



9.16 TOWN OF NEWTON

This section presents the jurisdictional annex for the Town of Newton.

9.16.1 HAZARD MITIGATION PLAN POINT OF CONTACT

The following individuals have been identified as the hazard mitigation plan’s primary and alternate points of contact.

Primary Point of Contact	Alternate Point of Contact
Kenneth Teets, OEM Coordinator 39 Trinity Street, Newton, NJ 07860 Phone: (973) 383-3521 Email: kteets@newtonpolice.org	Debra Millikin, Deputy Town Manager 39 Trinity Street, Newton, NJ 07860 Phone: (973) 383-3521, x226 Email: dmillikin@newtontownhall.com

9.16.2 MUNICIPAL PROFILE

The Town of Newton is located centrally in Sussex County and is the county seat of the County. It is bordered to the north by Hampton Township, to the south and east by Andover Township and to the west by Fredon Township. The Town covers an area of approximately 3.2 square miles. The Paulins Kill Tributary flows through the Town and the Pequest River is found in the southern end of the Town. According to the U.S. Census, the 2010 population for the Town of Newton was 7,997.

Growth/Development Trends

The following table summarizes recent residential/commercial development since 2010 to present and any known or anticipated major residential/commercial development and major infrastructure development that has been identified in the next five years within the municipality. Refer to the maps later in this annex which illustrate the hazard areas along with the location of potential new development.

Table 9.16-1. Growth and Development

Property or Development Name	Type (e.g. Res., Comm.)	# of Units/Structures	Location (address and/or Block & Lot)	Known Hazard Zone(s)	Description/Status of Development
Recent Development from 2010 to present					
Martarano (Grande Villaggio)	Residential	45 Units	100 Sparta Avenue	Wetlands surrounding property	Town houses – under construction
Newton Town Center	Residential / Commercial	60 apartments	Spring Street	None	60+ senior housing – low to moderate income; retail component as well
Thor Labs	Industrial	To Be Determined	Sparta and Diller Avenues block	Wetlands along Diller Ave.	
Known or Anticipated Development in the Next Five (5) Years					
McGuires	Residential / Commercial	To Be Determined	Main Street	None	Residential housing, hotels – in proposal stage
Hicks Avenue Redevelopment	Residential / Mixuse	~70 units	Hicks Avenue	Wetlands in small portion	

* Only location-specific hazard zones or vulnerabilities identified.



9.16.3 NATURAL HAZARD EVENT HISTORY SPECIFIC TO THE MUNICIPALITY

Sussex County has a history of natural and non-natural hazard events as detailed in Volume I, Section 5.0 of this plan. A summary of historical events is provided in each of the hazard profiles and includes a chronology of events that have affected the county and its municipalities. For the purpose of this plan update, events that have occurred in the county from 2008 to present were summarized to indicate the range and impact of hazard events in the community. Information regarding specific damages is included, if available, based on reference material or local sources. This information is presented in the table below. For details of these and additional events, refer to Volume I, Section 5.0 of this plan.

Table 9.16-2. Hazard Event History

Date(s) of Event	Event Type	FEMA Declaration # (If Applicable)	County Designated?	Summary of Damages/Losses
August 26 – September 5, 2011	Hurricane Irene	DR-4021	Yes	The Town's water system that goes through Sparta Glen washed out from the Wallkill River. This portion was encased in concrete; however, there was an area that washed out which was not encased. The Town's EOC was operational. There was flooding at the town park and on lower Mill Street.
September 28 – October 6, 2011	Remnants of Tropical Storm Lee	DR-4039	Yes	
October 26 – November 8, 2012	Hurricane Sandy	DR-4086	Yes	The Town's EOC was operational. There were power outages throughout the Town, downed power lines, debris, and road closures.

9.16.4 HAZARD VULNERABILITIES AND RANKING

The hazard profiles in Section 5.0 of this plan have detailed information regarding each plan participant's vulnerability to the identified hazards. The risk ranking methodology is presented in Section 5.3. However, each municipality had the opportunity to adjust the final ranking based on municipal feedback. The following summarizes the hazard vulnerabilities and their ranking in the Town of Newton. For additional vulnerability information relevant to this jurisdiction, refer to Section 5.0.

Hazard Risk/Vulnerability Risk Ranking

The table below summarizes the hazard risk/vulnerability rankings of potential hazards for the Town of Newton.

Table 9.16-3. Hazard Risk/Vulnerability Risk Ranking

Hazard type	Estimate of Potential Dollar Losses to Structures Vulnerable to the Hazard ^{a, c}	Probability of Occurrence	Risk Ranking Score (Probability x Impact)	Hazard Ranking ^b
Dam Failure	Damage estimate not available	Occasional	24	High*
Drought	Damage estimate not available	Frequent	30	Medium
Earthquake	100-Year GBS: \$0 500-Year GBS: \$675,651 2,500-Year GBS: \$10,576,744	Occasional	28	Medium
Flood	1% Annual Chance: \$32,280,254	Frequent	18	Medium
Geologic	GBS Exposed to Carbonate Rock Areas: \$808,978,405	Frequent	54	Medium**





Hazard type	Estimate of Potential Dollar Losses to Structures Vulnerable to the Hazard ^{a, c}	Probability of Occurrence	Risk Ranking Score (Probability x Impact)	Hazard Ranking ^b
Hurricane	100-year MRP: \$234,314 500-year MRP: \$2,392,334 Annualized: \$16,211	Frequent	48	High
Nor'Easter	Damage estimate not available	Frequent	48	High
Severe Weather	100-Year MRP: \$234,314 500-year MRP: \$2,392,334 Annualized: \$16,211	Frequent	48	High
Severe Winter Weather	1% GBS: \$9,265,520 5% GBS: \$46,327,599	Frequent	51	High
Wildfire	Estimated Value in the Extreme, Very High, and High Hazard Areas: \$2,455,940	Frequent	24	Medium
Hazardous Materials	Damage estimate not available	Frequent	36	High

Notes:

- * The hazard ranking was changed due to the location of high hazard dams in the municipality
- ** The hazard ranking was changed for this hazard based on input from the municipality, population exposed, and/or event history.
- GBS = General building stock; MRP = Mean return period.
- a. The general building stock valuation is based on the custom inventory generated for the municipality and based on improved value.
- b. High = Total hazard priority risk ranking score of 31 and above
Medium = Total hazard priority risk ranking of 15-30+
Low = Total hazard risk ranking below 15
- c. Loss estimates for the severe storm and severe winter storm hazards are structural values only and do not include the estimated value of contents. Loss estimates for the flood and earthquake hazards represent both structure and contents. Potential flood loss estimates were generated using Hazus-MH 3.0 and the 2011 FEMA DFIRM for the 1-percent annual chance event. For the geologic and wildfire hazards, the improved value and estimated contents of buildings located within the identified hazard zones is provided.

National Flood Insurance Program (NFIP) Summary

The following table summarizes the NFIP statistics for the Town of Newton.

Table 9.16-4. NFIP Summary

Municipality	# Policies (1)	# Claims (Losses) (1)	Total Loss Payments (2)	# Rep. Loss Prop. (1)	# Severe Rep. Loss Prop. (1)	# Policies in 1% Flood Boundary (3)
Town of Newton	26	3	\$58,654	0	0	13

Source: FEMA, 2014

- Note (1) Policies, claims, repetitive loss and severe repetitive loss statistics provided by FEMA and are current as of November 31, 2014 and are summarized by Community Name. Please note the total number of repetitive loss properties excludes the severe repetitive loss properties. The number of claims represents claims closed by 11/31/2014.
- Note (2) Total building and content losses from the claims file provided by FEMA Region 2.
- Note (3) The policies inside and outside of the flood zones is based on the latitude and longitude provided by FEMA Region 2 in the policy file.
- Note (4) FEMA noted that where there is more than one entry for a property, there may be more than one policy in force or more than one GIS possibility.
- Note (5) A zero percentage denotes less than 1/100th percentage and not zero damages or vulnerability as may be the case.

Critical Facilities

There are no critical facilities located in the FEMA 1% or 0.2% annual chance boundary.





Other Vulnerabilities Identified by Municipality

The Town identified the following vulnerabilities:

- There are two nursing homes, one retirement community/assistant living/nursing facility, two nursing homes, and dialysis center. There is a need for backup power at several of these facilities.
- Floodprone areas in the Town include: Woodside Avenue (Route 206), Clinton Street, Mill Street, High Street, Main Street, and Nelson Street
- There are three floodgates in the Town: Dam Site #2 (Swartswood Road), Dam Site #3 (below the softball fields at Sussex County Community College), and Dam Site #3 (college property above Hortons Pond).

9.16.5 CAPABILITY ASSESSMENT

This section identifies the following capabilities of the local jurisdiction:

- Planning and regulatory capability
- Administrative and technical capability
- Fiscal capability
- Education/Outreach and Community classification
- Self-Assessment of Capability
- National Flood Insurance Program
- Integration of Mitigation Planning into Existing and Future Planning Mechanisms

Planning and Regulatory Capability

The table below summarizes the regulatory tools that are available to the Town of Newton.

Table 9.16-5. Planning and Regulatory Tools

Tool/Program (code, ordinance, plan)	Do you have this? (Yes/No) If Yes, date of adoption or update	Authority (local, county, state, federal)	Dept./Agency Responsible	Code Citation and Comments (Code Chapter, name of plan, explanation of authority, etc.)
Planning Capability				
Master Plan	Yes	Local	Planning Board	Town of Newton master Plan, August 2008 (2009/2010)
Capital Improvements Plan	Yes	Local	Town Manager	Annually; part of the municipal budget; 5-year projection
Floodplain Management/Basin Plan	No			
Stormwater Management Plan	Yes	Local	DPW and Town Engineer	
Open Space Plan	Yes	Local	Planning Board	Town of Newton Master Plan, August 2008
Stream Corridor Management Plan	No			
Watershed Management or Protection Plan	Yes	Local	Licensed Operator	Part of the Forestry Plan
Economic Development Plan	Yes	Local	Planning Board	Town of Newton master Plan, August 2008



Table 9.16-5. Planning and Regulatory Tools

Tool/Program (code, ordinance, plan)	Do you have this? (Yes/No) If Yes, date of adoption or update	Authority (local, county, state, federal)	Dept./Agency Responsible	Code Citation and Comments (Code Chapter, name of plan, explanation of authority, etc.)
Comprehensive Emergency Management Plan	Yes	Local	OEM	Incorporated into the EOP; currently updating
Emergency Response Plan	Yes	Local	OEM	
Post-Disaster Recovery Plan	Yes	Local	OEM	Incorporated into the EOP; currently updating
Transportation Plan	Yes	Local	Planning Board	Circulation Plan
Strategic Recovery Planning Report	No			
Other Plans:	Yes	Local	Town Administration	Newton Community Forestry Management Plan (2010)
Regulatory Capability				
Building Code	Yes	State & Local	Construction	State Uniform Construction Code Act (N.J.S. 52:27D-119 et seq.)
Zoning Ordinance	Yes	Local	Code Enforcement	Chapter 320 – Zoning (2011)
Subdivision Ordinance	Yes	Local	Planning Board	Chapter 240 – Land Subdivision and Site Plan Review (2011)
NFIP Flood Damage Prevention Ordinance	Yes	Federal, State and Local	Construction Official	Chapter 120 – Flood Damage Prevention (2011)
NFIP: Cumulative Substantial Damages	No			
NFIP: Freeboard	Yes	State and Local	Construction Official	N.J.A.C 7:13 – Flood Hazard Area Control Act
Growth Management Ordinances	Yes	Local	Code Enforcement	Chapter 320 – Zoning (2011)
Site Plan Review Requirements	Yes	Local	Planning Board	Chapter 240 – Land Subdivision and Site Plan Review
Stormwater Management Ordinance	Yes	Local	Town	Chapter 258 – Stormwater Control
Municipal Separate Storm Sewer System (MS4)	Yes	Local	Town	Chapter 228, Article 7 – Sewer and Water; Municipal Separate Storm Sewer
Natural Hazard Ordinance	Yes	Local	Code Enforcement	Chapter 320 – Zoning (2011) – Steep Slopes
Post-Disaster Recovery Ordinance	No			
Real Estate Disclosure Requirement	Yes	State	Division of Consumer Affairs	N.J.A.C. 13:45A-29.1
Other [Special Purpose Ordinances (i.e., sensitive areas, steep slope)]	Yes	Local	Town	Chapter 166 – Land Use Procedures Chapter 262 – Stream Obstruction Chapter 297 – Tree Bank Chapter 299 – Trees

Administrative and Technical Capability

The table below summarizes potential staff and personnel resources available to the Town of Newton.





Table 9.16-6. Administrative and Technical Capabilities

Resources	Is this in place? (Yes or No)	Department/Agency/Position
Administrative Capability		
Planning Board	Yes	Planning and Zoning Boards
Mitigation Planning Committee	No	
Environmental Board/Commission	Yes	Shade Tree Commission
Open Space Board/Committee	Yes	Recreation Committee; Shade Tree Commission
Economic Development Commission/Committee	Yes	Economic Development Commission
Maintenance Programs to Reduce Risk	No	
Mutual Aid Agreements	Yes	Surrounding municipalities
Technical/Staffing Capability		
Planner(s) or Engineer(s) with knowledge of land development and land management practices	Yes	Professional Engineer - consultant
Engineer(s) or Professional(s) trained in construction practices related to buildings and/or infrastructure	Yes	Professional Engineer - consultant
Planners or engineers with an understanding of natural hazards	Yes	Professional Engineer and Planners- consultant
NFIP Floodplain Administrator	Yes	Construction Official
Surveyor(s)	Yes	Professional Engineer - consultant
Personnel skilled or trained in GIS and/or Hazus-MH applications	Yes	Professional Engineer - consultant
Scientist familiar with natural hazards	No	
Emergency Manager	Yes	Kenneth Teets, OEM Coordinator
Grant Writer(s)	Yes	Deputy Town Manager
Staff with expertise or training in benefit/cost analysis	No	
Professionals trained in conducting damage assessments	Yes	Building/Construction Department

Fiscal Capability

The table below summarizes financial resources available to the Town of Newton.

Table 9.16-7. Fiscal Capabilities

Financial Resources	Accessible or Eligible to Use (Yes/No/Don't Know)
Community Development Block Grants (CDBG, CDBG-DR)	Yes – housing rehab program that is a revolving fund
Capital Improvements Project Funding	Yes – part of annual budget
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 – pilots for some of the redevelopment plans
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





Table 9.16-7. Fiscal Capabilities

Financial Resources	Accessible or Eligible to Use (Yes/No/Don't Know)
Other Federal or State Funding Programs	Yes – USDA rural development
Open Space Acquisition Funding Programs	No
Other	No

Education/Outreach and Community Classifications

The table below summarizes education/outreach programs the community participates in and the classifications for community program available to the Town of Newton.

Table 9.16-8. Education/Outreach and Community Classifications

Program	Do you have/participate in this? (Yes/No)	Classification (if applicable)	Date Classified (if applicable)
Community Rating System (CRS)	No	NP	N/A
Building Code Effectiveness Grading Schedule (BCEGS)			
Public Protection (ISO Fire Protection Classes 1 to 10)	No		
Storm Ready	No	NP	N/A
Firewise	No	NP	N/A
Disaster/Safety Programs in/for Schools	Yes	Lockdown and Fire Drills every month; fire safety month	
Organizations with Mitigation Focus (advocacy group, non-government)	Yes – SCMUA	Walkill River group – plantings in the floodplain	
Public Education Program/Outreach (through website, social media)	Yes	Facebook, twitter, town website, Nixle	
Public-Private Partnerships	Yes	Walkill River	

The classifications listed above relate to the community’s ability to provide effective services to lessen its vulnerability to the hazards identified. These classifications can be viewed as a gauge of the community’s capabilities in all phases of emergency management (preparedness, response, recovery, and mitigation) and are used as an underwriting parameter for determining the costs of various forms of insurance. The Community Rating System (CRS) class applies to flood insurance while the Building Code Effectiveness Grading Schedule (BCEGS) and Public Protection classifications apply to standard property insurance. CRS classifications range on a scale of 1 to 10 with class 1 being the best possible classification, and class 10 representing no classification benefit. Firewise classifications include a higher classification when the subject property is located beyond 1,000 feet of a creditable fire hydrant and is within five road miles of a recognized fire station.

Criteria for classification credits are outlined in the following documents:

- The Community Rating System Coordinators Manual
- The Building Code Effectiveness Grading Schedule
- The ISO Mitigation online ISO’s Public Protection website at <http://www.isomitigation.com/ppc/0000/ppc0001.html>





- The National Weather Service Storm Ready website at <http://www.weather.gov/stormready/howto.htm>
- The National Firewise Communities website at <http://firewise.org/>

Self-Assessment of Capability

The table below provides an approximate measure of the Town of Newton’s capability to work in a hazard-mitigation capacity and/or effectively implement hazard mitigation strategies to reduce hazard vulnerabilities.

Table 9.16-9. Self-Assessment of Capability

Area	Degree of Hazard Mitigation Capability		
	Limited (If limited, what are your obstacles?)	Moderate	High
Planning and Regulatory Capability		X – create an ordinance	
Administrative and Technical Capability	X – lack of staff		
Fiscal Capability	X		
Community Political Capability	X		
Community Resiliency Capability	X – currently working on		
Capability to Integrate Mitigation into Municipal Processes and Activities.		X	

National Flood Insurance Program

NFIP Floodplain Administrator (FPA)

Joseph Butto, Construction Official

Flood Vulnerability Summary

The Town of Newton does not maintain lists/inventories of properties that have been damaged by floods. During recent storm events (Irene, Lee, Sandy), there were no reports of damaged structures within the municipality. The FPA did not make substantial damage estimates. There is currently no interest in mitigation within the Town.

Resources

The FPA is the sole person assuming the responsibilities of floodplain administration and does not provide any NFIP administration services or functions to residents of the Town. Additionally, the Town and FPA do not provide any education or outreach to the community regarding flood hazards/risk or flood risk reduction. The FPA stated that training is a barrier to running an effective floodplain management program in the Town. He also indicated that he does not feel adequately supported or trained to fulfill his responsibilities as the municipal FPA and he would consider attending continuing education and/or certification training on floodplain management.

Compliance History

It is unknown if the Town is in good-standing with the NFIP and it is unknown when the most recent compliance audit was conducted.





Regulatory

The FPA does not know if the Town's floodplain management regulations/ordinances exceed the FEMA and State minimum requirements. The Planning and Zoning Boards are usually notified by engineers on efforts to reduce flood risk. The FPA is unsure if the Town of Newton has considered joining CRS.

Community Rating System

The Town of Newton does not participate in the Community Rating System (CRS) program.

Integration of Hazard Mitigation into Existing and Future Planning Mechanisms

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, each community was surveyed to obtain a better understanding of their community's progress in plan integration. A summary is provided below. In addition, the community identified specific integration activities that will be incorporated into municipal procedures.

Land Use Planning: The Town has a Joint Land Use Board which reviews all applications for development and consider natural hazard risk areas in their review.

Newton Master Plan Reexamination 2008: This plan includes the identification of natural hazard risk areas like floodplains, wetlands, and steep slopes, as well as land use and zoning recommendations for managing those risks. The Plan included the following applicable goals and objectives:

1. Conserve and protect environmentally sensitive areas (e.g. steep slopes, wetlands, and floodplains) in Newton.
2. Utilize modern water runoff control techniques to improve local drainage patterns from new development and to enhance the environment.
3. Promote green building techniques, low impact development, energy efficient buildings and the use of alternative energy.

Regulatory and Enforcement (Ordinances)

The Town has multiple chapters pertaining to the mitigation of hazards. These ordinances include the Flood Damage Prevention Chapter, Stormwater Control Chapter, and an Environmental Impact Statement requirement.

Chapter 275: Flood Damage Prevention

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:

- A. To protect human life and health;
- B. To minimize expenditure of public money for costly flood control projects;
- C. To minimize the need for rescue and relief efforts associated with flooding and generally undertaken at the expense of the general public;
- D. To minimize prolonged business interruptions;
- E. To minimize damage to public facilities and utilities such as water and gas mains, electric, telephone and sewer lines, streets and bridges located in areas of special flood hazard;
- F. To help maintain a stable tax base by providing for the alternate use and development of areas of special flood hazard so as to minimize future flood blight areas;
- G. To ensure that potential buyers are notified that property is in an area of special flood hazard; and



H. To ensure that those who occupy the areas of special flood hazard assume responsibility for their actions.

Chapter 258: Stormwater Control:

The purposed of the Stormwater Control Chapter is to implement best management practices for stormwater management designed to promote the public health, safety and general welfare of the Town's citizens and businesses.

Chapter 240-3f: Environmentally Impact Statement

The purpose of this section of the Chapter is to allow the Town to assess the impact of a proposed development upon the natural environment. Before approving any major subdivision or any site plan that involves a nonresidential use in which there is proposed a new structure, an addition or alteration to an existing structure, a change of use or an expansion of an existing use, the Planning Board shall take into consideration the effect of the proposal for development upon the natural environment, particularly with respect to potable water, pollution of all kinds, flooding, waste disposal, soil erosion and the preservation of trees and other vegetation.

Operational and Administration

Newton's land use practices are guided by the decisions and recommendations of the Planning Board. The Planning Board is regulated by the New Jersey Municipal Land Use Law and guided by Newton's Land Use Ordinance.

The Planning Board is responsible for evaluating and rendering decisions on applications for development such as site plans, subdivisions, and variances. The Planning Board has reviewed a wide array of applications ranging from high-tech industrial development to the establishment of retail, commercial, and residential properties.

With the elimination of the Zoning Board of Adjustment at the end of 2010, the Planning Board is now also responsible for use variances. An application for a use variance is submitted when a use is not permitted in the zone, e.g. if a property is in a residential district and the owner wants to create a retail store on the property, then the owner would need to apply for a use variance. The retail use is not permitted in the residential zone and would require use variance approval

Funding

Operating Budget: The Towns operating budget contains minimal provisions for expected repairs like snow removal and infrastructure repair after a storm or natural disaster.

Grants: The Town has received funding from the NJDOT and The Garden State Preservation Trust Fund grant programs. The Town's 2014 Capital Budget includes line items for improvements to the Municipal Building, as well as a number or drainage and roadway improvements.

Education and Outreach

The Town's website posts information regarding upcoming community events and important municipal decisions on the home page.



Figure 9.16-1. Screenshot of Town Website with Examples of their Emergency Information



9.16.6 MITIGATION STRATEGY AND PRIORITIZATION

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

Past Mitigation Initiative Status

The following table indicates progress on the community’s mitigation strategy identified in the 2011 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 may also be found under ‘Capability Assessment’ presented previously in this annex.





Table 9.16-10. Past Mitigation Initiative Status

Initiative Number	2011 Mitigation Action	Responsible Party	Status (In progress, No progress, Complete)	Describe Status 1. Please describe what was accomplished and indicate % complete. 2. If there was no progress, indicate what obstacles/delays encountered? 3. If there was progress, how is/was the action being funded (e.g., FEMA HMGP grant, local budget)?	Next Step (Include in 2016 HMP? or Discontinue)	Describe Next Step 1. If including action in the 2015 HMP, revise/reword to be more specific (as appropriate). 2. If discontinue, explain why.
Newton Town 1	Retrofit roof to meet current standards for high winds on Halstead School located on Halstead Street	School Board Administrator	No Progress	Not complete – roof has not been replaced	Discontinue	The Town feels this is not a concern at this time; therefore, this action will not be included in the 2016 HMP Update.
Newton Town 2	Retrofit oldest portion of building with impact resistant windows of Newton Memorial Hospital located on High Street.	Memorial Hospital Administrator	No Progress	Not complete – Town does not have jurisdiction over the hospital property	Discontinue	The Town does not have jurisdiction over the hospital; therefore, this action will not be included in the 2016 HMP Update.
Newton Town 3	Retrofit roof to meet current snow load standards for two sections of Newton Memorial Hospital located on High Street.	Memorial Hospital Administrator	No Progress	Not complete – Town does not have jurisdiction over the hospital property	Discontinue	The Town does not have jurisdiction over the hospital; therefore, this action will not be included in the 2016 HMP Update.
Newton Town 4	Retrofit roof to meet current standards for high winds on Newton High School located on Ryerson Avenue.	School Board Administrator	Complete	Roof was replaced and upgraded to current building code	Discontinue	The roof of the high school was replaced; therefore, this action will not be included in the 2016 HMP Update.
Newton Town 5	Retrofit roof to meet current standards for snow load on school located on Merriam Avenue.	School Board Administrator	No Progress	Not complete – roof has not been replaced	Discontinue	The Town feels this is not a concern at this time; therefore, this action will not be included in the 2016 HMP Update.
Newton Town 6	Retrofit roof section over vehicle bays to meet current standards for snow load of Newton First Aid Squad 65 located on Sussex Street.	First Aid Squad Administrator	No Progress	Not complete – roof has not been replaced	Discontinue	The Town feels this is not a concern at this time; therefore, this action will not be included in the 2016 HMP Update.
Newton Town 7	Implement Fire Wise Program throughout the Town.	OEM Coordinator	No Progress	Not complete – it has been discussed; but not implemented	Include in 2016 HMP	The Town will include this in the 2016 HMP as it is still a concern for the municipality.



<u>Initiative Number</u>	<u>2011 Mitigation Action</u>	<u>Responsible Party</u>	<u>Status</u> (In progress, No progress, Complete)	<u>Describe Status</u> 1. Please describe what was accomplished and indicate % complete. 2. If there was no progress, indicate what obstacles/delays encountered? 3. If there was progress, how is/was the action being funded (e.g., FEMA HMGP grant, local budget)?	<u>Next Step</u> (Include in 2016 HMP? or Discontinue)	<u>Describe Next Step</u> 1. If including action in the 2015 HMP, revise/reword to be more specific (as appropriate). 2. If discontinue, explain why.
Newton Town 8	Install armoring at Dam #4 located on Sussex County College property.	Town Engineer	Complete	The Town tore away some of the earth around the emergency spillway and reinforced	Discontinue	The project has been completed; therefore, this action will not be included in the 2016 HMP.
Newton Town 9	Install armoring at Dam #2 located on Swartswood Road.	Town Engineer	In Progress	Currently in progress; working with NJDEP; should be completed within the next five years	Include in 2016 HMP	The Town is currently working the NJDEP; this action will be included in the 2016 HMP.
Newton Town 10	Conduct inundation study for Morris Lake Dam located on Morris Lake Road.	Town Engineer	Complete	The study for the Morris Lake Dam was completed.	Discontinue	The study has been completed; therefore, this action will not be included in the 2016 HMP,
Newton Town 11	Upgrade capacity of Merriam Avenue School stormwater pump facility.	DPW Administrator	No Progress	Due to lack of funding, this action has not been completed.	Include in 2016 HMP	This action will be included in the 2016 HMP.
Newton Town 12	Retrofit roof to meet current standards for high winds on Newton Municipal Building located on Trinity Street.	Town Manager	No Progress	As of the date of this plan, the roof does not need replacing.	Include in 2016 HMP	When the time comes for roof replacement, it will meet current standards for high winds.
Newton Town 13	Retrofit roof to meet current standards for snow load on Fire House #1 located on Mill Street	Station Commander	Complete	Upgraded to current standards	Discontinue	The roof has been replaced and meets current standards; therefore, this action will not be included in the 2016 HMP.
Newton Town 14	Retrofit roof to meet current standards for snow load of Fire House #2 located on Woodside Avenue.	Station Commander	No Progress	As of the date of this plan, the roof does not need replacing.	Include in 2016 HMP	When the time comes for roof replacement, it will meet current standards for snow loads.
Newton Town 15	Storm-water management system upgrade and improvement access way to DPW Garage located on Moran Street.	DPW Administrator	No Progress	Due to lack of funding, this action has not been completed.	Include in 2016 HMP	Storm-water management system upgrade and improvement access way to DPW Garage located on Moran Street.
Newton Town 16	Retrofit roof to meet current standards for snow load of	Deputy Town Manager	Complete	Roof has been upgraded to meet current building code standards	Discontinue	The roof has been replaced and meets current standards;





<u>Initiative Number</u>	<u>2011 Mitigation Action</u>	<u>Responsible Party</u>	<u>Status</u> (In progress, No progress, Complete)	<u>Describe Status</u> 1. Please describe what was accomplished and indicate % complete. 2. If there was no progress, indicate what obstacles/delays encountered? 3. If there was progress, how is/was the action being funded (e.g., FEMA HMGP grant, local budget)?	<u>Next Step</u> (Include in 2016 HMP? or Discontinue)	<u>Describe Next Step</u> 1. If including action in the 2015 HMP, revise/reword to be more specific (as appropriate). 2. If discontinue, explain why.
	one waste water treatment plant located on Townsend Street.					therefore, this action will not be included in the 2016 HMP.
Newton Town 17	Retrofit two buildings with impact resistant windows and shutters at the Sussex County Community College	College Administrator	No Progress	At the time of this plan, the windows are not in need of replacement.	Include in 2016 HMP	When the time comes to replace the windows, they will be impact resistant windows and shutters.
Newton Town 18	Retrofit two buildings to meet current snow load standards at the Sussex County Community College	College Administrator	No Progress	At the time of this plan, the roofs are not in need of replacement.	Include in 2016 HMP	When it comes time to replace the roofs, they will meet current snow load standards.
Newton Town 19	Conduct all-hazards public education and outreach program for hazard mitigation and preparedness.	OEM Coordinator, in coordination with SCDEM	In Progress	The Town currently uses social media (Facebook, Twitter and Nixle) and the municipal website.	Include in 2016 HMP	The Town will include this in the 2016 HMP.



Completed Mitigation Initiatives not Identified in the Previous Mitigation Strategy

The Town has identified the following mitigation projects/activities that have also been completed but were not identified in the previous mitigation strategy in the 2011 HMP:

- Dam Site #2 on Swartswood Road – the Town is in the process of working with the NJDEP to raise the area to the 100-year flood level
- Dam Site #4 – the Town tore away some of the earth around the emergency spillway and reinforced

Proposed Hazard Mitigation Initiatives for the Plan Update

The Town participated in a mitigation action workshop in April 2015 and was provided the following FEMA publications to use as a resource as part of their comprehensive review of all possible activities and mitigation measures to address their hazards: FEMA 551 ‘Selecting Appropriate Mitigation Measures for Floodprone Structures’ (March 2007) and FEMA ‘Mitigation Ideas – A Resource for Reducing Risk to Natural Hazards’ (January 2013). In May 2015, the Town participated in a second workshop led by FEMA Region 2 and NJOEM and was provided the results to the risk assessment to further assist with the identification of mitigation actions.

Table 9.16-11 summarizes the comprehensive-range of specific mitigation initiatives the Town would like to pursue in the future to reduce the effects of hazards. Some of these initiatives may be previous actions carried forward for this plan update. These initiatives are dependent upon available funding (grants and local match availability) and may be modified or omitted at any time based on the occurrence of new hazard events and changes in municipal priorities. Both the four FEMA mitigation action categories and the six CRS mitigation action categories are listed in the table below to further demonstrate the wide-range of activities and mitigation measures selected.

As discussed in Section 6, 14 evaluation/prioritization criteria are used to complete the prioritization of mitigation initiatives. For each new mitigation action, a numeric rank is assigned (-1, 0, or 1) for each of the 14 evaluation criteria to assist with prioritizing your actions as ‘High’, ‘Medium’, or ‘Low’. Table 9.16-12 provides a summary of the prioritization of all proposed mitigation initiatives for the HMP update.



Table 9.16-11. Proposed Hazard Mitigation Initiatives

Initiative	Mitigation Initiative	Applies to New and/or Existing Structures*	Hazard(s) Mitigated	Goals Met	Lead and Support Agencies	Estimated Benefits	Estimated Cost	Sources of Funding	Timeline	Priority	Mitigation Category	CRS Category
Newton-1 (new)	Support the mitigation of vulnerable structures via retrofit (e.g. elevation, flood-proofing) or acquisition/relocation to protect structures from future damage, with repetitive loss and severe repetitive loss properties as a priority when applicable. Phase 1: Identify appropriate candidates and determine most cost-effective mitigation option. Phase 2: Work with the property owners to implement selected action based on available funding and local match availability.											
	See above.	Existing	Flood, Severe Weather, Wildfire, Severe Winter Weather	All	Engineering via NFIP FPA with NJOEM, FEMA support	High	High	FEMA Mitigation Grant Programs and local budget (or property owner) for cost share	Ongoing (outreach and specific project identification); Long term DOF (specific project application and implementation)	High	SIP	PP
Newton-2 (new)	Utilize the Hazard Mitigation Plan (HMP) when updating the Comprehensive Master Plan; consider including hazard identification, hazard zones risk assessment information, and hazard mitigation goals as identified in the HMP. Further, the findings and recommendation of the HMP will be considered during any future site plan review processes.	Both	All	All	Planning	High	Low	Municipal	Short	High	LPR	PR
Newton-3 (new)	Fire House #2 is in need of updating/renovating. This will include the incorporation of the Town EOC.	Both	All	All	Town Administration, Fire Department, OEM	High	High	Grant Funding where available; municipal budget	Short Term / DOF	High	SIP	PP
Newton-4 (revised old #9)	Dam Site #2 - the Town is in the process of working with the NJDEP to raise the area to the 100-year flood level	Existing	Dam Failure, Flood, Severe Weather	1, 2, 5	Town DPW and Engineering, NJDEP	High	Medium to High	NJDEP and municipal budget	Short Term	High	SIP	PP
Newton-5 (new)	Work with the County and NJDOT to identify and address	Existing	Flood, Severe Weather	1, 2, 5	Town DPW, County, and NJDOT	High	High	NJDOT	Short Term / DOF	High	SIP	PP





Table 9.16-11. Proposed Hazard Mitigation Initiatives

Initiative	Mitigation Initiative	Applies to New and/or Existing Structures*	Hazard(s) Mitigated	Goals Met	Lead and Support Agencies	Estimated Benefits	Estimated Cost	Sources of Funding	Timeline	Priority	Mitigation Category	CRS Category
	the drainage issues along Woodside Avenue.											
Newton-6 (new)	Ensure continuity of operations at critical locations: Backup generators for the municipal schools – used for shelters for the Town	Existing	All	1, 2, 6	School Board, Town Administration	High	Medium to High	HMGP with local cost share; municipal / school budget	Short Term / DOF	High	SIP	PP
Newton-7 (new)	Ensure continuity of operations at critical locations: Backup power for the nursing homes and dialysis center located in the Town	Existing	All	1, 2, 6	Building Operators with support from the Town	High	Medium to High	HMGP with local cost share; building budgets	Short Term / DOF	High	SIP	PP
Newton-8 (old #11)	Upgrade capacity of Merriam Avenue School stormwater pump facility.	Existing	Flood, Severe Weather	1, 2	Town DPW and Engineer	High	Medium to High	Grant Funding where available; municipal budget	Short Term / DOF	High	SIP	PP
Newton-9 (old #12)	Retrofit roof to meet current standards for high winds on Newton Municipal Building located on Trinity Street.	Existing	Hurricanes / Tropical Storms, Severe Weather, Severe Winter Weather	1, 2, 6	Town Administration	Medium	Medium to High	Municipal Budget	Short Term / DOF	Medium	SIP	PP
Newton-10 (old #14)	Retrofit roof to meet current standards for snow load of Fire House #2 located on Woodside Avenue.	Existing	Severe Winter Weather	1, 2, 6	Town Engineer and Fire Department	Medium	Medium to High	Municipal Budget	Short Term / DOF	Medium	SIP	PP
Newton-11 (old #15)	Stormwater management system upgrade and improvement access way to DPW Garage located on Moran Street.	Existing	Flood, Severe Weather	1, 2, 6	Town DPW and Engineer	Medium to High	Medium to High	Grant funding where available; municipal budget	Short Term / DOF	High	SIP	PP



Table 9.16-11. Proposed Hazard Mitigation Initiatives

Initiative	Mitigation Initiative	Applies to New and/or Existing Structures*	Hazard(s) Mitigated	Goals Met	Lead and Support Agencies	Estimated Benefits	Estimated Cost	Sources of Funding	Timeline	Priority	Mitigation Category	CRS Category
Newton-12 (old #17)	Retrofit two buildings with impact resistant windows and shutters at the Sussex County Community College	Existing	Hurricanes / Tropical Storms, Severe Weather, Severe Winter Weather	1, 2, 6	Engineering and School Administration	Medium	Medium to High	School Budget	Short Term / DOF	Medium	SIP	PP
Newton-13 (old #18)	Retrofit two buildings to meet current snow load standards at the Sussex County Community College	Existing	Severe Winter Weather	1, 2, 6	Engineering and School Administration	Medium	Medium to High	School Budget	Short Term / DOF	Medium	SIP	PP
Newton-14 (old #19)	Conduct all-hazards public education and outreach program for hazard mitigation and preparedness.	N/A	All	All	Town Administration, OEM	High	Low	Municipal Budget	Ongoing	High	LPR, EAP	PI, PR

Notes:

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

*Does this mitigation initiative reduce the effects of hazards on new and/or existing buildings and/or infrastructure? Not applicable (N/A) is inserted if this does not apply.

Acronyms and Abbreviations:

- 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
- NJDEP New Jersey Department of Environmental Protection
- NJOEM New Jersey Office of Emergency Management
- 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
- RFC Repetitive Flood Claims Grant Program (discontinued)
- SRL Severe Repetitive Loss Grant Program (discontinued)

Timeline:

- Short 1 to 5 years
- Long Term 5 years or greater
- OG On-going program
- DOF Depending on funding

Costs:

Where actual project costs have been reasonably estimated:

- Low < \$10,000
- Medium \$10,000 to \$100,000
- High > \$100,000

Where actual project costs cannot reasonably be established at this time:

Benefits:

Where possible, an estimate of project benefits (per FEMA's benefit calculation methodology) has been evaluated against the project costs, and is presented as:

- Low= < \$10,000
- Medium \$10,000 to \$100,000
- High > \$100,000

Where numerical project benefits cannot reasonably be established at this time:





Costs:

- Low Possible to fund under existing budget. Project is part of, or can be part of an existing on-going program.
- Medium Could budget for under existing work plan, but would require a reapportionment of the budget or a budget amendment, or the cost of the project would have to be spread over multiple years.
- High Would require an increase in revenue via an alternative source (i.e., bonds, grants, fee increases) to implement. Existing funding levels are not adequate to cover the costs of the proposed project.

Benefits:

- Low Long-term benefits of the project are difficult to quantify in the short term.
- Medium Project will have a long-term impact on the reduction of risk exposure to life and property, or project will provide an immediate reduction in the risk exposure to property.
- High Project will have an immediate impact on the reduction of risk exposure to life and property.

Mitigation Category:

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

CRS Category:

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



Table 9.16-12. Summary of Prioritization of Actions

Mitigation Action / Project Number	Mitigation Action/Initiative	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
Newton-1 (new)	Support the mitigation of vulnerable structures via retrofit (e.g. elevation, flood-proofing) or acquisition / relocation to protect structures from future damage, with repetitive loss and severe repetitive loss properties as a priority when applicable.	1	1	1	1	1	1	1	0	1	1	1	1	1	1	13	High
Newton-2 (new)	Utilize the Hazard Mitigation Plan (HMP) when updating the Comprehensive Master Plan	1	1	1	1	1	1	1	0	1	1	1	1	1	1	13	High
Newton-3 (new)	Fire House #2 is in need of updating/renovating. This will include the incorporation of the Town EOC.	1	1	1	1	1	1	-1	0	1	1	1	0	1	1	10	High
Newton-4 (revised old #9)	Dam Site #2 - the Town is in the process of working with the NJDEP to raise the area to the 100-year flood level	1	1	1	0	1	1	0	1	1	1	1	1	1	0	11	High
Newton-5 (new)	Work with the County and NJDOT to identify and address the drainage issues along Woodside Avenue.	1	1	1	1	1	-1	0	1	1	0	1	0	1	0	8	High
Newton-6 (new)	Backup generators for the municipal schools – used for shelters for the Town	1	1	1	1	1	1	0	0	1	1	1	1	1	1	12	High
Newton-7 (new)	Backup power for the nursing homes and dialysis center located in the Town	1	1	1	1	0	0	-1	0	1	0	1	0	1	0	6	High
Newton-8 (old #11)	Upgrade capacity of Merriam Avenue School stormwater pump facility.	1	1	1	1	1	1	0	0	1	1	1	1	1	1	12	High
Newton-9 (old #12)	Retrofit roof to meet current standards for high winds on Newton Municipal Building located on Trinity Street.	1	1	1	0	0	1	0	0	1	1	1	0	0	0	7	Medium
Newton-10 (old #14)	Retrofit roof to meet current standards for snow load of Fire House #2 located on Woodside Avenue.	1	1	1	0	0	1	0	0	1	1	1	0	0	0	7	Medium
Newton-11 (old #15)	Stormwater management system upgrade and improvement access	1	1	1	1	1	1	1	0	1	1	1	0	1	1	12	High





Table 9.16-12. Summary of Prioritization of Actions

Mitigation Action / Project Number	Mitigation Action/Initiative	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
	way to DPW Garage located on Moran Street.																
Newton-12 (old #17)	Retrofit two buildings with impact resistant windows and shutters at the Sussex County Community College	1	1	1	0	0	-1	0	0	1	0	1	0	0	0	4	Medium
Newton-13 (old #18)	Retrofit two buildings to meet current snow load standards at the Sussex County Community College	1	1	1	0	0	-1	0	0	1	0	1	0	0	0	4	Medium
Newton-14 (old #19)	Conduct all-hazards public education and outreach program for hazard mitigation and preparedness.	1	1	1	1	1	1	1	0	1	1	1	1	1	1	13	High

Note: Refer to Section 6 which contains the guidance on conducting the prioritization of mitigation actions.



9.16.7 FUTURE NEEDS TO BETTER UNDERSTAND RISK/VULNERABILITY

None at this time.

9.16.8 HAZARD AREA EXTENT AND LOCATION

Hazard area extent and location maps have been generated for the Town of Newton 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 considered to be adequate for planning purposes. Maps have only been generated for those hazards that can be clearly identified using mapping techniques and technologies, and for which the Town of Newton has significant exposure. These maps are illustrated in the hazard profiles within Section 5.4, Volume I of this Plan.

9.16.9 ADDITIONAL COMMENTS

None at this time.



Figure 9.16-1. Town of Newton Hazard Area Extent and Location Map 1

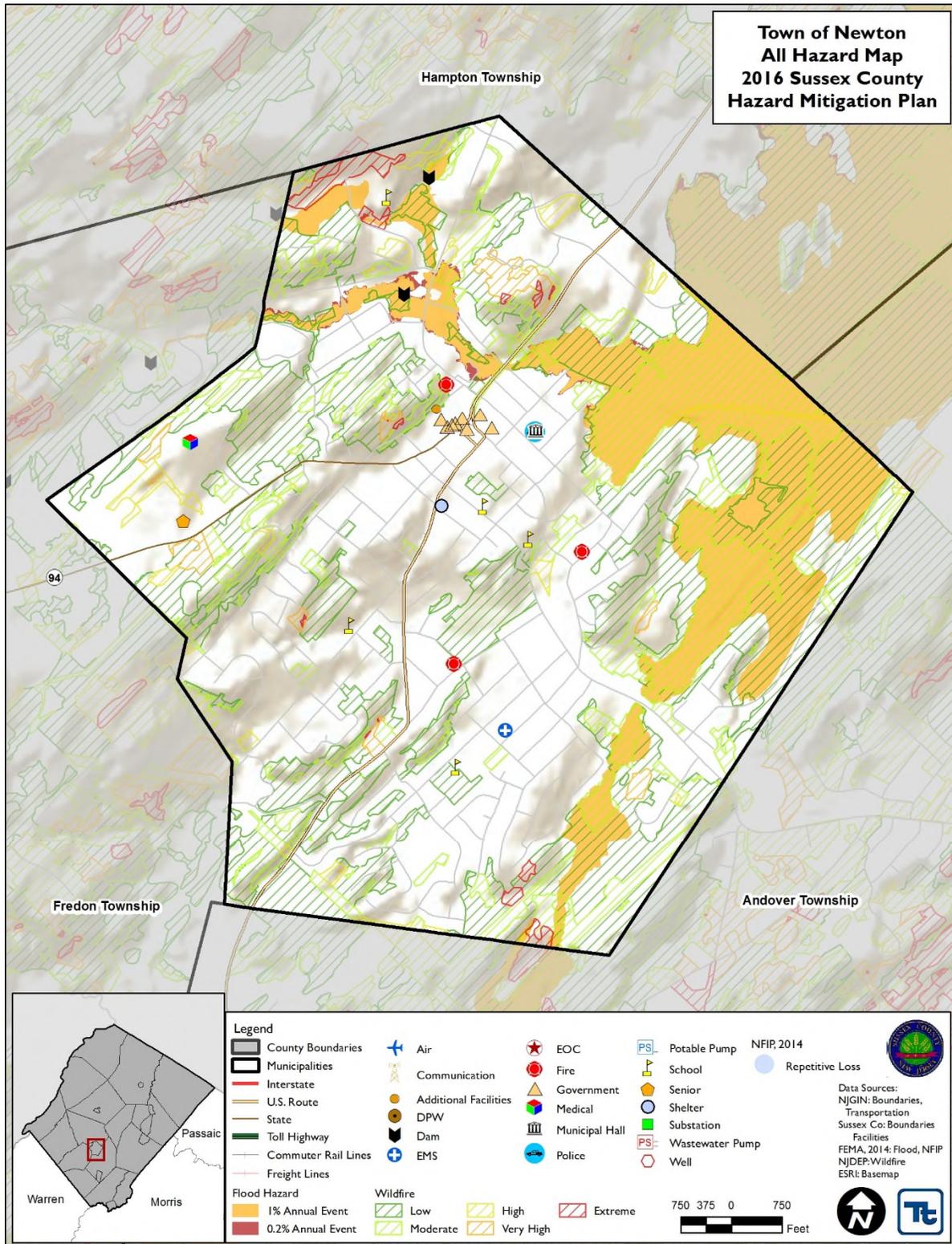
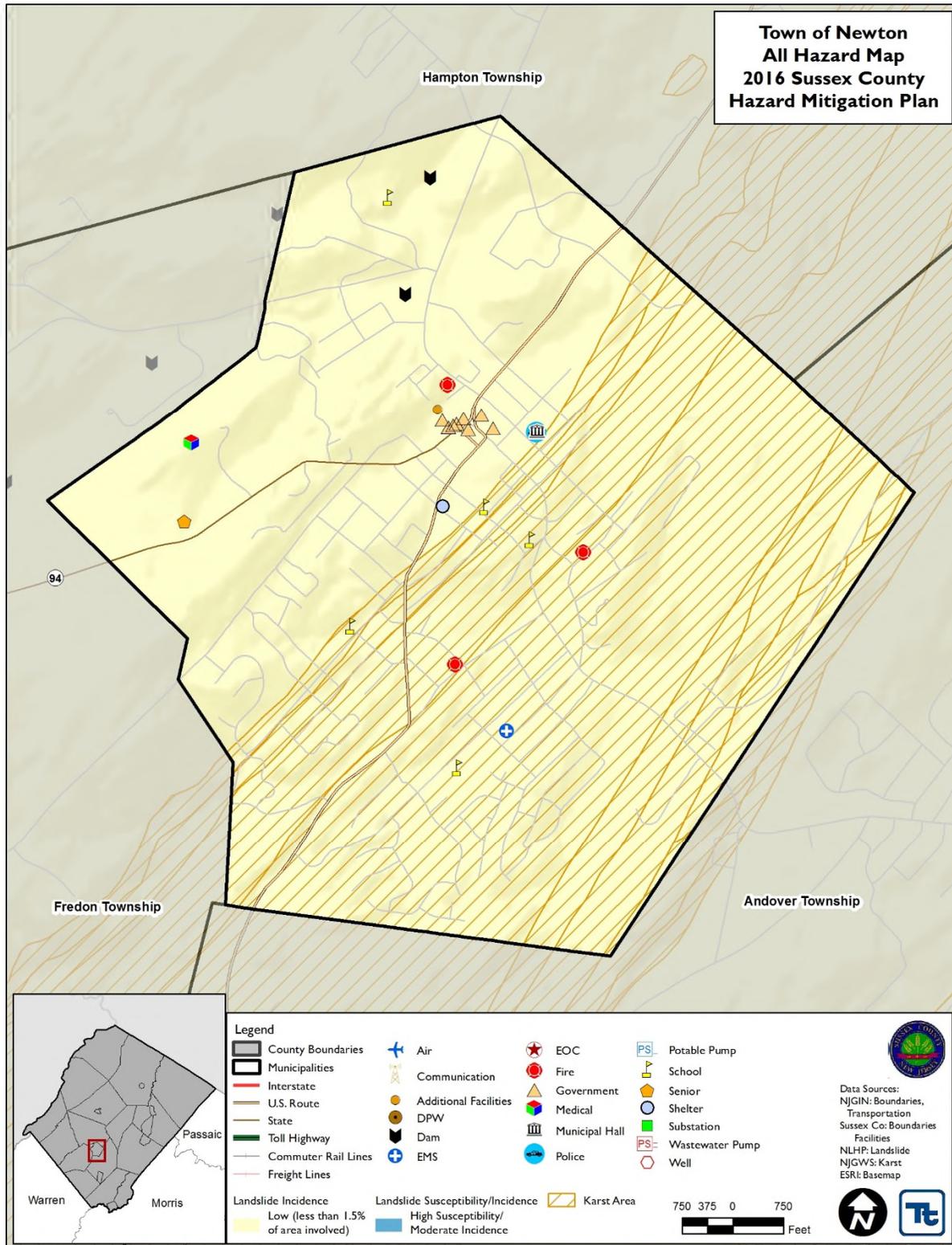




Figure 9.16-2. Town of Newton Hazard Area Extent and Location Map 2





Action Number: Newton-3
Action Name: Fire House #2 update/renovation

Assessing the Risk	
Hazard(s) addressed:	All
Specific problem being mitigated:	The fire house is in need of updating/renovating.
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	1. Fire House #2 update/renovation
	2. Do nothing – current problem continues
	3. No other feasible options were identified
Action/Project Intended for Implementation	
Description of Selected Action/Project	Fire House #2 is in need of updating/renovating. This will include the incorporation of the Town EOC.
Mitigation Action/Project Type	SIP
Goals Met	All
Applies to existing structures/infrastructure, future, or not applicable	Both
Benefits (losses avoided)	High
Estimated Cost	High
Priority*	High
Plan for Implementation	
Responsible Organization	Planning
Local Planning Mechanism	Capital Improvements, Emergency Management
Potential Funding Sources	Grant Funding where available; municipal budget
Timeline for Completion	Shor Term / DOF
Reporting on Progress	
Date of Status Report/ Report of Progress	Date: Progress on Action/Project:

* Refer to results of Prioritization (see next page)



Action Number: Newton-3
Action Name: Fire House #2 update/renovation

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	
Property Protection	1	
Cost-Effectiveness	1	
Technical	1	
Political	1	
Legal	1	
Fiscal	-1	Need to seek grant funding
Environmental	0	
Social	1	
Administrative	1	
Multi-Hazard	1	All hazards
Timeline	0	
Agency Champion	1	
Other Community Objectives	1	
Total	10	
Priority (High/Med/Low)	High	



Action Number: Newton-4
Action Name: Dam Site #2 - raise the area to the 100-year flood level

Assessing the Risk	
Hazard(s) addressed:	Dam Failure, Flood, Severe Weather
Specific problem being mitigated:	This area is below the 100-year flood level and prone to flooding
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	1. Dam Site #2 - raise the area to the 100-year flood level
	2. Do nothing – current problem continues
	3. No other feasible options were identified
Action/Project Intended for Implementation	
Description of Selected Action/Project	Dam Site #2 - the Town is in the process of working with the NJDEP to raise the area to the 100-year flood level
Mitigation Action/Project Type	SIP
Goals Met	1, 2, 5
Applies to existing structures/infrastructure, future, or not applicable	Existing
Benefits (losses avoided)	High
Estimated Cost	Medium to High
Priority*	High
Plan for Implementation	
Responsible Organization	Town Administration, Fire Department, OEM
Local Planning Mechanism	Emergency Management
Potential Funding Sources	NJDEP and municipal budget
Timeline for Completion	Short Term
Reporting on Progress	
Date of Status Report/ Report of Progress	Date: Progress on Action/Project:

* Refer to results of Prioritization (see next page)



Action Number: Newton-4
Action Name: Dam Site #2 - raise the area to the 100-year flood level

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	Protect those that live within the area of the dam
Property Protection	1	Protect surrounding properties
Cost-Effectiveness	1	
Technical	0	
Political	1	
Legal	1	
Fiscal	0	Project has been started; Town working with NJDEP
Environmental	1	
Social	1	
Administrative	1	
Multi-Hazard	1	Dam Failure, Flood, Severe Weather
Timeline	1	
Agency Champion	1	
Other Community Objectives	0	
Total	11	
Priority (High/Med/Low)	High	



Action Number: Newton-5
Action Name: Address the drainage issues along Woodside Avenue.

Assessing the Risk	
Hazard(s) addressed:	Flood, Severe Weather
Specific problem being mitigated:	This area is a state highway and floods during periods of heavy precipitation
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	1. Address the drainage issues along Woodside Avenue.
	2. Do nothing – current problem continues
	3. No other feasible options were identified
Action/Project Intended for Implementation	
Description of Selected Action/Project	Work with the County and NJDOT to identify and address the drainage issues along Woodside Avenue.
Mitigation Action/Project Type	SIP
Goals Met	1, 2, 5
Applies to existing structures/infrastructure, future, or not applicable	Existing
Benefits (losses avoided)	High
Estimated Cost	High
Priority*	High
Plan for Implementation	
Responsible Organization	Town DPW and Engineering, NJDEP
Local Planning Mechanism	Stormwater Management, Emergency Management
Potential Funding Sources	NJDOT
Timeline for Completion	Short Term / DOF
Reporting on Progress	
Date of Status Report/ Report of Progress	Date: Progress on Action/Project:

* Refer to results of Prioritization (see next page)



Action Number: Newton-5
Action Name: Address the drainage issues along Woodside Avenue.

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	Protect residents that live in the area of Woodside Avenue
Property Protection	1	
Cost-Effectiveness	1	
Technical	1	
Political	1	
Legal	-1	This is a state road and NJDOT is responsible for this roadway
Fiscal	0	
Environmental	1	
Social	1	
Administrative	0	
Multi-Hazard	1	Flood, Severe Weather
Timeline	0	
Agency Champion	1	
Other Community Objectives	0	
Total	8	
Priority (High/Med/Low)	High	



Action Number: Newton-6
Action Name: Backup generators for the municipal schools

Assessing the Risk	
Hazard(s) addressed:	All
Specific problem being mitigated:	Lack of backup power for the schools in the Town that serve as shelters during emergencies
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	1. Backup generators for the municipal schools
	2. Do nothing – current problem continues
	3. No other feasible options were identified
Action/Project Intended for Implementation	
Description of Selected Action/Project	Backup generators for the municipal schools – used for shelters for the Town
Mitigation Action/Project Type	SIP
Goals Met	1, 2, 6
Applies to existing structures/infrastructure, future, or not applicable	Existing
Benefits (losses avoided)	High
Estimated Cost	Medium to High
Priority*	High
Plan for Implementation	
Responsible Organization	Town DPW, County, and NJDOT
Local Planning Mechanism	Capital Improvements, Emergency Management
Potential Funding Sources	HMGP with local cost share; municipal / school budget
Timeline for Completion	Short Term / DOF
Reporting on Progress	
Date of Status Report/ Report of Progress	Date: Progress on Action/Project:

* Refer to results of Prioritization (see next page)



Action Number: Newton-6
Action Name: Backup generators for the municipal schools

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	
Property Protection	1	Allow building to function properly in the event of a power outage
Cost-Effectiveness	1	
Technical	1	
Political	1	
Legal	1	
Fiscal	0	
Environmental	0	
Social	1	
Administrative	1	
Multi-Hazard	1	All hazards
Timeline	1	
Agency Champion	1	
Other Community Objectives	1	
Total	12	
Priority (High/Med/Low)	High	



Action Number: Newton-7
Action Name: Backup power for the nursing homes and dialysis center

Assessing the Risk	
Hazard(s) addressed:	All
Specific problem being mitigated:	Lack of backup power at the nursing facilities in the Town
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	1. Backup power for the nursing homes and dialysis center
	2. Do nothing – current problem continues
	3. No other feasible options were identified
Action/Project Intended for Implementation	
Description of Selected Action/Project	Backup power for the nursing homes and dialysis center located in the Town
Mitigation Action/Project Type	SIP
Goals Met	1, 2, 6
Applies to existing structures/infrastructure, future, or not applicable	Existing
Benefits (losses avoided)	High
Estimated Cost	Medium to High
Priority*	High
Plan for Implementation	
Responsible Organization	School Board, Town Administration
Local Planning Mechanism	Capital Improvements, Emergency Management
Potential Funding Sources	HMGP with local cost share; building budgets
Timeline for Completion	Short Term / DOF
Reporting on Progress	
Date of Status Report/ Report of Progress	Date: Progress on Action/Project:

* Refer to results of Prioritization (see next page)



Action Number: Newton-7
Action Name: Backup power for the nursing homes and dialysis center

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	
Property Protection	1	Allow building to function properly in the event of a power outage
Cost-Effectiveness	1	
Technical	1	
Political	0	
Legal	0	
Fiscal	-1	
Environmental	0	
Social	1	
Administrative	0	
Multi-Hazard	1	All hazards
Timeline	0	
Agency Champion	1	
Other Community Objectives	0	
Total	6	
Priority (High/Med/Low)	High	



Action Number: Newton-8
Action Name: Upgrade capacity of Merriam Avenue School stormwater pump facility.

Assessing the Risk	
Hazard(s) addressed:	Flood, Severe Weather
Specific problem being mitigated:	The pump facility in this part of Town is prone to flooding during periods of heavy rain
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	1. Upgrade capacity of Merriam Avenue School stormwater pump facility. 2. Do nothing – current problem continues 3. No other feasible options were identified
Action/Project Intended for Implementation	
Description of Selected Action/Project	Upgrade capacity of Merriam Avenue School stormwater pump facility.
Mitigation Action/Project Type	SIP
Goals Met	1, 2
Applies to existing structures/infrastructure, future, or not applicable	Existing
Benefits (losses avoided)	High
Estimated Cost	Medium to High
Priority*	High
Plan for Implementation	
Responsible Organization	Building Operators with support from the Town
Local Planning Mechanism	Capital Improvements, Stormwater Management
Potential Funding Sources	Grant Funding where available; municipal budget
Timeline for Completion	Short Term / DOF
Reporting on Progress	
Date of Status Report/ Report of Progress	Date: Progress on Action/Project:

* Refer to results of Prioritization (see next page)



Action Number: Newton-8
Action Name: Upgrade capacity of Merriam Avenue School stormwater pump facility.

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	
Property Protection	1	Reduce flooding impacts to the pump facility
Cost-Effectiveness	1	
Technical	1	
Political	1	
Legal	1	
Fiscal	0	
Environmental	0	
Social	1	
Administrative	1	
Multi-Hazard	1	Flood, Severe Weather
Timeline	1	
Agency Champion	1	
Other Community Objectives	1	
Total	12	
Priority (High/Med/Low)	High	



Action Number: Newton-9
Action Name: Retrofit roof of Newton Municipal Building

Assessing the Risk	
Hazard(s) addressed:	Hurricanes / Tropical Storms, Severe Weather, Severe Winter Weather
Specific problem being mitigated:	Building may or may not meet current high wind standards and pose a risk of being damaged during periods of high winds
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	1. Retrofit roof of Newton Municipal Building
	2. Do nothing – current problem continues
	3. No other feasible options were identified
Action/Project Intended for Implementation	
Description of Selected Action/Project	Retrofit roof to meet current standards for high winds on Newton Municipal Building located on Trinity Street.
Mitigation Action/Project Type	SIP
Goals Met	1, 2, 6
Applies to existing structures/infrastructure, future, or not applicable	Existing
Benefits (losses avoided)	Medium
Estimated Cost	Medium to High
Priority*	Medium
Plan for Implementation	
Responsible Organization	Town DPW and Engineer
Local Planning Mechanism	Capital Improvements
Potential Funding Sources	Municipal Budget
Timeline for Completion	Short Term / DOF
Reporting on Progress	
Date of Status Report/ Report of Progress	Date: Progress on Action/Project:

* Refer to results of Prioritization (see next page)



Action Number: Newton-9
Action Name: Retrofit roof of Newton Municipal Building

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	
Property Protection	1	Protect building's roof from high winds
Cost-Effectiveness	1	
Technical	0	
Political	0	
Legal	1	
Fiscal	0	
Environmental	0	
Social	1	
Administrative	1	
Multi-Hazard	1	Hurricanes / Tropical Storms, Severe Weather, Severe Winter Weather
Timeline	0	
Agency Champion	0	
Other Community Objectives	0	
Total	7	
Priority (High/Med/Low)	Medium	



Action Number: Newton-10
Action Name: Retrofit roof of Fire House #2

Assessing the Risk	
Hazard(s) addressed:	Severe Winter Weather
Specific problem being mitigated:	Building may or may not meet current snow load standards and pose a risk of being damaged during periods of heavy snow
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	1. Retrofit roof of Fire House #2
	2. Do nothing – current problem continues
	3. No other feasible options were identified
Action/Project Intended for Implementation	
Description of Selected Action/Project	Retrofit roof to meet current standards for snow load of Fire House #2 located on Woodside Avenue.
Mitigation Action/Project Type	SIP
Goals Met	1, 2, 6
Applies to existing structures/infrastructure, future, or not applicable	Existing
Benefits (losses avoided)	Medium
Estimated Cost	Medium to High
Priority*	Medium
Plan for Implementation	
Responsible Organization	Town Administration
Local Planning Mechanism	Capital Improvements
Potential Funding Sources	Municipal Budget
Timeline for Completion	Short Term / DOF
Reporting on Progress	
Date of Status Report/ Report of Progress	Date: Progress on Action/Project:

* Refer to results of Prioritization (see next page)



Action Number: Newton-10
Action Name: Retrofit roof of Fire House #2

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	
Property Protection	1	Protect building from roof damage due to heavy snow
Cost-Effectiveness	1	
Technical	0	
Political	0	
Legal	1	
Fiscal	0	
Environmental	0	
Social	1	
Administrative	1	
Multi-Hazard	1	Severe Winter Weather
Timeline	0	
Agency Champion	0	
Other Community Objectives	0	
Total	7	
Priority (High/Med/Low)	Medium	



Action Number: Newton-11
Action Name: Stormwater management system upgrade and improvement access way to DPW Garage located on Moran Street.

Assessing the Risk	
Hazard(s) addressed:	Flood, Severe Weather
Specific problem being mitigated:	This area tends to flood during periods of heavy rain
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	<ol style="list-style-type: none"> 1. Stormwater management system upgrade and improvement access way to DPW Garage located on Moran Street. 2. Do nothing – current problem continues 3. No other feasible options were identified
Action/Project Intended for Implementation	
Description of Selected Action/Project	Stormwater management system upgrade and improvement access way to DPW Garage located on Moran Street.
Mitigation Action/Project Type	SIP
Goals Met	1, 2, 6
Applies to existing structures/infrastructure, future, or not applicable	Existing
Benefits (losses avoided)	Medium to High
Estimated Cost	Medium to High
Priority*	High
Plan for Implementation	
Responsible Organization	Town Engineer and Fire Department
Local Planning Mechanism	Capital Improvements, Stormwater Management
Potential Funding Sources	Grant funding where available; municipal budget
Timeline for Completion	Short Term / DOF
Reporting on Progress	
Date of Status Report/ Report of Progress	Date: Progress on Action/Project:

* Refer to results of Prioritization (see next page)



Action Number: Newton-11
Action Name: Stormwater management system upgrade and improvement access way to DPW Garage located on Moran Street.

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	
Property Protection	1	Reduce flood damage to the access way of the DPW garage
Cost-Effectiveness	1	
Technical	1	
Political	1	
Legal	1	
Fiscal	1	
Environmental	0	
Social	1	
Administrative	1	
Multi-Hazard	1	Flood, Severe Weather
Timeline	0	
Agency Champion	1	
Other Community Objectives	1	
Total	12	
Priority (High/Med/Low)	High	



Action Number: Newton-12
Action Name: Retrofit two buildings with impact resistant windows and shutters at the Sussex County Community College

Assessing the Risk	
Hazard(s) addressed:	Hurricanes / Tropical Storms, Severe Weather, Severe Winter Weather
Specific problem being mitigated:	Buildings do not have impact resistant windows or shutters and may be prone to damages during periods of strong winds.
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	<ol style="list-style-type: none"> 1. Retrofit two buildings with impact resistant windows and shutters at the Sussex County Community College 2. Do nothing – current problem continues 3. No other feasible options were identified
Action/Project Intended for Implementation	
Description of Selected Action/Project	Retrofit two buildings with impact resistant windows and shutters at the Sussex County Community College
Mitigation Action/Project Type	SIP
Goals Met	1, 2, 6
Applies to existing structures/infrastructure, future, or not applicable	Existing
Benefits (losses avoided)	Medium
Estimated Cost	Medium to High
Priority*	Medium
Plan for Implementation	
Responsible Organization	Town DPW and Engineer
Local Planning Mechanism	Capital Improvements
Potential Funding Sources	School Budget
Timeline for Completion	Short Term / DOF
Reporting on Progress	
Date of Status Report/ Report of Progress	Date: Progress on Action/Project:

* Refer to results of Prioritization (see next page)



Action Number: Newton-12
Action Name: Retrofit two buildings with impact resistant windows and shutters at the Sussex County Community College

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	
Property Protection	1	Reduce impacts to the college from high winds
Cost-Effectiveness	1	
Technical	0	
Political	0	
Legal	-1	
Fiscal	0	
Environmental	0	
Social	1	
Administrative	0	
Multi-Hazard	1	Hurricanes / Tropical Storms, Severe Weather, Severe Winter Weather
Timeline	0	
Agency Champion	0	
Other Community Objectives	0	
Total	4	
Priority (High/Med/Low)	Medium	



Action Number: Newton-13
Action Name: Retrofit two buildings to meet current snow load standards at the Sussex County Community College

Assessing the Risk	
Hazard(s) addressed:	Severe Winter Weather
Specific problem being mitigated:	Buildings may or may not meet current snow load standards and pose a risk of being damaged during periods of heavy snow
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	<ol style="list-style-type: none"> 1. Retrofit two buildings to meet current snow load standards at the Sussex County Community College 2. Do nothing – current problem continues 3. No other feasible options were identified
Action/Project Intended for Implementation	
Description of Selected Action/Project	Retrofit two buildings to meet current snow load standards at the Sussex County Community College
Mitigation Action/Project Type	SIP
Goals Met	1, 2, 6
Applies to existing structures/infrastructure, future, or not applicable	Existing
Benefits (losses avoided)	Medium
Estimated Cost	Medium to High
Priority*	Medium
Plan for Implementation	
Responsible Organization	Engineering and School Administration
Local Planning Mechanism	Capital Improvements
Potential Funding Sources	School Budget
Timeline for Completion	Short Term / DOF
Reporting on Progress	
Date of Status Report/ Report of Progress	Date: Progress on Action/Project:

* Refer to results of Prioritization (see next page)



Action Number: Newton-13
Action Name: Retrofit two buildings to meet current snow load standards at the Sussex County Community College

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	
Property Protection	1	Reduce impacts to the college building roofs from heavy snow
Cost-Effectiveness	1	
Technical	0	
Political	0	
Legal	-1	
Fiscal	0	
Environmental	0	
Social	1	
Administrative	0	
Multi-Hazard	1	Severe Winter Weather
Timeline	0	
Agency Champion	0	
Other Community Objectives	0	
Total	4	
Priority (High/Med/Low)	Medium	