

Plainfield Township, Northampton County Annex

Hazard Mitigation Plan Points-of-Contact

Primary:

Thomas R. Petrucci
Township Manager
6292 Sullivan Trail, Nazareth, PA 18064
610-759-6944, Extension: 102
manager@plainfieldtownship.org

Alternate:

Sharon Pletchan
Zoning Officer
6292 Sullivan Trail, Nazareth, PA 18064
610-759-6944, Extension: 103
zoning@plainfieldtownship.org

Municipal Profile

Plainfield Township is a rural township located in the northeastern part of Northampton County, on the border with Monroe County. It encompasses an area of approximately 24.8 square miles, and has a population of 6,138 (2010 Census). The township is bordered by Bushkill Township in the west, Upper Nazareth Township and Stockertown Borough in the southwest, Forks Township in the south, Lower Mount Bethel Township in the southeast, Washington Township in the east, Hamilton Township (Monroe County) in the north, and Ross Township (Monroe County) in the northwest. Plainfield Township surrounds Pen Argyl Borough in the northeast part of the township, and nearly surrounds Wind Gap Borough in the northwest part of the township.

No major streams run through or border the township. However, there are numerous small bodies of standing water throughout the township.

PA Route 512 (Moorestown Road / Pennsylvania Avenue / Blue Valley Drive) traverses the township in the township, travelling east-west from Bushkill Township through Wind Gap and Pen Argyl Boroughs and the boroughs in northern Washington Township. PA Route 191 (Bangor Road) also crosses the township, from the southwest corner northeast towards Bangor Borough. Church Road / Delabole Road / State Route 1016 crosses east-west roughly halfway between PA Route 512 and PA Route 191, terminating in Bangor Borough. PA Route 33 weaves north-south into and out of the township along its western border, intersecting with PA Route 512 south of Wind Gap Borough, moving into Bushkill Township, then back into Plainfield Township in its far southwest corner. State Route 115 / Sullivan Trail travels north-south just inside the western border, travelling from Stockertown Borough to PA Route 512 just south of Wind Gap.

Municipal Participation

1. Identify municipal stakeholders to be involved in the planning process such as, floodplain administrator, public works, emergency management, engineers, planners, etc., and include their specific role in the process.

Thomas Petrucci, Township Manager
Role: Coordinator

Alex Cortezzo, Fire Chief
Role: Fire Consultation

Larry Sapone, Road Department Foreman
Role: Institutional Memory – Roads

Sharon Pletchan, Zoning Officer
Role: Floodplain Consultation

A.J. Olszewski, Emergency Management Coordinator
Role: Emergency Management Consultation

Jeff Ott, P.E., Township Engineer
Role: Engineering Consultation

2. Identify community stakeholders such as; neighborhood groups, religious groups, major employers / businesses, etc., that will be informed and / or involved in the planning process and describe how they will be involved.

Waste Management (Grand Central Sanitary Landfill, Inc.) will be consulted in reference to potential community hazards.

ASGCO will be consulted in reference to potential community hazards.

3. Describe how the public **will be engaged** in the current planning process examples, newsletters, social media, etc., **and how they were engaged** since the 2013 Hazard Mitigation Plan.

The Township will utilize newsletters and social media resources where deemed appropriate.

Compliance with the National Flood Insurance Program (NFIP)

Topic	Identify source of information, if different from the one listed.	Additional Comments
1. Staff Resources		
Is the Community Floodplain Administrator (FPA) or NFIP Coordinator certified?	Community FPA	No
Is floodplain management an auxiliary function?	Community FPA	Plainfield does employ a Township Engineer in order to ensure that the local FPA is adhering to all requirements, including base flood elevation calculations.
Provide an explanation of NFIP administration services (e.g., permit review, GGIS, education or outreach, inspections, engineering capability)	Community FPA	The Township utilizes GIS and employs a Township Engineer who is proficient in floodplain management issues.
What are the barriers to running an effective NFIP program in the community, if any?	Community FPA	There are no known barriers, to the best of the knowledge and understanding of Plainfield Township officials.
2. Compliance History		
Is the community in good standing with the NFIP?	State NFIP Coordinator, FEMA NFIP Specialist, or community records	Yes, to the best of the knowledge and understanding of Plainfield Township officials.
Are there any outstanding compliance issues (i.e., current violations)?		Not at this time.
When was the most recent Community Assistance Visits (CAV) or Community Assistance Contact (CAC)?		None
Is a CAV or CAC scheduled or needed?		Not at this time.
3. Regulation		
When did the community enter the NFIP?	NFIP Community Status Book	Initial FHBM was 9/13/1974; initial FIRM was 1/16/1980
Are the Flood Insurance Rate Maps (FIRMs) digital or paper? How are residents assisted with mapping?	Community FPA	Paper and Digital – Residents are provided GIS overlays or Firmettes, as is determined necessary by the FPA / Township Manager.
Do floodplain regulations meet or exceed FEMA or State minimum requirements? If so, in what ways?	Community FPA	Floodplain regulations meet or exceed minimum FEMA / State minimum requirements.
Describe the permitting process	Community FPA, State, FEMA NFIP	Applicants are required to submit a permit directly to the Township as delineated by adopted Ordinance.

Compliance with the National Flood Insurance Program (NFIP) – *continued*

Topic	Identify source of information, if different from the one listed.	Additional Comments
4. Insurance Summary		
How many NFIP policies are in the community? What is the total premium and coverage?	State NFIP Coordinator or FEMA NFIP Specialist	9 for a total of \$1,938,600.
How many claims have been paid in the community? What is the total amount of paid claims? How many substantial damage claims have there been?	FEMA NFIP or Insurance Specialist	None
How many structures are exposed to flood risk within the community?	Community FPA or GIS Analyst	The precise number of structures is not known at this time. Assistance is requested.
Describe any areas of flood risk with limited NFIP policy coverage	Community FPA or FEMA Insurance Specialist	This information is not know at this time. Assistance is requested.
5. Community Rating System (CRS)		
Does the community participate in CRS?	Community FPA, State, or FEMA NFIP	No
If so, what is the community's CRS Class Ranking?	Flood Insurance Manual (http://www.fema.gov/floodinsurancemanual.gov)	
What categories and activities provide CRS points and how can the Class be improved?		
Does the plan include CRS planning requirements?	Community FPA, FEMA CRS Coordinator, or ISO representative	

Community Assets

Community assets are defined to include anything that is important to the character as well as the function of a community, and can be described in four categories, they are; people, economy, natural environment and built environment. Please identify the community assets and location under each category.

1. People

- Concentrations of vulnerable populations such as the elderly, physically or mentally disabled, non-English speaking, and the medically or chemically dependent.

Hospitals – None

Nursing Homes – Chandler Estates

Group Homes – Northwestern Human Services (NHS)

Utilities / Public Works – Plainfield Township Road Department

Personal Care Homes – Chandler Estates

Child Care Centers / Homes –

Kids Campus Nursery & Daycare

The Learning Locomotion 2

God's Love Pre-School @ St. Peter's Church

- Types of visiting populations where large numbers of people are concentrated such as visitors for special events and students.

Wind Gap Elementary School

Plainfield Elementary School

Pen Argyl Area School District Administrative Office

2. Economy

Major employers, primary economic sectors such as agriculture and commercial centers where losses would have a severe impact on the community.

ASGCO

Waste Management

Community Assets – *continued*

3. Natural Environment

Those areas / features that can provide protective functions that reduce the magnitude of hazard events such as, wetlands or riparian areas, and other environmental features important to protect.

Little Bushkill Creek (HQ-CWF)

Waltz Creek (HQ-CWF)

Mud Run Creek (CWF)

Streams and areas situated within the special flood hazard district, as well as hilly terrain during winter weather emergencies.

4. Built Environment

- Existing structures such as, concentrations of buildings that may be more vulnerable to hazards based on location, age, construction type and / or condition of use.

Existing structures built in low-lying areas or within the Special Flood Hazard Area (predating any ordinance) are susceptible to flooding within Plainfield Township.

- Infrastructure systems such as water and wastewater facilities, power utilities, transportation systems, communication systems, energy pipelines and storage.

Plainfield Township features the following infrastructure systems:

Natural gas pipelines (Transco / Williams)

Telephone / Cable / Fiber-Optic lines

Met-Ed / PPL Utility Easements

Pennsylvania American Water

Wind Gap Municipal Authority

52.15 miles of local roads maintained by the Township (Arterial / Collector / Local Roads)

34.23 miles of state roads maintained by PennDOT

Numerous culverts owned and maintained by Northampton County

Culverts owned and maintained by PennDOT

Culverts owned and maintained by Plainfield Township

Community Assets – *continued*

- High potential loss facilities such as, dams, locations that house hazardous materials, military and / or civilian defense installations.

- ASGCO
 - Waste Management
 - RPM Metals, LLC

- Critical facilities such as, hospitals, medical facilities, police and fires stations, emergency operations centers, shelters, schools and airports / heliports.

- Wind Gap Elementary School
 - Plainfield Elementary School
 - Pen Argyl Area School District Administrative Office

- Cultural / historical resources such as, museums, parks, stadiums, etc.

- Plainfield Township Community Park
 - Plainfield Township Municipal Park
 - Plainfield Township Recreation Trail
 - Big Offset Barron
 - Agriculture (prime agricultural soils – Class I, II and III)
 - Former slate quarries
 - Remnants of the slate / rail industries
 - State Game Lands No. 168
 - Appalachian Trail (Blue Mountain)

Capability Assessment

Capability	✓ Regulatory ✓ Tools ✓ Programs	Status			Department / Agency Responsible	Effect on Hazard Loss Reduction: -Supports -Neutral -Hinders	Change since 2013 Plan? + Positive - Negative	Has the 2013 Plan been integrated into the Regulatory Tool/Program ? If so, how?	How can these capabilities be expanded and improved to reduce risk?	Additional Comments
		In Place	Date Adopted or Updated	Under Development						
1. Planning & Regulatory	Comprehensive Plan	X	9/2004	X	Planning	S	+	No		
	Capital Improvement Plan			X	Administration / Board	S	+	No		
	Economic Development Plan							No		
	Continuity of Operations Plan							No		
	Stormwater Management Plan / Ordinance	X	3/2005		Planning	S		No		
	Open Space Management Plan (or Parks/Rec., Greenways Plan)	X	12/2021		Planning	N		No		
	Natural Resource Protection Plan							No		
	Transportation Plan							No		
	Historic Preservation Plan									
	Floodplain Management Plan									
	Farmland Preservation	X			Board / Environmental Advisory Council	N	+			
	Evacuation Plan									
	Disaster Recovery Plan									

Capability Assessment – continued

Capability	✓ Regulatory ✓ Tools ✓ Programs	Status			Department / Agency Responsible	Effect on Hazard Loss Reduction: -Supports -Neutral -Hinders	Change since 2013 Plan? + Positive - Negative	Has the 2013 Plan been integrated into the Regulatory Tool/Program ? If so, how?	How can these capabilities be expanded and improved to reduce risk?	Additional Comments
		In Place	Date Adopted or Updated	Under Development						
1. Planning & Regulatory	Hazard Mitigation Plan	X	10/2018			S		N/A		
	Emergency Operations Plan	X	12/2019		Emergency Operations Coordinator	S	+			
	Zoning Regulations	X	revised in 2021		Zoning	S	+			
	Floodplain Regulations	X	6/2014		Zoning	S	+			
	NFIP Participation	X	1974		Zoning	S				
	Building Code	X	2004		Administration	S				
	Fire Code	X	2004		Administration	S				
	Other									

Capability Assessment – continued

Capability	<ul style="list-style-type: none"> ✓ Staff ✓ Personnel ✓ Resources 			Department / Agency	Change since 2013 Plan? + Positive - Negative	How can these capabilities be expanded and improved to reduce risk?	Additional Comments
		Yes	No				
2. Administrative & Technology	Planners (with land use / land development knowledge)	X		Planning / Zoning	Y		URDC / Ott Consulting
	Planners or engineers (with natural and / or human-caused hazards knowledge)	X		Planning / Zoning	Y		URDC / Ott Consulting
	Engineers or professionals trained in building and / or infrastructure construction practices (including building inspectors)	X		Planning / Zoning	Y		Ott Consulting / Key Codes / Plainfield Twp. Building Code Official
	Emergency Manager	X		Administration	N		
	Floodplain administrator / manager	X		Planning / Zoning	Y		Zoning Officer
	Land surveyors	X		Planning / Zoning	Y		Ott Consulting
	Staff familiar with the hazards of the community	X		Administration	Y		Township Manager
	Personnel skilled in Geographical Information Systems (GIS) and / or FEMA's HAZUS program	X		Planning / Zoning	Y		Ott Consulting
	Grant writers or fiscal staff to handle large / complex grants	X		Township Manager	Y		Township Manager
Other							

Capability Assessment – continued

Capability			Department / Agency	Change since 2013 Plan? + Positive - Negative	How can these capabilities be expanded and improved to reduce risk?	Additional Comments
	Yes	No				
3. Financial Resources	Capital improvement programming	X		Township Manager	Yes	Township Manager hired in 2015
	Community Development Block Grants (CDBG)	X		Administration	No	On a limited basis for low to moderate income and/or individual surveys required.
	Special purposes taxes	X		Administration	No	Open Space EIT
	Gas / Electricity utility fees		X		No	
	Water / Sewer fees		X		No	
	Stormwater utility fees		X		No	
	Development impact fees	X		Administration	No	Recreation fees
	General obligation, revenue, and / or special tax bonds		X		No	
	Partnering arrangements or intergovernmental agreements	X		Administration	Yes	Joint comprehensive plan; inter-municipal sewer agreement; inter-municipal road maintenance agreement; regional police department
Other						

Capability Assessment – continued

Capability	✓ Program ✓ Organization			Department / Agency	Change since 2013 Plan? + Positive - Negative	How can these capabilities be expanded and improved to reduce risk?	Additional Comments
		Yes	No				
4. Education & Outreach	Firewise Communities Certification		X				
	StormReady Certification		X				
	Natural disaster or safety-related school programs		X				
	Ongoing public education or information programs such as, responsible water use, fire safety, household preparedness, and environmental education.	X		MS4	Yes	The Township is continuously revising and updating stormwater awareness as per its MS4 permit.	
	Public-private partnership initiatives addressing disaster related issues.		X				
	Local citizen groups or non-profit organizations focused on environmental protection, emergency preparedness, access and functional needs populations, etc.	X		Environmental Advisory Council	No		
	Other						

Capability		Degree of Capability			Change since the 2013 Hazard Mitigation Plan? If so, how?	Additional Comments
		Limited	Moderate	High		
5. Self – Assessment	Planning and Regulatory		X		No	
	Administrative and Technical			X	Yes, Township Manager was hired in 2015	
	Financial			X	Yes, Township Manager was hired in 2015	
	Education and Outreach		X		No	

Known or Anticipated Future Development / Redevelopment

Development / Property Name	Type of Development	Number of Structures	Location	Known Hazard Zone	Description / Status
Wind Gap Logistics Center	Warehouse	1	Jacobsburg Road	No	Currently a spec building, no final user identified.
Estates at Colony Park	Residential	31	Colony Drive (off of Benders Church Road)	No	Approximately 15 structures are still to be built out.
Estates at Sullivan Trail	Residential	30 Total	Sexton Road (off of Sullivan Trail)	No	Preliminary approved
Green knight Industrial park 2	Commercial / Industrial	Unknown	Male Road	No	The project is currently conditionally approved as a major subdivision only.

Natural & Non-Natural Event History Specific to Plainfield Township

Type of Event and Date(s)	FEMA Disaster # (if applicable)	Local Damage(s) or Loss(es)
Winter Storm Jonas, 1/23/2016 and 1/24/2016	DR-4267-PA	
Straight line winds, 2/25/2017	N/A	Multiple damaged roofs, trees down
Flooding, 7/15/2015		Flooding across multiple areas of the Township
Pennsylvania COVID-19 Pandemic – 1/2020	DR-4506-PA	Emergency Protective measures to combat COVID-19 Pandemic.
Remnants of Hurricane Ida	DR-4618-PA	Assistance to eligible individuals and families affected by this disaster.

2013 Municipal Action Plan Status

Existing Mitigation Action (from 2013 Hazard Mitigation Plan)		Status					Additional Comments
		No Progress / Unknown	In Progress	Continuous	Completed	Discontinued	
1	Bridge Retrofits - Repair bridge/restore or enlarge waterway under bridge at the following: Raselytown Road, Jones Hill Road, Books Hill Road				X		Rasleytown Road/Jones Hill Road bridges replaced by County; Plainfield Township replaced Books Hill road culvert in 2017. Action not carried through to the 2018 Action Plan.
2	Blue Mountain Wildfire Control – piping to supply water for firefighting capabilities	X					
3	Retrofit structures located in hazard-prone areas to protect structures from future damage, with repetitive loss and severe repetitive loss properties as priority. Phase 1: Identify appropriate candidates for retrofitting based on cost-effectiveness versus relocation. Phase 2: Where retrofitting is determined to be a viable option, work with property owners toward implementation of that action based on available funding from FEMA and local match availability.	X					
4	Purchase, or relocate structures located in hazard-prone areas to protect structures from future damage, with repetitive loss and severe repetitive loss properties as priority. Phase 1: Identify appropriate candidates for relocation based on cost-effectiveness versus retrofitting. Phase 2: Where relocation is determined to be a viable option, work with property owners toward implementation of that action based on available funding from FEMA and local match availability.	X					
5	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. Further, continue to meet and/or exceed the minimum NFIP standards and criteria through the following NFIP- related continued compliance actions identified below.			X			

2013 Municipal Action Plan Status – continued

Existing Mitigation Action (from 2013 Hazard Mitigation Plan)		Status					Additional Comments
		No Progress / Unknown	In Progress	Continuous	Completed	Discontinued	
6	<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: 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.</p> <p>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.</p> <p>Work with neighborhood associations, civic and business groups to disseminate information on flood insurance and the availability of mitigation grant funding.</p>	X					
7	Begin the process to adopt higher regulatory standards to manage flood risk (i.e. increased freeboard, cumulative substantial damage/improvements) and sinkhole risk (e.g. carbonate bedrock standards).				X		Action carried through to the 2018 Action Plan.
8	Determine if a Community Assistance Visit (CAV) or Community Assistance Contact (CAC) is needed, and schedule if needed.			X			
9	Have designated NFIP Floodplain Administrator (FPA) become a Certified Floodplain Manager through the ASFPM, and pursue relevant continuing education training such as FEMA Benefit-Cost Analysis.				X		Action carried through to the 2018 Action Plan.
10	<p>Participate in the Community Rating System (CRS) to further manage flood risk and reduce flood insurance premiums for NFIP policyholders.</p> <p>This shall start with the submission to FEMA-DHS of a Letter of Intent to join CRS, followed by the completion and submission of an application to the program once the community's current compliance with the NFIP is established.</p>	X					
11	Archive elevation certificates			X			
12	Continue to support the implementation, monitoring, maintenance, and updating of this Plan, as defined in Section 7.0			X			

2013 Municipal Action Plan Status – continued

Existing Mitigation Action (from 2013 Hazard Mitigation Plan)		Status					Additional Comments
		No Progress / Unknown	In Progress	Continuous	Completed	Discontinued	
13	Complete the ongoing updates of the Comprehensive Emergency Management Plans			X			
14	Create/enhance/maintain mutual aid agreements with neighboring communities for continuity of operations.				X		Action carried through to the 2018 Action Plan.
15	Identify and develop agreements with entities that can provide support with FEMA/PEMA paperwork after disasters; qualified damage assessment personnel – Improve post-disaster capabilities – damage assessment; FEMA/PEMA paperwork compilation, submissions, record-keeping				X		Township Manager hired in 2015. Action carried through to the 2018 Action Plan.
16	Work with regional agencies (i.e. County and PEMA) 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).				X		Action carried through to the 2018 Action Plan.

Notes:

1. Actions not carried through to the 2018 Action Plan are so noted.
2. To maintain National Flood Insurance Program (NFIP) compliance, actions related to the NFIP were carried through to the 2018 Action Plan even if identified by the municipality as completed.

2018 Mitigation Action Plan

Mitigation Action		Mitigation Technique Category	Hazard(s) Addressed	Priority (H / M / L)	Estimated Cost	Potential Funding	Lead Agency / Department	Implementation Schedule	Applies to New and / or Existing Structures
1	Blue Mountain Wildfire Control – piping to supply water for firefighting capabilities	Structure & Infrastructure	Wildfire	Medium	High	Local budget	Municipal Fire Department	Long-term	N/A
2	Retrofit structures located in hazard-prone areas to protect structures from future damage, with repetitive loss and severe repetitive loss properties as priority. Phase 1: Identify appropriate candidates for retrofitting based on cost-effectiveness versus relocation. Phase 2: Where retrofitting is determined to be a viable option, work with property owners toward implementation of that action based on available funding from FEMA and local match availability.	Structure & Infrastructure	Flood	Medium-High	High	FEMA Mitigation Grant Programs	Municipality (via Municipal Engineer/NFIP Floodplain Administrator) with support from PEMA, FEMA	Long-term (depending on funding)	Existing
3	Purchase, or relocate structures located in hazard-prone areas to protect structures from future damage, with repetitive loss and severe repetitive loss properties as priority. Phase 1: Identify appropriate candidates for relocation based on cost-effectiveness versus retrofitting. Phase 2: Where relocation is determined to be a viable option, work with property owners toward implementation of that action based on available funding from FEMA and local match availability.	Structure & Infrastructure	Flood	Medium-High	High	FEMA Mitigation Grant Programs and local budget (or property owner) for cost share	Municipality (via Municipal Engineer/NFIP Floodplain Administrator) with support from PEMA, FEMA	Long-term (depending on funding)	Existing

2018 Mitigation Action Plan – continued

	Mitigation Action	Mitigation Technique Category	Hazard(s) Addressed	Priority (H / M / L)	Estimated Cost	Potential Funding	Lead Agency / Department	Implementation Schedule	Applies to New and / or Existing Structures
4	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. Further, continue to meet and/or exceed the minimum NFIP standards and criteria through the following NFIP- related continued compliance actions identified below.	Local plans & Regulations	Flood	High	Low - Medium	Municipal Budget	Municipality (via Municipal Engineer/NFIP Floodplain Administrator) with support from PEMA, ISO FEMA	Ongoing	New & Existing

2018 Mitigation Action Plan – continued

Mitigation Action		Mitigation Technique Category	Hazard(s) Addressed	Priority (H / M / L)	Estimated Cost	Potential Funding	Lead Agency / Department	Implementation Schedule	Applies to New and / or Existing Structures
5	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. Further, continue to meet and/or exceed the minimum NFIP standards and criteria through the following NFIP- related continued compliance actions identified below.	Local plans & Regulations	Flood	High	Low - Medium	Municipal Budget	Municipality (via Municipal Engineer/NFIP Floodplain Administrator) with support from PEMA, ISO FEMA	Ongoing	New & Existing
6	Begin and/or continue the process to adopt higher regulatory standards to manage flood risk (i.e. increased freeboard, cumulative substantial damage/improvements) and sinkhole risk (e.g. carbonate bedrock standards).	Local plans & Regulations	Flood; Subsidence/ Sinkholes	High	Low	Municipal Budget	Municipality (via Municipal Engineer/NFIP Floodplain Administrator) with support from PEMA, FEMA	Short-term	New & Existing
7	Determine if a Community Assistance Visit (CAV) or Community Assistance Contact (CAC) is needed, and schedule if needed.	Local plans & Regulations	Flood	Medium	Low	Municipal Budget	NFIP Floodplain Administrator with support from PADEP, PEMA, FEMA	Short-term	N/A
8	Have designated NFIP Floodplain Administrator (FPA) become a Certified Floodplain Manager through the ASFPM and/or pursue relevant continuing education training such as FEMA Benefit-Cost Analysis.	Local plans & Regulations	Flood	High	Low	Municipal Budget	NFIP Floodplain Administrator	Short-term (depending on funding)	N/A

2018 Mitigation Action Plan – continued

Mitigation Action		Mitigation Technique Category	Hazard(s) Addressed	Priority (H / M / L)	Estimated Cost	Potential Funding	Lead Agency / Department	Implementation Schedule	Applies to New and / or Existing Structures
9	Participate in the Community Rating System (CRS) to further manage flood risk and reduce flood insurance premiums for NFIP policyholders. This shall start with the submission to FEMA-DHS of a Letter of Intent to join CRS, followed by the completion and submission of an application to the program once the community's current compliance with the NFIP is established.	Local plans & Regulations	Flood	Medium	Low	Municipal Budget	NFIP Floodplain Administrator with support from PADEP, PEMA, FEMA	Short-term	N/A
10	Obtain and archive elevation certificates for NFIP compliance.	Local plans & Regulations	Flood	High	Low	Municipal Budget	NFIP Floodplain Administrator	Ongoing	N/A
11	Continue to support the implementation, monitoring, maintenance, and updating of this Plan, as defined in Section 7.0	All Categories	All Hazards	High	Low – High (for 5-year update)	Municipal Budget, possibly FEMA Mitigation Grant Funding for 5-year update	Municipality (via mitigation planning point of contacts) with support from Planning Partners (through their Points of Contact), PEMA	Ongoing	New & Existing
12	Complete the ongoing updates of the Comprehensive Emergency Management Plans	Local plans & Regulations	All Hazards	High	Low	Municipal Budget	Municipality with support from PEMA	Ongoing	New & Existing
13	Create/enhance/maintain mutual aid agreements with neighboring communities for continuity of operations.	All Categories	All Hazards	High	Low	Municipal Budget	Municipality with support from Surrounding municipalities and County	Ongoing	New & Existing

2018 Mitigation Action Plan – continued

Mitigation Action		Mitigation Technique Category	Hazard(s) Addressed	Priority (H / M / L)	Estimated Cost	Potential Funding	Lead Agency / Department	Implementation Schedule	Applies to New and / or Existing Structures
14	Develop and maintain capabilities to process FEMA/PEMA paperwork after disasters; qualified damage assessment personnel – Improve post-disaster capabilities – damage assessment; FEMA/PEMA paperwork compilation, submissions, record keeping.	Education & Awareness	All Hazards	Medium	Medium	Municipal Budget	Municipality with support from County, PEMA, FEMA	Short-term	N/A
15	Work with regional agencies (i.e. County and PEMA) 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).	Education & Awareness	All Hazards	Medium	Medium	Municipal Budget, FEMA HMA grant programs	Municipality with support from County, PEMA	Short-, long-term (depending on funding)	N/A
16	Replace aging and undersized culverts located on local Plainfield Township roadways. Identified locations include the following: Batts Switch Road, Getz Road, Engler Road, Capp Road, Heimer Road, Mud Run Road, Miller Road and Heitzman Road	Structure & Infrastructure	Flood	High	High (\$500,000+)	Local capital reserve funds, grants	Administration, Engineering	Long-term (depending on funding)	N/A
17	Explore designating the Blue Mountain Conservation District as a Wildland-Urban interface area, pursuant to the provisions of the 2009 Wildland-Urban interface Code as published by the ICC.	Local plans & Regulations	Fire	High	Low (\$1,000)	General Fund	Administration, Code Enforcement	12 months	N/A
18	During the course of adopting an Official Map, explore feasibility of protecting flood prone corridors along streams and watercourses.	Local plans & Regulations	Flood	High	Medium	General Fund, Open Space Fund	Administration, EAC, Planning	12-24 months	N/A

2018 Mitigation Action Plan – continued

	Mitigation Action	Mitigation Technique Category	Hazard(s) Addressed	Priority (H / M / L)	Estimated Cost	Potential Funding	Lead Agency / Department	Implementation Schedule	Applies to New and / or Existing Structures
19	Install standby generators at the following locations: - Plainfield Township Fire Company Banquet Hall - Plainfield Township Fire Company Station - Plainfield Township Road Department	Structure & Infrastructure	All Hazards	High	Medium	Municipal Budget; Grant Programs (County, State, Federal)	Municipality	18-36 months	Existing

Notes:

Estimated Costs:

- Where actual project costs have been reasonable 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 reappropriation 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.

Potential Funding (FEMA HMA):

- **BRIC** = Building Resilient Infrastructure and Communities
- **FMA** = Flood Mitigation Assistance Grant Program
- **HMGP** = Hazard Mitigation Grant Program
- **HSGP** = Homeland Security Grant Program
- **EMPG** = Emergency Management Performance Grant

Implementation Schedule:

- **Short Term** = 1 to 5 years
- **Long Term** = 5 years or greater
- **DOF** = Depending on Funding

Applies to New and/or Existing Structures:

- **N/A** = Not Applicable