

**ANNEX 35: TOWNSHIP OF ROXBURY**

**1 COMMUNITY CAPABILITIES ASSESSMENT**

Table 1 through Table 6 summarizes the different community capabilities and tools that are available to the community to potentially assist in mitigating the impacts of hazards.

**1.1 PLANNING, LEGAL AND REGULATORY CAPABILITIES**

The table below summarizes the legal and regulatory tools that are available to the Township of Roxbury and where hazard mitigation has been integrated.

**Table 1: Planning, Legal and Regulatory Capability**

	Do you have this? (Yes/No)	Authority that enforces (Federal, State, Regional, County, Local)	Is this State Mandated?	Has the HMP been integrated in the last 5 years ? If yes- how?	
				If yes- how? Describe in comments	If no - can it be a mitigation action? If yes, add Mitigation Action #.
<b>Codes, Ordinances, &amp; Requirements</b>					
<b>Building Code</b>	Yes	State, Local, Building Code Official	Yes	No	-
<b>Comment:</b> The Township follows the State Uniform Construction Code Act (N.J.S. 52:27D-119 et seq.), Chapter IX of Revised General Ordinance					
<b>Zoning Code</b>	Yes	Local, Zoning Board	Yes	Yes	-
<b>Comment:</b> Chapter 13 (Land Development) – Section 7 outlines the zoning regulations for the Township. The provisions of this section must be held to be minimum requirements adopted for the promotion of public health, safety, morals, and general welfare. Any development in the Township should be laid out to avoid adversely affecting ground water and aquifer recharge; to reduce cut and fill; to avoid unnecessary impervious cover; to prevent flooding; to provide adequate access to lots and sites; to protect scenic views; and to mitigate adverse effects of shadow, noise, odor, traffic, drainage, and utilities on neighboring properties. All applications for zoning permits must provide documentation of compliance with all applicable requirements of local, County, State and Federal governmental ordinances, statutes and regulations, pertaining to the proposed use, structure and/or building, including without limitation the Highlands Act and its implementing regulations.					
<b>Subdivisions</b>	Yes	Local	Yes	Yes	-
<b>Comment:</b> Chapter XIII of Revised General Ordinance, Article III, Section 13-3.1 – subdivision plat shall be designed to encourage good planning concepts and quality development patterns within the municipality and conform to the Master Plan and Official Map					
<b>Stormwater Management</b>	Yes	Local, Engineer	Yes	Yes	-
<b>Comment:</b> Chapter XIII of Revised General Ordinances, Section 13-8.4					
<ul style="list-style-type: none"> <li>• Municipal Separate Storm Sewer System (MS4): Chapter III of Revised General Ordinances, Section 3-25, Chapter XXII of Revised General Ordinances, Section 22-7.10</li> <li>• The Planning and Zoning Boards review projects to ensure compliance with stormwater regulations before issuing preliminary or final subdivision or site plan approvals. All new residential developments or redevelopments that</li> </ul>					

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	Do you have this? (Yes/No)	Authority that enforces (Federal, State, Regional, County, Local)	Is this State Mandated?	Has the HMP been integrated in the last 5 years ? If yes- how?	
				If yes- how? Describe in comments	If no - can it be a mitigation action? If yes, add Mitigation Action #.
are subject to the Residential Site Improvement Standards for stormwater management are in compliance with those standards. All new non-residential projects that are not subject to the Residential Site Improvement Standards are required to be in compliance with the Township's Stormwater Management section of the Land Development Ordinance.					
<b>Post-Disaster Recovery</b>	No	-	-	-	-
<b>Comment:</b>					
<b>Real Estate Disclosure</b>	Yes	State, Division of Consumer Affairs	Yes	-	-
<b>Comment:</b> N.J.A.C. 13:45A-29.1					
<b>Growth Management</b>	No	-	-	-	-
<b>Comment:</b>					
<b>Site Plan Review</b>	Yes	Local, Zoning Board	Yes	-	-
<b>Comment:</b> Chapter XIII of Revised General Ordinance, Article III, Section 13-7.824; the Planning Board and Zoning Board of Adjustment have the power to grant waivers from a design standard requirements for site plan approvals. The Planning Board conducts the site plan reviews and approves or denies the plan.					
<b>Environmental Protection</b>	Yes	Federal, State and Local	Yes	-	-
<b>Comment:</b>					
<b>Flood Damage Prevention</b>	Yes	Federal, State, Local, Construction Code Official	Yes	Yes	-
<b>Comment:</b> Chapter XIII of Revised General Ordinance, Article III, Section 13-7.823 <ul style="list-style-type: none"> <li>NFIP: Freeboard, Chapter XIII of Revised General Ordinance, Article III, Section 13-7.824</li> <li>States that no development can take place or no structure can be built or substantially improved with any flood hazard area unless and until a development plan is submitted to the Planning Board for approval.</li> <li>Lands in the floodplain shall be preserved to the maximum extent consistent with the reasonable utilization of land.</li> </ul>					
<b>Wellhead Protection</b>	Yes	Local	No	No	-
<b>Comment:</b> Chapter 13 (Land Development) Section 7 (Protection of Critical Aquifer Recharge Areas) – these areas include those areas identified by the USGS in its "Alamontong Wellhead Protection Study" as areas of 12 years or less travel time of recharge to actual or potential public water supply wellheads. Category 1 Areas are those identified in the USGS Study as having a recharge travel time to such wellheads of 5 years or less. Category 2 Areas include all other Critical Aquifer Recharge Areas with recharge-to-wellhead travel time of greater than 5 years but not greater than 12 years.					
<b>Emergency Management</b>	Yes	Local	No	-	-
<b>Comment:</b>					

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				If yes- how? Describe in comments	If no - can it be a mitigation action? If yes, add Mitigation Action #.
<b>Climate Change</b>	No	-	-	-	-
<b>Comment:</b>					
<b>Disaster Recovery Ordinance</b>	No	-	-	-	-
<b>Comment:</b>					
<b>Disaster Reconstruction Ordinance</b>	No	-	-	-	-
<b>Comment:</b>					
<b>Other</b>	No	-	-	-	-
<b>Comment:</b>					
<b>Planning Documents</b>					
<b>Comprehensive / Master Plan</b>	Yes	Local, Planning Board	Yes	Yes	-
<p><b>Comment:</b> 7-11-2000, 2017 Periodic Reexamination Report of the Master Plan and Development Regulations of the Township of Roxbury; adopted August 2, 2017; Planning Board is responsible for maintaining and updating.</p> <ul style="list-style-type: none"> <li>One of the goals of the plan is to implement the requirements of Highland Plan Conformance for the Preservation Area portion of the Township. Land use restrictions in the Preservation Area are governed by the Highlands Act and rezoning at the municipal level for these areas is not necessary. The plan also references the stormwater ordinance and plan.</li> <li>In the 2009 Land Use Element Update, several of the goals pertain to alleviating flooding from storm drainage and discouraging development in the flood hazard areas. The Land Use Plan also recognizes the adoption of the Highlands Master Plan and the requirement of conformance of the Township's land located in the Preservation Area (over 30% of the Township is located in the Preservation Area). Lastly, the Land Use Plan Element is consistent with the Morris County Future Land Use Plan, and the Solid Waste Management Plan utilizing environmental considerations in land use decisions and promoting clustering to preserve environmentally sensitive lands are consistent with the municipal plans.</li> </ul>					
<b>Capital Improvement Plan</b>	Yes	Local, Manager	No	-	-
<b>Comment:</b> Capital Improvement is included in the Township's annual budget. The budget includes line items for equipment for snow removal, fire equipment, and money put aside for capital improvement projects.					
<b>Disaster Debris Management Plan</b>	No	-	-	-	-
<b>Comment:</b>					
<b>Floodplain or Watershed Plan</b>	Yes	Federal, State, Local	Yes	-	-
<b>Comment:</b>					
<b>Stormwater Management Plan</b>	Yes	Local, Planning Board	Yes	-	-
<b>Comment:</b> Township of Roxbury Municipal Stormwater Management Plan, 12/2006; the Township has stormwater management information available on their website that informs the public what stormwater is and how to conserve water.					

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	Do you have this? (Yes/No)	Authority that enforces (Federal, State, Regional, County, Local)	Is this State Mandated?	Has the HMP been integrated in the last 5 years ? If yes- how?	
				If yes- how? Describe in comments	If no - can it be a mitigation action? If yes, add Mitigation Action #.
<b>Stormwater Pollution Prevention Plan</b>	Yes	Local, State	Yes	No	No
<b>Comment:</b> Township of Roxbury Stormwater Pollution Prevention Plan, revised April 29, 2022 – includes information on the Township’s NJPDES permits. The Plan outlines the responsibilities the Township has with regards to stormwater pollution prevention. This includes public outreach and education and maintenance programs to reduce pollution and runoff.					
<b>Urban Water Management Plan</b>	No	-	-	-	-
<b>Comment:</b>					
<b>Habitat Conservation Plan</b>	No	-	-	-	-
<b>Comment:</b>					
<b>Economic Development Plan</b>	Yes	Local	No	-	-
<b>Comment:</b>					
<b>Shoreline Management Plan</b>	No	-	-	-	-
<b>Comment:</b>					
<b>Community Wildfire Protection Plan</b>	No	-	-	-	-
<b>Comment:</b>					
<b>Community Forest Management Plan</b>	Yes	Local	No	No	No
<b>Comment:</b> 2016-2020 Community Forestry Management Plan. The purpose of the plan is to improve the quality of life in the Township by maximizing the environmental, social, and economic benefits of trees to the community while minimizing the associated costs and liabilities.					
<b>Transportation Plan</b>	No	-	-	-	-
<b>Comment:</b>					
<b>Agriculture Plan</b>	No	-	-	-	-
<b>Comment:</b>					
<b>Climate Action Plan</b>	No	-	-	-	-
<b>Comment:</b>					
<b>Tourism Plan</b>	No	-	-	-	-
<b>Comment:</b>					
<b>Business Development Plan</b>	No	-	-	-	-
<b>Comment:</b>					
<b>Other</b>	No	-	-	-	-
<b>Comment:</b>					
<b>Response/Recovery Planning</b>					

	Do you have this? (Yes/No)	Authority that enforces (Federal, State, Regional, County, Local)	Is this State Mandated?	Has the HMP been integrated in the last 5 years ? If yes- how?	
				If yes- how? Describe in comments	If no - can it be a mitigation action? If yes, add Mitigation Action #.
<b>Comprehensive Emergency Management Plan (CEMP) / Emergency Operations Plan (EOP)</b>	Yes	Local, OEM, Engineer	Yes	-	-
<b>Comment:</b> Municipal EOP and includes post-disaster recovery plan and a continuity of operations plan					
<b>Threat &amp; Hazard Identification &amp; Risk Assessment (THIRA)</b>	No	-	-	-	-
<b>Comment:</b>					
<b>Post-Disaster Recovery Plan</b>	Yes	Local, OEM, Engineer	No	-	-
<b>Comment:</b> Municipal EOP					
<b>Continuity of Operations Plan</b>	Yes	Local	No	-	-
<b>Comment:</b>					
<b>Public Health Plan</b>	No	-	-	-	-
<b>Comment:</b>					
<b>Other</b>	Yes	Local, OEM, Engineer	No	-	-
<b>Comment:</b>					
<ul style="list-style-type: none"> <li>• Emergency Response Plan, Municipal EOP</li> <li>• Strategic Recovery Planning Report, Municipal EOP</li> </ul>					

**Table 2: Development and Permitting Capability**

Criterion	Response
Does your jurisdiction issue development permits? - If no, who does? If yes, which department?	Yes – Planning and Zoning
Does your jurisdiction have the ability to track permits by hazard area?	Yes
Does your jurisdiction have a buildable lands inventory? -If yes, please describe briefly. -If no, please quantitatively describe the level of buildout in the jurisdiction.	Yes – Part of the Highlands work that the Township conducted, did a property-by-property

## 1.2 ADMINISTRATIVE AND TECHNICAL CAPABILITIES

The table below summarizes potential staff and personnel resources available to the Township of Roxbury.

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**Table 3: Administrative and Technical Capabilities**

Staff/Personnel Resource	Available?	Department/Agency/Position
<b>Administrative Capability</b>		
Planning Board	Yes	Roxbury Township Planning Board
Mitigation Planning Committee	No	-
Environmental Board / Commission	Yes	The Roxbury Environmental Commission (REC) is comprised of volunteer Roxbury residents, appointed by the Mayor. The commission advises the Mayor and Council, as well as Township officials, including the Planning and Zoning Boards regarding environmental issues and actions that can affect the inhabitants and natural resources of the community. The REC holds information meetings with the general public on various environmental topics including illicit connections and improper waste disposal.
Open Space Board / Committee	Yes	Open Space Advisory Committee
Economic Development Commission / Committee	Yes	Roxbury Township Economic Development Committee - serves as an ally for companies seeking a new location and those already operating in Roxbury. Their mission is to create a more vibrant and cultivated community by developing and providing data and information to assist businesses in their expansion in and/or relocation to Roxbury Township
Warning Systems / Services (reverse 911, outdoor warning signals)	Yes	Morris County reverse 911 (RAVE), social media and municipal website
Maintenance program to reduce risk	Yes	Tree trimming through the DPW; rehabilitation of sanitary manholes and mains to decrease storm water infiltration; street sweeping; catch basin cleaning program
Mutual aid agreements	Yes	Surrounding municipalities
<b>Technical/Staffing Capability</b>		
Planners or engineers with knowledge of land development and land management practices	Yes	Planning/Engineering
Engineers or professionals trained in building or infrastructure construction practices	Yes	Construction / Engineering
Planners or engineers with an understanding of natural hazards	Yes	Planner
Staff with training in benefit/cost analysis	No	-
Staff with training in green infrastructure	No	-
Staff with education/knowledge/training in low impact development	No	-
Surveyor	No	-
Stormwater engineer	Yes	Planning Board Engineer
Personnel skilled or trained in GIS applications	Yes	Engineering Dept. staff
Local or state water quality professional	No	-
Scientist familiar with natural hazards in local area	No	-
Emergency manager	Yes	OEM Director
Grant writers	Yes	Township staff
Resilience Officer	No	-
Watershed planner	No	-

Staff/Personnel Resource	Available?	Department/Agency/Position
Environmental specialist	No	-
Other	No	-

### 1.3 FISCAL CAPABILITIES

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

Table 4: Fiscal Capabilities

Financial Resource	Accessible or Eligible to Use?
Community Development Block Grants (CDBG, CDBG-DR)	Yes
Capital Improvements Project Funding	Yes
Authority to Levy Taxes for Specific Purposes	Yes
User Fees for Water, Sewer, Gas or Electric Service	Yes
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
State-Sponsored Grant Programs	Yes
Development Impact Fees for Homebuyers or Developers	Yes
Clean Water Act 319 Grants (Nonpoint Source Pollution)	Yes
Other	No

### 1.4 EDUCATION AND OUTREACH CAPABILITIES

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

Table 5: Education and Outreach Capabilities

Criterion	Response
Do you have a public information officer or communications office?	No
Do you have personnel skilled or trained in website development?	Yes
Do you have hazard mitigation information available on your website? • If yes, briefly describe.	Yes – Township traffic alerts, emergency alerts, no parking alerts
Do you use social media for hazard mitigation education and outreach? • If yes, briefly describe.	Yes – Municipal website, Facebook, Twitter, Reverse 911
Do you have any citizen boards or commissions that address issues related to hazard mitigation? • If yes, briefly describe.	No
Do you have any other programs already in place that could be used to communicate hazard-related information? • If yes, briefly describe.	Yes – Municipal newsletter, tax bills can both be used to include hazard-related information
Do you have any established warning systems for hazard events? • If yes, briefly describe.	Yes - Morris County reverse 911 (RAVE), social media and municipal website are all used to provide emergency notifications and other information to the Township

### 1.5 COMMUNITY CLASSIFICATIONS

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

**Table 6: Community Classifications**

Program	Participating?	Classification	Date Classified
Community Rating System	No	N/A	N/A
Building Code Effectiveness Grading Schedule (BCEGS)	No	N/A	N/A
Public Protection (Fire ISO Protection Class)	Yes	04/4Y	May 11, 2022
Storm Ready Certification	No	N/A	N/A
Firewise Community Classification	No	N/A	N/A
Sustainable Jersey	No	N/A	N/A

## 1.6 NATIONAL FLOOD INSURANCE PROGRAM COMPLIANCE

This section provides specific information on the management and regulation of the regulatory floodplain.

**Table 7: National Flood Insurance Program Compliance**

Criterion	Response
What local department is responsible for floodplain management?	Engineering Department
Who is your floodplain administrator? (name, department/position)	Municipal Engineer
Are any certified floodplain managers on staff in your jurisdiction?	Yes
What is the date that your flood damage prevention ordinance was last amended?	2001 – part of the Township’s Land Development ordinance
Does your floodplain management program meet or exceed minimum requirements? <ul style="list-style-type: none"> <li>If exceeds, in what ways?</li> </ul>	Meets the minimum
When was the most recent Community Assistance Visit or Community Assistance Contact?	According to data provided by FEMA, a CAV or CAC has not been conducted for the Township
Does your jurisdiction have any outstanding NFIP compliance violations that need to be addressed? <ul style="list-style-type: none"> <li>If so, state what they are.</li> </ul>	No
Are any RiskMAP projects currently underway in your jurisdiction? <ul style="list-style-type: none"> <li>If so, state what they are.</li> </ul>	No
Do your flood hazard maps adequately address the flood risk within your jurisdiction? <ul style="list-style-type: none"> <li>If no, state why.</li> </ul>	No – Outdated (~1980s) and show too many areas that are flood prone that really are not flood prone or questionable
Does your floodplain management staff need any assistance or training to support its floodplain management program? <ul style="list-style-type: none"> <li>If so, what type of assistance/training is needed?</li> </ul>	Yes - Continuing education and/or certification training on floodplain management
Does your jurisdiction participate in the Community Rating System (CRS)? <ul style="list-style-type: none"> <li>If yes, is your jurisdiction interested in improving its CRS Classification?</li> <li>If no, is your jurisdiction interested in joining the CRS program?</li> </ul>	No, has considered joining
How many flood insurance policies are in force in your jurisdiction? <ul style="list-style-type: none"> <li>What is the insurance in force?</li> <li>What is the premium in force?</li> </ul>	52 Policies In-Force. \$15,759,000 Insurance In-Force. \$32,986 Premium In-Force.
How many total loss claims have been filed in your jurisdiction? <ul style="list-style-type: none"> <li>How many claims are still open or were closed without payment?</li> <li>What were the total payments for losses?</li> </ul>	32 total Claims. 0 claims still open. 14 claims closed without payment. \$89,403 total claim amount.
Do you maintain a list of properties that have been damaged by flooding?	Yes

Criterion	Response
Do you maintain a list of property owners interested in flood mitigation?	No – No interest within Township

## 2 HAZARD ANALYSIS AND RISK ASSESSMENT

### 2.1 HAZARD AREA EXTENT AND LOCATION

Hazard area extent and location maps were generated for the Township of Roxbury that illustrate the probable areas impacted within the municipality. 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 have been generated only for those hazards that can be clearly identified using mapping techniques and technologies and for which the Township of Roxbury has significant exposure. Refer to Figure 1 and Figure 2.

### 2.2 REPETITIVE FLOOD LOSSES

The following summarizes the repetitive and severe repetitive flood losses in the Township of Roxbury.

- Number of repetitive loss (RL) properties: 0
- Number of severe repetitive loss (SRL) properties: 0
- Number of RL/SRL properties that have been mitigated: 0

### 2.3 CRITICAL FACILITIES

The table below identifies critical facilities in the community located in the 1-percent and 0.2-percent floodplain.

**Table 8: Potential Flood Losses to Critical Facilities and Lifelines**

Name	Type	1% Event	0.2% Event
Lake Hopatcong Dam	Dam	X	X

Source:  
\*Identified lifeline

### 2.4 HAZARD RANKING

This section includes the community specific identification of the primary hazard concerns based on identified problems, impacts and the results of the risk assessment as presented in Section 3 (Risk Assessment). The ranking process involves an assessment of the likelihood of occurrence for each hazard; its potential impacts on people, property, and the economy; community capability and changing future climate conditions. This input supports the mitigation action development to target those hazards with highest level of concern.

Each plan participant may have differing degrees of risk exposure and vulnerability compared to Morris County as a whole. Therefore, each jurisdiction ranked the degree of risk to each hazard as it pertains to their community factoring in their capabilities to withstand impacts and bounce back after the event.

The table below summarizes the hazard rankings of potential natural hazards for the Township of Roxbury. The Township of Roxbury has reviewed the Morris County hazard ranking table, as well as its individual results, to reflect the relative risk of the hazards of concern to the community.

**Table 9 Township of Roxbury Hazard Ranking Input**

Hazard	Ranking	Hazard	Ranking
Drought	Low	Hazardous Substances	Medium
Earthquake	Medium	Severe Weather	Medium
Extreme Temperature	Low	Severe Winter Storm	Medium
Flood	Low	Wildfire	Low
Geological Hazards	Medium		

## 2.5 COMPLETED ACTIONS

Roxbury reported the following completed actions.

2020 Action	Mitigation Action Name	Project Description	Project Result
2020-Roxbury-003	Ledgewood Pond Dam Renovation	The dam located at Ledgewood Pond does not meet NJDEP regulations. Additionally, the spillway needs to be stabilized. Reconstruct the Ledgewood Pond Dam to meet current NJDEP standards and stabilize the spillway. This will increase the integrity of the dam.	Project completed.

## 2.6 CANCELLED ACTIONS

Roxbury reported the following cancelled actions.

2020 Action	Mitigation Action Name	Project Description	Justification
2020-Roxbury-002	Comprehensive Emergency Planning Revision for Roxbury Township	The current CEMP for the Township is outdated and in need of updating. Work with Morris County OEM to update the Township's CEMP to meet county and state requirements.	Preparedness activity, not hazard mitigation.

**2.7 HAZARD MITIGATION STRATEGY**

**2.7.1 BACKGROUND INFORMATION**

Action	Jurisdiction	Mitigation Action Name	What is the problem the action is solving?	How does the action solve the problem?	Is this a continuing action from 2020 plan?  Yes/No	2024 Project Status Provided by Respondent (not applicable to any new actions)  Not Started In Progress
1	Roxbury Township	Upgrade of Culvert at Hillside Avenue and Route 46	The culvert located at Hillside Avenue and Route 46 is inadequate in size. This leads to periodic roadway flooding	Replace the culvert at Hillside Avenue and Route 46.	Yes	Not Started
2	Roxbury Township	Detention basin upgrade located at Whitegate Road	Downstream from the detention basin on Whitegate Road is need of repair. It causes flooding downstream which leads to erosion.	Reconstruct the detention basin outlet on Whitegate Road and reconstruct the berm.	Yes	Not Started
3	Roxbury Township	Conduct an inundation study of the Lake Hopatcong Dam	An inundation study is needed on the dam.	The Lake Hopatcong Dam is a state-owned dam	Yes	Not Started
4	Roxbury Township	Waterbody Maintenance and Sediment Removal	The Lamington River, Drakes Brook, and Succasunna Brook all flow through the Township. The Township does not have jurisdiction over these bodies of water and cannot perform the proper maintenance needed to reduce flooding and closed roadways. Debris and sediment need to be	The Township will work with the NJDEP to develop a stream maintenance program to reduce the buildup of debris and sediment. This will reduce the potential for flooding and road closures and will also reduce the amount of overtime for police and DPW.	Yes	Not Started

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Action	Jurisdiction	Mitigation Action Name	What is the problem the action is solving?	How does the action solve the problem?	Is this a continuing action from 2020 plan? Yes/No	2024 Project Status Provided by Respondent (not applicable to any new actions)  Not Started In Progress
			removed on a routine basis to allow the natural flow of water during heavy rain events. Township police and DPW staff are needed for traffic control and detour assistance.			
5	Roxbury Township	Emergency Generator for Township Senior Center	The Township's Senior Center is used as a shelter during an emergency. However, the center does not have a source of backup power. In the event of a utility outage, the center cannot serve as a proper shelter	Working with the engineer, determine the appropriate size generator to power the Senior Center. Once determined, purchase the generator and install it.	Yes	Not Started
6	Roxbury Township	Feasibility Study of Flood prone Roadways in the Township	There are many roadways that are susceptible to flooding in the Township. This leads to road closures, police and DPW overtime, creates driving hazards, and damages infrastructure.	Conduct a feasibility study to determine the source (or sources) of flooding in the Township and identify mitigation options to reduce or alleviate the problem. The Township will review the findings and determine the appropriate project(s) to implement and begin implementation.	Yes	Not Started

2.7.2 IMPLEMENTATION INFORMATION

	What is the main hazard from the 2025 update that the action mitigates?	List any additional hazards from the 2025 mitigation plan update that the action mitigates	What is the main goal that the action addresses?	List any additional goals that the action addresses	What agencies will lead the implementation of this action?	What agencies will support the implementation of this action?	What are potential sources of funding that can support this mitigation action?	What benefits does this action provide?
1	Severe Weather	N/A	Goal 1	N/A	<u>County Engineer, Township Engineer</u>	N/A	EPA Clean Water Act Section 319, Township Budget	Allows drainage to flow through; reduces roadway flooding during heavy rain; allows road to remain open
2	Severe Weather	N/A	Goal 1	N/A	<u>Township Engineer with support from NJDEP</u>	N/A	NJDEP Dam Restoration Loan Program	Dam will meet NJDEP standards and provide protection
3	Severe Weather	N/A	Goal 1	N/A	<u>Township Engineer</u>	N/A	NJDEP Water Quality Restoration Grants, CDBG-DR	Reduce flooding; increase integrity of the detention basin
4	Severe Weather	N/A	Goal 4	N/A	<u>NJDEP, Morris County and Sussex County, Local Municipalities</u>	N/A	NJDEP Dam Restoration Loan Program	Identifies flood-prone areas in and around the dam

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	What is the main hazard from the 2025 update that the action mitigates?	List any additional hazards from the 2025 mitigation plan update that the action mitigates	What is the main goal that the action addresses?	List any additional goals that the action addresses	What agencies will lead the implementation of this action?	What agencies will support the implementation of this action?	What are potential sources of funding that can support this mitigation action?	What benefits does this action provide?
5	Severe Weather	N/A	Goal 1	N/A	<u>NJDEP with support from Township Administration</u>	N/A	FEMA FMA and HMGP, NJDEP flood Hazard Risk Reduction and Resiliency Grant Program	Reduce manpower needed for detouring traffic, reduce or eliminate roadway flooding and road closures
6	Severe Weather	N/A	Goal 1	N/A	<u>Township Engineer</u>	N/A	FEMA HMGP, Township Budget	Continuity of operations, shelter for residents

2.7.3 STRATEGY RANKING AND PRIORITIZATION

	What is the estimated cost of this action?	What is the estimated timeline for this action to be implemented?	Potential for Lives Saved 1 - Little Potential 2 - Some Potential 3 - Major Potential	Potential for Reduced Property Damages 1 - Little Potential 2 - Some Potential 3 - Major Potential	Potential for Reduced Response Actions 1 - Little Potential 2 - Some Potential 3 - Major Potential	Benefits Exceed Costs 0 - BCA equal 2 - Minor Exceedence 3 - Major Exceedence	Community Action Priority Ranking 1 - Low Priority 2 - Medium Priority 3 - High Priority	Total	Action Priority
1	\$250k-\$500k	3-5 years	1	2	2	2	2	9	Medium
2	\$250k-\$500k	3-5 years	1	2	1	2	2	8	Low
3	\$250k-\$500k	3-5 years	1	2	1	2	2	8	Low
4	\$250k-\$500k	3-5 years	1	1	3	2	2	9	Medium
5	\$250k-\$500k	3-5 years	2	1	1	2	2	8	Low
6	\$250k-\$500k	3-5 years	1	1	2	2	2	8	Low

Figure 1: Township of Roxbury Hazard Area Extent and Location Map 1

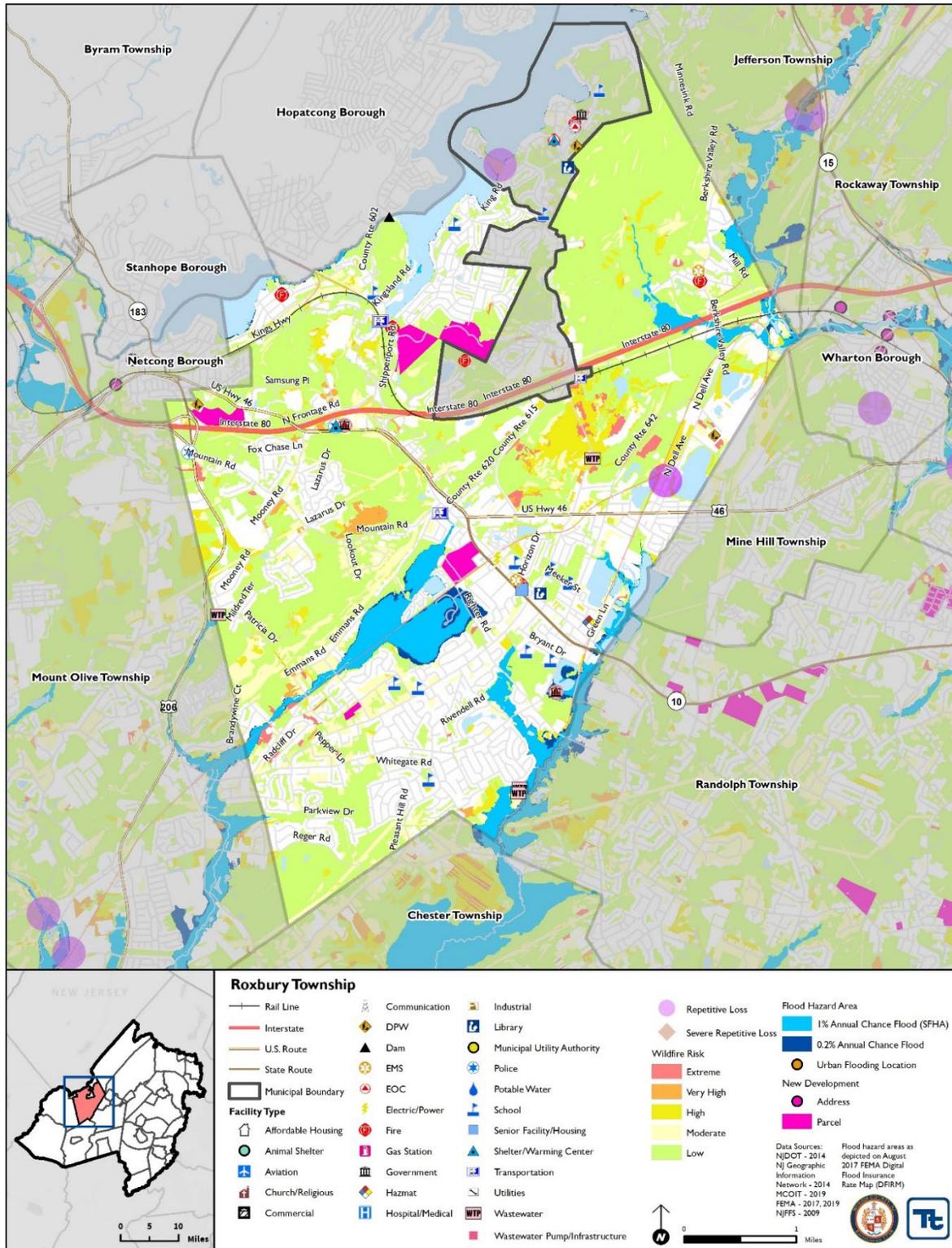


Figure 2: Township of Roxbury Hazard Area Extent and Location Map 2

