection (PP) <input checked="" type="checkbox"/> Public Information (PI)	<input type="checkbox"/> Natural Resource Protection (NR) <input type="checkbox"/> Structural Flood Control Projects (SP) <input type="checkbox"/> Emergency Services (ES)	
Priority	<input checked="" type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low
Alternatives:	Action	Evaluation	
	No action	Current methods remain the only ones used	
	Rely on state or federal resources	Resources may be generalized and not specific to the risks in the Borough	



	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 2025-HopatcongB-10. Flood Mitigation Interest

Lead Agency:	Floodplain Administrator										
Supporting Agencies:	Planning Board, Borough Administration										
Hazard(s) of Concern:	<input type="checkbox"/> Dam Failure <input type="checkbox"/> Disease Outbreak <input type="checkbox"/> Drought <input type="checkbox"/> Earthquake <input checked="" type="checkbox"/> Flood <input type="checkbox"/> Geological Hazards <input type="checkbox"/> Hazardous Materials <input type="checkbox"/> Hurricane <input type="checkbox"/> Infestation <input type="checkbox"/> Nor'easter <input type="checkbox"/> Severe Weather <input type="checkbox"/> Severe Winter Weather <input type="checkbox"/> Wildfire										
Description of the Problem:	The Borough does not have a formalized list of damaged properties or property owners which may be interested in flood mitigation measures, such as elevation or acquisition. Maintaining these lists can assist the Borough in identifying and prioritizing properties to mitigate.										
Description of the Solution:	The Floodplain Administration will develop a list for inventorying system, or properties damaged by flood events and property owners who are interested in flood mitigation measures, such as elevation or acquisition.										
Estimated Cost:	Staff time, Low										
Potential Funding Sources:	Borough Budget										
Implementation Timeline:	Within 2 years										
Goals Met:	1, 2, 5										
Benefits:	Keeping a list of damaged properties and property owners interested in flood mitigation efforts may lead to the elimination of flood damage to homes and residences, which creating an open space for the municipality and increasing flood storage.										
Impact on Socially Vulnerable Populations:	Collecting data regarding homeowners that reside within flood prone areas provides an opportunity to introduce location-specific opportunities for assistance. Removing homes from the floodplain immediately removes the risk to life and property.										
Impact on Future Development:	Increased outreach to homeowners within a flood prone area will limit construction in areas that are prone to hazard events. Homes may be acquired, which will remove those structures from the floodplain and prevent future development on those sites.										
Impact on Critical Facilities/Lifelines:	Removing structures from the floodplain decreases the demand on utilities and emergency services including health and medical, law enforcement, and search and rescue.										
Impact on Capabilities:	This action will create a new Borough capability, while enhancing its current NFIP capabilities.										
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. Areas experiencing flooding conditions may increase. Removing structures from the floodplain will reduce the response and recovery costs as a result of these events and decrease the loss of human life as a result of these events. Elevating structures will reduce the recovery costs as a result of these events.										
Mitigation Category	<input checked="" type="checkbox"/> Local Plans and Regulations (LPR) <input type="checkbox"/> Structure and Infrastructure Project (SIP) <input type="checkbox"/> Natural Systems Protection (NSP) <input type="checkbox"/> Education and Awareness Programs (EAP)										
CRS Category	<input checked="" type="checkbox"/> Preventative Measures (PR) <input type="checkbox"/> Property Protection (PP) <input type="checkbox"/> Public Information (PI) <input type="checkbox"/> Natural Resource Protection (NR) <input type="checkbox"/> Structural Flood Control Projects (SP) <input type="checkbox"/> Emergency Services (ES)										
Priority	<input checked="" type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low								
Alternatives:	<table border="1"> <thead> <tr> <th>Action</th><th>Evaluation</th></tr> </thead> <tbody> <tr> <td>No action</td><td>Current problem remains</td></tr> <tr> <td>Only share opportunities when notified of grant funding</td><td>May not be enough time to garner interest or write application</td></tr> <tr> <td>Wait for information from the State on flood-damaged properties</td><td>May be a delay in notice</td></tr> </tbody> </table>			Action	Evaluation	No action	Current problem remains	Only share opportunities when notified of grant funding	May not be enough time to garner interest or write application	Wait for information from the State on flood-damaged properties	May be a delay in notice
Action	Evaluation										
No action	Current problem remains										
Only share opportunities when notified of grant funding	May not be enough time to garner interest or write application										
Wait for information from the State on flood-damaged properties	May be a delay in notice										



Action 2025-HopatcongB-11. Certified Floodplain Manager Training

Lead Agency:	Floodplain Administrator		
Supporting Agencies:	Construction Official, Construction Department, Borough Administration		
Hazard(s) of Concern:	<input type="checkbox"/> Dam Failure <input type="checkbox"/> Disease Outbreak <input type="checkbox"/> Drought <input type="checkbox"/> Earthquake <input checked="" type="checkbox"/> Flood <input type="checkbox"/> Geological Hazards <input type="checkbox"/> Hazardous Materials <input type="checkbox"/> Hurricane <input type="checkbox"/> Infestation <input type="checkbox"/> Nor'easter <input type="checkbox"/> Severe Weather <input type="checkbox"/> Severe Winter Weather <input type="checkbox"/> Wildfire		
Description of the Problem:	The Borough does not have any certified floodplain managers (CFM) on staff. Becoming a CFM increases the depth of understanding when dealing with FEMA floodplains. The certifications ensures those that bare it understand the regulatory requirements and procedures needed to make floodplain management work effectively and efficiently at the community level.		
Description of the Solution:	Provide training and/or certification for Borough staff with NFIP regulations and floodplain management ordinances. Encourage staff to become Certified Floodplain Managers via the Association of State Floodplain Manager's CFM Certification Program.		
Estimated Cost:	Low		
Potential Funding Sources:	Borough Budget		
Implementation Timeline:	Within 5 years		
Goals Met:	1, 2, 3, 5		
Benefits:	This action will increase the NFIP capabilities of the Borough and assure the Borough's NFIP program has enough staff to accomplish its goals and reach NFIP compliance.		
Impact on Socially Vulnerable Populations:	Officials that are up to date on flood risk are more likely to encourage development outside areas of high flood risk, which is where socially vulnerable populations have historically resided. Safer dwellings may be developed in a less vulnerable location.		
Impact on Future Development:	Officials that understand best practices in floodplain management will have the opportunity to influence future development and prevent unsafe building in flood hazard areas.		
Impact on Critical Facilities/Lifelines:	The opportunity will exist for leaders and operators of utilities and other essential services to attend training and provide direction on ways the prepare for, plan for, and prevent interruptions in service as a result of a flood.		
Impact on Capabilities:	This action will enhance the Borough's current NFIP capabilities.		
Climate Change Considerations:	Climate change is likely to increase the intensity and frequency of many climate related disaster events. This action will educate staff on NFIP regulations to assist with the flood hazard.		
Mitigation Category	<input type="checkbox"/> Local Plans and Regulations (LPR) <input type="checkbox"/> Structure and Infrastructure Project (SIP) <input type="checkbox"/> Natural Systems Protection (NSP) <input checked="" type="checkbox"/> Education and Awareness Programs (EAP)		
CRS Category	<input type="checkbox"/> Preventative Measures (PR) <input type="checkbox"/> Property Protection (PP) <input checked="" type="checkbox"/> Public Information (PI) <input type="checkbox"/> Natural Resource Protection (NR) <input type="checkbox"/> Structural Flood Control Projects (SP) <input type="checkbox"/> Emergency Services (ES)		
Priority	<input checked="" type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low
Alternatives:	Action	Evaluation	
	No Action	Current problem remains	
	Hire outside contractors for floodplain administration	Costly	
	Establish shared service agreements for floodplain administration from neighboring municipalities	Neighboring municipalities are unlikely to have the staff capacity to take on this role	



Action 2025-HopatcongB-12. Repetitive Loss Properties

Lead Agency:	Floodplain Administrator		
Supporting Agencies:	Sussex County, Property Owners		
Hazard(s) of Concern:	<input type="checkbox"/> Dam Failure <input type="checkbox"/> Disease Outbreak <input type="checkbox"/> Drought <input type="checkbox"/> Earthquake <input checked="" type="checkbox"/> Flood <input type="checkbox"/> Geological Hazards <input type="checkbox"/> Hazardous Materials <input type="checkbox"/> Hurricane <input type="checkbox"/> Infestation <input type="checkbox"/> Nor'easter <input type="checkbox"/> Severe Weather <input type="checkbox"/> Severe Winter Weather <input type="checkbox"/> Wildfire		
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 Borough has one repetitive loss property, but other properties may be impacted by flooding as well.		
Description of the Solution:	The Borough will promote and support non-structural flood hazard mitigation alternatives for at risk properties within the floodplain, including those that have been identified as Repetitive Loss (RL), such as acquisition/relocation or elevation depending on feasibility. The parameters for this initiative would be funding, benefits versus cost, and willing participation of property owners.		
Estimated Cost:	Medium		
Potential Funding Sources:	FEMA FMA, FMA SWIFT, Municipal Budget, County Budget, Property Owners		
Implementation Timeline:	3 years		
Goals Met:	2, 3		
Benefits:	This action would foster comprehensive floodplain management by removing at risk properties from the flood hazard area or elevating properties to reduce the flood risk.		
Impact on Socially Vulnerable Populations:	Socially vulnerable populations may be able to have houses elevated or acquired when it would otherwise be unaffordable.		
Impact on Future Development:	Increased outreach to homeowners within a flood prone area will limit construction in areas that are prone to hazard events. Homes may be acquired, which will remove those structures from the floodplain and prevent future development on those sites.		
Impact on Critical Facilities/Lifelines:	Removing structures from the floodplain decreases the demand on utilities and emergency services including health and medical, law enforcement, and search and rescue.		
Impact on Capabilities:	This action will enhance the Borough's current NFIP capabilities.		
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.		
Mitigation Category	<input type="checkbox"/> Local Plans and Regulations (LPR) <input checked="" type="checkbox"/> Structure and Infrastructure Project (SIP) <input type="checkbox"/> Natural Systems Protection (NSP) <input type="checkbox"/> Education and Awareness Programs (EAP)		
CRS Category	<input type="checkbox"/> Preventative Measures (PR) <input checked="" type="checkbox"/> Property Protection (PP) <input type="checkbox"/> Public Information (PI) <input type="checkbox"/> Natural Resource Protection (NR) <input checked="" type="checkbox"/> Structural Flood Control Projects (SP) <input type="checkbox"/> Emergency Services (ES)		
Priority	<input checked="" type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low
Alternatives:	Action	Evaluation	
	No action	Current problem continues	
	Construct flood walls/barriers around vulnerable areas	Costly and can divert floodwaters to other areas	
	Deployable flood barriers for vulnerable areas	Requires a great deal of work to implement prior to each event	



Action 2025-HopatcongB-13. Firewise Program Participation

Lead Agency:	Fire Department		
Supporting Agencies:	Borough Administration		
Hazard(s) of Concern:	<input type="checkbox"/> Dam Failure <input type="checkbox"/> Disease Outbreak <input type="checkbox"/> Drought <input type="checkbox"/> Earthquake <input type="checkbox"/> Flood <input type="checkbox"/> Geological Hazards <input type="checkbox"/> Hazardous Materials <input type="checkbox"/> Hurricane <input type="checkbox"/> Infestation <input type="checkbox"/> Nor'easter <input type="checkbox"/> Severe Weather <input type="checkbox"/> Severe Winter Weather <input checked="" type="checkbox"/> Wildfire		
Description of the Problem:	The national Firewise USA® recognition program provides a collaborative framework to help neighbors in a geographic area get organized, find direction, and take action to increase the ignition resistance of their homes and community and to reduce wildfire risks at the local level. The Borough is currently not part of the Firewise program.		
Description of the Solution:	The Borough will follow the proper steps in applying for and becoming a Firewise community. This includes forming a board/committee, obtaining a wildfire risk assessment, developing an action plan, and hosting outreach events and programs. The Borough will also create an education program and set up town hall meetings.		
Estimated Cost:	Low		
Potential Funding Sources:	Municipal Budget		
Implementation Timeline:	3 years		
Goals Met:	1, 2, 3, 4, 5		
Benefits:	The national Firewise USA recognition program provides a collaborative framework to help neighbors in a geographic area get organized, find direction, and take action to increase the ignition resistance of their homes and community and to reduce wildfire risks at the local level.		
Impact on Socially Vulnerable Populations:	Socially vulnerable populations in the Borough may be located within very high and high fuel risk areas for wildfires. Participation in the Firewise Program will assist in the Borough's efforts to educate populations on how to increase the ignition resistance of their home and property.		
Impact on Future Development:	Participation in this program requires a community wildfire assessment to be completed, which should be a community-wide view that identifies areas of successful wildfire risk reduction and areas where improvements could be made. This assessment may identify areas which the Borough would like to restrict future development.		
Impact on Critical Facilities/Lifelines:	Participation in this program requires a community wildfire assessment to be completed, which should be a community-wide view that identifies areas of successful wildfire risk reduction and areas where improvements could be made, which could include relocating various critical facilities or lifelines.		
Impact on Capabilities:	This action will increase wildfire risk reduction and response capabilities for the Borough.		
Climate Change Considerations:	Higher temperatures are expected to increase the amount of moisture that evaporates from land and water. These changes have the potential to lead to more frequent and severe droughts, which, in turn, increases the likelihood of wildfires.		
Mitigation Category	<input type="checkbox"/> Local Plans and Regulations (LPR) <input type="checkbox"/> Structure and Infrastructure Project (SIP) <input type="checkbox"/> Natural Systems Protection (NSP) <input checked="" type="checkbox"/> Education and Awareness Programs (EAP)		
CRS Category	<input type="checkbox"/> Preventative Measures (PR) <input type="checkbox"/> Property Protection (PP) <input checked="" type="checkbox"/> Public Information (PI) <input type="checkbox"/> Natural Resource Protection (NR) <input type="checkbox"/> Structural Flood Control Projects (SP) <input type="checkbox"/> Emergency Services (ES)		
Priority	<input checked="" type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low
Alternatives:	Action		Evaluation
	No Action		The Borough does not participate in the Firewise Program
	Complete half of the program requirements		The Borough would not be eligible to participate in the Firewise Program



	Participate in the program, but do not utilize resources	The Borough would miss opportunities to strengthen communication and safety skills
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