



SOMERSET COUNTY

HAZARD MITIGATION PLAN

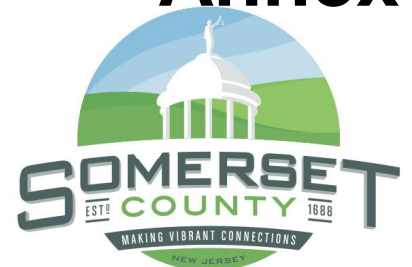
SOMERSET COUNTY MULTI-JURISDICTIONAL HAZARD MITIGATION PLAN

FINAL PLAN UPDATE
JULY 2019

www.co.somerset.nj.us/hmp

Section 9.16: Borough of Peapack and Gladstone Annex

*Prepared by the Somerset County
Mitigation Planning Committee*



9.16 Borough of Peapack-Gladstone

This section presents the jurisdictional annex for the Borough of Peapack-Gladstone (hereinafter referred to as Peapack-Gladstone or the Borough).

9.16.1 HAZARD MITIGATION PLAN POINTS OF CONTACT

Hazard Mitigation Plan Points of Contact					
Primary Point of Contact			Alternate Point of Contact		
Name: Kingsley Hill, OEM Coordinator Address: PO Box 156, 10 Tiger Hill Drive, Peapack, NJ 07977 Phone Number: 908-234-0972 Fax Number: 908-234-9683 E-mail Address: khill@peapackgladstone.org			Name: Scott Hanna, DPW Director, Borough Administrator Address: PO Box 156, 10 Tiger Hill Drive, Peapack, NJ 07977 Phone Number: 908-268-2768 Fax Number: 908-234-9683 E-mail Address: shanna@peapackgladstone.org		
Municipal HMP Committee Members					
Local Jurisdiction Role/Position	Name	Email	Phone	Date Notified About Mitigation Plan Development Process	Agreed to participate? (Yes/No)
Land Use/Community Planner	John Szabo	JS@burgis.com	201-666-1811	11/3/2017	yes
Emergency Manager	Kingsley Hill	khill@peapackgladstone.org	908-234-0972	11/3/2017	yes
Floodplain Manager/ Floodplain Administrator	Chris Tietjen	ctietjen@peapackgladstone.org	908-234-2250	11/3/2017	yes
Public Works Director / City Engineer	Scott Hanna	shanna@peapackgladstone.org	908-268-2768	11/3/2017	yes
Building Code Official	Jim Fania	jfania@peapackgladstone.org	908-500-4964	11/3/2017	yes
Fiscal/Budget Officer	Mary Robinson	mrobinson@peapackgladstone.org	908-234-2250x102	11/3/2017	yes
Manager/Administrator	Randy Bahr (until mid Nov), Chris Tietjen	rbahr@peapackgladstone.org	908-234-2250x101	11/3/2017	yes
Elected Officials					
Other 1:	Bill Simpson	wsimpson@peapackgladstone.org	908-439-3155	11/3/2017	
Other 2:	Bill Muller	wmuller@peapackgladstone.org	908-234-2250x100	11/3/2017	yes

9.16.2 PROFILE

9.16.2.1 Population

The population of Peapack-Gladstone is estimated to be 2,582, based on information gathered during the 2010 U.S. Census. Census population estimates of July 2017 indicated a total population of 2,610.

9.16.2.2 Location

The Borough is located in northwestern Somerset County, 40 miles west of New York City. U.S. Highway Route 206 travels north to south through the Borough. The township of Bedminster borders to the west, Far Hills to the south, Bernardsville to the east, and Morris County to the north.

9.16.2.3 Brief History

Peapack-Gladstone was incorporated as a borough by an Act of the New Jersey Legislature on March 28, 1912, from portions of Bedminster Township, based on the results of a referendum held on April 23, 1912. Peapack is believed to have been derived from "Peapackton", a Lenape Native American term meaning "marriage of the waters", a reference to the confluence of the Peapack Brook and Raritan River in the area. Gladstone was named in honor of William Ewart Gladstone, who served as British Prime Minister several times between 1868 and 1894.

9.16.2.4 Governing Body Format

The Borough's government is a weak mayor-strong council plan. The mayor is elected at large and serves a term of four years. The Borough Council consisted of six members elected at large; serving a term of three years.

9.16.2.5 Growth/Development Trends

The Borough of Peapack-Gladstone did not note any major residential or commercial development or any major infrastructure development planned for the next 5 years in the municipality (updated in 2018).

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

To protect new development and substantial improvements from the effects of natural hazards, the Borough Land Use Master Plan is updated regularly to consider hazards. Master Plan updates are typically codified in borough ordinances.

9.16.3 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 the 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 1.93 inches in Peapack-Gladstone.
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

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Natural Hazard Event History (2014 to the present)				
Type of Event	FEMA Disaster # (if applicable)	County Designated?	Date	Approximate Damage Assessment
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
Flash Flood	N/A	N/A	August 21, 2014	No local damage reported
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	Event precipitation totals included 1.45 inches in Peapack.
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

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Natural Hazard Event History (2014 to the present)				
Type of Event	FEMA Disaster # (if applicable)	County Designated?	Date	Approximate Damage Assessment
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 Heat	N/A	N/A	April 2015 – September 2015	No local damage reported
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	Heavy rainfall along with strong to severe thunderstorms in the area. Two and a half inches of rain fell in Peapack.
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

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Natural Hazard Event History (2014 to the present)				
Type of Event	FEMA Disaster # (if applicable)	County Designated?	Date	Approximate Damage Assessment
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
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 Bellmar, 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

Natural Hazard Event History (2014 to the present)				
Type of Event	FEMA Disaster # (if applicable)	County Designated?	Date	Approximate Damage Assessment
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	Although all portions of the county experienced significant snowfall from this event, the higher amounts (around one and one half feet) occurred in the eastern sections of the county closer to the off shore low pressure system. Thundersnow also occurred in a few locations.

Note:

DR = Major Disaster Declaration

EM = Emergency Declaration

N/A = Not applicable

9.16.4 NATURAL HAZARD RISK/VULNERABILITY RISK RANKING

The table below summarizes the vulnerability risk rankings of potential hazards of Peapack-Gladstone (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: \$17,500,000 0.2% Annual Chance: \$33,000,000	Frequent	18	Medium
Severe Storm	100-Year MRP: \$233,961 500-Year MRP: \$713,912 Annualized Loss: \$8,801	Frequent	30	Medium
Severe Winter Storm	1% of GBS: \$5,644,190 5% of GBS: \$28,220,950	Frequent	27	Medium
Earthquake	500-Year MRP: \$1,060,882 2,500-Year MRP: \$15,231,679 Annualized Loss: \$16,178	Occasional	12	Low
Drought	Not available	Occasional	20	Medium
Extreme Temperature	Not available	Frequent	18	Medium
Wildfire	Not available	Occasional	32	High

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.

9.16.5 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.

9.16.5.1 Legal and Regulatory Capability

The table below summarizes the regulatory tools that are available to the Borough of Peapack-Gladstone. The Borough has reviewed its feedback from the 2014 HMP and has updated any information that has changed since that time.

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 Office	2015 IBC, adopted 9/8/15
2) Zoning Ordinance	Y	Zoning Office	Ordinance # 751
3) Subdivision Ordinance	Y	Zoning Office, Land Use Board	Ordinance # 751; 7/14/98
4) NFIP Flood Damage Prevention Ordinance	Y	Administration, Engineer	Ordinance # 899, Flood Damage Prevention Ordinance; 7/24/07
4a) Cumulative Substantial Damages	-	-	-
4b) Freeboard	-	-	-
5) Growth Management	Y	Land Use Board	2/16/05,9/1/05
6) Floodplain Management / Basin Plan	Y	-	Ordinance #751; 7/14/98
7) Stormwater Management Plan/Ordinance	Y	Engineer	Ordinance # 865; 5/24/05
8) Comprehensive Plan / Master Plan/ General Plan	Y	-	Master Plan; 2/16/05 9/1/05, Re-Examined 1/29/15
9) Capital Improvements Plan	Y	Administration	Municipal Budget; 3/14/2017
10) Site Plan Review Requirements	Y	-	Ordinance # 751;
11) Open Space Plan	Y	Open Space Advisory Committee	Ordinance #754; 3/9/1999, Plan Update 3/2011
12) Stream Corridor Management Plan	-	-	-
13) Watershed Management or Protection Plan	-	-	-
14) Economic Development Plan	-	-	-

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)
15) Comprehensive Emergency Management Plan	Y	OEM	EOP; 2/28/16
16) Emergency Response Plan	Y	OEM	EOP; 2/28/16
17) Post-Disaster Recovery Plan	Y	OEM	EOP; 2/28/16
18) Post-Disaster Recovery Ordinance	-	-	-
19) Real Estate Disclosure Requirement	-	-	-
20) Other (Special Purpose Ordinances such as critical or sensitive areas)	-	-	-

9.16.5.2 Administrative and Technical Capability

The table below summarizes potential staff and personnel resources available to Peapack-Gladstone. The Borough has reviewed its feedback from the 2014 HMP and has updated any information that has changed since that time.

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	Borough Planner – John Szabo (Burgis Associates, Inc.) Borough Engineer-William Ryden (Anderson & Denzler)
2) Engineer(s) or Professional(s) trained in construction practices related to buildings and/or infrastructure	Y	William Ryden, Borough Engineer
3) Planners or engineers with an understanding of natural hazards	Y	William Ryden, Borough Engineer
4) NFIP Floodplain Administrator	Y	William Ryden, Borough Engineer
5) Surveyor(s)	Y	William Ryden, Borough Engineer
6) Personnel skilled or trained in GIS applications	Y	William Ryden, Borough Engineer
7) Scientist familiar with natural hazards	N	-
8) Emergency Manager	Y	Kingsley Hill-Coordinator Gregory Skinner - Deputy Scott Hanna-Deputy
9) Grant Writer(s)	Y	Finance Department
10) Staff with expertise or training in benefit/cost analysis	Y	Administration Finance Department

9.16.5.3 Fiscal Capability

The table below summarizes financial resources available to the Borough of Peapack-Gladstone. The Borough has reviewed its feedback from the 2014 HMP and has updated any information that has changed since that time.

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
5) Impact fees for homebuyers or developers of new development/homes	Unsure
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	Unsure
10) State mitigation grant programs	Unsure
11) Other	-

9.16.5.4 Overall Capabilities

Borough of Peapack-Gladstone'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
Moderate	High	Moderate	Moderate	High
How these capabilities can be expand and/or improved to reduce risk				
<p>The Borough of Peapack-Gladstone has a strong willingness to do the "right things" for its residents. Our governing body and officials are responsive when a regulatory or legal solution can reduce or mitigate risk. As a community with relatively little vulnerability to natural disasters we are well prepared. Any remaining unmitigated risk is simply a matter of financial practicality. The remaining mitigatable, yet unmitigated risk in the Borough is a loss of utilities due to wind, tree, or other damage as much of our utility outside plant is suspended on aging poles. The cost of undergrounding is very high against frequent yet relatively low impact events.</p>				

9.16.5.5 Community Classifications

The table below summarizes classifications for community program available to the Borough of Peapack-Gladstone. The Borough has reviewed its feedback from the 2014 HMP and has updated any information that has changed since that time.

Community Classifications		
Program	Classification	Date Classified
Community Rating System (CRS)	NP	-
Building Code Effectiveness Grading Schedule (BCEGS)	3/3	10/18/10
Public Protection	4/4X	9/1/14
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 Borough'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/>

9.16.6 MITIGATION STRATEGY

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

9.16.6.1 Past Mitigation Actions/Status

The status of all 2014 HMP initiatives was evaluated by the Borough of Peapack-Gladstone 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.

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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	
PG1 (PG2)	Clear debris from streams.	Medium	Flooding	Borough DPW	X				Completed.	X	Completed.	
PG2 (PG5)	Promote public awareness of hazard event mitigation and emergency response.	Medium	All	County/ Borough			X		Ongoing process. Public is generally apathetic and uninterested in mitigating hazards unless they feel there is a probability that they'll directly impact them.	X	No Change.	
PG3 (PG6)	Review and maintain mutual aid agreements with neighboring communities.	Medium	All	Borough Emergency Management			X		Continuing to maintain Mutual Aid agreements.	X	No significant change. Still providing presence at community events, speaking at council meetings, etc.	
PG4 (PG7)	Review, implement, and enforce town's policies and programs to prevent trees from threatening lives and impacting power availability/interruption while working with utility providers.	Medium	Severe Storm; Severe Winter Storm	Borough DPW , Borough Engineer			X		No barriers. Just growing trees.	X	No Change.	

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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	
PG5	Conduct and facilitate community and public education and outreach for residents and businesses.	High	All Hazards	Borough Emergency Management			X		Continuing process.	X		No significant change. Still providing presence at community events, speaking at council meetings, etc.
PG6	Incorporate ordinances and/or zoning restrictions to control and mitigate future development in hazard areas through master planning .	Medium	All Hazards	Borough Emergency Management			X		Continuing process.	X		No Change.
PG7	Improve communication systems.	Medium	All Hazards	Borough Engineer	X				Completed.		X	Completed.
PG8	Develop programs/procedures to capture and archive loss data from events through Borough master Planning and permitting processes.	Medium	All Hazards	Borough Emergency Management			X		Continuing process.	X		No Change.
PG9	Continue to obtain and install backup power sources at critical facilities.	Medium	All Hazards	Borough Emergency Management	X				Critical Municipal Facilities are all power protected. (Sewerage pumping station is wrapping up this quarter).		X	Completed.

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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	
PG10	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.	Medium	All Hazards	Borough Emergency Management			X		Continuing process.	X		No Change.
PG11	Support ongoing updates of Comprehensive Emergency Management Plans at quarterly working group meetings.	High	All Hazards	Borough Emergency Management			X		Continuing process.	X		No Change.
PG12	Create/Enhance/Maintain Mutual Aid agreements with neighboring communities for continuity of operations through quarterly working group meetings.	High	All Hazards	Borough Emergency Management			X		Continuing process.	X		No Change.
PG13	Work to enhance damage assessment capabilities at the local level through ongoing emergency management activities.	Medium	All Hazards	Borough Emergency Management, Borough Engineers			X		Continuing process.	X		No Change.

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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	
PG14 (PG10)	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	Borough Engineer			X		Continuing process.	X		No Change.
PG15 (PG9)	Maintain compliance with and good-standing in the NFIP including adoption and enforcement of floodplain management through Borough master planning processes.	High	Flood, Severe	Borough Engineer			X		Continuing process.	X		Appointment of flood plain administrator as required through personnel changes.
PG16	Obtain and archive elevation certificates through floodplain administrator.	High	Flood, Severe Storm	Borough Engineer			X		Continuing process.	X		No Change.
PG17	Promote the participation of Floodplain Administrators within the planning process and other activities.	Medium	Flood	Borough Engineer			X		Continuing process.	X		No Change.
PG18	Continue to encourage the use of undergrounding utilities in new developments.	H	Severe Storm	Borough Engineer			X		Continuing process.	X		No Change.

9.16.6.2 Hazard Vulnerabilities Identified

It is estimated that in Peapack-Gladstone, 86 residents live within the 1% annual chance flood area (NFIP Special Flood Hazard Area). \$276,160,000 (28.8%) of the municipality's general building stock replacement cost value (structure and contents) is located within the 1% annual chance flood area.

There are 31 NFIP policies in the community and there are 21 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, \$17,500,000 (1.82%) of the municipality's general building stock replacement cost value (structure and contents) will be damaged, 247 households may be displaced, 134 people may seek short-term sheltering, and an estimated 250 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)
Peapack Gladstone (B)	31	11	\$242,058	1	-	21	1	9

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 Borough of Peapack-Gladstone).
- (3) The policy locations used are based on the latitude and longitude provided by FEMA Region 2.

HAZUS-MH critical facility damage estimates for Peapack-Gladstone 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⁾
Peapack Gladstone PS	Peapack Gladstone (B)	Potable Water	x	x	-	-	-	-	-	-
Pump Station	Peapack Gladstone (B)	WW	x	x	-	-	-	-	-	-
DPW	Peapack Gladstone (B)	DPW		x	-	-	-	-	-	-
DPW	Peapack Gladstone (B)	DPW	x	x	-	-	-	27.4	29.0	NP

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
- NP = Not provided by HAZUS
- B = Borough
- PS = Pump Station
- WW = Wastewater
- DPW = Department of Public Works

- (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.

9.16.7 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 Borough of Peapack-Gladstone 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 Borough 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
PG1 [PG2 (PG5)]	Public Outreach and Education	Promote public awareness of hazard event mitigation and emergency response.	Carried Forward	Both	All	5,13	County/ Borough	Low	Low	Operating Budget	Short	Medium	Capability, PR PE	Ongoing process. Public is generally apathetic and uninterested in mitigating hazards unless they feel there is a probability that they'll directly impact them.
PG2 [PG3 (PG6)]	Mutual Aid Agreements	Review and maintain mutual aid agreements with neighboring communities.	Carried Forward	Existing	All	3,7	Borough Emergency Management	Medium	Low	Operating Budget	Short	Medium	Capability, PR ES	Ongoing. Continuing to maintain Mutual Aid agreements.
PG3 [PG4 (PG7)]	Tree Management Mitigation	Review, implement, and enforce town's policies and programs to prevent trees from threatening lives and impacting power availability/ interruption while working with utility providers.	Carried Forward	Both	Severe Storm; Severe Winter Storm	2,3,5,8	Borough DPW , Borough Engineer	Medium	Low	Operating Budget	Short	Medium	Capability, PR	Ongoing. No barriers; just growing trees.
PG4 [(PG5)]	Public Outreach and Education	Conduct and facilitate community and public education and outreach for residents and businesses.	Carried Forward	N/A	All Hazards	5,13	Borough Emergency Management	Medium	Medium	Operating Budget	Short Term	Medium	Capability, PE	Ongoing; continuing process.
PG5 [(PG6)]	All Hazards Mitigation	Incorporate ordinances and/or zoning restrictions to control and mitigate future development in hazard areas through master planning.	Carried Forward	N/A	All Hazards	8,9	Borough Emergency Management	Medium	Medium	Operating Budget	Long Term	Medium	Capability, PR	Ongoing; continuing process.

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Proposed Hazard Mitigation Initiatives														
2019 Initiative Number	Initiative Name	Initiative Description	New Initiative 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
PG6 [(PG8)]	Archive Loss Data	Develop programs/procedures to capture and archive loss data from events through Borough master Planning and permitting processes.	Carried Forward	N/A	All Hazards	1	Borough Emergency Management	Medium	Medium	Municipal Budget	Long Term	Medium	Capability, PR	Ongoing; continuing process.
PG7 [(PG10)]	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.	Carried Forward	N/A	All Hazards	1,3	Borough Emergency Management	Medium-High	Medium-High	FEMA Mitigation Grant Programs with local match	Long Term	Medium	Capability, PR	Ongoing; continuing process.
PG8 [(PG11)]	Emergency Management Plan	Support ongoing updates of Comprehensive Emergency Management Plans at quarterly working group meetings.	Carried Forward	New and Existing	All Hazards	8,9	Borough Emergency Management	Low	Low	Municipal Budget	On-going	High	Capability, PR	Ongoing; continuing process.
PG9 [(PG12)]	Mutual Aid Agreement	Create/Enhance/Maintain Mutual Aid agreements with neighboring communities for continuity of operations through quarterly working group meetings.	Carried Forward	N/A	All Hazards	3,7	Borough Emergency Management	Medium	Low	Municipal Budget	Short Term	High	Capability, PR, ES	Ongoing; continuing process.
PG10 [(PG13)]	Damage Assessment	Work to enhance damage assessment capabilities at the local level through ongoing emergency management activities.	Carried Forward	N/A	All Hazards	1	Borough Emergency Management, Borough Engineers	Medium	Medium	Municipal Budget	Short-Long Term DOF	Medium	Capability, PR	Ongoing; continuing process.
PG11 [PG14 (PG10)]	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	Borough Engineer	High	Low – High (for 5 year update)	Municipal Budget	On-going	High	Capability, PR	Ongoing; continuing process.
PG12 [PG15 (PG9)]	National Flood Insurance Program	Maintain compliance with and good-standing in the NFIP including adoption and enforcement of floodplain management through Borough master planning processes.	Carried Forward	N/A	Flood, Severe Storm	4	Borough Engineer	High	Low-Medium	Municipal Budget	Ongoing	High	Capability, PR, PE	Ongoing; continuing process.
PG13 [(PG16)]	Elevation Certificates	Obtain and archive elevation certificates through floodplain administrator.	Carried Forward	N/A	Flood, Severe Storm	1	Borough Engineer	Medium	Low	Municipal Budget	On-going	High	Capability, PR	Ongoing; continuing process.
PG14 [(PG17)]	Flood Mitigation	Promote the participation of Floodplain Administrators within the planning process and other activities.	Carried Forward	N/A	Flood	4	Borough Engineer	Medium	Medium	Municipal Budget	Short	Medium	Capability, PR	Ongoing; continuing process.

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Proposed Hazard Mitigation Initiatives														
2019 Initiative Number	Initiative Name	Initiative Description	New Initiative 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
PG15 [(PG18)]	Utilities and New Development	Continue to encourage the use of undergrounding utilities in new developments.	Carried Forward	N/A	Severe Storm	1,2,4,8	Borough Engineer	Medium	Low	Municipal Budget	Short	High	Capability, PR	Ongoing; continuing process.
PG16	Promotion of Existing Utility Undergrounding	Work with local utilities to determine feasibility, cost, and time frame to underground many of the boroughs existing overhead utilities. Phase 1 would be to evaluate feasibility. Phase 2 would be to implement the project.	New Initiative	Existing	All	1,2,4,8	OEM Coordinator	High	High	Phase 1 will be locally funded. Phase 2 Implementation if determined feasible will be publicly and privately funded.	Phase 1 should occur with 12-18 months. The undergrounding project may require 20 years.	Medium	Action/Project, PR	New Initiative
PG17*	Assessment of Risk of Land Subsidence and Propose Remedy	Assessment of risk of land subsidence (sink holes) within borough and if risk is identified, develop a mitigation plan.	New Initiative	New and Existing	Potential Land Subsidence	1,4,8	OEM Coordinator	High	Medium	Grants and some local funding	Short	Medium	Action/Project, PR	New Initiative

Notes:

*Action PG17 was added as a result of public comment requesting more detailed assessment. An occurrence in the municipality was first noted at the end of the current plan update process when a public comment was received and public concern was expressed for the municipality to conduct further evaluation over the 2019-2024 plan maintenance phase. In turn, an action was added to address this comment. Pending the results of the detailed study in Peapack-Gladstone, the Steering Committee will evaluate whether land subsidence should be profiled as a significant hazard in the 2024 plan update.

* 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.

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

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.

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.

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, 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.

9.16.8 PRIORITIZATION OF MITIGATION INITIATIVES

The table below summarizes the priority levels for each mitigation initiative, listed by number. Again, please note that the Borough 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)
PG1 [PG2 (PG5)]	2	L	L	Y	Y	Y	H
PG2 [PG3 (PG6)]	1	M	L	Y	N	Y	M
PG3 [PG4 (PG7)]	4	M	L	Y	Y	Y	H
PG4 [(PG5)]	2	M	M	Y	Y	Y	H
PG5 [(PG6)]	2	M	M	Y	N	Y	M
PG6 [(PG8)]	1	M	M	Y	N	Y	M
PG7 [(PG10)]	2	M	M	Y	N	Y	M
PG8 [(PG11)]	2	L	L	Y	N	Y	H
PG9 [(PG12)]	2	M	L	Y	N	Y	H
PG10 [(PG13)]	1	M	M	Y	N	Y	M
PG11 [PG14 (PG10)]	13	M	M	Y	N	Y	H
PG12 [PG15 (PG9)]	1	H	H	Y	Y	N	M
PG13 [(PG16)]	1	H	L-M	Y	N	Y	H
PG14 [(PG17)]	1	M	M	Y	N	Y	M
PG15 [(PG18)]	4	M	L	Y	N	Y	H
PG16	4	H	H	Y	Y	Y	M
PG17	3	H	M	Y	Y	Y	M

Notes:

H = High

L = Low

M = Medium

N = No

Y = Yes

9.16.8.1 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

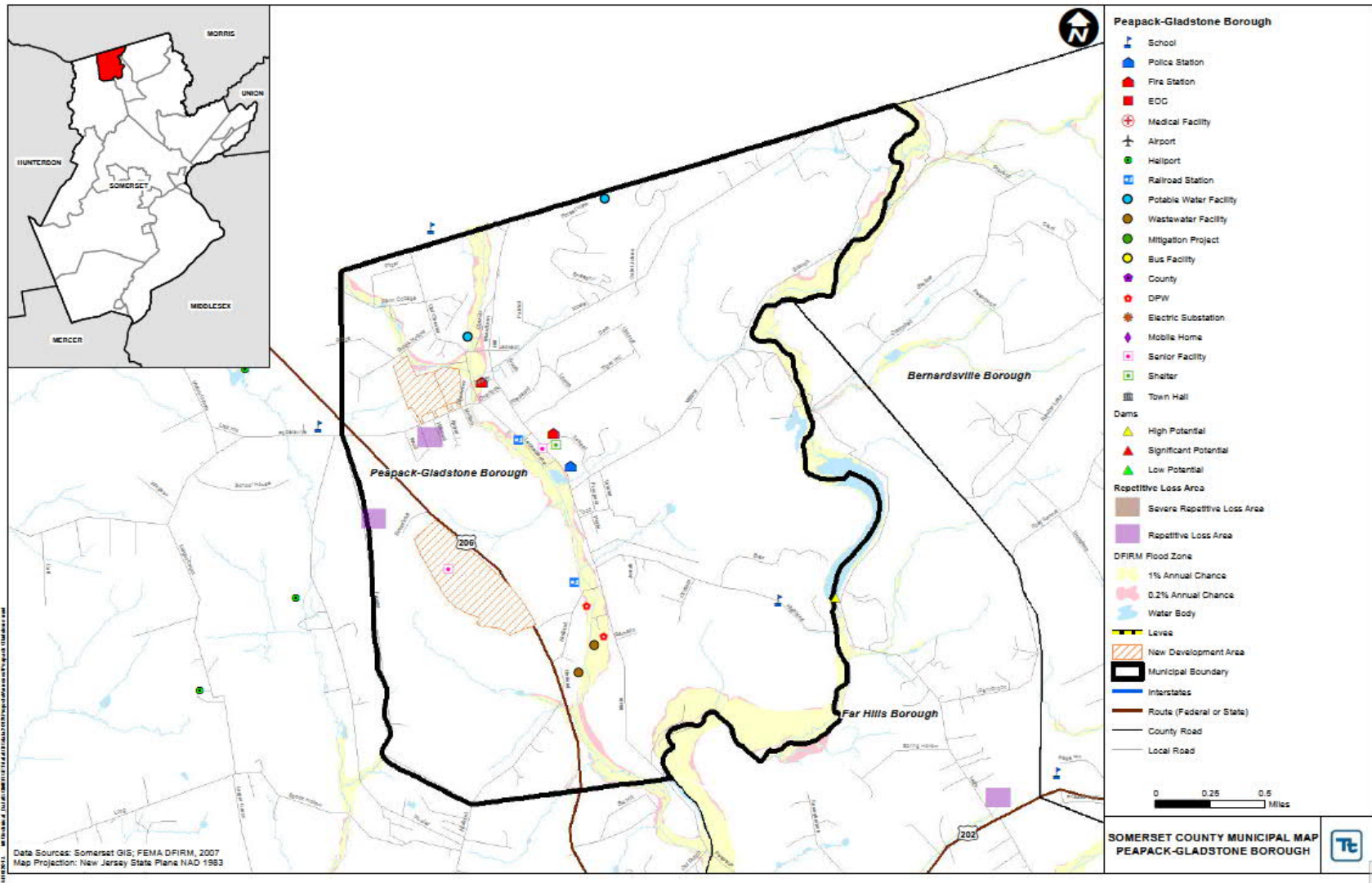
9.16.9 FUTURE NEEDS TO BETTER UNDERSTAND RISK/VULNERABILITY

Peapack-Gladstone has no additional risk vulnerabilities that need to be addressed at this time.

9.16.10 HAZARD AREA EXTENT AND LOCATION

A hazard area extent and location map illustrating the probable areas impacted within Peapack-Gladstone 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 Borough has significant exposure. The planning area maps are provided in the hazard profiles within Section 5.4 of this plan.

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

It is the intention of Peapack-Gladstone 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
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
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
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
Fire Plan The Hazard Mitigation Plan will be used as a resource for the development of future Fire Plans.	-	-	-	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
Day-to-Day Operations The municipality will incorporate hazard mitigation actions in daily operations and all projects.	-	-	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)
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 hazard mitigation actions can be implemented as a joint project with the school district.	-	-	-	X
Municipal Budget Adopted annually, the municipality will look at mitigation actions when allocating funding.	-	-	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

9.16.12 ADDITIONAL COMMENTS

There are no additional comments at this time.

9.16.12 NFIP ADMINISTRATOR INPUT

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 a Certified Floodplain Manager?	Is floodplain management an auxiliary function?	Is your community in good standing with the NFIP?
1999	12/15/77	Borough Administrator			<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
Provide an explanation of NFIP administration services (i.e., permit review, GIS, education or outreach, inspections, engineering capability, etc.):							
Administrative Services include maintaining files of FIRM maps and brochures, responding to public inquiries and update of municipal floodplain ordinances.							
Describe barriers to running an effective NFIP program in the community (if applicable):							
The Borough of Peapack and Gladstone has limited resources available to running an effective NFIP program.							
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?
Unknown	<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 type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
*Describe any outstanding compliance issues (i.e., current violations):							
None known at this time.							

Provide an explanation of your local floodplain permitting process:								
The floodplain permitting process is administered by the Construction Department and Land Use Board.								
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 type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input 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 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 2014?			
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<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			
* If you answered "yes", that there have been changes to your local program since 2009, please describe:								
Not available.								
Provide a description of your community assistance and monitoring activities:								
The Borough does not have a formal program at the current time.								
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				