



SOMERSET COUNTY

HAZARD MITIGATION PLAN

SOMERSET COUNTY MULTI-JURISDICTIONAL HAZARD MITIGATION PLAN

FINAL PLAN UPDATE
JULY 2019

www.co.somerset.nj.us/hmp

Section 9.2: Township of Bedminster Annex

*Prepared by the Somerset County
Mitigation Planning Committee*



9.2 Township of Bedminster

This section presents the jurisdictional annex for the Township of Bedminster.

9.2.1 HAZARD MITIGATION PLAN POINTS OF CONTACT

Hazard Mitigation Plan Points of Contact					
Primary Point of Contact			Alternate Point of Contact		
Name: David Groendyk, MHMO Address: 1 Miller Lane Bedminster, New Jersey, 07921 Phone Number: 908-672-3009 Fax Number: E-mail Address: OEM@bedminster.us			Name: Carson Brienza, Deputy MHMO Address: 1 Miller Lane Bedminster, New Jersey, 07921 Phone Number: 908-212-7000 Fax Number: E-mail Address:		
Municipal HMP Committee Members					
Local Jurisdiction Role/Position	Name	Email	Phone	Date Notified About Mitigation Plan Development	Agreed to participate? (Yes/No)
Land Use/ Community Planner	Frank Banisch	Frankbanisch@banisch.com	908-782-0835	11/8/2017	Yes
Emergency Manager	David Groendyk	OEM@bedminster.us	908-672-3009	11/8/2017	Yes
Floodplain Manager/ Floodplain Administrator	Dan Flynn	Daniel.Flynn@ferrieroengineering.com	908-879-6209	11/8/2017	Yes
Public Works Director / City Engineer	John Mantz	jmantz@bedminster.us	908-212-7015	11/8/2017	Yes
Building Code Official	Ken Rogers	Kor@bedminster.us	908-212-7012	11/8/2017	Yes
Fiscal/Budget Officer	Debra Stern	Dstern@bedminster.us	908-212-7000 x413	11/8/2017	Yes
Manager/Administrator	Judith Sullivan	jsullivan@bedminster.us	908-212-7000 x403	11/8/2017	Yes
Elected Officials	Steven Parker	mayor@bedminster.us	908-212-7000 x401	11/8/2017	Yes

9.2.2 PROFILE

9.2.2.1 Population

The population of the Township of Bedminster is estimated to be 8,165, based on information gathered during the 2010 U.S. Census. Census population estimates of July 2017 indicated a total population of 8,210.

9.2.2.2 LOCATION

Located in Northwestern Somerset County, the Township of Bedminster shares borders with Hunterdon County to the west; Morris County to the north; Peapack Gladstone, Far Hills, and Bernards to the east; and Branchburg to the south.

9.2.2.3 Brief History

The Township was incorporated in 1749 and played a part in the American Revolution. By the end of 19th century, wealthy families from the city, attracted by the beauty of the area, built expansive estates for enjoyment of the country life. Bedminster remained a low-key place for the next century. After World War II, AT & T built the first of many other corporate offices in the Township, and in the late 1960's, I-78 opened along its southern edge, and I-287 was soon constructed along its eastern border.

Beginning in the mid 1980's, *The Hills* was developed on Schley Mountain, east of I-287, tripling the population to the 2000 Census number of 8,302. Sixty-five percent of Township residents live in one-square mile of The Hills.

9.2.2.4 Governing Body Format

Bedminster Township is governed by a Township Committee composed of five members elected for overlapping three-year terms. The Mayor is selected annually from among the five members by a majority vote of the Committee Members at the annual organization meeting held within the first seven days of the New Year.

9.2.2.5 Growth/Development Trends

The Township of Bedminster did not note any major residential or commercial development since the 2014 HMP, or any major infrastructure development planned for the next 5 years in the municipality.

New Development/Potential Development in Municipality						
Property Name	Type (Residential or Commercial)	No. of Structures	Address	Block and Lot	Known Hazard Zone	Description /Status
N/A	N/A	N/A	N/A	N/A	N/A	N/A

The Township will enforce its flood plain management ordinance to protect new development and substantial improvements in the floodplain. The Township Planning Board will review any problems as they come forward.

9.2.3 NATURAL HAZARD EVENT HISTORY SINCE 2014

Somerset County has a history of natural hazard events as detailed in 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. The table below presents a summary of events that have occurred since the 2014 HMP to indicate the range and impact of natural hazard events in the community. Information regarding specific damages is included if available based on reference material or local sources. For details of events prior to 2014, refer to Section 5.0 of this plan.

Natural Hazard Event History (2014 to present)				
Type of Event	FEMA Disaster # (if applicable)	County Designated?	Date	Approximate Damage Assessment
Cold/Wind Chill	N/A	N/A	January 4, 2014	No local damage reported
Strong Wind	N/A	N/A	January 6, 2014	No local damage reported
Flood	N/A	N/A	January 6, 2014	No local damage reported
Cold/Wind Chill	N/A	N/A	January 7, 2014	No local damage reported
Cold/Wind Chill	N/A	N/A	January 22, 2014	No local damage reported
Winter Storm	N/A	N/A	February 12, 2014	No local damage reported
Flood	N/A	N/A	February 22, 2014	No local damage reported
Strong Wind	N/A	N/A	March 12, 2014	No local damage reported
Flood	N/A	N/A	March 30, 2014	No local damage reported
Flood	N/A	N/A	April 1, 2014	No local damage reported
Thunderstorm Wind	N/A	N/A	April 15, 2014	No local damage reported
Flood	N/A	N/A	April 15, 2014	Isolated river flooding due to 1-2 inches of rain. Event precipitation totals included 1.25 inches in Bedminster.
Flood	N/A	N/A	April 30, 2014 to May 1, 2014	No local damage reported
Thunderstorm Wind	N/A	N/A	May 10, 2014	No local damage reported
Earthquake, Magnitude 1.9, 6 km N of Boonton (Montville Twp.)	N/A	N/A	May 31, 2014	No local damage reported
Earthquake, Magnitude 1.0, 13 km SW of Ramblewood, NJ (Laurel Springs Boro.)	N/A	N/A	June 19, 2014	No local damage reported
Thunderstorm Wind	N/A	N/A	July 2, 2014	No local damage reported
Heat	N/A	N/A	July 2, 2014	No local damage reported
Thunderstorm Wind	N/A	N/A	July 3, 2014	No local damage reported
Flash Flood	N/A	N/A	July 3, 2014	No local damage reported
Thunderstorm Wind	N/A	N/A	July 8, 2014	No local damage reported
Earthquake, Magnitude 1.6, 3 km W of Jersey City, NJ (Kearny Town)	N/A	N/A	July 8, 2014	No local damage reported
Flood	N/A	N/A	July 16, 2014	No local damage reported
Earthquake, Magnitude 1.2, 4 km SW of Ringwood, NJ (Ringwood Boro.)	N/A	N/A	July 28, 2014	No local damage reported

Natural Hazard Event History (2014 to present)				
Type of Event	FEMA Disaster # (if applicable)	County Designated?	Date	Approximate Damage Assessment
Flash Flood	N/A	N/A	August 21, 2014	Thunderstorms with very heavy rain caused small stream and poor drainage flash flooding in northern Somerset County. Event precipitation totals included 2.30 inches in Bedminster Township.
Earthquake, Magnitude 1.3, 2 km S of Park Ridge, NJ (Woodcliff Lake Boro.)	N/A	N/A	September 3, 2014	No local damage reported
Flood	N/A	N/A	December 9, 2014	No local damage reported
Earthquake, Magnitude 1.9, 13 km SE of Twin Rivers, NJ (Millstone Twp.)	N/A	N/A	December 13, 2014	No local damage reported
Earthquake, Magnitude 1.5, 2 km SW of Clifton, NJ (Bloomfield Twp.)	N/A	N/A	December 28, 2014	No local damage reported
Cold/Wind Chill	N/A	N/A	January 7, 2015	No local damage reported
Flood	N/A	N/A	January 18, 2015	No local damage reported
Strong Wind	N/A	N/A	February 2, 2015	No local damage reported
Cold/Wind Chill	N/A	N/A	February 13, 2015	No local damage reported
Strong Wind	N/A	N/A	February 15, 2015	No local damage reported
Cold/Wind Chill	N/A	N/A	February 15, 2015	No local damage reported
Cold/Wind Chill	N/A	N/A	February 16, 2015	No local damage reported
Cold/Wind Chill	N/A	N/A	February 20, 2015	No local damage reported
Cold/Wind Chill	N/A	N/A	February 24, 2015	No local damage reported
Flood	N/A	N/A	March 11, 2015	No local damage reported
Flood	N/A	N/A	March 14, 2015	No local damage reported
Earthquake, Magnitude 1.2, 2 km SW of Clifton, NJ (Bloomfield Twp.)	N/A	N/A	March 27, 2015	No local damage reported
Strong Wind	N/A	N/A	April 4, 2015	No local damage reported
Flash Flood	N/A	N/A	May 31, 2015	No local damage reported
Earthquake, Magnitude 1.2, 2 km N of Wanaque, NJ (Ringwood Boro.)	N/A	N/A	July 12, 2015	No local damage reported
Heat	N/A	N/A	July 19, 2015	No local damage reported
Earthquake, Magnitude 2.7, 3.5 km N of Bernardsville, NJ (Bernardsville Boro.)	N/A	N/A	August 14, 2015	No local damage reported
Flash Flood	N/A	N/A	August 19, 2015	No local damage reported
Flood	N/A	N/A	August 19, 2015	No local damage reported
Earthquake, Magnitude 1.4, 5 km WNW of Fairfield, NJ (Fairfield Twp.)	N/A	N/A	August 22, 2015	No local damage reported
Drought and Excessive	N/A	N/A	April 2015 –	No local damage reported

Natural Hazard Event History (2014 to present)				
Type of Event	FEMA Disaster # (if applicable)	County Designated?	Date	Approximate Damage Assessment
Heat			September 2015	
Combined effects of freeze, excessive heat, and drought	N/A	N/A	April 2016 – September 2016	No local damage reported
Earthquake, Magnitude 2.1, 2.4 km NW of Ringwood, NJ (Ringwood Boro.)	N/A	N/A	January 2, 2016	No local damage reported
Severe Winter Storm and Snowstorm (Blizzard)	DR-4264	Yes	January 22-24, 2016	No local damage reported
Earthquake, Magnitude 1.1, 1.1 km NW of Butler, NJ (Bloomingdale Boro.)	N/A	N/A	February 19, 2016	No local damage reported
Flash Flood	N/A	N/A	February 24, 2016	No local damage reported
Thunderstorm Wind	N/A	N/A	April 2, 2016	No local damage reported
Earthquake, Magnitude 0.8, 4.4 km N of Butler, NJ (Bloomingdale Boro.)	N/A	N/A	May 27, 2016	No local damage reported
Lightning	N/A	N/A	June 8, 2016	No local damage reported
Thunderstorm Wind	N/A	N/A	June 8, 2016	No local damage reported
Lightning	N/A	N/A	June 28, 2016	No local damage reported
Thunderstorm Wind	N/A	N/A	June 28, 2016	No local damage reported
Earthquake, Magnitude 1.1, 1 km NW of Butler, NJ (Butler Boro.)	N/A	N/A	July 4, 2016	No local damage reported
Heavy Rain	N/A	N/A	July 8, 2016	No local damage reported
Flood	N/A	N/A	July 8, 2016	No local damage reported
Thunderstorm Wind	N/A	N/A	July 18, 2016	No local damage reported
Thunderstorm Wind	N/A	N/A	July 25, 2016	No local damage reported
Thunderstorm Wind	N/A	N/A	July 25, 2016	No local damage reported
Thunderstorm Wind	N/A	N/A	July 25, 2016	No local damage reported
Flood	N/A	N/A	July 25, 2016	No local damage reported
Heavy Rain	N/A	N/A	July 30, 2016	No local damage reported
Heavy Rain	N/A	N/A	July 31, 2016	No local damage reported
Heavy Rain	N/A	N/A	July 31, 2016	No local damage reported
Heavy Rain	N/A	N/A	July 31, 2016	No local damage reported
Heavy Rain	N/A	N/A	July 31, 2016	No local damage reported
Heavy Rain	N/A	N/A	July 31, 2016	No local damage reported
Heavy Rain	N/A	N/A	July 31, 2016	No local damage reported
Flash Flood	N/A	N/A	July 31, 2016	No local damage reported
Earthquake, Magnitude 0.8, 2.2 km SW of Clifton, NJ (Bloomfield Twp.)	N/A	N/A	July 31, 2016	No local damage reported
Earthquake, Magnitude 1.0, 2 km N of Wanaque, NJ (Wanaque Boro.)	N/A	N/A	August 9, 2016	No local damage reported

Natural Hazard Event History (2014 to present)				
Type of Event	FEMA Disaster # (if applicable)	County Designated?	Date	Approximate Damage Assessment
Earthquake, Magnitude 0.5, 1 km N of Butler, NJ (Bloomingdale Boro.)	N/A	N/A	August 9, 2016	No local damage reported
Earthquake, Magnitude 0.6, 5 km NE of Wanaque, NJ (Ringwood Boro.)	N/A	N/A	September 20, 2016	No local damage reported
Earthquake, Magnitude 1.5, 2.6 km W of Belmar, NJ (Westville Boro.)	N/A	N/A	November 6, 2016	No local damage reported
Earthquake, Magnitude 2.0, 16.3 km E of Highlands, NJ (Middletown Twp.)	N/A	N/A	November 6, 2016	No local damage reported
Earthquake, Magnitude 1.31, 1.4 km S Morris Plains, NJ (Morris Plains Boro.)	N/A	N/A	March 25, 2017	No local damage reported
Flood	N/A	N/A	March 31, 2017	No local damage reported
Hail	N/A	N/A	May 14, 2017	No local damage reported
Hail	N/A	N/A	May 31, 2017	No local damage reported
Flood	N/A	N/A	June 24, 2017	No local damage reported
Flood	N/A	N/A	July 22, 2017	No local damage reported
Flood	N/A	N/A	August 22, 2017	No local damage reported
Flood	N/A	N/A	August 22, 2017	No local damage reported
Heavy Rain	N/A	N/A	August 23, 2017	No local damage reported
Earthquake, Magnitude 1.71, 3.7 km SW of Morris Plains, NJ (Morris Twp.)	N/A	N/A	September 25, 2017	No local damage reported
Earthquake, Magnitude 0.98, 2.7 km SW of Morris Plains, NJ (Morris Twp.)	N/A	N/A	September 30, 2017	No local damage reported
Flood	N/A	N/A	October 29, 2017	No local damage reported
Earthquake, Magnitude 1.38, 3.5 km NW of Keansburg, NJ (Keansburg Boro.)	N/A	N/A	November 8, 2017	No local damage reported
Severe Winter Storm and Snowstorm (Blizzard)	DR-4368	Yes	March 6, 2018	No local damage reported

Note:

DR = Major Disaster Declaration

EM = Emergency Declaration

N/A = Not applicable

9.2.4 NATURAL HAZARD RISK/VULNERABILITY RISK RANKING

The table below summarizes the vulnerability risk rankings of potential hazards of the Town of Bedminster (updated in 2018).

Natural 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
Flood	1% Annual Chance: \$14,500,000 0.2% Annual Chance: \$31,100,000	Frequent	18	Medium
Severe Storm	100-Year MRP: \$865,312 500-Year MRP: \$2,994,932 Annualized Loss: \$34,998	Frequent	30	Medium
Severe Winter Storm	1% of GBS: \$16,791,530 5% of GBS: \$83,957,650	Frequent	27	Medium
Earthquake	500-Year MRP: \$3,072,724 2,500-Year MRP: \$44,547,359 Annualized Loss: \$46,672	Occasional	12	Low
Drought	Not available	Occasional	16	Medium
Extreme Temperature	Not available	Frequent	18	Medium
Wildfire	Not available	Occasional	28	Medium

Note

- Building damage ratio estimates based on FEMA 386-2 (August 2001)
- The valuation of general building stock and loss estimates was based on custom inventory for Somerset County.
- 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
- Loss estimates for the severe storm and severe winter storm hazards are structural values only and do not include the value of contents.
- Loss estimates for the flood and earthquake hazards represent both structure and contents.
- The HAZUS-MH earthquake model results are reported by Census Tract.

9.2.5 CAPABILITY ASSESSMENT

This section describes the following capabilities of the local jurisdiction:

- Legal and regulatory capability;
- Administrative and technical capability;
- Fiscal capability;
- Community resiliency;
- Community political capability; and
- Community classification.

9.2.5.1 Legal and Regulatory Capability

The table below summarizes the regulatory tools that are available to the Township of Bedminster. The Township reviewed its responses from the 2014 HMP and has indicated that all prior feedback is still applicable.

Legal and Regulatory Capability			
Regulatory Tools (Codes, Ordinances, Plans)	Do you have this? (Y or N)	Enforcement Authority	Code Citation (Section, Paragraph, Page Number, Date of Adoption)
1) Building Code	Y	Construction Dept.	International Codes
2) Zoning Ordinance	Y	Community Development Dept.	General Ordinances, CH. 13; 12/05
3) Subdivision Ordinance	Y	Community Development Dept.	General Ordinances, CH. 13; 12/05
4) NFIP Flood Damage Prevention Ordinance	Y	Community Development Dept.	Flood Damage Prevention Ordinance; 9/4/07
4a) Cumulative Substantial Damages	N		
4b) Freeboard	Y	Community Development Dept.	General Ordinances, CH. 13; 12/05
5) Growth Management	Y	Planning Board	Municipal Master Plan; 1/03
6) Floodplain Management / Basin Plan	Y	Engineering	General Ordinances, Ch. 13; 12/05
7) Stormwater Management Plan/Ordinance	Y	Engineering	General Ordinances, Ch. 13; 12/05
8) Comprehensive Plan / Master Plan/ General Plan	Y	Planning Board	Municipal Master Plan; 1/03
9) Capital Improvements Plan	Y	Township Committee	Municipal Budget
10) Site Plan Review Requirements	Y	Engineering	Zoning Ordinances; Construction Code
11) Open Space Plan	Y	Planning Board	Municipal Master Plan; 1/03

Legal and Regulatory Capability			
Regulatory Tools (Codes, Ordinances, Plans)	Do you have this? (Y or N)	Enforcement Authority	Code Citation (Section, Paragraph, Page Number, Date of Adoption)
12) Stream Corridor Management Plan	Y	Engineering	Municipal Master Plan; 1/03; General Ordinances, CH. 13; 12/05
13) Watershed Management or Protection Plan	N		
14) Economic Development Plan	N		
15) Comprehensive Emergency Management Plan	Y	Municipal OEM	Municipal EOP; 7/04
16) Emergency Response Plan	Y	Municipal OEM	Municipal EOP; 7/04
17) Post-Disaster Recovery Plan	Y	Municipal OEM	Municipal EOP; 7/04
18) Post-Disaster Recovery Ordinance	N		
19) Real Estate Disclosure Requirement	N		
20) Other (Special Purpose Ordinances such as critical or sensitive areas)	Y	Engineering	General Ordinances, CH. 13; 12/05

9.2.5.2 Administrative and Technical Capability

The table below summarizes potential staff and personnel resources available to the Township of Bedminster. The Township reviewed its responses from the 2014 HMP and has indicated that all prior feedback is still applicable.

Administrative and Technical Capability		
Staff / Personnel Resources	Available (Y or N)	Department / Agency / Position
1) Planner(s) or Engineer(s) with knowledge of land development and land management practices	Y	Twp. Engineer and Consultants
2) Engineer(s) or Professional(s) trained in construction practices related to buildings and/or infrastructure	Y	Twp. Engineer
3) Planners or engineers with an understanding of natural hazards	Y	Twp. Engineer
4) NFIP Floodplain Administrator	Y	Paul Ferriero/ Twp. Engineer
5) Surveyor(s)	Y	Twp. Engineer
6) Personnel skilled or trained in GIS applications	Y	Twp. Engineer
7) Scientist familiar with natural hazards	Y	Twp. Engineer
8) Emergency Manager	Y	Local OEM
9) Grant Writer(s)	Y	Twp. Administrator
10) Staff with expertise or training in benefit/cost analysis	Y	Finance/Auditor

9.2.5.3 Fiscal Capability

The table below summarizes financial resources available to the Township of Bedminster. The Township reviewed its responses from the 2014 HMP and has indicated that all prior feedback is still applicable.

Fiscal Capability	
Financial Resources	Accessible or Eligible to use (Yes/No/Don't know)
1) Community Development Block Grants (CDBG)	Y
2) Capital Improvements Project Funding	Y
3) Authority to levy taxes for specific purposes	Y
4) User fees for water, sewer, gas or electric service	Y - Sewer
5) Impact fees for homebuyers or developers of new development/homes	Y - Development Fees-Housing Trust
6) Incur debt through general obligation bonds	Y
7) Incur debt through special tax bonds	Y
8) Incur debt through private activity bonds	N
9) Withhold public expenditures in hazard-prone areas	N
10) State mitigation grant programs	Y
11) Other	

9.2.5.4 Overall Capabilities

The Township of Bedminster's 2018 assessment of its overall capabilities to implement hazard mitigation strategies in each of the above categories, in addition to their local assessment of how these capabilities could be expanded and/or improved to reduce risk, is presented in the table below.

Overall legal and regulatory capability to implement hazard mitigation strategies	Overall technical capability to implement hazard mitigation strategies	Overall fiscal capability to implement hazard mitigation strategies	Overall administrative capability to implement hazard mitigation strategies	Community's willingness to enact policies and programs that reduce hazard vulnerabilities
High	Moderate	Moderate	Moderate	Low
How these capabilities can be expand and/or improved to reduce risk				
<ul style="list-style-type: none"> • Talk more about IT • Community Knowledge 				

9.2.5.5 Community Classifications

The table below summarizes classifications for community program available to the Township of Bedminster.

Community Classifications		
Program	Classification	Date Classified
Community Rating System (CRS) *	6	05/01/2007
Building Code Effectiveness Grading Schedule (BCEGS)	NP	
Public Protection	NP	
Storm Ready	NP	
Firewise	NP	

Notes:

- = Unavailable

N/A = Not applicable

NP = Not participating.

* CRS Ranking as of October 2017

The classifications listed above relate to the Township of Bedminster's ability to provide effective services to lessen its vulnerability to the natural 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 CRS Class applies to flood insurance, while the 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 5 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/>

9.2.6 MITIGATION STRATEGY

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

9.2.6.1 Past Mitigation Actions/Status

The status of all 2014 HMP initiatives was evaluated by the Township of Bedminster in 2018 and is presented in the following table. The community has indicated that local priorities have not changed since the last version of the plan.

2014 HMP Initiative #	Mitigation Initiative Description	2014 HMP Priority	Hazard(s) Mitigated	Lead and Support Agencies	Status				Status Details	Relevance		Relevance Details
					Completed	Initiated but Not Completed	Ongoing Type of Activity	Not Initiated		Still Relevant - Carry Forward to Updated Mitigation Strategy	No Longer Relevant - Omit from Updated Mitigation Strategy	
BM 1 (BM3)	Continue to develop, enhance and implement existing emergency plans, including the annex to Bedminster Township's Emergency Operations Plan, and other ongoing updates to Comprehensive Emergency Management Plans.	Medium	All	OEM; Support from County Emergency Management			X		Ongoing-Maintenance of Existing Plans	X		No Change
BM2 (BM5)	Support retrofitting and/or purchasing of structures located in hazard prone areas, including the one repetitive loss property located within the Township.	High	Flood	Multi			X		Ongoing	X		No Change
BM3 (BM8)	Consider relocation or retrofit of rescue squad on Route 202 to prevent ongoing flooding of this critical facility.	High	Flood	FHBFA			X		Will consider relocation or retrofit if funding becomes available	X		No Change

<p>BM4</p>	<p>Conduct and facilitate community and public education and outreach for residents and businesses to include, but not be limited to, the following to promote and effect natural hazard risk reduction:</p> <ul style="list-style-type: none"> • Provide and maintain links to the HMP website, and regularly post notices on the County/municipal homepage(s) referencing the HMP webpages. • Prepare and distribute informational letters to flood vulnerable property owners and neighborhood associations, explaining the availability of mitigation grant funding to mitigate their properties, and instructing them on how they can learn more and implement mitigation. • Use email notification systems and newsletters to better educate the public on flood insurance, the availability of mitigation grant funding, and personal natural hazard risk reduction measures. • Work with neighborhood associations, civic and business groups to disseminate information on flood insurance and the availability of mitigation grant funding. 	<p>High</p>	<p>All Hazards</p>	<p>Municipality with support from Planning Partners, County Planning, NJOEM, FEMA</p>				<p>X</p>	<p>Lack of staffing</p>	<p>X</p>		<p>No Change</p>
<p>BM5</p>	<p>Incorporate ordinances and/or zoning restrictions to control and mitigate future development in hazard areas, specifically as identified in Section 9.2.11.</p>	<p>Medium</p>	<p>All Hazards</p>	<p>Municipality with support from County, NJOEM and FEMA</p>			<p>X</p>		<p>Ongoing</p>		<p>X</p>	<p>No Change</p>
<p>BM6</p>	<p>Improve communication systems.</p>	<p>Medium</p>	<p>All Hazards</p>	<p>Municipality with support from County, NJOEM and FEMA</p>			<p>X</p>		<p>EOC Communication has improved with trunking radios</p>	<p>X</p>		<p>No Change</p>

<p>BM7</p>	<p>Develop programs/procedures to capture and archive loss data from events. Examples include:</p> <ul style="list-style-type: none"> Record location and length of roadway closures; Develop a database of residential and commercial property damage, including permit history for such repairs; High water marks, perhaps painting phone poles with high water marks and or regulatory Base Flood Elevations (BFEs). 	<p>Medium</p>	<p>All Hazards</p>	<p>Municipality with support from County, NJOEM and FEMA</p>			<p>X</p>		<p>Ongoing</p>	<p>X</p>		<p>No Change</p>
<p>BM8 (BM6)</p>	<p>Obtain and install backup power sources at vulnerable critical facilities. As part of this initiative, the Twp. will:</p> <ul style="list-style-type: none"> Continue to support the purchase of generators by local school facilities, and Continue to pursue the purchase of a mobile generator unit to be available for use at critical facilities throughout the Township. 	<p>High</p>	<p>All Hazards</p>	<p>Municipality with support from County, NJOEM and FEMA</p>		<p>X</p>			<p>We have gotten a generator but it needs work done to it. The end result is that we are still working on this project.</p>	<p>X</p>		<p>No Change</p>

<p>BM9</p>	<p>Participate in local, county and/or state level projects and programs to develop improved structure and facility inventories and hazard datasets to support enhanced risk assessment efforts. Such programs may include developing a detailed inventory of critical facilities based upon FEMA's Comprehensive Data Management System (CDMS) which could be used for various planning and emergency management purposes including:</p> <ul style="list-style-type: none"> • Support the performance of enhanced risk and vulnerability assessments for hazards of concern. • Support state, county and local planning efforts including mitigation (including updates to the State HMP), comprehensive emergency management, debris management, and land use. Improved structural and facility inventories could incorporate flood, wind and seismic-specific parameters (e.g. first floor elevations, roof types, structure types based on FEMA-154 "Rapid Visual Screening of Buildings for Potential Seismic Hazards" methodologies). It is recognized that these programs will need to be initiated and supported at the County and/or State level, and will require training, tools and funding provided at the county, state and/or federal level. 	<p>Medium</p>	<p>All Hazards</p>	<p>Hazard Mitigation Plan Coordinator</p>			<p>X</p>		<p>Ongoing</p>	<p>X</p>		<p>No Change</p>
<p>BM10</p>	<p>Enhance and maintain mutual aid agreements with the Boroughs of Peapack</p>	<p>High</p>	<p>All Hazards</p>	<p>Municipality with support from County,</p>			<p>X</p>		<p>OUR MUTUAL AID BETWEEN TOWNS ARE</p>	<p>X</p>		<p>No Change</p>

	Gladstone and Far Hills, and seek to create new Mutual Aid agreements with neighboring communities for continuity of operations			NJOEM, FEMA and surrounding communities					STILL ONGOING AND BECOMES GREATER AS WE MOVE FORWARD			
BM11	Identify and develop agreements with entities that can provide support with FEMA/NJOEM paperwork after disasters; qualified damage assessment personnel – Improve post-disaster capabilities – damage assessment; FEMA/NJOEM paperwork compilation, submissions, record-keeping	Medium	All Hazards	Municipality with support from County, NJOEM and FEMA		X			We will work with County OEM to train on Orion Damage Assessment Software	X		No Change
BM12	Work with regional agencies (i.e. County and NJOEM) to help develop damage assessment capabilities at the local level through such things as training programs, certification of qualified individuals (e.g. code officials, floodplain managers, engineers).	Medium	All Hazards	Municipality with support from County, NJOEM and FEMA				X	Utilizes engineering consultant	X		No Change
BM13 (BM4)	Continue to support the implementation, monitoring, maintenance, and updating of this Plan (through participating in the 5 year Plan Update), as defined in Section 7.0	High	All Hazards	Twp. Engineer with support from Planning Partners, County Planning, NJOEM, FEMA			X		Ongoing	X		No Change

BM14	<p>Purchase, relocate, or elevate structures located in hazard-prone areas to protect structures from future damage, with repetitive loss and severe repetitive loss property as priority.</p> <p>Phase 1: Identify appropriate candidates based on cost-effectiveness including the relocation of the rescue squad facility on Route 202.</p> <p>Phase 2: Where determined to be a viable option, work with property owners toward implementation of the determined action based on available funding from FEMA and local match availability</p>	Medium	Flood, Severe Storm	Municipality (via Municipal Engineer/NFIP Floodplain Administrator) with support from County Planning, NJOEM, FEMA				X	Will consider relocation or retrofit if funding becomes available	X	No Change
BM15 (BM9)	<p>Maintain compliance with and good-standing in the NFIP including adoption and enforcement of floodplain management requirements (e.g. regulating all new and substantially improved construction in Special Hazard Flood Areas), floodplain identification and mapping, and flood insurance outreach to the community.</p> <p>Further, continue to meet and/or exceed the minimum NFIP standards and criteria through the following NFIP-related continued compliance actions identified as Initiatives below.</p>	High	Flood, Severe Storm	Municipality (via Municipal Engineer/NFIP Floodplain Administrator) with support from NJOEM, FEMA				X	Ongoing	X	No Change
BM16	Obtain and archive elevation certificates	High	Flood, Severe Storm	NFIP Floodplain Administrator		X			Lack of staffing	X	No Change
BM17	Promote the participation of Floodplain Administrators within the planning process and other activities.	Medium	Flood	Municipality with support from County, NJOEM and FEMA			X		Ongoing	X	No Change

SECTION 9.2: TOWNSHIP OF BEDMINSTER

BM18	Enhance the County/community resilience to severe storms (incl. severe winter storms) by joining the NOAA "Storm Ready" program and supporting communities in joining the program.	Medium	Severe Storm	Municipality with support from County, NJOEM and FEMA				X	Will consider participation throughout the plan cycle	X		No Change
BM19	Adopt regulations for underground utilities in new developments.	H	Severe Storm	Municipal Council				X	Not at this time, will consider if options become available	X		No Change
BM20	Implement permit fee waivers for installation of backup power for private property.	H	Severe Storm	Municipal Council			X		Ongoing	X		No Change
BM21	Provide public education and outreach on proper installation and/or use of backup power	H	Severe Storm	Municipal Clerk				X	Lack of Staffing	X		No Change
BM22	Implement, review, and enforce municipal policies and programs to prevent trees from threatening lives and impacting power availability/interruption.	H	Severe Storm	Municipal Code Enforcement			X		Ongoing	X		No Change

9.2.6.2 Hazard Vulnerabilities Identified

It is estimated that in the Township of Bedminster, 81 residents live within the 1% annual chance flood area (NFIP Special Flood Hazard Area). A total of \$537,881,000 (18.7%) of the municipality's general building stock replacement cost value (structure and contents) is located within the 1% annual chance flood area.

There are 60 NFIP policies in the community and there are 24 policies located within the 1% annual chance flood area. FEMA has identified 1 Repetitive Loss (RL) property including 0 Severe Repetitive Loss (SRL) properties in the municipality.

HAZUS-MH 4.0 estimates that for a 1% annual chance flood, \$14,500,000 (0.50%) of the municipality's general building stock replacement cost value (structure and contents) will be damaged, 336 households may be displaced, 197 people may seek short-term sheltering, and an estimated 161 tons of debris could be generated.

Further information regarding the summary of the community's participation in the NFIP is provided in the table below.

NFIP Summary								
Municipality	# Policies (1)	# Claims (Losses) (1)	Total Loss Payments (2)	# Rep. Loss Prop. (1)	# Severe Rep. Loss Prop. (1)	# Policies in 1% Boundary (3)	# Policies in 0.2% - Boundary (3)	# Policies Outside the 0.2% Flood Hazard (3)
Bedminster (T)	60	27	\$361,246	1	0	24	0	36

Source:

- (1) Policies, claims, repetitive loss and severe repetitive loss statistics provided by FEMA Region 2 via NJDEP in August 2017 and are current as of March 31, 2017. Please note the total number of repetitive loss properties includes the severe repetitive loss properties.
- (2) Information regarding total building and content losses was gathered from the claims file provided by FEMA Region 2 (current as of the Township of Bedminster).
- (3) The policy locations used are based on the latitude and longitude provided by FEMA Region 2.

HAZUS-MH critical facility damage estimates for the Township of Bedminster are provided below.

Critical Facility Damage Estimate										
Name	Municipality	Type	Exposure		Potential Loss from 1% Flood Event			Potential Loss from 0.2% Flood Event		
			1% Event	0.2% Event	Percent Structure Damage	Percent Content Damage	Days to 100-Percent ⁽¹⁾	Percent Structure Damage	Percent Content Damage	Days to 100-Percent ⁽¹⁾
Bedminster-Far Hills First Aid Squad	Bedminster (T)	Fire	x	x	-	-	-	-	-	-
Bedminster-Far Hills Fire Department	Bedminster (T)	Fire		x	-	-	-	-	-	-
DPW	Bedminster (T)	DPW		x	-	-	-	-	-	-

Source: HAZUS-MH 4.0

Notes:

- = No loss (calculated by HAZUS-MH 4.0)

X = Facility located within the DFIRM boundary.

DFIRM = Digital Flood Insurance Rate Map

NA = Not applicable

T = Township

- (1) HAZUS-MH 4.0 provides a general indication of the maximum restoration time for 100% operations. Clearly, a great deal of effort is needed to quickly restore essential facilities to full functionality; therefore, this will be an indication of the maximum downtime (HAZUS-MH 4.0 User Manual).
- (2) Please note in some cases, a facility may be located in the DFIRM flood hazard boundary; however HAZUS did not calculate potential loss. This may be because the depth of flooding does not amount to any damages to the structure according to the depth damage function used in HAZUS for that facility type.

Please refer to the Hazard Profiles in Section 5 of this plan for additional vulnerability information relevant to this jurisdiction.

9.2.7 PROPOSED HAZARD MITIGATION INITIATIVES

The list below represents a summary of community mitigation initiatives developed in 2018 as part of the most recent plan update. The Township of Bedminster has carried forward all but one of its 2014 HMP initiatives, and has identified no changes in local priorities since the last version of the plan in 2014. Detailed Action Worksheets are included only for NEW Mitigation Actions/Projects. Some of the identified mitigation initiatives in the table below 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. Please note that the Township has opted to carry forward legacy initiative numbers from the 2014 and 2009 plans, respectively, for internal municipal tracking purposes, formatted as: “2019# [2014# (2009#)]”.

Proposed Hazard Mitigation Initiatives														
2019 Initiative Number	Initiative Name	Initiative Description	New Initiative or Carried Forward	Applies to New and/or Existing Structures*	Hazard(s) Mitigated	Objectives Met	Lead and Support Agencies	Estimated Benefits	Estimated Cost	Sources of Funding	Timeline	Priority	Mitigation Category	2018 Action Status
BM1 [BM1(BM3)]	Emergency Management Plan	Continue to develop, enhance and implement existing emergency plans, including the annex to Bedminster Township's Emergency Operations Plan, and other ongoing updates to Comprehensive Emergency Management Plans.	Carried Forward	New and Existing	All	2, 6, 7, 8, 11, 13	OEM; Support from County Emergency Management	Low	Low	Operating Budget	Ongoing	Medium	Capability, PR	Ongoing maintenance of existing plans. Project is carried forward with no changes from the 2014 HMP.

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Proposed Hazard Mitigation Initiatives														
2019 Initiative Number	Initiative Name	Initiative Description	New Initiative or Carried Forward	Applies to New and/or Existing Structures*	Hazard(s) Mitigated	Objectives Met	Lead and Support Agencies	Estimated Benefits	Estimated Cost	Sources of Funding	Timeline	Priority	Mitigation Category	2018 Action Status
BM2 (BM2(BM5)]	Mitigation – Retrofit Structures	Support retrofitting and/or purchasing of structures located in hazard prone areas, including the one repetitive loss property located within the Township.	Carried Forward	Existing	Flood	1, 4, 5, 8	Multi	High	Low	HMGP PDM FMA	Short Term	High	Action/ Project, PP	Ongoing - The Township has previously contacted the repetitive loss property owner through their annual outreach program to make them aware of the options for retrofitting and buy outs and provide information on available funding sources. No additional support has been requested to date. Project is carried forward with no changes from the 2014 HMP.

Proposed Hazard Mitigation Initiatives														
2019 Initiative Number	Initiative Name	Initiative Description	New Initiative or Carried Forward	Applies to New and/or Existing Structures*	Hazard(s) Mitigated	Objectives Met	Lead and Support Agencies	Estimated Benefits	Estimated Cost	Sources of Funding	Timeline	Priority	Mitigation Category	2018 Action Status
BM3 [BM3 (BM8)]	Critical Facilities	Consider relocation or retrofit of rescue squad on Route 202 to prevent ongoing flooding of this critical facility.	Carried Forward	Existing	Flood	1, 4, 6, 7	FHBFA	High	Unavailable	HMGP Operating Budget	Short Term	High	Action/Project, PP	Ongoing - Twp. Officials previously stated that retrofitting and/or relocating the other two vulnerable critical facilities (Bedminster-Far Hills Fire Dept. and DPW) is not financially feasible at this time. The Township will consider relocation or retrofit of the rescue squad if funding becomes available. Project is carried forward with no changes from the 2014 HMP.

Proposed Hazard Mitigation Initiatives														
2019 Initiative Number	Initiative Name	Initiative Description	New Initiative or Carried Forward	Applies to New and/or Existing Structures*	Hazard(s) Mitigated	Objectives Met	Lead and Support Agencies	Estimated Benefits	Estimated Cost	Sources of Funding	Timeline	Priority	Mitigation Category	2018 Action Status
BM4	Public Outreach & Education	Conduct and facilitate community and public education and outreach for residents and businesses to include, but not be limited to, the following to promote and effect natural hazard risk reduction: Provide and maintain links to the HMP website, and regularly post notices on the County/municipal homepage(s) referencing the HMP webpages. Prepare and distribute informational letters to flood vulnerable property owners and neighborhood associations, explaining the availability of mitigation grant funding to mitigate their properties, and instructing them on how they can learn more and implement mitigation. Use email notification systems and newsletters to better educate the public on flood insurance, the availability of mitigation grant funding, and personal natural hazard risk reduction measures. Work with neighborhood associations, civic and business groups to disseminate information on flood insurance and the availability of mitigation grant funding.	Carried Forward	N/A	All Hazards	3, 5, 11, 13	Municipality with support from Planning Partners, County Planning, NJOEM, FEMA	Medium	Medium	Municipal Budget, HMA programs with local or county match	Short Term	High	Capability, PE	Not initiated due to lack of staffing. Project is carried forward with no changes from the 2014 HMP.
BM5 (BM6)	Communications Improvements	Improve communication systems.	Carried Forward	N/A	All Hazards	7, 11, 13	Municipality with support from County, NJOEM and FEMA	Medium	Medium	Municipal Budget	Short Term	Medium	Capability, ES, PR	Ongoing activity. EOC communication has improved with trunking radios. Project is carried forward with no changes from the 2014 HMP.

Proposed Hazard Mitigation Initiatives														
2019 Initiative Number	Initiative Name	Initiative Description	New Initiative or Carried Forward	Applies to New and/or Existing Structures*	Hazard(s) Mitigated	Objectives Met	Lead and Support Agencies	Estimated Benefits	Estimated Cost	Sources of Funding	Timeline	Priority	Mitigation Category	2018 Action Status
BM6 (BM7)	Flood Database	Develop programs/procedures to capture and archive loss data from events. Examples include: Record location and length of roadway closures; Develop a database of residential and commercial property damage, including permit history for such repairs; High water marks, perhaps painting phone poles with high water marks and or regulatory Base Flood Elevations (BFEs).	Carried Forward	N/A	All Hazards	1, 8	Municipality with support from County, NJOEM and FEMA	Medium	Medium	Municipal Budget	Short Term	Medium	Mitigation Action/ Project, PR	Ongoing activity. Project is carried forward with no changes from the 2014 HMP.
BM7 [BM8 (BM6)]	Generators – Critical Facilities	Obtain and install backup power sources at vulnerable critical facilities. As part of this initiative, the Twp. will: Continue to support the purchase of generators by local school facilities, and Continue to pursue the purchase of a mobile generator unit to be available for use at critical facilities throughout the Township.	Carried Forward	Existing	All Hazards	1, 2, 4, 6, 7, 11, 13	Municipality with support from County, NJOEM and FEMA	Medium	Medium	Municipal Budget	Short Term	High	Capability, ES	Initiated but not completed – a generator has been acquired but is in need of work. Project is carried forward with no changes from the 2014 HMP.

Proposed Hazard Mitigation Initiatives														
2019 Initiative Number	Initiative Name	Initiative Description	New Initiative or Carried Forward	Applies to New and/or Existing Structures*	Hazard(s) Mitigated	Objectives Met	Lead and Support Agencies	Estimated Benefits	Estimated Cost	Sources of Funding	Timeline	Priority	Mitigation Category	2018 Action Status
BM8 (BM9)	Risk Assessment	Participate in local, county and/or state level projects and programs to develop improved structure and facility inventories and hazard datasets to support enhanced risk assessment efforts. Such programs may include developing a detailed inventory of critical facilities based upon FEMA's Comprehensive Data Management System (CDMS) which could be used for various planning and emergency management purposes including: Support the performance of enhanced risk and vulnerability assessments for hazards of concern. Support state, county and local planning efforts including mitigation (including updates to the State HMP), comprehensive emergency management, debris management, and land use. Improved structural and facility inventories could incorporate flood, wind and seismic-specific parameters (e.g. first floor elevations, roof types, structure types based on FEMA-154 "Rapid Visual Screening of Buildings for Potential Seismic Hazards" methodologies). It is recognized that these programs will need to be initiated and supported at the County and/or State level, and will require training, tools and funding provided at the county, state and/or federal level.	Carried Forward	N/A	All Hazards	1, 2, 8, 11	Hazard Mitigation Plan Coordinator	Medium-High	Medium-High	FEMA Mitigation Grant Programs with local match	Long Term DOF	Medium	Mitigation Action/Project, PR	Activities are ongoing. Project is carried forward with no changes from the 2014 HMP.

Proposed Hazard Mitigation Initiatives														
2019 Initiative Number	Initiative Name	Initiative Description	New Initiative or Carried Forward	Applies to New and/or Existing Structures*	Hazard(s) Mitigated	Objectives Met	Lead and Support Agencies	Estimated Benefits	Estimated Cost	Sources of Funding	Timeline	Priority	Mitigation Category	2018 Action Status
BM9 (BM10)	Mutual Aid	Enhance and maintain mutual aid agreements with the Boroughs of Peapack Gladstone and Far Hills, and seek to create new Mutual Aid agreements with neighboring communities for continuity of operations	Carried Forward	N/A	All Hazards	3, 6, 7, 13	Municipality with support from County, NJOEM, FEMA and surrounding communities	Medium	Low	Municipal Budget	Short Term/ Ongoing	High	Capability, PR, ES	See below ¹
BM10 (BM11)	Disaster Mitigation Aid	Identify & develop agreements with entities that can provide support with FEMA/NJOEM paperwork after disasters; qualified damage assessment personnel – Improve post-disaster capabilities – damage assessment; FEMA/NJOEM paperwork compilation, submissions, record-keeping.	Carried Forward	N/A	All Hazards	6, 7	Municipality with support from County, NJOEM and FEMA	Medium	Medium	Municipal Budget	Short Term	Medium	Mitigation Action/ Project, PR, ES	Activities are ongoing. The Township will work with County OEM to train on Orion Damage Assessment Software. Project is carried forward with no changes from the 2014 HMP.
BM11 (BM12)	Damage Assessment Capabilities	Work with regional agencies (i.e., County and NJOEM) to help develop damage assessment capabilities at the local level through such things as training programs, certification of qualified individuals (e.g. code officials, floodplain managers, engineers).	Carried Forward	N/A	All Hazards	2, 6, 7	Municipality with support from County, NJOEM and FEMA	Medium	Medium	Municipal Budget, FEMA HMA and HLS grant programs	Short-Long Term DOF	Medium	Mitigation Action/ Project, PR	Not initiated; will need to utilize engineering consultant. Project is carried forward with no changes from the 2014 HMP.

¹ Activities are ongoing. Mutual aid between towns is still ongoing and becomes greater as the Township moves forward. Bedminster Twp. currently has a written agreement with Far Hills providing them with service from our Department of Public Works for road maintenance and snow/ice removal. Bedminster and Far Hills also share a volunteer fire department and first aid squad. Bedminster and Tewksbury Twp. share a volunteer fire department. Bedminster, Far Hills and Peapack/ Gladstone have a written agreement to share sewer utility service & costs (STAB). Bedminster Police has a county-wide agreement with other police departments for mutual aid. Bedminster DPW has a county-wide agreement to share equipment and manpower. Bedminster and Peapack/Gladstone have a written agreement for the maintenance of roads that are located in both towns. Bedminster is proactive to enter into any shared service agreement with neighboring towns on any level. Currently Bedminster is discussing potential shared services regarding municipal courts and transportation services. Project is carried forward with no changes from the 2014 HMP.

Proposed Hazard Mitigation Initiatives														
2019 Initiative Number	Initiative Name	Initiative Description	New Initiative or Carried Forward	Applies to New and/or Existing Structures*	Hazard(s) Mitigated	Objectives Met	Lead and Support Agencies	Estimated Benefits	Estimated Cost	Sources of Funding	Timeline	Priority	Mitigation Category	2018 Action Status
BM12 [BM13 (BM4)]	Mitigation Plan	Continue to support the implementation, monitoring, maintenance, and updating of this Plan (through participating in the 5 year Plan Update), as defined in Section 7.0.	Carried Forward	New and Existing	All Hazards	All	Twp. Engineer with support from Planning Partners, County Planning, NJOEM, FEMA	High	Low – High (for 5 year update)	Municipal Operating Budget, FEMA planning grants	Short Term/ Ongoing	High	Capability, PR	Complete/ Ongoing Municipality has supported this HMP by maintaining representation on the MPC, maintaining an updated mitigation strategy, submitting annual progress reporting forms on specific mitigation actions. Municipality has also participated fully in the 5 year update. Project is carried forward with no changes from the 2014 HMP.
BM13 (BM14)	At-Risk Structures & Mitigation	Purchase, relocate, or elevate structures located in hazard-prone areas to protect structures from future damage, with repetitive loss and severe repetitive loss property as priority. Phase 1: Identify appropriate candidates based on cost-effectiveness including the relocation of the rescue squad facility on Route 202. Phase 2: Where determined to be a viable option, work with property owners toward implementation of the determined action based on available funding from FEMA and local match availability.	Carried Forward	Existing	Flood, Severe Storm	1, 2, 3, 4, 6, 7, 8	Municipality (via Municipal Engineer/NFI P Floodplain Administrator) with support from County Planning, NJOEM, FEMA	High	High	FEMA Mitigation Grants	Long Term DOF	Medium	Capability, PP	Not initiated; will consider relocation or retrofit if funding becomes available. Project is carried forward with no changes from the 2014 HMP.

Proposed Hazard Mitigation Initiatives														
2019 Initiative Number	Initiative Name	Initiative Description	New Initiative or Carried Forward	Applies to New and/or Existing Structures*	Hazard(s) Mitigated	Objectives Met	Lead and Support Agencies	Estimated Benefits	Estimated Cost	Sources of Funding	Timeline	Priority	Mitigation Category	2018 Action Status
BM14 [BM15 (BM9)]	National Flood Insurance Program	Maintain compliance with and good-standing in the NFIP including adoption and enforcement of floodplain management requirements (i.e., regulating all new and substantially improved construction in Special Hazard Flood Areas), floodplain identification and mapping, and flood insurance outreach to the community. Further, continue to meet and/or exceed the minimum NFIP standards and criteria through the following NFIP-related continued compliance actions identified as Initiatives below.	Carried Forward	N/A	Flood, Severe Storm	1, 5, 8, 9, 12, 13	Municipality (via Municipal Engineer/NFIP Floodplain Administrator) with support from NJOEM, FEMA	High	Low-Medium	Municipal Budget	Ongoing	High	Capability, PR, PE	Ongoing. ²
BM15 (BM16)	Elevation Certificates	Obtain and archive elevation certificates	Carried Forward	N/A	Flood, Severe Storm	1, 2, 4, 5, 6, 7, 12	NFIP Floodplain Administrator	Medium	Low	Municipal Budget	Ongoing	High	Capability, PR	Ongoing; initiative rate of progress hindered due to staffing limitations. Project is carried forward with no changes from the 2014 HMP.
BM16 (BM17)	Mitigation Planning	Promote the participation of Floodplain Administrators within the planning process and other activities.	Carried Forward	N/A	Flood	3, 6, 7	Municipality with support from County, NJOEM and FEMA	Medium	Medium	Municipal Budget	Short Term	Medium	Capability, PR	Ongoing type of activity with multiple opportunities. Floodplain Administrator participated in this plan update. Project is carried forward with no changes from the 2014 HMP.

² Completed actions include continued participation in the CRS program (current rating of 6), creating and enhancing mutual aid agreements with the Boroughs of Peapack Gladstone and Far Hills, and the ongoing evaluation of stormwater management problems in the Township with a goal of preventing localized flooding. Project is carried forward with no changes from the 2014 HMP.

Proposed Hazard Mitigation Initiatives														
2019 Initiative Number	Initiative Name	Initiative Description	New Initiative or Carried Forward	Applies to New and/or Existing Structures*	Hazard(s) Mitigated	Objectives Met	Lead and Support Agencies	Estimated Benefits	Estimated Cost	Sources of Funding	Timeline	Priority	Mitigation Category	2018 Action Status
BM17 (BM18)	Public Outreach & Education	Enhance the County/community resilience to severe storms (including severe winter storms) by joining the NOAA "Storm Ready" program and supporting communities in joining the program.	Carried Forward	N/A	Severe Storm	5, 12	Municipality with support from County, NJOEM and FEMA	Medium	Low	Municipal Budget	Short Term DOF	Medium	Capability, PE	Not initiated. Will consider participation throughout the plan maintenance cycle. Project is carried forward with no changes from the 2014 HMP.
BM18 (BM19)	Underground Utilities & New Development	Adopt regulations for underground utilities in new developments.	Carried Forward	N/A	Severe Storm	1, 2, 6, 7, 9, 11, 13	Municipal Council	Medium	Low	Municipal Budget	Short Term	High	Mitigation Action/Project, PR	Not initiated at this time but will consider if options become available. Project is carried forward with no changes from the 2014 HMP.
BM19 (BM20)	Permit Fee Waivers	Implement permit fee waivers for installation of backup power for private property.	Carried Forward	N/A	Severe Storm	1, 2, 6, 7, 9, 11, 13	Municipal Council	Medium	Low	Municipal Budget	Short Term	High	Capability, PR	Activities are ongoing. Project is carried forward with no changes from the 2014 HMP.
BM20 (BM21)	Generator Education	Provide public education and outreach on proper installation and/or use of backup power	Carried Forward	N/A	Severe Storm	1, 2, 5, 6, 7, 9, 11, 13	Municipal Clerk	Medium	Low	Municipal Budget	Short Term	High	Capability, PR	Not initiated due to lack of staffing. Project is carried forward with no changes from the 2014 HMP.
BM21 (BM22)	Tree Mitigation	Implement, review, and enforce municipal policies and programs to prevent trees from threatening lives and impacting power availability/interruption.	Carried Forward	N/A	Severe Storm	1, 2, 6, 7, 9, 11, 13	Municipal Code Enforcement	Medium	Low	Municipal Budget	Short Term	High	Capability, PR	Activities are ongoing. Project is carried forward with no changes from the 2014 HMP.

Notes:

- * 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:

ARC	American Red Cross
DPW	Department of Public Works
FEMA	Federal Emergency Management Agency
HMA	Hazard Mitigation Assistance
HMP	Hazard Mitigation Proposal
N/A	Not applicable
NFIP	National Flood Insurance Program
NJOEM	New Jersey Office of Emergency Management
NOAA	National Oceanic and Atmospheric Administration
SCPD	Somerset County Planning Department
USACE	U.S Army Corp of Engineers
USGS	U.S. Geological Survey

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:

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:

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:

Low =	Long-term benefits of the project are difficult to quantify in the short term.
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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
SRL =	Severe Repetitive Loss Grant Program

Timeline:

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

Notes (for Mitigation Type):

1. PR = Prevention: 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.
2. PP = Property Protection: 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.
3. PE = Public Education and Awareness: 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.
4. NR = Natural Resource Protection: 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.
5. SP = Structural Projects: 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.
6. ES = Emergency Services: Actions that protect people and property during and immediately following a disaster or hazard event. Services include warning systems, emergency response services,

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.

and the protection of essential facilities.

7. Initiative= Initiatives are comprised of EVERYTHING your community wants to do or is doing in order to meet its mitigation goals. Initiatives include Capabilities, Actions and Projects.

8. Capability= Regulatory, administrative, technical, and fiscal staffing, tools and/or resources. Capabilities can be existing, or in need of further development/expansion.

8. Action/Project= Specific activities or projects that your community plans to undertake or is currently completing in order to achieve its long term mitigation goals. Actions/Projects can include, but are not limited to: structural projects, infrastructure projects, natural systems protection projects, or education and awareness programs.

9.2.8 PRIORITIZATION OF MITIGATION INITIATIVES

The table below summarizes the priority levels for each mitigation initiative, listed by number. Again, please note that the Township has opted to carry forward legacy initiative numbers from the 2014 and 2009 plans, respectively, for internal municipal tracking purposes.

Prioritization of Mitigation Initiatives							
Initiative #	# of Objectives Met	Benefits	Costs	Do benefits equal or exceed costs? (Yes or No)	Is project Grant eligible? (Yes or No)	Can project be funded under existing programs/budgets? (Yes or No)	Priority (High, Med., Low)
BM1 [BM1(BM3)]	6	L	L	Y	N	Y	M
BM2 [BM2(BM5)]	4	H	L	Y	Y	Y	H
BM3 [BM3 (BM8)]	4	H	M	Y	Y	Y	H
BM4	4	M	M	Y	Y	Y	H
BM5 (BM6)	3	M	M	Y	N	Y	M
BM6 (BM7)	2	M	M	Y	N	Y	M
BM7 [BM8 (BM6)]	7	M	M	Y	N	Y	H
BM8 (BM9)	4	M	M	Y	N	Y	M
BM9 (BM10)	4	M	L	Y	N	Y	H
BM10 (BM11)	2	M	M	Y	N	Y	M
BM11 (BM12)	3	M	M	Y	N	Y	M
BM12 [BM13 (BM4)]	13	M	M	Y	N	Y	H
BM13 (BM14)	7	H	H	Y	Y	N	H
BM14 [BM15 (BM9)]	6	H	H	Y	Y	N	M
BM15 (BM16)	7	H	L-M	Y	N	Y	H
BM16 (BM17)	3	M	M	Y	N	Y	M
BM17 (BM18)	2	M	L	Y	N	Y	M
BM18 (BM19)	7	M	L	Y	N	Y	H
BM19 (BM20)	7	M	L	Y	N	Y	H
BM20 (BM21)	8	M	L	Y	N	Y	H
BM21 (BM22)	7	M	L	Y	N	Y	H

Notes:

H = High
 L = Low
 M = Medium
 N/A = Not applicable
 N = No
 Y = Yes

9.2.8.1 Explanation of Priorities

Explanations of priority classifications used to assess the mitigation initiatives described in this annex are presented below:

High Priority = A project that meets multiple objectives (i.e., multiple hazards), where potential benefits exceed the costs. High-priority projects have funding secured or are on-going projects that meet eligibility requirements for the Hazard Mitigation Grant Program (HMGP) or Pre-Disaster Mitigation (PDM) Grant Program. High-priority projects can be completed in the short term (1 to 5 years).

Medium Priority = A project that meets goals and objectives, where the potential benefits outweigh the costs. Funding for medium-priority projects has not been secured but these projects are eligible for grants under HMGP, PDM, or other grant programs. These projects can be completed in the short term, once funding is completed. Medium-priority projects will become high-priority projects once funding is secured.

Low Priority = A project that will mitigate the risk of a hazard, where the potential benefits do not exceed the costs or have benefits that are difficult to quantify. Funding for low-priority projects has not been secured and these projects are not eligible for HMGP or PDM grant funding. The timeline for completion is considered long term (1 to 10 years). Low-priority projects may be eligible other sources of grant funding from other programs. A low-priority project could become a high-priority project once funding is secured as long as it could be completed in the short term.

Was prioritization of initiatives based on the above definitions? Yes

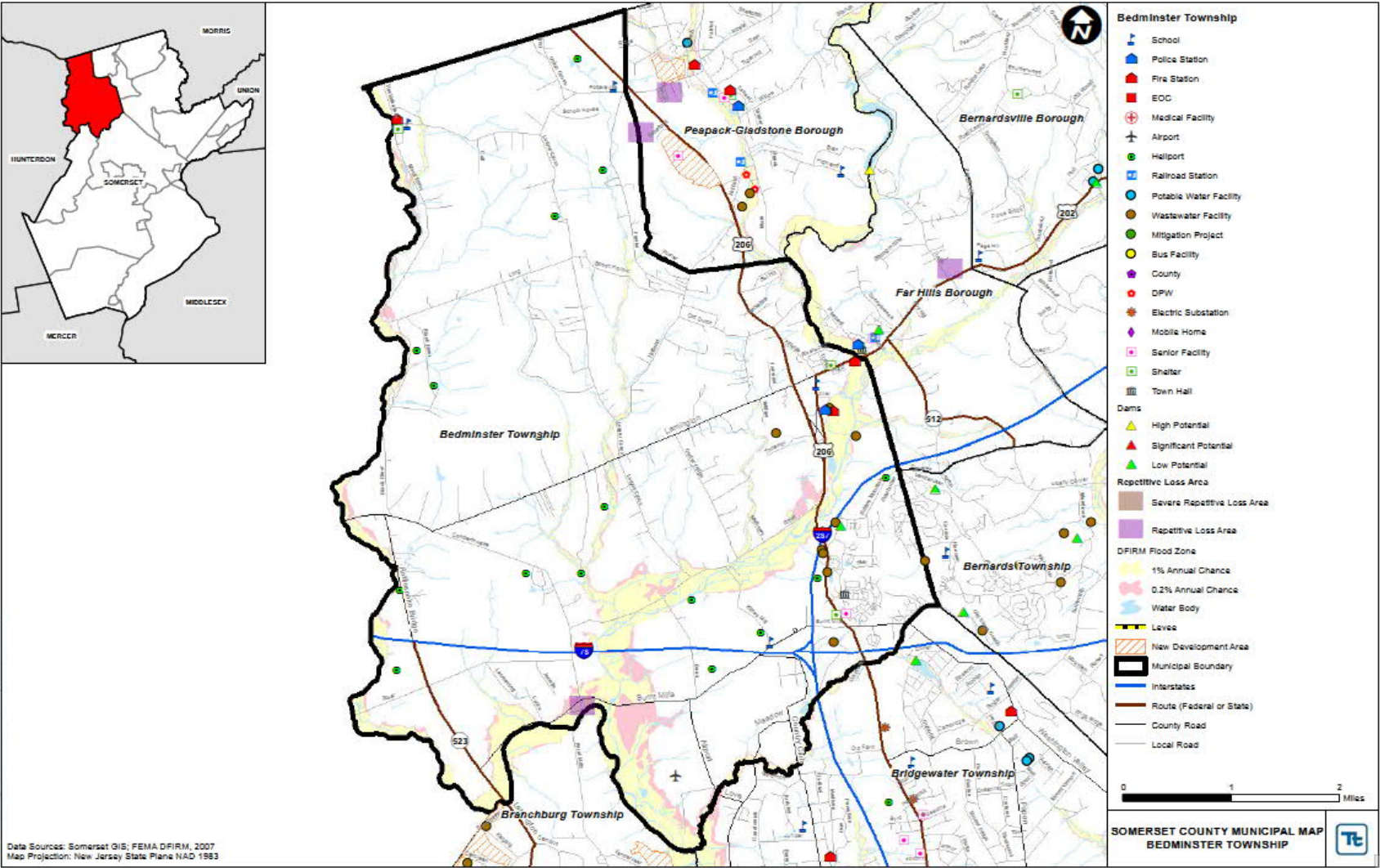
Was prioritization of initiatives based on parameters other than those stated above? Not applicable

9.2.9 FUTURE NEEDS TO BETTER UNDERSTAND RISK/VULNERABILITY

The Town of Bedminster has no additional risk vulnerabilities that need to be addressed at this time.

9.2.10 HAZARD AREA EXTENT AND LOCATION

A hazard area extent and location map illustrating the probable areas impacted within the Town of Bedminster is provided on the following page. This map is based on the best data available at the time of the preparation of this plan, and is 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 Bedminster has significant exposure. The planning area maps are provided in the hazard profiles within Section 5.4 of this plan.



9.2.11 STATUS OF INCORPORATION OF MITIGATION PLANNING INTO EXISTING AND FUTURE PLANNING MECHANISMS

It is the intention of Town of Bedminster to incorporate mitigation planning as an integral component of daily municipal operations. The following table contains a list of planning mechanisms that have been utilized during prior plan maintenance cycles, and those that will be incorporated into municipal procedures during the upcoming plan maintenance cycle (2019-2024).

Status of Incorporation of Mitigation Planning into Existing and Future Planning Mechanisms				
Planning Mechanisms	Reported Utilization (2009-2014)	Planned Utilization (2014-2019)	Reported Utilization (2014-2019)	Planned Utilization (2019-2024)
Operating Budget When constructing upcoming budgets, hazard mitigation actions will be funded as budget allows. Construction projects will be evaluated to see if they meet the hazard mitigation goals and objectives.		X		X
Capital Improvement Budget When constructing upcoming budgets, hazard mitigation actions will be funded as budget allows. Construction projects will be evaluated to see if they meet the hazard mitigation goals and objectives.		X		X
Human Resource Manual Employee job descriptions may contain hazard mitigation actions.		X	X	X
Building and Zoning Ordinances Prior to land use, zoning changes, or development permitting, the municipality will review the hazard mitigation plan and other hazard analyses to ensure consistent and compatible land use.		X	X	X
Comprehensive Land Use Plan When applicable, the municipality will incorporate hazard mitigation actions in the development and extent of the regulations.		X	X	X
Grant Applications Data and maps will be used as supporting documentation in grant applications.		X		X
Municipal Ordinances When updating municipal ordinances, hazard mitigation will be a priority.		X		X
Fire Plan The Hazard Mitigation Plan will be used as a resource for the development of future Fire Plans.		X		X
Capital Improvement Planning The municipality will establish a protocol to review current and future projects for hazard vulnerability. The municipality will incorporate hazard-resistant construction standards into the design and location of projects.		X		X
Day-to-Day Operations The municipality will incorporate hazard mitigation actions in daily operations and all projects.		X	X	X
Local School Service Projects The municipality will work closely with the local school district and assist with community service projects for the service organizations. Several of the municipality's		X		X

Status of Incorporation of Mitigation Planning into Existing and Future Planning Mechanisms				
Planning Mechanisms	Reported Utilization (2009-2014)	Planned Utilization (2014-2019)	Reported Utilization (2014-2019)	Planned Utilization (2019-2024)
hazard mitigation actions can be implemented as a joint project with the school district.				
Municipal Budget Adopted annually, the municipality will look at mitigation actions when allocating funding.		X	X	X
Economic Development The local economic development group will take into account information regarding identified hazard areas when assisting new businesses in finding a location.		X		X

9.2.12 ADDITIONAL COMMENTS

There are no additional comments at this time.

9.2.12 NFIP ADMINISTRATOR INPUT

The Township provided the following NFIP Administrator Input in 2018, for inclusion in the 2019 HMP.

Adoption Date of your Current Floodplain Management Ordinance	Date of Entry into NFIP ¹	Position or Title of Your Jurisdiction's Designated Floodplain Manager/Administrator (may also be called NFIP Coordinator)		Is this person is a Certified Floodplain Manager?	Is floodplain management an auxiliary function?	Is your community in good standing with the NFIP?	
2007	1/5/84	Paul Ferriero / Township Engineer		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Provide an explanation of NFIP administration services (i.e., permit review, GIS, education or outreach, inspections, engineering capability, etc.):							
Permit review, construction oversight/inspections, GIS, maintain file of building elevation certificates, assist/advise the public on NFIP program.							
Describe barriers to running an effective NFIP program in the community (if applicable):							
None							
When was most recent FEMA Community Assistance Visit (CAV) or Community Assistance Contact (CAC)?*	Is a CAV or CAC scheduled or needed?	Does the current floodplain management ordinance exceed FEMA or State minimum requirements? If so, describe how.	Is training of staff regarding NFIP issues planned?	Does your community intend to continue to enforce the floodplain management requirements including regulating new construction in Special Flood Hazard Areas (SFHAs)?	Does your community participate in the CRS? If so, state your Class.	Does your community intend to continue its participation in the CRS program?	If your community is not currently participating in the CRS program, are you intending to initiate the process during the next planning cycle?
2013	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No * Class ___	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
*Describe any outstanding compliance issues (i.e., current violations):							
None							

SECTION 9.2: TOWNSHIP OF BEDMINSTER

Provide an explanation of your local floodplain permitting process:								
Development permit applications are granted or denied by the floodplain administrator in accordance with the provisions of the floodplain management ordinance (Bedminster Ordinance No. 07-16).								
Does your community intend to continue floodplain identification and mapping services including any local requests for map updates?	Does your community intend to initiate/continue the buyouts of repetitive loss properties?	Does your community intend to commit staff or resources to improve local mapping or code administration in the future?	Does your community intend to provide local outreach to promote the sale of flood insurance?	Does your community intend to participate in RiskMAP meetings and planning initiatives?	Does your community intend to continue to implement structural improvements to mitigate against flooding - culverts, drainage basins, etc.?	Does your community intend to continue to implement home improvement programs designed to minimize basement flooding?	Does your community intend to continue to implement roadway improvements to reduce damage from future flooding events?	Does your community intend to implement plans and programs in coordination with a local or regional drainage/sewer authority?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Does your community intend to adopt the new FEMA Advisory Base Flood Elevations?	As Floodplain Manager, did you (or your predecessor at the time) actively participate in the development of the initial Hazard Mitigation Plan?		As Floodplain Manager, are you actively participating in the development of this Hazard Mitigation Plan Update?		Have there been any changes to your community's local floodplain management program since the last version of the plan in 2009?			
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes * <input checked="" type="checkbox"/> No			
* If you answered "yes", that there have been changes to your local program since 2009, please describe:								
N/A								
Provide a description of your community assistance and monitoring activities:								
Provide guidance in response to resident inquiries regarding floodplains and flooding. Periodic monitoring to check for any unpermitted activities.								
NFIP participating communities are required to update/revise their floodplain management ordinance to ensure that it complies with the latest FEMA regulations. Will your community continue to commit to this program requirement?					NFIP participating communities are also required to update/revise their floodplain management ordinance to be consistent with the latest FIRMs. Will your community continue to commit to this program requirement?			
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			