**Plainfield Township, Northampton County Annex**

**Hazard Mitigation Plan Points-of-Contact**

|  |  |
| --- | --- |
| **Primary:** | **Alternate:** |
| Jeff Bartlett  Interim Township Manager  6292 Sullivan Trail, Nazareth, PA 18064  610-759-6944  manager@plainfieldtownship.org | A.J. Olszewski, III  Emergency Management Coordinator  6292 Sullivan Trail, Nazareth, PA 18064  610-759-8517  plainfieldtwpemc@gmail.com |

**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 6,263 (2020 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.

|  |  |
| --- | --- |
| Jeff Bartlett, Interim Township Manager  Role: Coordinator | Alex Cortezzo, Fire Chief  Role: Fire Consultation |
| Larry Sapone, Road Department Foreman  Role: Institutional Memory – Roads | Jeff Ott, P.E., Township Engineer  Role: Engineering Consultation |
| A.J. Olszewski, Emergency Management Coordinator  Role: Emergency Management Consultation |  |

1. 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.

1. Describe how the public **will be engaged** in the current planning process (examples, newsletters, social media, etc.), **and how they were engaged** since the 2018 Hazard Mitigation Plan.

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

Past: Same

**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. |
| **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) | N/A |
| What categories and activities provide CRS points and how can the Class be improved? |  | N/A |
| Does the plan include CRS planning requirements? | Community FPA, FEMA CRS Coordinator, or ISO representative | N/A |

**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

1. **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

1. **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.

1. **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

* 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 2018 Plan?**  **+ Positive**  **- Negative** | **Has the 2018 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 | 9/2022 |  | 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 |  |  |  |  |  |  |  |  |  |
| Hazard Mitigation Plan | X | 2018 |  |  | S |  | N/A |  |  |
| Emergency Operations Plan | X | 12/2019 |  | Emergency Operations Coordinator | S | + |  |  |  |
| Zoning Regulations | X | revised in 2021 | X | Administration | S | + |  |  |  |
| Floodplain Regulations | X | 6/2014 |  | Zoning | S | + |  |  |  |
| NFIP Participation | X | 1974 |  | Zoning | S |  |  |  |  |
| Building Code | X | 2018 |  | Administration | S |  |  |  |  |
| Fire Code | X | 2004 |  | Administration | S |  |  |  |  |
| Other |  |  |  |  |  |  |  |  |  |

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Capability** | * **Staff** * **Personnel** * **Resources** | **Yes** | **No** | **Department / Agency** | **Change since 2018 Plan?**  **+ Positive**  **- Negative** | **How can these capabilities be expanded and improved to reduce risk?** | **Additional Comments** |
| **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 / Keycodes Inspection Agency |
| 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 |  |  | Township Manager | Y |  | Township Manager position is currently vacant |
| 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 |  |  | Township Manager | Y |  | Township Manager position is currently vacant |
| Other |  |  |  |  |  |  |

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Capability** | * **Staff** * **Personnel** * **Resources** | **Yes** | **No** | **Department / Agency** | **Change since 2018 Plan?**  **+ Positive**  **- Negative** | **How can these capabilities be expanded and improved to reduce risk?** | **Additional Comments** |
| **3. Financial Resources** | Capital improvement programming |  | X | Township Manager | Yes |  | Township Manager position is currently vacant |
| 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 |  |  |  | No |  |  |
| Water / Sewer fees |  |  |  | No |  |  |
| Stormwater utility fees |  |  |  | No |  |  |
| Development impact fees | X |  | Administration | No |  | Recreation fees |
| General obligation, revenue, and / or special tax bonds |  |  |  | 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 |  |  |  |  |  |  |

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Capability** | * **Staff** * **Personnel** * **Resources** | **Yes** | **No** | **Department / Agency** | **Change since 2018 Plan?**  **+ Positive**  **- Negative** | **How can these capabilities be expanded and improved to reduce risk?** | **Additional Comments** |
| **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 |  |  |  |  |  |  |

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| --- | --- | --- | --- | --- | --- | --- |
| **Capability** |  | **Degree of Capability** | | | **Change since the 2018 Hazard Mitigation Plan?**  **If so, how?** | **Additional Comments** |
| **Limited** | **Moderate** | **High** |
| **5. Self – Assessment** | Planning and Regulatory | X |  |  | Yes | Township Manager position is currently vacant; Zoning Officer taking on additional work. |
| Administrative and Technical | X |  |  | Yes | Township Manager and Secretary Positions are currently vacant; only two Township staff members currently with assistance from the Board. |
| Financial |  | X |  | Yes | New Treasurer hired in 2022 |
| Education and Outreach | X |  |  | Yes | Township Manager and Secretary Positions are currently vacant; only two Township staff members currently with assistance from the Board. |

**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 (split-use) | Jacobsburg Road | No | Commercial tenants; Iron Mountain and TEVA; final CO’s issued |
| Estates at Colony Park | Residential | 31 | Colony Drive (off of  Benders Church Road) | No | Approximately 6 units left to be built. |
| Gall Farm Park | Park | 1 | 711 Gail Road | No | Proposed County park with education center; in planning stage |
| Community Park Pavilion | Park | 1 | Gap View Road | No | Proposed pavilion for community use; in planning stage |
| CRG Warehouse Development | Warehouse | 2 | 701 N. Broadway | Yes | Proposed Warehouse development; PADEP Act 2 clean-up efforts proposed; in planning stage |
| Posh Properties; Coffee Shop | Commercial | 1 | 6669 Sullivan Trail | No | Proposed coffee shop with drive-thru; in planning stage |
| Social Still /  Franklin Hill Winery | Commercial | 3 | 968 Bangor Road | No | Proposed micro distillery, winery and tasting room with special events; in planning stage |
| RPM Metals Expansion | Industrial | 7 | 701 N. Broadway | Yes | Proposed expansion of operations; PADEP Act 2 clean-up efforts proposed; in planning stage |
| Clever Girl Winery | Commercial | 1 | Pen Argyl Road | No | Proposed winery and tasting room; in planning stage |
| Male Road Warehouse | Warehouse | 1 | 550 Male Road | No | Currently Spec. bldg., no final user identified; final CO not yet issued |
| Green Knight Industrial Park | Commercial /  Industrial | Approx. 9 | Beers Way | No | Portion of park is within Wind Gap Borough; two existing industrial uses; additional warehouse proposed (45-65 Beers Way) |
| ASGCO | Manufacturing | 1 | 730 Bangor Road | No | Rebuild Project Completed; final CO issued – former NICOS plastics plant |
| Wind Gap Taco Bell | Commercial  Restaurant | 1 | 6695 Sullivan Trail | No | Completed / Temp. CO issued conditioned on PennDOT Improvements |

**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 | N/A |
| 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. |

**2018 Municipal Action Plan Status**

| **Existing Mitigation Action**  **(from 2018 Hazard Mitigation Plan)** | | **Status** | | | | | **Additional Comments** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **No Progress /**  **Unknown** | **In Progress** | **Continuous** | **Completed** | **Discontinued** |
| **1** | Blue Mountain Wildfire Control – piping to supply water for firefighting capabilities. | X |  |  |  |  | Risers to be installed on all Dotta Development inlets |
| **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. | X |  |  |  |  |  |
| **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. | X |  |  |  |  |  |
| **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. |  |  | X |  |  |  |
| **5** | Conduct and facilitate community and public education and outreach for residents and businesses to include, but not be limited to, the following to promote and effect natural hazard risk reduction: Provide and maintain links to the HMP website, and regularly post notices on the County/municipal homepage(s) referencing the HMP webpages. Prepare and distribute informational letters to flood vulnerable property owners and neighborhood associations, explaining the availability of mitigation grant funding to mitigate their properties, and instructing them on how they can learn more and implement mitigation.  Use email notification systems and newsletters to better educate the public on flood insurance, the availability of mitigation grant funding, and personal natural hazard risk reduction measures.  Work with neighborhood associations, civic and business groups to disseminate information on flood insurance and the availability of mitigation grant funding. | X |  |  |  |  |  |
| **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). |  |  |  | X |  | To maintain National Flood Insurance Program (NFIP) compliance, actions related to the NFIP were carried through to future Action Plan even though identified as completed. |
| **7** | Determine if a Community Assistance Visit (CAV) or Community Assistance Contact (CAC) is needed, and schedule if needed. |  |  | X |  |  |  |
| **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. |  |  |  | X |  | Full-time Zoning Officer attending training for certification. |
| **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. | X |  |  |  |  |  |
| **10** | Obtain and archive elevation certificates for NFIP compliance. |  |  | X |  |  |  |
| **11** | Continue to support the implementation, monitoring, maintenance, and updating of this Plan, as defined in Section 7.0 |  |  | X |  |  |  |
| **12** | Complete the ongoing updates of the  Comprehensive Emergency Management Plans |  |  | X |  |  |  |
| **13** | Create/enhance/maintain mutual aid agreements with neighboring communities for continuity of operations. |  |  |  | X |  | To maintain National Flood Insurance Program (NFIP) compliance, actions related to the NFIP were carried through to future Action Plan even though identified as completed. |
| **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. |  |  |  | X |  | To maintain National Flood Insurance Program (NFIP) compliance, actions related to the NFIP were carried through to future Action Plan even though identified as completed. |
| **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). |  |  |  | X |  | To maintain National Flood Insurance Program (NFIP) compliance, actions related to the NFIP were carried through to future Action Plan even though identified as completed. |
| **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 |  |  | X |  |  |  |
| **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. |  |  | X |  |  |  |
| **18** | During the course of adopting an Official Map, explore feasibility of protecting flood prone corridors along streams and watercourses. |  |  | X |  |  | \*UPDATE 2022: One potential flood-prone property purchase brought to the Board, which was not approved. |
| **19** | Install standby generators at the following locations:   * Plainfield Township Fire Company Banquet Hall * Plainfield Township Fire Company Station   Plainfield Township Road Department. |  |  | X |  |  |  |

**Notes:**

1. Actions not carried through to the 2023 Action Plan are so noted.
2. To maintain National Flood Insurance Program (NFIP) compliance, actions related to the NFIP were carried through to the 2023 Action Plan even if identified by the municipality as completed.

**2023 Mitigation Action Plan**

| **Mitigation Action** | | **Mitigation Action Category** | **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. | 26 | 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. | 1 | Structure & Infrastructure | Flood | 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. | 2 | Structure & Infrastructure | Flood | 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 |
| **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. | 3 | 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 |
| **5** | Conduct and facilitate community and public education and outreach for residents and businesses to include, but not be limited to, the following to promote and effect natural hazard risk reduction: Provide and maintain links to the HMP website, and regularly post notices on the County/municipal homepage(s) referencing the HMP webpages. Prepare and distribute informational letters to flood vulnerable property owners and neighborhood associations, explaining the availability of mitigation grant funding to mitigate their properties, and instructing them on how they can learn more and implement mitigation.  Use email notification systems and newsletters to better educate the public on flood insurance, the availability of mitigation grant funding, and personal natural hazard risk reduction measures.  Work with neighborhood associations, civic and business groups to disseminate information on flood insurance and the availability of mitigation grant funding. | 4 | 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). | 5 | 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. | 3 | Local plans  & Regulations | Flood | High | 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. | 6 | Local plans  & Regulations | Flood | Medium | Low | Municipal Budget | NFIP  Floodplain  Administrator | Short-term  (depending on funding) | N/A |
| **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. | 7 | Local plans  & Regulations | Flood | High | 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. | 8 | Local plans  & Regulations | Flood | Low | 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. | 9 | 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. | 10 | All  Categories | All Hazards | Medium | Low | Municipal Budget | Municipality with support from  Surrounding municipalities and County | Ongoing | New &  Existing |
| **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. | 11 | 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). | 12 | Education & Awareness | All Hazards | Low | 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. | 15 | Structure & Infrastructure | Flood | Medium | 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. | 26 | Local plans & Regulations | Fire | Medium | 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. | 14 | Local plans & Regulations | Flood | Medium | Medium | General  Fund,  Open  Space  Fund | Administration, EAC, Planning | 12-24 months | N/A |
| **19** | Install standby generators at the following locations:   * Plainfield Township Fire Company Banquet Hall * Plainfield Township Fire Company Station   Plainfield Township Road Department. | 17 | 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 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.

***Potential Funding (FEMA HMA):***

* **BRIC =** Building Resilient Infrastructure andCommunities
* **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