



9.7 BOROUGH OF FRANKLIN

This section presents the jurisdictional annex for the Borough of Franklin.

9.7.1 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
Jim Williams, OEM Coordinator 46 Main Street, Franklin, NJ 07416 Phone: (973) 600-9081 Email: lauranjenna@gmail.com	Brian VanDenBroek, DPW Supervisor 46 Main Street, Franklin, NJ 07416 Phone: (862) 268-7788 Email: bvandenbroek@franklinborough.org

9.7.2 MUNICIPAL PROFILE

Franklin Borough was incorporated in 1913 and is known as the "Fluorescent Mineral Capital of the World." The Borough has a rich mining history and was widely recognized for its rich ore body containing more than 150 minerals. The Borough is located in eastern Sussex County and bordered to the north by the Borough of Hamburg, to the west by Hardyston Township, to the south by the Borough of Ogdensburg, and to the west by the Township of Hardyston. The Borough is also located within the New Jersey Highlands Region. According to the U.S. Census, the 2010 population for the Borough of Franklin was 5,045. The Walkkill River, Franklin Pond Creek and Wildcat Branch flow through the Borough.

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 9.7-1. 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					
Auto-Zone	Comm.	1	RT. 23	Carbonate Hazard	Completed
Walgreens	Comm.	1	Rt. 23	Carbonate Hazard	Completed
S.T.S. Tire store	Comm	1	Rt. 23	Carbonate Hazard	Completed
Taco Bell	Comm	1	RT. 23	Carbonate Hazard	95 % complete
Known or Anticipated Development in the Next Five (5) Years					
None identified					

* Only location-specific hazard zones or vulnerabilities identified.

9.7.3 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 9.7-2. 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	Downed trees, debris, shoring up the banks at the Franklin Pond to prevent a break in the beach area and to protect County Route 631 from flooding. The Borough had costs in overtime, protective measures (fire department pumped out basements to approximately 40 homes).
September 28 – October 6, 2011	Remnants of Tropical Storm Lee	DR-4039	Yes	Downed trees and debris on roadways. Overtime for DPW, Road Department, etc.
October 29, 2011	Severe Storm	DR-4048	Yes	Downed trees and debris on roadways. Overtime for DPW, Road Department, etc.
October 26 – November 8, 2012	Hurricane Sandy	DR-4086	Yes	Power outages Borough-wide; fire department had to assist approximately 40 to 50 people to pump out their basements. There were downed trees, wires and debris as well. The Borough had costs related to equipment use, overtime and cleanup.

9.7.4 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 Borough of Franklin. 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 Borough of Franklin.

Table 9.7-1. 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	Medium
Drought	Damage estimate not available	Frequent	30	Medium
Earthquake	100-Year GBS: \$0 500-Year GBS: \$453,402	Occasional	28	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
	2,500-Year GBS: \$7,110,614			
Flood	1% Annual Chance: \$10,492,325	Frequent	18	High*
Geologic	GBS Exposed to Carbonate Rock Areas: \$710,251,061	Occasional	36	Medium*
Hurricane	100-year MRP: \$215,622 500-year MRP: \$1,109,779 Annualized: \$10,253	Frequent	48	High
Nor'Easter	Damage estimate not available	Frequent	48	High
Severe Weather	100-Year MRP: \$215,622 500-year MRP: \$1,109,779 Annualized: \$10,253	Frequent	48	High
Severe Winter Weather	1% GBS: \$5,550,836 5% GBS: \$27,754,179	Frequent	51	High
Wildfire	Estimated Value in the Extreme, Very High, and High Hazard Areas: \$19,252,499	Frequent	24	Medium
Hazardous Materials	Damage estimate not available	Frequent	36	High

Notes:

* 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 Borough of Franklin.

Table 9.7-4. 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)
Borough of Franklin	14	8	\$67,237	1	0	2

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.





Critical Facilities

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

Other Vulnerabilities Identified by Municipality

The Borough identified the following vulnerable areas within the municipality:

- During periods of heavy rain, State Route 23 tends to flood near the Franklin Shopping Center.
- Approximately one-quarter mile north of the Franklin Pond Dam on County Route 631, this area tends to flood during periods of heavy rain and homes experience flooding in their basements.
- The homes on Newton Street experience frequent flooding from the Wallkill River. These homes were constructed prior to the establishment of land use and zoning boards.

9.7.5 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 Borough of Franklin.

Table 9.7-5. 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 Bd.	2003 Master Plan with reexamination in 2009
Capital Improvements Plan	Yes	Local	Boro Council	
Floodplain Management/Basin Plan	No			
Stormwater Management Plan	No			
Open Space Plan	No			
Stream Corridor Management Plan	No			
Watershed Management or Protection Plan	No			
Economic Development Plan	Yes	Local	In-House Comm.	
Comprehensive Emergency Management Plan	Yes	Local	O.E.M.	





Table 9.7-5. 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.)
Emergency Response Plan	Yes	Local	O.E.M.	
Post-Disaster Recovery Plan	No			
Transportation Plan	No			
Strategic Recovery Planning Report	No			
Other Plans:	No			
Regulatory Capability				
Building Code	Yes	State & Local		State Uniform Construction Code Act (N.J.S. 52:27D-119 et seq.)
Zoning Ordinance	Yes	Local	Zoning Officer	Chapter 161, Article 5 – Land Development – Zoning
Subdivision Ordinance	Yes	Local	Zoning Officer	Chapter 161 – Land Development
NFIP Flood Damage Prevention Ordinance	Yes	Federal, State, Local	Construction Official	Chapter 128 – Flood Damage Prevention Hardyston Township NFIP FPA is the FPA for the Borough
NFIP: Cumulative Substantial Damages	No			
NFIP: Freeboard	Yes	State, Local		
Growth Management Ordinances	No			
Site Plan Review Requirements	Yes	Local	Engineer	
Stormwater Management Ordinance	Yes	Local	Town Engineer	Chapter 161, Article 9 – Land Development, Stormwater and Flooding Controls
Municipal Separate Storm Sewer System (MS4)	No			
Natural Hazard Ordinance	No			
Post-Disaster Recovery Ordinance	No			
Real Estate Disclosure Requirement	No	State	Division Of Consumer Affairs	N.J.A.C. 13:45A-29.1
Other [Special Purpose Ordinances (i.e., sensitive areas, steep slope)]	No			

Administrative and Technical Capability

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





Table 9.7-6. Administrative and Technical Capabilities

Resources	Is this in place? (Yes or No)	Department/Agency/Position
Administrative Capability		
Planning Board	Yes	
Mitigation Planning Committee	No	
Environmental Board/Commission	No	
Open Space Board/Committee	Yes	Part of the Planning Board
Economic Development Commission/Committee	Yes	
Maintenance Programs to Reduce Risk	Yes	Franklin Borough Board of Public Works
Mutual Aid Agreements	Yes	Surrounding communities with written and verbal
Technical/Staffing Capability		
Planner(s) or Engineer(s) with knowledge of land development and land management practices	Yes	Contractors (annually)
Engineer(s) or Professional(s) trained in construction practices related to buildings and/or infrastructure	Yes	Contractors (annually)
Planners or engineers with an understanding of natural hazards	Yes	Contractors (annually)
NFIP Floodplain Administrator	Yes	Construction Official as per Chapter 128 of Borough Code Hardyston Township NFIP FPA is the FPA for the Borough
Surveyor(s)	Yes	Contractors (annually)
Personnel skilled or trained in GIS and/or Hazus-MH applications	Yes	Contractors (annually)
Scientist familiar with natural hazards	No	
Emergency Manager	Yes	
Grant Writer(s)	Yes	Borough Staff
Staff with expertise or training in benefit/cost analysis	No	
Professionals trained in conducting damage assessments	No	

Fiscal Capability

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

Table 9.7-7. Fiscal Capabilities

Financial Resources	Accessible or Eligible to Use (Yes/No/Don't Know)
Community development Block Grants (CDBG, CDBG-DR)	Yes
Capital Improvements Project Funding	Yes
Authority to Levy Taxes for specific purposes	Yes
User fees for water, sewer, gas or electric service	Yes
Impact Fees for homebuyers or developers of new development/homes	No
Stormwater Utility Fee	No
Incur debt through general obligation bonds	Yes
Incur debt through special tax bonds	Yes
Incur debt through private activity bonds	No





Table 9.7-7. Fiscal Capabilities

Financial Resources	Accessible or Eligible to Use (Yes/No/Don't Know)
Withhold public expenditures in hazard-prone areas	No
Other Federal or State Funding Programs	Yes
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 Borough of Franklin.

Table 9.7-8. 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		
Building Code Effectiveness Grading Schedule (BCEGS)	No		
Public Protection (ISO Fire Protection Classes 1 to 10)	No		
Storm Ready	No		
Firewise	No		
Disaster/Safety Programs in/for Schools	Yes		
Organizations with Mitigation Focus (advocacy group, non-government)	No		
Public Education Program/Outreach (through website, social media)	Yes		
Public-Private Partnerships	No		

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 Borough of Franklin’s capability to work in a hazard-mitigation capacity and/or effectively implement hazard mitigation strategies to reduce hazard vulnerabilities.

Table 9.7-9. Self-Assessment of Capability

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

National Flood Insurance Program

NFIP Floodplain Administrator (FPA)

Joseph Butto, Construction Official – Hardyston Township

Flood Vulnerability Summary

The Borough does not maintain lists or inventories of properties that have been damaged by flooding. During Irene/Lee and Sandy, there were no structures damaged within the Borough. The FPA does not make substantial damage estimates and none were declared during Irene/Lee or Sandy. There is currently no interested in mitigation within the community.

Resources

The FPA is the sole person assuming the responsibilities of floodplain administration in the Borough. However, the FPA does not provide any NFIP administration services or education/outreach to the community. The FPA indicated that lack of training, staff and funding are barriers to running an effective floodplain management program in the Borough. The FPA also indicated that he does not feel adequately supported or trained to fulfill his role as the FPA and would consider attending continuing education and/or certification training on floodplain management if it were offered.

Compliance History

The FPA did not indicate if the community was in good standing with the NFIP.

Regulatory

It is unknown if the floodplain ordinance in the Borough exceeds the FEMA and State minimum requirements and there are no other ordinances or programs that support floodplain management.





Community Rating System

The Borough of Franklin 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.

Planning

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

The current Franklin Borough Master Plan consists of a series of documents dating from 2003. The Planning Board adopted an all new Franklin Borough Master Plan on March 17th, 2003. This Plan was subsequently amended with the adoption of the Housing Element and Fair Share Plan (August 15, 2005); the Munsonhurst District Amendment (August 20, 2007) and the Quarry Zone Amendment (May 19, 2008).

The 2005 Housing Element and Fair Share Plan have not yet been adopted by COAH for substantive certification as there were objections filed by developers in connection with their properties. These objections have since been withdrawn and an Amended Housing Plan and Fair Share Plan were subsequently adopted in 2010.

The Munsonhurst District Amendment recommended two new zoning districts: The Mixed Active Adult Housing (MAAH) zone and the Neighborhood Commercial (NC) zone. The MAAH zone has been implemented by ordinance: the NC zone has not yet been created by ordinance.

The Quarry (Q) Zone Amendment is an extension of the old quarry zone which permits quarrying activities. The new (Q) zone is over 100 acres in the southern end of the Borough.

2009 Master Plan Reexamination:

Every ten years municipalities are required to review their Master Plans. Commencing in 2009, the Planning Board undertook this review which is reflected in the 2009 Master Plan Reexamination Report and Master Plan Amendments, adopted October 21, 2009. The Reexamination Report includes a review and recommendation for changes to the 2003 Master Plan. The Report Identified a continued objective from that 2003 Master plan that is applicable to hazard mitigation:

1. The protection on environmentally sensitive lands in the Borough using a variety of tools is a continue priority.
2. The protection of the environmentally sensitivity of the well head in the southern part of the Borough should continue to be examined.

Highlands

Franklin Borough is located in the New Jersey Highlands Region and is part of the Highlands Area. As such, the Borough is one of 88 municipalities protected by and subject to the provisions of the Highlands Water Protection and Planning Act that protects, enhances and restores Highland's natural resources. The Highlands Act requires that future land use in the Highlands Region be guided by the Regional Master Plan's Land Use



Capability Map (LUCM) Series which includes tools to identify and protect the natural, scenic and other resources of the region. In supporting and complying with the Highlands Act, the Borough enacted amendments and updates to local zoning and development ordinances that ensure the protection of important resources and areas. The Highland Act creates three primary zones: a Protection Zone, a Conservation Zone and an Existing community Zone. Protection Zones are areas with the highest quality resources with extreme limitations on allowable development while Conservation Zones have significant agricultural lands and associated woodlands and environmental features with allowable development consisting primarily of agricultural uses. Existing Community Zones consist of areas of concentrated development with limited environmental constraints. These zones are overlaid with existing local zoning maps to identify and address issues of public interest including watershed management, open space preservation, historic preservation, flood protection among others.

Regulatory and Enforcement (Ordinances)

The Borough 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 and an Environmentally Sensitive Areas section included in the Land Use Chapter. The Borough also has a chapter specific to the hazards associated with environmentally sensitive areas.

Chapter 128: Flood Damage Prevention <http://www.ecode360.com/9094695>

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 161 Article IX: Stormwater Control <http://www.ecode360.com/9096593>

The purpose of the Stormwater Control chapter is to implement best management practices for stormwater management designed to promote the public health, safety and general welfare the citizens.

Chapter 161-12: Environmental Impact Statement <http://www.ecode360.com/9095494>

The purpose of this section of the Chapter is to allow the Borough to assess the impact of a proposed development upon the natural environment, particularly with respect to potable water, pollution of all kinds, flooding and waste disposal.

Chapter 161-12: Environmental Sensitive Areas <http://www.ecode360.com/9095982#9095982>

The purpose of this section of the Chapter has specific standards and buffer requirements for wetlands, steep slopes, shallow bedrock areas, carbonate areas.

Highlands:





In addition, the Highlands Water Protection and Planning Act provides additional regulatory control over development within the Borough. While Major Highlands Development projects, as defined by the Highlands Act, still require local approvals, they must first receive a Highlands Resource Applicability Determination and be evaluated for consistency with the provisions of the Highlands Act. Major Highlands Development projects include a variety of projects such as any non-residential development, any residential development that disturbs one or more acres of land, any development that disturbs ¼ acres of more of forest among others. This process identifies any potential Highlands Resources on the site and if found requires adherence to relevant development standards and restrictions.

Operational and Administration

The Borough has established a Planning board and Zoning Board of Adjustments that are responsible for the review of development applications. The Borough has a Zoning officer as well as a planning and zoning board secretary.

Funding

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

Grants: The Borough has received funding from the NJDOT, Sustainable Jersey, The Garden State Preservation Trust Fund, and Clean Communities grant programs for the completion of mitigation and emergency response related projects including roadway and drainage improvements.

Education and Outreach

The Borough’s website’s home page posts information regarding upcoming community events and important municipal decisions. The OEM Coordinator uses the website to provide information regarding hazard preparedness for weather events. The Borough has identified a new mitigation initiative to enhance their public outreach and education program. Refer to Table 9.7-11 for further information.

9.7.6 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 9.7-10. Past Mitigation Initiative Status

<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.
Franklin Borough 1	Retrofit roof to meet current snow load standards on Franklin Fire Department building located on Buckwheat Road.	Station Commander	No Progress	Budget constraints have restricted this from moving forward	Discontinue	This has been discussed within the Borough and they wish to remove from the mitigation initiatives.
Franklin Borough 2	Backup generator for the municipal building located on Main Street	OEM Coordinator	No Progress	No funding secured	Include in 2016 HMP	Purchase and install a generator for the Borough municipal building.
Franklin Borough 3	Construction of retention pond and culverts to eliminate stormwater runoff flooding on Route 23 between Franklin Avenue and Rutherford Avenue.	Borough Engineer	No Progress	State owned road, no funding available	Discontinue	The Borough does not have jurisdiction over the property and wishes to remove this from the mitigation initiatives.
Franklin Borough 4	Stormwater management system upgrade and improvement along Newton Street off County Route 631. – Walkill River	Borough Engineer	No Progress	The area near Newton Street is governed by NJDEP and Fish and Wildlife. The Borough has no jurisdiction over the River.	Discontinue	The Borough does not have jurisdiction over this area of land.
Franklin Borough 5	Flood proofing of the Immaculate Conception Regional School.	Facility Administrator	No Progress	School is owned by Catholic Church, no funding available	Discontinue	School is not owned and operated by the Borough; therefore, this action will not be included in the 2016 HMP Update.
Franklin Borough 6	Provide an all-hazards public education outreach program on mitigation related issues	OEM Coordinator	In Progress	appeared before the public and the Borough Council	Include in 2016 HMP	Borough is currently doing this and will continue to do so.



Completed Mitigation Initiatives not Identified in the Previous Mitigation Strategy

The Borough 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:

- Completed the Viaduct bridge over the Railroad and the Walkill River - Sussex County Engineering Dept. was the lead agency and grants were obtained to fund this project
- Completed the dredging of the small streams along Rt. 23 to allow for less ponding of stormwater - Franklin Borough Road dept. was the lead agency and was funded by the Borough.

Proposed Hazard Mitigation Initiatives for the Plan Update

In April 2015, a mitigation action workshop was held for participating municipalities where each 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, FEMA Region 2 and NJOEM led a second workshop and provided the results to the risk assessment to further assist with the identification of mitigation actions. In September 2015 and October 2015, the Borough attended annex support meetings where they identified and finalized mitigation actions for their community.

Table 9.7-11 summarizes the comprehensive-range of specific mitigation initiatives the Borough 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 9.7-12 provides a summary of the prioritization of all proposed mitigation initiatives for the HMP update.



Table 9.7-11. 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
Franklin Boro-1 (revised old #3)	Conduct a study on the redevelopment of Rutherford Avenue. This would allow traffic heading north and south when Route 23 is closed due to an emergency. Once study is complete, identify mitigation actions to complete this project.	Existing	All	All	Borough Engineer with support from NJDOT	High	Low to Medium	Municipal Budget; Grants where available	Short Term / DOF	High	LPR	PR
Franklin Boro-2 (revised old #2)	Ensure continuity of operations at critical facilities. Purchase and install a generators for critical facilities in Borough: <ul style="list-style-type: none"> • First Aid Squad • Franklin Elementary School • Borough Hall • Borough's Board of Public Works Water Division facility • Borough's Board of Public Works Road Division facility 	Existing	All	1, 2, 6	Borough OEM	Medium to High	High	HMGP with local budget for cost share	Short Term / DOF	High	SIP	PP
Franklin Boro-3 (old #6)	Provide an all-hazards public education outreach program on mitigation related issues through social media and the Borough website.	N/A	All	All	Borough OEM	High	Low	HMGP with local budget for cost share	Ongoing	High	EAP	PI
Franklin Boro-4 (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)	Ongoing (outreach and specific project identification); Long term DOF (specific project application and implementation)	High	SIP	PP





Table 9.7-11. 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
								for cost share				
Franklin Boro-5 (new)	Identify and establish a reverse 911 system for the Borough to use to alert residents during emergencies. Once set up, create an outreach program to all the residents of the Borough on how to sign up and use the system.	N/A	All	All	Borough OEM	High	Low to Medium	Municipal Budget	Short Term / DOF	High	LPR, EAP	PR, PI
Franklin-6 (new)	Conduct a study on the flooding of the Walkill River and its impacts on the homes along Newton Avenue.	Existing	Flood, Severe Weather	1, 2	Engineering with support from NJDEP and Fish and Wildlife	Medium to High	Low to Medium	Municipal Budget; grants where available	Short Term / DOF	Medium	SIP	PP
Franklin-7 (new)	Purchase and install a 3,000 gallon bi-fuel tank at the DPW facility on Corkhill Road. The tank would hold 2,000 gallons of gasoline and 1,000 gallons of diesel fuel. The fuel will be used for municipal vehicles.	New	All	All	Borough OEM and DPW	High	Medium to High	Grant Funding with local cost share	Short Term / DOF	High	SIP	PP

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
 HMA Hazard Mitigation Assistance Program

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

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:





Costs:

Medium \$10,000 to \$100,000
High > \$100,000

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

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

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

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 9.7-12. 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
Franklin Boro-1 (revised old #3)	Conduct a study on the redevelopment of Rutherford Avenue. This would allow traffic heading north and south when Route 23 is closed due to an emergency. Once study is complete, identify mitigation actions to complete this project.	1	1	1	0	0	0	0	0	1	0	1	1	1	0	6	High
Franklin Boro-2 (revised old #2)	Purchase and install a generators for critical facilities in Borough: <ul style="list-style-type: none"> • First Aid Squad • Franklin Elementary School • Borough Hall • Borough's Board of Public Works Water Division facility • Borough's Board of Public Works Road Division facility 	1	1	1	1	1	0	0	0	0	1	1	1	1	0	8	High
Franklin Boro-3 (old #6)	Provide an all-hazards public education outreach program on mitigation related issues through social media and the Borough website.	1	1	1	1	1	1	1	0	1	1	1	1	0	0	11	High
Franklin Boro-4 (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	0	0	0	0	1	1	1	1	0	8	High
Franklin Boro-5	Identify and establish a reverse 911 system for the Borough to use to alert residents during emergencies. Once set up, create an outreach program to all the residents of the Borough on how to sign up and use the system.	1	1	1	1	1	1	1	0	1	1	1	1	0	0	11	High
Franklin Boro-5 (new)	Conduct a study on the flooding of the Walkkill River and its impacts on the homes along Newton Avenue.	1	1	1	1	0	0	1	1	0	1	1	1	0	0	9	Medium
Franklin-6 (new)	Purchase and install a 3,000 gallon bi-fuel tank at the DPW facility on Corkhill Road. The tank would hold 2,000 gallons of gasoline and 1,000 gallons of diesel fuel. The fuel will be used for municipal vehicles.	1	1	1	1	1	1	0	0	1	1	1	1	1	0	11	High

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



9.7.7 FUTURE NEEDS TO BETTER UNDERSTAND RISK/VULNERABILITY

None at this time.

9.7.8 HAZARD AREA EXTENT AND LOCATION

Hazard area extent and location maps have been generated for the Borough of Franklin 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 Borough of Franklin has significant exposure. These maps are illustrated in the hazard profiles within Section 5.4, Volume I of this Plan.

9.7.9 ADDITIONAL COMMENTS

None at this time.



Figure 9.7-1. Borough of Franklin Hazard Area Extent and Location Map 1

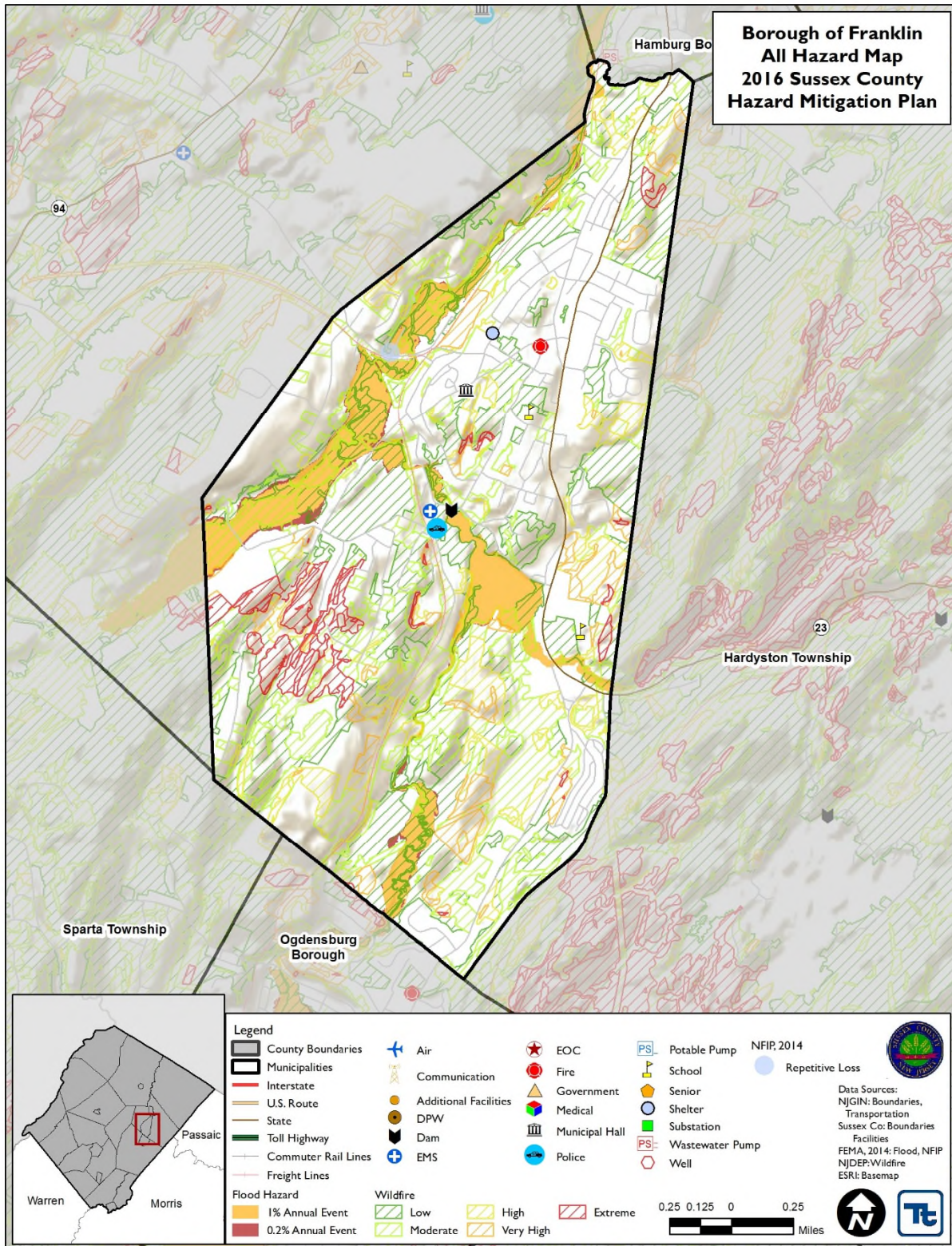
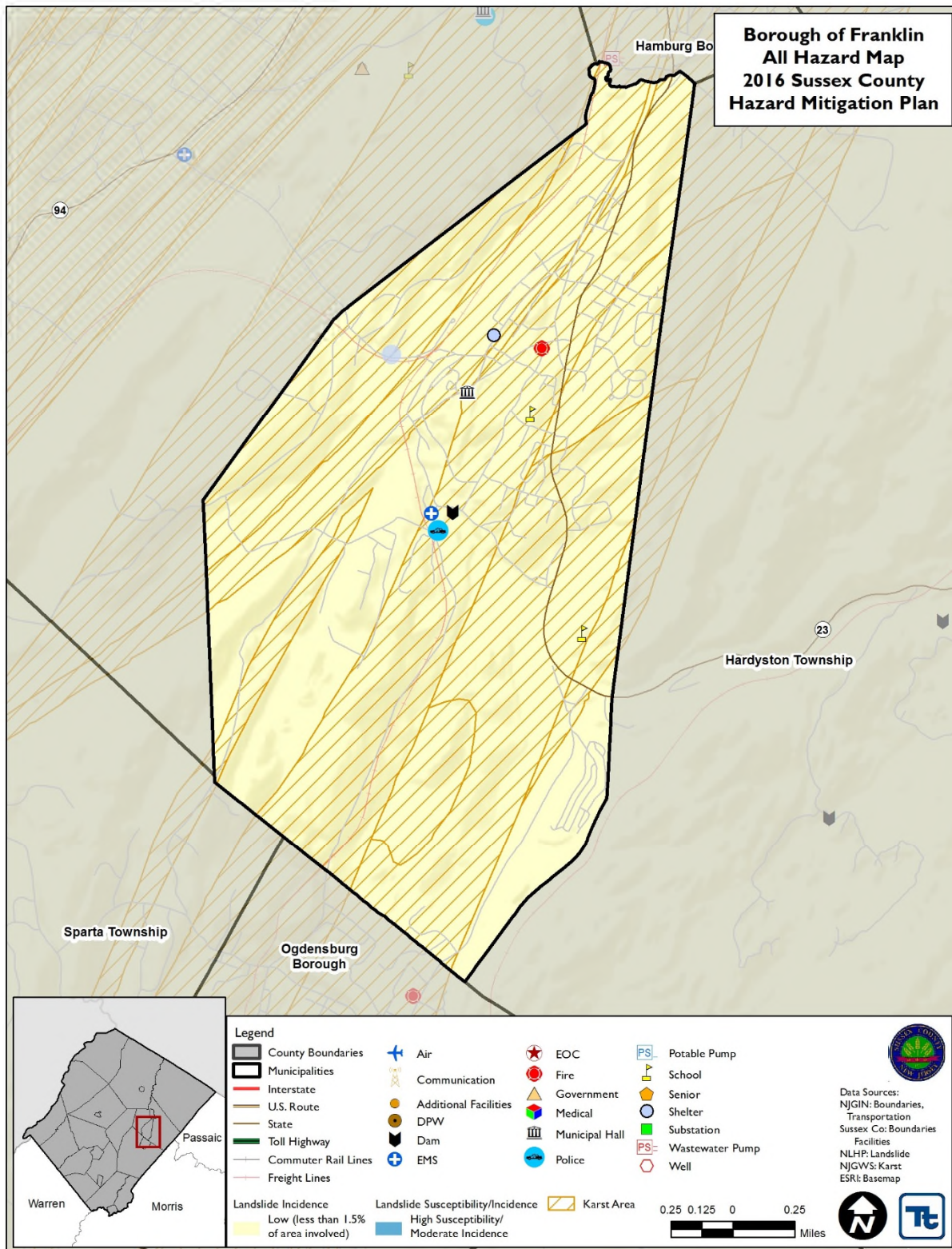




Figure 9.7-2. Borough of Franklin Hazard Area Extent and Location Map 2





Action Number: Franklin Boro-2

Mitigation Action/Initiative: Purchase and install a generators for critical facilities in Borough

Assessing the Risk	
Hazard(s) addressed:	All
Specific problem being mitigated:	Loss of power within the Borough disrupts the continuity of operations
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	1. Purchase and install a generators for critical facilities in Borough
	2. Purchase portable generators – not feasible if longer power outages
	3. Do nothing – current problem continues
Action/Project Intended for Implementation	
Description of Selected Action/Project	Purchase and install a generators for critical facilities in Borough: <ul style="list-style-type: none"> First Aid Squad Franklin Elementary School Borough Hall Borough's Board of Public Works Water Division facility Borough's Board of Public Works Road Division facility
Action/Project Category	SIP
Goals/Objectives Met	1, 2, 6
Applies to existing and/or new development; or not applicable	Existing
Benefits (losses avoided)	Medium to High
Estimated Cost	High
Priority	High
Plan for Implementation	
Responsible/Lead Agency/Department	Borough OEM
Local Planning Mechanism	Emergency Management, Capital Improvement
Potential Funding Sources	HMGP with local budget for cost share
Timeline for Completion	Short Term / DOF
Reporting on Progress	
Date of Status Report/ Report of Progress	Date: Progress on Action/Project:



Action Number: Franklin Boro-2

Mitigation Action/Initiative: Purchase and install a generators for critical facilities in Borough

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	Allow continuity of operations during periods of power outages; provide shelter facilities for residents impacted
Property Protection	1	Allow continuity of operations during periods of power outages
Cost-Effectiveness	1	
Technical	1	
Political	1	
Legal	0	
Fiscal	0	
Environmental	0	
Social	0	
Administrative	1	
Multi-Hazard	1	All hazards
Timeline	1	Project will be completed within five years once funding is received
Local Champion	1	
Other Community Objectives	0	
Total	8	
Priority (High/Med/Low)	High	



Action Number: Franklin Boro-7

Mitigation Action/Initiative: Purchase and install a 3,000 gallon bi-fuel tank at the DPW facility

Assessing the Risk	
Hazard(s) addressed:	All
Specific problem being mitigated:	The Borough currently has an inter-local agreement with Hardyston Township for fuel for municipal vehicles.
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	1. Purchase and install a 3,000 gallon bi-fuel tank at the DPW facility
	2. Do nothing – current problem continues
	3. No other feasible options were identified
Action/Project Intended for Implementation	
Description of Selected Action/Project	Purchase and install a 3,000 gallon bi-fuel tank at the DPW facility on Corkhill Road. The tank would hold 2,000 gallons of gasoline and 1,000 gallons of diesel fuel. The fuel will be used for municipal vehicles.
Action/Project Category	SIP
Goals/Objectives Met	All
Applies to existing and/or new development; or not applicable	New
Benefits (losses avoided)	High
Estimated Cost	Medium to High
Priority	High
Plan for Implementation	
Responsible/Lead Agency/Department	Borough OEM
Local Planning Mechanism	Emergency Management, Capital Improvement
Potential Funding Sources	Grant funding with local budget for cost share
Timeline for Completion	Short Term / DOF
Reporting on Progress	
Date of Status Report/ Report of Progress	Date: Progress on Action/Project:



Action Number: Franklin Boro-7

Mitigation Action/Initiative: Purchase and install a 3,000 gallon bi-fuel tank at the DPW facility

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	0	
Environmental	0	
Social	1	
Administrative	1	
Multi-Hazard	1	All Hazards
Timeline	1	
Local Champion	1	Need for a local fueling station for the Borough
Other Community Objectives	0	
Total	11	
Priority (High/Med/Low)	High	