



## 9.27 BOROUGH OF MOUNT ARLINGTON

This section presents the jurisdictional annex for the Borough of Mount Arlington. The annex includes a general overview of the Borough of Mount Arlington; an assessment of the Borough of Mount Arlington's risk, vulnerability, and mitigation capabilities; and a prioritized action plan to implement prior to a disaster to reduce future losses and achieve greater resilience to natural hazards.

### 9.27.1 Hazard Mitigation Planning Team

The following individuals are the Borough of Mount Arlington's identified HMP update primary and alternate points of contact and NFIP Floodplain Administrator.

**Table 9.27-1. Hazard Mitigation Planning Team**

Primary Point of Contact		Alternate Point of Contact
Name / Title: Keith Licata, Police Chief Address: 520 Altenbrand Ave., Mt. Arlington, NJ Phone Number: 973-398-2100 Email: klicata@mtarlingtonpd.com	Name / Title: Lt. Edward LaBruno Address: 520 Altenbrand Ave., Mt. Arlington, NJ Phone Number: 973-398-2100 Email: elabruno@mtarlingtonpd.com	Name / Title: Paul Nelson, OEM Deputy Coordinator Address: 520 Altenbrand Ave., Mt. Arlington, NJ Phone Number: 973-398-4200 Email: pnelson@mtarlingtonboro.com
NFIP Floodplain Administrator		
Name / Title: Stan Puszczyk, Borough Engineer Address: 419 Howard Blvd., Mt. Arlington, NJ Phone Number: 973-300-9003 Email: stan.puszczyk@cppsc.com		

### 9.27.2 Jurisdiction Profile

The Borough of Mount Arlington is located in north-central Morris County. It is bordered to the northeast by Jefferson Township, to the east, south and west by Roxbury Township and to the north by Sussex County. The Borough has a total area of 2.92 square miles, of which 2.17 square miles is land and 0.75 square miles is water. According to the U.S. Census, the 2010 population for the Borough of Mount Arlington was 5,050.

According to the U.S. Census, the 2010 population for the Borough of Mount Arlington was 5,050. The estimated 2017 population was 5,405, a 7.0 percent increase from the 2010 Census. Data from the 2017 U.S. Census American Community Survey indicate that 1.3 percent of the population is 5 years of age or younger and 24.1 percent is 65 years of age or older. Communities must deploy a support system that enables all populations to safely reach shelters or to quickly evacuate a hazard area.

### 9.27.3 Growth/Development Trends

Understanding how past, current, and projected development patterns have or are likely to increase or decrease risk in hazard areas is a key component to understanding a jurisdiction's overall risk to its hazards of concern. Table 9.27-2 summarizes recent and expected future development trends, including major residential/commercial development and major infrastructure development. Figure 9.27-1 and 9.27-2 at the end of this annex illustrate the geographically-delineated hazard areas and the location of potential new development.



Table 9.27-2. Recent and Expected Future Development

Type of Development	2014	2015	2016	2017	2018
<b>Number of Building Permits for New Construction Issued Since the Previous HMP</b>					
Single Family	12	10	24	70	14
Multi-Family	0	264	38	33	0
Other (commercial, mixed-use, etc.)	0	0	0	0	0
Property or Development Name	Type of Development	# of Units / Structures	Location (address and/or block and lot)	Known Hazard Zone(s)*	Description / Status of Development
<b>Recent Major Development and Infrastructure from 2015 to Present</b>					
Fieldstone	Residential	300 apartments	100 Fieldstone Dr.	No flood hazard (effective map)	Complete
Shadow Woods	Residential	70 units	500 Valley Rd.	No flood hazard (effective map)	Complete
<b>Known or Anticipated Major Development and Infrastructure in the Next Five (5) Years</b>					
None					

\* Only location-specific hazard zones or vulnerabilities identified.

#### 9.27.4 Capability Assessment

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

- An assessment of legal and regulatory capabilities.
- Development and permitting capabilities.
- An assessment of fiscal capabilities.
- An assessment of education and outreach capabilities.
- Information on National Flood Insurance Program (NFIP) compliance.
- Classification under various community mitigation programs.
- The community's adaptive capacity for the impacts of climate change.

For a community to succeed in reducing long-term risk, hazard mitigation must be integrated into the day-to-day local government operations. As part of this planning effort, planning/policy documents were reviewed, and each jurisdiction was surveyed to obtain a better understanding of their progress in plan integration. Areas with current mitigation integration are summarized below. The Borough of Mount Arlington identified specific integration activities that will be incorporated into municipal procedures are included in the updated mitigation strategy.

#### PLANNING, LEGAL AND REGULATORY CAPABILITY

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



Table 9.27-3. 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 #.
Codes, Ordinances, & Requirements					
Building Code	Yes	State, Local, Construction Department	Yes	No	-
Comment: State Uniform Construction Code Act (N.J.S. 52:27D-119 et seq.), Chapter 67 of Borough Code					
Zoning Code	Yes	Local, Zoning Board	Yes	No	-
Comment: Chapter 17 (Land Development) Article 8 (Zoning); the purpose of this article is to establish a precise and detailed plan for the use of land and buildings in the Borough of Mount Arlington, based upon the Borough Master Plan, and any amendments, enacted in order to promote and protect the public health, safety, morals, comfort, convenience and the general welfare of the people.					
Subdivisions	Yes	Local, Land Use Board	Yes	Yes	-
Comment: Chapter 17 (Land Development), Article V (Development Requirements) - When the Borough receives a development permit application or subdivision request, they require sketch plats and sketch site plans to show topography, slopes, flood hazard areas, wetlands, and bodies of water.					
Stormwater Management	Yes	Local, Land Use Board	Yes	Yes	-
Comment: Chapter 17 (Land Development), Article IX (Stormwater and Flood Plain Regulations) – the purpose of this article is to protect people and property and preserve the health, safety, and general welfare of the Borough from uncontrolled stormwater runoff and flooding.					
Post-Disaster Recovery	No	-	No	-	-
Comment:					
Real Estate Disclosure	Yes	State, Division of Consumer Affairs	Yes	-	-
Comment: N.J.A.C 13:45A-29.1					
Growth Management	No	-	No	-	-
Comment:					
Site Plan Review	Yes	Local	Yes	-	-
Comment: Chapter 17 (Land Development), Article IV (Development Procedures) – any application that wants to develop in the Borough must apply for and obtain approval of the Planning Board. A subdivision and site plan application must be completed. Building permits are not issued until a site plan is submitted and approved by the Planning Board.					
Environmental Protection	Yes	Local	No	Yes	-
Comment: <ul style="list-style-type: none"><li>Article XI of the Borough of Mt. Arlington Ordinance contains an Environmental Assessment Ordinance entitled "Environmental Impact and Environmental Impact Statement." This Ordinance section sets forth requirements for the submission of a detailed Environmental Appraisal for all land development applications and for an Environmental Impact Statement (EIS) for those development applications that meet or exceed the threshold criteria set forth in the Borough Code. The EIS must contain detailed inventory, analysis, findings and mitigation measures regarding the potential environmental impact of the proposed project on all environmental resources, including but not limited to freshwater wetlands, surface waterbodies, floodplains, topography, groundwater, geology, air quality, wildlife, vegetation, threatened and endangered species and historic and archaeological resources.</li><li>Ordinance Section 161, entitled "Trees," sets forth requirements to regulate and control indiscriminate and excessive removal, cutting and destruction of trees in order to prevent conditions which cause increased surface drainage with commensurate loss of groundwater infiltration to replenish subsurface water supplies; siltation, sedimentation, soil erosion and decreased soil fertility; dust conditions and mosquito breeding places; and impairment of the stability and value of real estate; all of which conditions are now and will be in the future a detriment to the public safety, health and general welfare.</li></ul>					



	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 #.
<ul style="list-style-type: none"><li>Chapter 17, Article XII (Critical Area Development Control) – the purpose of this article is to protect the health, safety, and welfare of people and property within the Borough from improper construction, building, and development on steep slope and hillside areas in the Borough and more particularly, but without limitation, to reduce the peculiar hazards which exist in hillside areas by reason of erosion, siltation, flooding, soil slippage, surface water runoff pollution of potable water supplies from nonpoint sources, and destruction of unique and predominant views. When the Borough receives a development permit application, they require sketch plats and sketch site plans to show topography, slopes, flood hazard areas, wetlands, and bodies of water.</li></ul>					
Flood Damage Prevention	Yes	Federal, State, Local, Construction	Yes	Yes	-
<b>Comment:</b> Chapter 17 (Land Development), Article IX (Stormwater and Flood Plain Regulations) – the purpose of this article is to protect people and property and preserve the health, safety, and general welfare of the Borough from uncontrolled stormwater runoff and flooding. Section 41 of Chapter 17 provides specific floodplain requirements for the Borough. The Borough Engineer is responsible for enforcing this chapter. The Borough requires all new residential construction, residential additions, and substantial improvements of residential structures in the floodplain to have their lowest floor, including basement, elevated to at least six inches above the base flood elevation. All new non-residential construction in the floodplain must have their lowest floor (including basement) elevated at least one foot above the base flood elevation or be floodproofed, depending on the type of facility.					
Wellhead Protection	No	-	No	-	-
<b>Comment:</b>					
Emergency Management	No	-	No	-	-
<b>Comment:</b>					
Climate Change	No	-	No	-	-
<b>Comment:</b>					
Disaster Recovery Ordinance	No	-	No	-	-
<b>Comment:</b>					
Disaster Reconstruction Ordinance	No	-	No	-	-
<b>Comment:</b>					
Other	No	-	No	-	-
<b>Comment:</b>					
Planning Documents					
Comprehensive / Master Plan	Yes	Local, Land Use and Planning Board	Yes	No	-
<b>Comment:</b> Last revision was in 2005; updated in December 2015. The 2015 Master Plan is consistent with the Highlands Regional Master Plan, where applicable, and the goals of the Lake Hopatcong Commission to “safeguard Lake Hopatcong as a natural, scenic, and recreational resource to ensure that the lake may be enjoyed to the fullest possible measure by citizens of, and visitors to, the State both now and in the future”. While the Master Plan does not specify the Morris County HMP, some of the goals of the Master Plan align with those of the Morris County HMP including protecting environmentally sensitive areas including streams, wetlands and steep slopes. The land use map of the Borough includes slopes, wetlands, water, and flood hazard areas.					
Capital Improvement Plan	Yes	Local, Administrative	Yes	No	-
<b>Comment:</b> This is incorporated into the annual budget that is approved each year. It includes a line item for capital improvements with funds outlined for road improvements, water utility, and sewer utility.					
Disaster Debris Management Plan	No	-	No	-	-
<b>Comment:</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>Floodplain or Watershed Plan</b>	Yes	Local, Land Use Board	No	-	-
<i>Comment:</i> This was identified in the 1999 version of the Master Plan and had been addressed through the development of public sanitary sewer service along the Lake Hopatcong area					
<b>Stormwater Management Plan</b>	Yes	Local, Land Use Board	Yes	-	-
<i>Comment:</i> Plan is Consistent with the N.J.A.C 7:8-5.4 Runoff Quantity Standards intended to mitigate flooding impact caused by runoff					
<b>Stormwater Pollution Prevention Plan</b>	Yes	Local	Yes	-	-
<i>Comment:</i>					
<b>Urban Water Management Plan</b>	No	-	No	-	-
<i>Comment:</i>					
<b>Habitat Conservation Plan</b>	No	-	No	-	-
<i>Comment:</i>					
<b>Economic Development Plan</b>	Yes	Local, Land Use Board	No	-	-
<i>Comment:</i> The Plan is specific in areas currently designated for commercial development which is well suited in location to minimize natural hazard impacts					
<b>Shoreline Management Plan</b>	No	-	No	-	-
<i>Comment:</i>					
<b>Community Wildfire Protection Plan</b>	No	-	No	-	-
<i>Comment:</i>					
<b>Community Forest Management Plan</b>	No	-	No	-	-
<i>Comment:</i>					
<b>Transportation Plan</b>	No	-	No	-	-
<i>Comment:</i>					
<b>Agriculture Plan</b>	No	-	No	-	-
<i>Comment:</i>					
<b>Climate Action Plan</b>	No	-	No	-	-
<i>Comment:</i>					
<b>Tourism Plan</b>	No	-	No	-	-
<i>Comment:</i>					
<b>Business Development Plan</b>	No	-	No	-	-
<i>Comment:</i>					
<b>Other</b>	Yes	Local	No	-	-
<i>Comment:</i>					
<ul style="list-style-type: none"> <li>Impervious Cover Reduction Action Plan for Mount Arlington Borough – August 10, 2016 – conducting by Rutgers University based on the amount of calculated impervious surfaces in the Borough. The plan provided green infrastructure practices the Borough could implement.</li> </ul>					
<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	Yes	-	-
<i>Comment:</i> Emergency Operations Plan					
<b>Threat &amp; Hazard Identification &amp; Risk Assessment (THIRA)</b>	No	-	No	-	-
<i>Comment:</i>					
<b>Post-Disaster Recovery Plan</b>	No	-	No	-	-
<i>Comment:</i>					
<b>Continuity of Operations Plan</b>	No	-	No	-	-
<i>Comment:</i>					
<b>Public Health Plan</b>	Yes	Local	No	-	-
<i>Comment:</i> Borough Health Department – share health department with Mount Olive					
<b>Other</b>	No	-	No	-	-
<i>Comment:</i>					

**Table 9.27-4. Development and Permitting Capability**

Criterion	Response
Does your jurisdiction issue development permits? - If no, who does? If yes, which department?	Yes - Construction Department and Land Use Board
Does your jurisdiction have the ability to track permits by hazard area?	No – no designated hazard areas in the Borough
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 – but the borough is nearly fully developed

#### ADMINISTRATIVE AND TECHNICAL CAPABILITY

The table below summarizes potential staff and personnel resources available to the Borough of Mount Arlington.

**Table 9.27-5. Administrative and Technical Capabilities**

Staff/Personnel Resource	Available?	Department/Agency/Position
<b>Administrative Capability</b>		
Planning Board	Yes	Land Use Board – combined board handling the business of both the Planning and Zoning Boards
Mitigation Planning Committee	Yes	OEM, Administration, Land Use
Environmental Board / Commission	Yes	Mount Arlington Green Initiatives Committee (MAGIC) - the main focus of the committee is community outreach and organizing events that will introduce and endorse sustainable practices to Borough residents



Staff/Personnel Resource	Available?	Department/Agency/Position
Open Space Board / Committee	Yes	Land Use Board
Economic Development Commission / Committee	No	
Warning Systems / Services (reverse 911, outdoor warning signals)	Yes	RAVE reverse 911 through the County
Maintenance program to reduce risk	No	
Mutual aid agreements	Yes	Surrounding Communities
<b>Technical/Staffing Capability</b>		
Planners or engineers with knowledge of land development and land management practices	Yes	J. Caldwell & Associates, LLC, CP Engineers LLC, Matrix New World Engineering Inc.
Engineers or professionals trained in building or infrastructure construction practices	Yes	J. Caldwell & Associates, LLC, CP Engineers LLC, Matrix New World Engineering Inc.
Planners or engineers with an understanding of natural hazards	Yes	J. Caldwell & Associates, LLC, CP Engineers LLC, Matrix New World Engineering Inc.
Staff with training in benefit/cost analysis	Yes	CP Engineers, LLC – Borough Engineering
Staff with training in green infrastructure	Yes	CP Engineers and MAGIC
Staff with education/knowledge/training in low impact development	Yes	J. Caldwells and Associates
Surveyor	Yes	J. Caldwell & Associates, LLC, CP Engineers LLC, Matrix New World Engineering Inc.
Personnel skilled or trained in GIS applications	No	
Scientist familiar with natural hazards in local area	No	
Emergency manager	Yes	OEM
Watershed planner	No	
Environmental specialist	No	
Grant writers	Yes	Millennium, CP Engineers, and J. Caldwell & Associates
Resilience Officer	No	
Other	No	

## FISCAL CAPABILITY

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

**Table 9.27-6. 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	No
Incur Debt through General Obligation Bonds	Yes
Incur Debt through Special Tax Bonds	Yes
Incur Debt through Private Activity Bonds	No
Withhold Public Expenditures in Hazard-Prone Areas	No
State-Sponsored Grant Programs	Yes
Development Impact Fees for Homebuyers or Developers	No
Clean Water Act 319 Grants (Nonpoint Source Pollution)	No
Other	No



**EDUCATION AND OUTREACH CAPABILITY**

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

**Table 9.27-7. Education and Outreach Capabilities**

Criterion	Response
Do you have a public information officer or communications office?	Yes – OEM Coordinator/Police Chief
Do you have personnel skilled or trained in website development?	Yes – Borough has contractor to do this
Do you have hazard mitigation information available on your website? • If yes, briefly describe.	Yes – On the municipal website and Facebook page
Do you use social media for hazard mitigation education and outreach? • If yes, briefly describe.	Yes – Facebook
Do you have any citizen boards or commissions that address issues related to hazard mitigation? • If yes, briefly describe.	Yes – LEPC, Lake Hopatcong Foundations
Do you have any other programs already in place that could be used to communicate hazard-related information? • If yes, briefly describe.	Yes – Municipal newsletters, emails
Do you have any established warning systems for hazard events? • If yes, briefly describe.	Yes – reverse 911

**COMMUNITY CLASSIFICATIONS**

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

**Table 9.27-8. Community Classifications**

Program	Participating?	Classification	Date Classified
Community Rating System	No	NP	NP
Building Code Effectiveness Grading Schedule (BCEGS)	-	-	-
Public Protection (Fire ISO Protection Class)	-	-	-
Storm Ready Certification	No	NP	NP
Firewise Community Classification	No	NP	NP
Sustainable Jersey	Yes	Bronze	12/12/2019

**ADAPTIVE CAPACITY**

Adaptive capacity is defined as “the ability of systems, institutions, humans and other organisms to adjust to potential damage, to take advantage of opportunities, or respond to consequences” (IPCC 2014). In other words, it describes a jurisdiction’s current ability to adjust to, protect from, or withstand a hazard event. This term is often discussed in reference to climate change; however, adaptive capacity also includes an understanding of local capacity for adapting to current and future risks and changing conditions. The table below summarizes the adaptive capacity for each hazard and the jurisdiction’s rating.

- Does the municipality have access to resources to determine the possible impacts of climate change upon the municipality? No
- Is the administrative supportive of integrating climate change in policies or actions? No
- Is climate change already being integrated into current policies/plans or actions (projects/monitoring) within the municipality? No





Table 9.27-9. Adaptive Capacity

Hazard	Adaptive Capacity (Capabilities) - High/Medium/Low
Dam Failure	Medium
Disease Outbreak	Medium
Drought	Medium
Earthquake	Medium
Extreme Temperature	Medium
Flood	Medium
Geological Hazards	Medium
Harmful Algal Bloom	Medium
Hazardous Substances	Medium
Infestation	Medium
Severe Weather	Medium
Severe Winter Weather	Medium
Wildfire	Medium

Notes:

High = Capacity exists and is in use; Medium = Capacity may exist, but is not used or could use some improvement;

Low = Capacity does not exist or could use substantial improvement; Unsure = Not enough information is known to assign a rating.

## NATIONAL FLOOD INSURANCE PROGRAM

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

Table 9.27-10. National Flood Insurance Program Compliance

Criterion	Response
What local department is responsible for floodplain management?	Engineering
Who is your floodplain administrator? (name, department/position)	Engineer
Are any certified floodplain managers on staff in your jurisdiction?	No
What is the date that your flood damage prevention ordinance was last amended?	Chapter 99 (Flood Damage Prevention Ordinance) – Adopted 12/16/1987; Specific conditions is in Chapter 17, Article 41 (2006)
Does your floodplain management program meet or exceed minimum requirements? • If exceeds, in what ways?	Meets the minimum
When was the most recent Community Assistance Visit or Community Assistance Contact?	September 14, 2010
Does your jurisdiction have any outstanding NFIP compliance violations that need to be addressed? • If so, state what they are.	No
Are any RiskMAP projects currently underway in your jurisdiction? • If so, state what they are.	No
Do your flood hazard maps adequately address the flood risk within your jurisdiction? • If no, state why.	Yes
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?	No
Does your jurisdiction participate in the Community Rating System (CRS)? • If yes, is your jurisdiction interested in improving its CRS Classification? • If no, is your jurisdiction interested in joining the CRS program?	No



Criterion	Response
How many flood insurance policies are in force in your jurisdiction?*	20 Policies in force. \$5,400,000 Insurance In-Force. \$7,107 Premium In-Force.
<ul style="list-style-type: none"> <li>What is the insurance in force?</li> <li>What is the premium in force?</li> </ul>	
How many total loss claims have been filed in your jurisdiction?*	3 Claims. 0 claims still open. 1 claim closed without payment. Total claim amount \$3,807
<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>	
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

\*According to FEMA statistics as of July 2019

#### ADDITIONAL AREAS OF EXISTING INTEGRATION

- Highlands Preservation Area** – The Borough is located within both the Highlands Planning Area and the Highlands Preservation Area. While a majority of the Borough is in the Planning Area where conformance to the Highlands Regional Master Plan is optional, a small portion of the Borough is located in the Preservation Area where Highlands Act restrictions are mandatory. Because Mount Arlington has land located in the Preservation Area, the Borough made a petition for Plan Conformance to the Highlands Council, which was approved on December 1, 2011. In October 2015, the Borough adopted final documents consistent with the Plan Conformance petition, including a Highlands Environmental Resource Inventory, a Highlands Master Plan Element, a Highlands Checklist Ordinance and a Highlands Preservation Area Exemption Ordinance. For these reasons, the Master Plan and planning efforts of the Borough should be considered consistent with the Highlands Regional Master Plan.

#### 9.27.5 Hazard Event History Specific to the Jurisdiction

Morris County has a history of hazard events, as detailed in Section 4 (Risk Assessment) of this plan. A summary of historical events is provided in each of the hazard profiles in Section 4.4 (Hazard Profiles) and includes a chronology of events that affected Morris County and its jurisdictions. The Borough of Mount Arlington's history of federally-declared (as presented by FEMA) and significant hazard events (as presented in NOAA-NCEI) is consistent with that of Morris County. Table 9.27-11 provides details regarding municipal-specific loss and damages the Borough experienced during hazard events. Information provided in the table below is based on reference material or local sources.

**Table 9.27-11. Hazard Event History**

Date(s) of Event	Event Type (disaster declaration if applicable)	Morris County Designated?	Summary of Event	Summary of Local Damages and Losses
January 22-24, 2016	Severe Winter Storm and Snowstorm (DR-4264)	Yes	Snow began during the evening hours on the 22nd, then continued, heavy at times through the 23rd before ending early on the 24th. Snowfall totals included 30.0 inches in Long Valley, 29.0 inches in Madison, 26.0 inches in Budd Lake, 25.3 inches in Green Pond, 22.5 inches in Butler, 21.0 inches in Chatham, and 18.0 inches in Marcella.	213 hrs overtime Snow removal Equipment rental costs
March 6-7, 2018	Severe Winter Storm and Snow Storm (DR-4368)	Yes	Snowfall amounts in excess of 6 inches occurred across portions of the county.	Project #64436 DPW overtime for snow removal Snow removal costs
March 21, 2018	Winter Storm	No	Precipitation began as a wet, heavy snow during the evening hours on	Heavy snow removal needed



Date(s) of Event	Event Type (disaster declaration if applicable)	Morris County Designated?	Summary of Event	Summary of Local Damages and Losses
			March 20th. After a lull during the overnight hours, a drier snow began falling, heavy at times, during the afternoon and evening hours on March 21st. Snowfall totals were lower in the eastern portions of the county where mixing took place. Some snowfall reports include: 12.0 inches in Netcong, Green Pond, and Mine Hill Township, 11.2 inches in Jefferson Township, 11.0 inches in Marcella, 10.5 inches in both Rockaway and Mine Hill Township, 10.0 inches in Succasunna, 9.5 inches in Butler, 9.3 inches in Denville, 9.2 inches in both Budd Lake and Washington Township, 8.8 inches in both Mount Arlington and Randolph Township, 8.4 inches in Morristown, 8.2 inches at Charlottesburg Reservoir, 8.0 inches in Dover, 7.5 inches in Parsippany, 7.0 inches at Boonton Reservoir, 7.0 inches in Millington, 6.5 inches in Pine Brook, 4.0 inches in Beach Glen, and 3.7 inches in Pleasantville.	Road closures due to unplowable conditions

#### 9.27.6 Jurisdiction-Specific Vulnerabilities and Hazard ranking

The hazard profiles in Section 4 (Risk Assessment) provide detailed information regarding each plan participant's vulnerability to the identified hazards. Table 9.27-12 summarizes the Borough of Mount Arlington risk assessment results and data used to determine the hazard ranking.

A gradient of certainty was developed to summarize the confidence level regarding the input used to populate the hazard ranking. A certainty factor of high, medium or low was selected and assigned to each hazard to provide a level of transparency and create increased understanding of the data used to support the resulting ranking. The following scale was used to assign a certainty factor to each hazard:

- High—Defined scenario/event to evaluate; probability calculated; evidenced-based/quantitative assessment to estimate potential impacts through hazard modeling.
- Moderate—Defined scenario/event or only a hazard area to evaluate; estimated probability; combination of quantitative (exposure analysis, no hazard modeling) and qualitative data to estimate potential impacts.
- Low—Scenario or hazard area is undefined; there is a degree of uncertainty regarding event probability; majority of potential impacts are qualitative.



Table 9.27-12. Summary of Risk Assessment Results

Hazard of Concern	Hazard/ Scenario Area Evaluated	Population		Buildings		Economy (Loss)		Certainty Factor
Dam Failure	Partial or complete failure of a dam  There is 1 dam in the Borough, according to NJDEP.	Population impacted is dependent on the capacity of the dam, the extent of the dam failure inundation area and the severity of the failure.		The number of building impacted is dependent on the capacity of the dam, the extent of the dam failure inundation area and the severity of the failure.		Economic impacts include dam/building/infrastructure repairs; debris removal/disposal; utility impacts.		Low
Disease Outbreak	Disease Outbreaks which include: Mosquito-Borne Diseases, Tick-Borne Diseases, Campylobacteriosis, Influenza, Mumps, Ebola	Population impacted is dependent on the disease and severity of the outbreak; in some cases immuno-compromised persons are more vulnerable.		Structural impacts due to disease outbreak would be limited.		Economic losses can include County financial impacts to monitor/address outbreaks; lost wages or commercial interruptions; depends on the severity and type of disease outbreak. .		Low
Drought	Prolonged drought event - The County is serviced by water supplies who primarily get water from groundwater sources; some surface water sources.	Entire population exposed. Population on surface water supplies may be impacted first; water restrictions/contamination; increased wildfire risk.		Droughts are not expected to cause direct damage to buildings.		Losses include aesthetic, landscape/nursery/agricultural industry impacts.		Low
Earthquake	100, 500-, 2,500-Year Mean Return Period (MRP) Events evaluated  NEHRP Soils D&E (soft soils that amplify ground shaking are present in the County)	NEHRP D&E:	127	NEHRP D&E:	63	100-year Loss:	\$0	High
		Liquefaction Class 4:	0	Liquefaction Class 4:	0	500-year Loss:	\$578,340	
						2,500-year Loss:	\$9,429,007	
Extreme Temperature	Extreme temperature event (heat or cold)	Over 65 Population:	1,301	Physical impacts due to extreme temperatures would be limited.		Loss of business function is possible due to unexpected repairs (i.e. pipes bursting) or power failures.		Low
		Population Below Poverty Level:	43					
Flood	100- and 500-Year Mean Return Period Event	100-year	6	100-year	29	100-year Loss:	\$9,544,383	High
		500-year	6	500-year	31			



Hazard of Concern	Hazard/ Scenario Area Evaluated	Population		Buildings		Economy (Loss)		Certainty Factor
Geological	High Landslide Susceptibility Areas and Areas developed over carbonate rock	Class A:	0	Class A:	0	Class A:	0	Moderate
		Class B:	0	Class B:	0	Class B:	\$0	
		Carbonate Bedrock:	0	Carbonate Bedrock:	0	Carbonate Bedrock:	\$0	
Harmful Algal Bloom	Any body of water or area adjacent that is susceptible to harmful algal bloom.	Population in contact (e.g., swimming) or drinking water from surface water impacted can result in a range of health effects		General building stock impacts due to harmful algal bloom are not anticipated. Critical facilities (i.e., water treatment plants) could lead to plant closures.		Economic impacts range from recreational closure of impacted waterbodies; cost to sample/monitor/remediate.		Low
Hazardous Substance	Release of a hazardous substance from a fixed site.	Population impacted will depend on the type of material and scale of the incident. May include population within small radii of site.		The degree of damages to a building depends on the scale of the incident.		The degree of damages depends on the scale of the incident.		Low
Infestation	Infestation including: Insects [e.g. Gypsy Moth, Mosquitoes, Spotted Lanternfly, Emerald Ash Borer], White-Tailed Deer, Rodents	Population impacted will depend on the type and severity of infestation and may cause an increased risk for disease outbreak.		Physical impacts will be limited to indirect impacts from invasive species which affect crops and vegetation.		Economic impact will depend on the type and severity of infestation and may cause an increased risk for disease outbreak.		Low
Severe Weather	Severe Weather Event	Entire population exposed; The degree of impact to the population depends on the scale of the incident.		Entire building stock is exposed; The degree of impact depends on the scale of the incident.		Annualized Loss:	\$11,425	High
						100 -Year Loss:	\$376,504	
						500-year Loss:	\$2,687,270	
Severe Winter Weather	Severe Winter Weather Event	All residents/commuters/visitors are exposed; socially-vulnerable populations may be at increased risk.		All buildings are exposed; the degree of impact depends on the scale of the incident.		The cost of snow and ice removal and repair of roads/infrastructure can impact operating budgets.		Low
Wildfire	Wildfire Fuel Hazard areas (High, Very High, Extreme)	Wildfire:	130	Wildfire:	73	Wildfire:	\$29,361,224	Moderate



### REPETITIVE FLOOD LOSSES

The following summarizes the repetitive and severe repetitive flood losses in the Borough of Mount Arlington.

- 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

Source: FEMA BureauNet, 2019

Note: RL and SRL as of 04/26/2019; The number of SRL properties excludes RL properties and includes properties that have been verified only (SRL\_Indicator = V).

### CRITICAL FACILITIES

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

**Table 9.27-13. Potential Flood Losses to Critical Facilities and Lifelines**

Name	Type	Exposure		Status of Mitigation
		1% Event	0.2% Event	
No critical facilities or lifelines identified in the floodplain at this time.				

### ADDITIONAL IDENTIFIED VULNERABILITIES

The jurisdiction has not identified additional vulnerabilities within their community; refer to the risk assessment.

### HAZARD AREA EXTENT AND LOCATION

Hazard area extent and location maps were generated for the Borough of Mount Arlington 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 Borough of Mount Arlington has significant exposure. Refer to Figures 9.27-1 and 9.27-2.

### 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 5 (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.

As discussed in Section 4.3 (Hazard Ranking), 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 rebound after the event. The table below summarizes the hazard rankings of potential natural hazards for the Borough of Mount Arlington. The Borough of Mount Arlington 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 9.27-14. Borough of Mount Arlington Hazard Ranking Input**

Dam Failure	Disease Outbreak	Drought	Earthquake	Extreme Temperature	Flood
Low	High	Medium	Medium	Medium	Low



Geological Hazards	Harmful Algal Bloom	Hazardous Substances	Infestation	Severe Weather	Severe Winter Weather	Wildfire
Low	Low	High	Medium	High	High	Low

### 9.27.7 Mitigation Strategy and Prioritization

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

#### PAST MITIGATION INITIATIVE STATUS

The following table summarizes the jurisdiction's progress on their mitigation strategy identified in the 2015 HMP. Actions that are carried forward as part of this plan update are included in the following subsection in its own table with prioritization. Previous actions that are now on-going programs and capabilities are indicated as such in the following table and can also be found under 'Capability Assessment' presented previously in this annex.

**Table 9.27-15. Status of Previous HMP Mitigation Actions**

2015 Action Number Action Description		Responsible Party	Status (In Progress, No Progress, Ongoing Capability, or Completed)	Include in the 2020 HMP Update?	
				Check if Yes	Enter 2020 HMP Action #
BMT - 1	Develop and implement an enhanced all-hazards, public outreach / education / mitigation information program on natural hazard risks and what they can do in the way of mitigation and preparedness, including flood insurance. This program will: - Including natural hazard risk and risk reduction information through social media (Facebook) and reverse 911	Local OEM	Ongoing Capability	-	-
BMT - 2	Replacement of culvert on Altenbrand Avenue.	Municipal Engineer	No progress – discontinue; there is no culvert on Altenbrand Ave.	-	-
BMT - 3	Waterproof electrical system for Mount Arlington Public School (Shelter)	Municipal Engineer	Complete – school systems have been upgraded according to current building code	-	-
BMT - 4	Backup power (generator) for the following critical facilities in the Borough: - Mount Arlington Public School (shelter) (Funding obtained through Alternative Energy grant and work will begin once funding is released to the Borough) - Edith M Decker school (shelter) - Kadel water pump (portable) <i>complete</i>	Municipal Engineer	In Progress	Yes	2020-MT ARLINGTON-001
BMT - 5	Flood-proof electrical system for Edith M. Decker school (shelter).	Municipal Engineer	Complete – school systems have been upgraded according to current building code	-	-





2015 Action Number Action Description		Responsible Party	Status (In Progress, No Progress, Ongoing Capability, or Completed)	Include in the 2020 HMP Update?	
				Check if Yes	Enter 2020 HMP Action #
BMT - 6	Retrofit impact resistant windows and shutters to municipal building located on Howard Avenue (municipal shelter)	Municipal Engineer	No Progress - Discontinue	-	-
BMT - 7	Elevate mechanicals out of flood prone basement in municipal building located on Howard Avenue.	Municipal Engineer	No Progress – Discontinue; there are no floodprone basements in municipal buildings	-	-
BMT - 8	Acquire Right Of Way for private driveway to facilitate secondary emergency access/evacuation for Bertrand Island.	Municipal Engineer	No Progress - Discontinue	-	-

### PROPOSED HAZARD MITIGATION INITIATIVES FOR THE PLAN UPDATE

The Borough of Mount Arlington participated in a risk assessment workshop in November 2019 in which detailed information was provided about assets exposed and vulnerable to the identified hazards of concern. The Borough of Mount Arlington participated in a mitigation action workshop in March 2020 and was provided a Mitigation Toolbox that included a mitigation catalog developed specifically for Morris County and its hazards of concerns; challenges and opportunities identified during the capability and risk assessments; and the following FEMA publications to use as a resource as part of their comprehensive review of all possible activities and mitigation measures to address their hazards: FEMA 551 *Selecting Appropriate Mitigation Measures for Floodprone Structures* (March 2007) and FEMA *Mitigation Ideas – A Resource for Reducing Risk to Natural Hazards* (January 2013). Section 6 (Mitigation Strategy) and Appendix F (Mitigation Strategy Supplement) provide a more complete description of the Mitigation Toolbox and its resources.

Table 9.27-16 summarizes the comprehensive-range of specific mitigation initiatives the Borough of Mount Arlington would like to pursue in the future to reduce the effects of hazards. Some of these initiatives might be previous actions carried forward for this HMP update. Initiatives are dependent upon available funding (grants and local match availability) and can be modified or omitted at any time based on the occurrence of new hazard events and changes in municipal priorities. Both the four FEMA mitigation action categories and the six CRS mitigation action categories are listed in the table below to further demonstrate the wide-range of activities and mitigation measures selected.

As discussed in Section 6 (Mitigation Strategy), 14 criteria were used to evaluate each action, including an evaluation of the benefits and costs. For each new mitigation action, a numeric rank was assigned (-1, 0, or 1) for each of the 14 evaluation criteria. The results of this evaluation, in addition to input from the jurisdiction, were then used to prioritize the mitigation initiatives as ‘High’, ‘Medium’, or ‘Low.’ Table 9.27-17 summarizes the evaluation of each mitigation initiative and the resulting priority, listed by Action Number.



Table 9.27-16. Proposed Hazard Mitigation Initiatives and Associated Priority

Initiative Number	Mitigation Initiative Name	Description of the Problem and Solution	New or Existing Assets?	Hazard(s) to be Mitigated	Goals Met	Lead and Support Agencies	Potential Funding Sources	Estimated Benefits	Estimated Cost	Timeline	Priority	Mitigation Category	CRS Category
2020-MT ARLINGTON-001	Generators for Public Schools	<p><b>Problem:</b> Two public schools in the Borough, Mt. Arlington Public School and Edith M. Decker school are both identified as shelters for the Borough. However, neither school has backup power. In the event of a power outage, the schools cannot function as shelters for residents.</p> <p><b>Solution:</b> Working with the Borough Engineer, identify the proper size generators for each school. Once identified, purchase and install generators and associated equipment at each school.</p>	Existing	All	3, 5	Borough Engineer, School Superintendent	FEMA HMGP or PDM, CDBG	Continuity of operations, shelter	\$50,000+	2 years	High	SIP	PP, ES
2020-MT ARLINGTON-002	Public Education and Outreach Program	<b>Problem:</b> The Borough maintains a website and social media accounts that provide information to residents. This includes announcements, emergency alerts, forms, and contact	N/A	All	All	Borough OEM Coordinator, Borough Administrator	Borough Budget	Increase awareness of residents, resiliency	<\$10,000	2 years	Medium	EAP	PI, ES



Initiative Number	Mitigation Initiative Name	Description of the Problem and Solution	New or Existing Assets?	Hazard(s) to be Mitigated	Goals Met	Lead and Support Agencies	Potential Funding Sources	Estimated Benefits	Estimated Cost	Timeline	Priority	Mitigation Category	CRS Category
		information. However, the website does not include hazard-related information. <b>Solution:</b> The Borough will develop and implement a multi-hazard public awareness program. This will include information on the types of hazards that can impact the Borough based on the County's HMP. Topics will include preparedness, mitigation measures, safe generator use, and posting information about the County's HMP on the municipal website.											
2020-MT ARLINGTON-003	Enhance Pandemic Response Operations	<b>Problem:</b> While the Borough has some equipment to assistance with pandemic response, additional equipment and enhancements are needed. <b>Solution:</b> Enhance the pandemic response operations of the Borough to	N/A	Disease Outbreak	All	Borough OEM, Borough Administration	Borough Budget	Increases response capabilities; provides proper equipment	~\$20,000	Within 2 years	High	EAP, LPR	PR, ES



Initiative Number	Mitigation Initiative Name	Description of the Problem and Solution	New or Existing Assets?	Hazard(s) to be Mitigated	Goals Met	Lead and Support Agencies	Potential Funding Sources	Estimated Benefits	Estimated Cost	Timeline	Priority	Mitigation Category	CRS Category
		address current and potential diseases. This will include increasing the stockpile of disinfectants for Borough equipment, purchasing new equipment to allow for social distancing, purchase thermal readers for staff and residents entering municipal buildings, purchase portable UV disinfectant system for shared areas and equipment, and purchase personal protective equipment for staff (e.g. masks, gloves, face shields).											

Notes:

Acronyms and Abbreviations:

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

Potential FEMA HMA Funding Sources:

FMA	Flood Mitigation Assistance Grant Program
HMGP	Hazard Mitigation Grant Program
PDM	Pre-Disaster Mitigation Grant Program

Timeline:

The time required for completion of the project upon implementation

Cost:

The estimated cost for implementation.

Benefits:

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

Mitigation Category:

- Local Plans and Regulations (LPR) – These actions include government authorities, policies or codes that influence the way land and buildings are being developed and built.



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

**CRS Category:**

- *Preventative Measures (PR)* – Government, administrative or regulatory actions, or processes that influence the way land and buildings are developed and built. Examples include planning and zoning, floodplain local laws, capital improvement programs, open space preservation, and storm water management regulations.
- *Property Protection (PP)* – These actions include public activities to reduce hazard losses or actions that involve (1) modification of existing buildings or structures to protect them from a hazard or (2) removal of the structures from the hazard area. Examples include acquisition, elevation, relocation, structural retrofits, storm shutters, and shatter-resistant glass.
- *Public Information (PI)* – Actions to inform and educate citizens, elected officials, and property owners about hazards and potential ways to mitigate them. 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. 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. Structures include dams, setback levees, floodwalls, retaining walls, and safe rooms.
- *Emergency Services (ES)* – Actions that protect people and property during and immediately following a disaster or hazard event. Services include warning systems, emergency response services, and the protection of essential facilities.

**Table 9.27-17. Summary of Prioritization of Actions**

Initiative Number	Mitigation Initiative Name	Life Safety	Property Protection	Cost Effectiveness	Technical	Political	Legal	Fiscal	Environmental	Social	Administrative	Multi-Hazard	Timeline	Agency Champion	Other Community Objectives	Total	High / Medium / Low
2020-MT ARLINGTON-001	Generator for Public Schools	1	1	1	1	1	0	0	0	1	1	1	1	1	0	10	High
2020-MT ARLINGTON-002	Public Education and Outreach Program	1	1	1	1	0	0	1	0	0	1	1	1	0	0	8	Medium
2020-MT ARLINGTON-003	Enhance Pandemic Response Operations	1	1	1	1	1	1	1	1	1	1	0	1	1	1	13	High

Notes: Section 6 (Mitigation Strategy) conveys guidance on prioritizing mitigation actions.



Table 9.27-18. Analysis of Mitigation Actions by Hazard and Category

Hazard	Prevention	Property Protection	Public Education and Awareness	Natural Resource Protection	Emergency Services	Structural Projects	Climate Resilient	Community Capacity Building
Dam Failure		-001	-002		-001, -002	-001		
Disease Outbreak	-003	-001	-002, -003		-001, -002, -003	-001		
Drought		-001	-002		-001, -002	-001		
Earthquake		-001	-002		-001, -002	-001		
Extreme Temperature		-001	-002		-001, -002	-001		
Flood		-001	-002		-001, -002	-001		
Geological Hazards		-001	-002		-001, -002	-001		
Harmful Algal Bloom		-001	-002		-001, -002	-001		
Hazardous Substances		-001	-002		-001, -002	-001		
Infestation		-001	-002		-001, -002	-001		
Severe Weather		-001	-002		-001, -002	-001		
Severe Winter Weather		-001	-002		-001, -002	-001		
Wildfire		-001	-002		-001, -002	-001		

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

### 9.27.8 Staff and Local Stakeholder Involvement in Annex Development

The Borough of Mount Arlington followed the planning process described in Section 2 (Planning Process). This annex was developed over the course of several months with input from many jurisdiction representatives. All departments were asked to contribute to the annex development through reviewing and contributing to the capability assessment, reporting on the status of previously identified actions, and participating in action identification and prioritization. The following table summarizes who participated and in what capacity. Additional documentation on the municipality's planning process through Planning Partnership meetings is included in Section 2 (Planning Process) and Appendix C (Meeting Documentation).

Table 9.27-19. Contributors to the Annex

Name	Title	Method of Participation
Keith Licata	Police Chief (retired)	Attended meetings, identified mitigation strategies, provided input throughout the planning process
Edward LaBruno	Police Chief	Attended meetings, identified mitigation strategies, provided input throughout the planning process





Figure 9.27-1. Borough of Mount Arlington Hazard Area Extent and Location Map 1

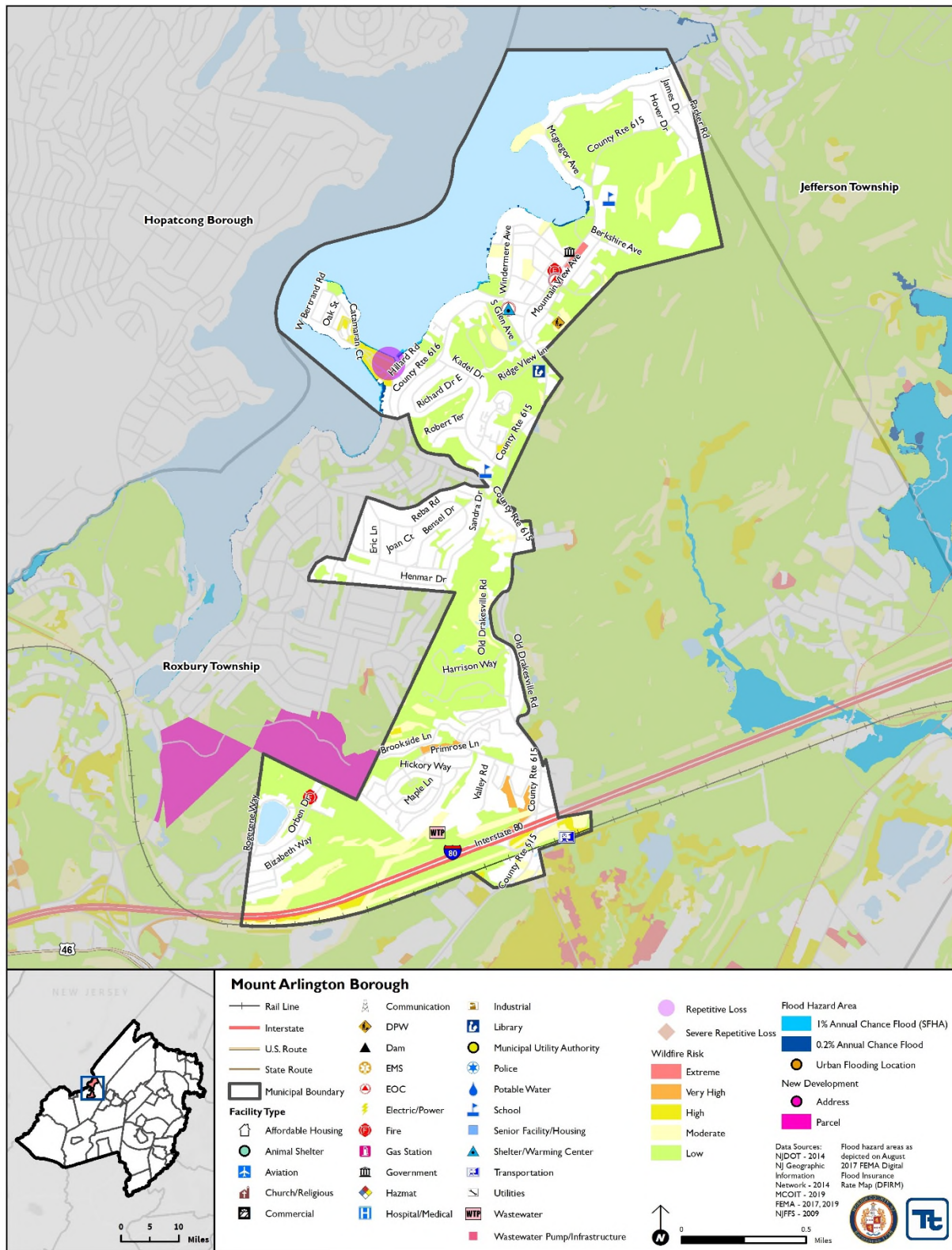
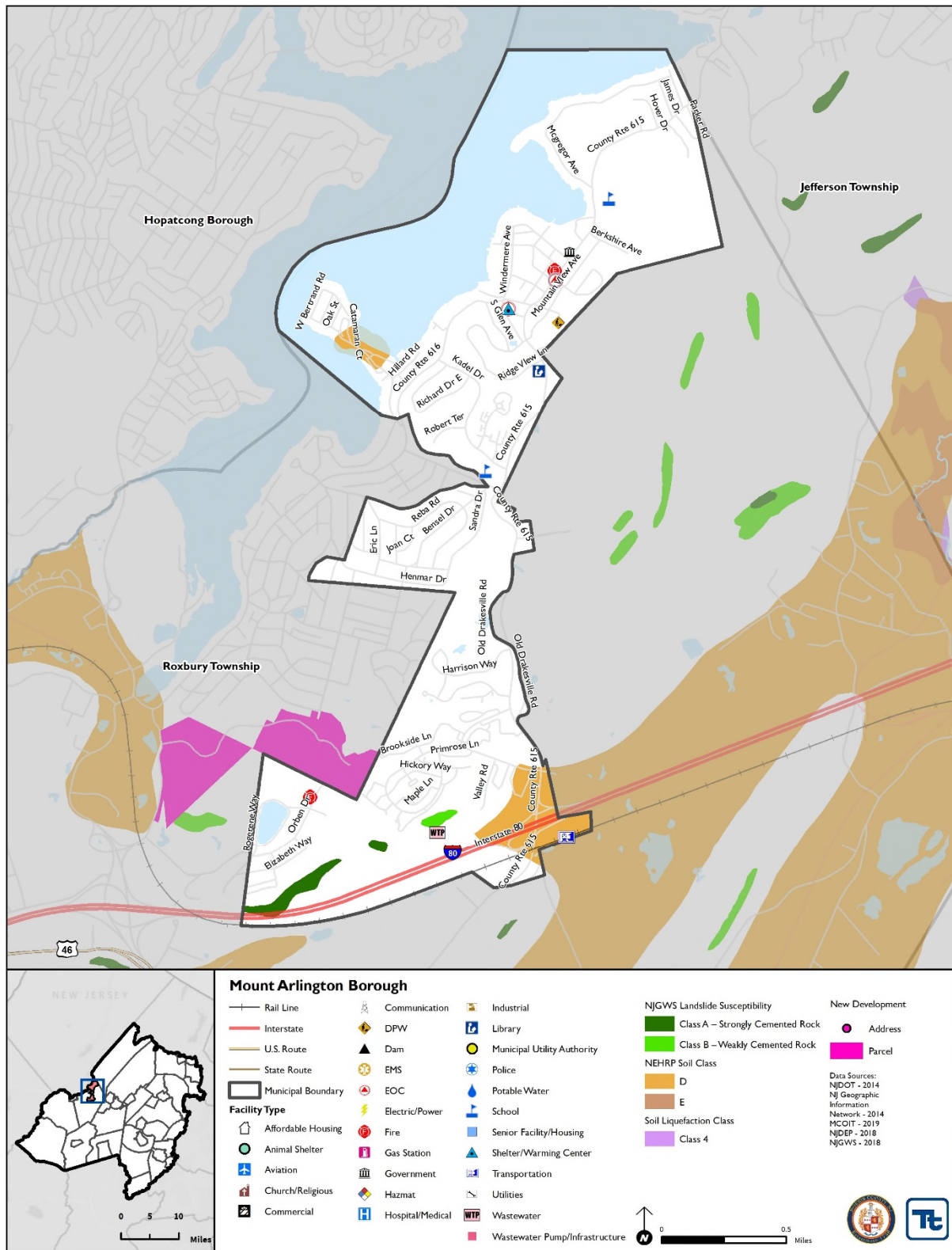






Figure 9.27-2. Borough of Mount Arlington Hazard Area Extent and Location Map 2





Action Worksheet			
<b>Project Name:</b>	Generators for Public Schools		
<b>Project Number:</b>	2020-MT ARLINGTON-001		
Risk / Vulnerability			
<b>Hazard(s) of Concern:</b>	All		
<b>Description of the Problem:</b>	Two public schools in the Borough, Mt. Arlington Public School and Edith M. Decker school are both identified as shelters for the Borough. However, neither school has backup power. In the event of a power outage, the schools cannot function as shelters for residents.		
Action or Project Intended for Implementation			
<b>Description of the Solution:</b>	Working with the Borough Engineer, identify the proper size generators for each school. Once identified, purchase and install generators and associated equipment at each school.		
<b>Is this project related to a Critical Facility or Lifeline?</b>	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
<b>Level of Protection:</b>	N/A	<b>Estimated Benefits (losses avoided):</b>	Continuity of operations; shelter
<b>Useful Life:</b>	20 years	<b>Goals Met:</b>	3, 5
<b>Estimated Cost:</b>	\$50,000+	<b>Mitigation Action Type:</b>	SIP
Plan for Implementation			
<b>Prioritization:</b>	High	<b>Desired Timeframe for Implementation:</b>	Within 2 years
<b>Estimated Time Required for Project Implementation:</b>	Within 2 years	<b>Potential Funding Sources:</b>	FEMA HMGP and PDM, CDBG, Municipal Budget
<b>Responsible Organization:</b>	Borough Engineer, School Superintendent	<b>Local Planning Mechanisms to be Used in Implementation if any:</b>	Hazard Mitigation
Three Alternatives Considered (including No Action)			
Alternatives:	Action	Estimated Cost	Evaluation
	No Action	\$0	Current problem continues
	Install solar panels	\$20,000+	Weather dependent; not ideal for long-term power outages; need space to install
	Install wind turbines	\$20,000+	Weather dependent; need space to install
Progress Report (for plan maintenance)			
<b>Date of Status Report:</b>			
<b>Report of Progress:</b>			
<b>Update Evaluation of the Problem and/or Solution:</b>			



Action Worksheet		
Project Name:	Generators for Public Schools	
Project Number:	2020-MT ARLINGTON-001	
Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	
Property Protection	1	Continuity of operations of municipal buildings; provides essential services during power outages
Cost-Effectiveness	1	Cost effective – benefits outweigh the costs
Technical	1	
Political	1	
Legal	0	Need to work with the school superintendent and school board to purchase and install
Fiscal	0	Need funding to complete project
Environmental	0	
Social	1	
Administrative	1	Borough Engineer, School Superintendent
Multi-Hazard	1	All hazards
Timeline	1	Within 2 years
Agency Champion	1	
Other Community Objectives	0	
Total	10	
Priority (High/Med/Low)	High	