**Salisbury Township, Lehigh County Annex**

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

|  |  |
| --- | --- |
| **Primary:** | **Alternate:** |
| Wyatt Davis  Emergency Management Coordinator  2900 South Pike Avenue, Allentown, PA 18103  484-547-2206  N/A | TC Cunningham  Deputy Emergency Management Coordinator  2900 South Pike Avenue, Allentown, PA 18103  484-547-2206  tcunningham@salisburytownship.org |

**Municipal Profile**

Salisbury Township is located in the south-central part of Lehigh County. It encompasses an area of 11.1 square miles and has a population of 13,621 (2020 Census). Salisbury into two demographically distinct non-contiguous portions, divided where Emmaus Borough and Allentown share a border. The township borders; Allentown and Bethlehem Cities to the north; South Whitehall and Lower Macungie Townships to the west; Emmaus Borough and Upper Milford Township to the southwest; Upper Saucon Township to the southeast; and Fountain Hill Borough, Lower Saucon Township (Northampton County) and Bethlehem (Northampton County portion) to the east.

Salisbury Township is drained by the Lehigh River, which separates it from Bethlehem and the east side of Allentown. The township stretches across three major watersheds: the Little Lehigh Creek, the Saucon Creek, and the Lehigh River. Tributary to the Lehigh River, the western portion of the township is drained by the Little Lehigh Creek, which runs through the south border at Country Club Road, and then runs northeast in Allentown outside the eastern border (of the western section) of Salisbury Township, and into the Lehigh River. Salisbury Township includes the headwaters of the Saucon and Trout Creeks. The eastern Saucon Creek running east, both of which empty into the Lehigh River.

Salisbury’s major thoroughfares include Interstate 78 / Route 309, Route 145, Route 29, Emmaus Avenue, and Susquehanna Street / Broadway. I-78 / SR 309 travels east-west through the southern parts of the township, in both the east and west sections of the township. Route 145 runs north south, as the northern extension of SR 309 from Upper Saucon Township, and cuts through the center of the eastern portion of Salisbury Township. Route 29 cuts through the southwestern corner of the township, connecting with South Whitehall Township to the north, and Lower Macungie Township to the south. Emmaus Avenue provides a local connector between the two sections of the township, running northeast-southwest towards Fountain Hill Borough in the north and Emmaus Borough to the south. Susquehanna Street / Broadway is a major local connector running east-west through the northern part of the township, connecting Emmaus Avenue in the northeast. Norfolk Southern owns and operates a freight rail line along the Lehigh River, which connects to South Bethlehem. Another line runs through western Salisbury Township, south of Lehigh Street.

**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.

|  |  |
| --- | --- |
| Wyatt Davis, Emergency Management Coordinator  Role: EMC | TC Cunningham, Deputy Emergency Management Coordinator  Role: Deputy EMC |
| John Andreas, Director of Public Works  Role: Public Work Director | Jim Levernier, Forman, Public Works  Role: Public Works |
| Cathy Bonaskewich, Township Manager  Role: Township Manager | Allen Stiles, Chief of Police  Role: Township Police Department |
| Dustin Grow, Fire Inspector  Role: Lead Fire Inspector | Sgt. Donald Sabo  Role: Township Police |
| David Tomcics, Salisbury Township Eastern Fire Department  Role: Emergency response and recovery | Joshua Wells, Salisbury Township Western Fire Department  Role: Emergency response and recovery |
| Cynthia Sopka, Environmental Scientist, Director of Planning and Zoning  Role: Floodplain Administrator | Sandy Nicolo, Code Official / MS4 Coordinator  Role: Stormwater management MS4 and Code Enforcement |
| Jeffrey Tapler, Emergency Management Director  Role: Emergency Management Coordinator | |

*\*please update table as needed*

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.

Recommend coordination with the Lehigh Valley Health Network; Salisbury Township Police Department; and Salisbury Township Manager, Cathy Bonaskewich.

Recommend participation with the Salisbury School District, Swain School, St. Thomas More and the Charter School of Art in Salisbury Township.

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: Utilize the Township website to address Hazard Mitigation Plan 2018; use local media, Salisbury Press and Morning Call News; social media Facebook, announcements to residents via Township emails, and utilize the Township website to inform the public of the Hazard Mitigation Plan 2018.

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 | Yes |
| Provide an explanation of NFIP administration services (e.g., permit review, GGIS, education or outreach, inspections, engineering capability) | Community FPA | Familiarity with GIS; MS in Environmental Science; Biology and Aquatic Ecosystems. |
| What are the barriers to running an effective NFIP program in the community, if any? | Community FPA | Only barrier would be to support riparian zones and have FEMA support via GIS for flood zones and unmapped streams are a concern on flooding. |
| **2. Compliance History** | | |
| Is the community in good standing with the NFIP? | State NFIP Coordinator, FEMA NFIP Specialist, or community records | Yes |
| 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)? |  | N/A |
| Is a CAV or CAC scheduled or needed? |  | N/A |
| **3. Regulation** | | |
| When did the community enter the NFIP? | NFIP Community Status Book | 12/28/1973 |
| Are the Flood Insurance Rate Maps (FIRMs) digital or paper?  How are residents assisted with mapping? | Community FPA | Most maps are digital - refer residents to FEMA.GOV as well as seek engineering guidance. |
| Do floodplain regulations meet or exceed FEMA or State minimum requirements?  If so, in what ways? | Community FPA | Major surface waterway has a 100-foot buffer from top of bank, and the minor surface waterway has a 75-foot buffer from top of stream bank. |
| Describe the permitting process | Community FPA, State, FEMA NFIP | Pennsylvania Department of Environmental Protection issues Chapter 105, or Lehigh Conservation District is authorized to issue Chapter 105 permits. |
| **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 | Unknown |
| 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 | 0 |
| How many structures are exposed to flood risk within the community? | Community FPA or GIS Analyst | 0 |
| Describe any areas of flood risk with limited NFIP policy coverage | Community FPA or  FEMA Insurance Specialist | 0 |
| **5. Community Rating System (CRS)** | | |
| Does the community participate in CRS? | Community FPA, State, or FEMA NFIP | Unknown |
| If so, what is the community’s CRS Class Ranking? | Flood Insurance Manual (http://www.fema.gov/floodinsurancemanual.gov) | Unknown |
| What categories and activities provide CRS points and how can the Class be improved? |  | Unknown |
| Does the plan include CRS planning requirements? | Community FPA, FEMA CRS Coordinator, or ISO representative | Unknown |

**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.

Devon House Assisted Living Facility

Woodland Terrace Nursing Home

Jah Jireh Nursing Care and Assisted Living Facility for Jehovah Witness Facility

Kids Peace youth program for children of special needs

Eastern Comfort Assisted Living Facility

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

Salisbury Township School District – Western Salisbury Elementary School, Harry S. Truman Elementary School, Salisbury Middle School, and Salisbury High School

St. Thomas More School

Arts Academy Charter School

Swain School

Lehigh Valley Christian Academy

1. **Economy**

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

Incorporates the South Mall

Cedar Crest Professional Park – medical and dental offices

Lehigh Valley Health Network

Lehigh County Correctional Facility

Lehigh County Detoxification Center

The Auto Mile – Scott Chevrolet and Volvo, Vinart, Wendy’s, AT&T Store, UPS Store, Staples, Kost Tires

Harris Rebar

Pidcock Engineering Company

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.

Salisbury Township is bound between two mountains – Lehigh Mountain and South Mountain. Both mountain ranges provide protection from severe storms. Both mountains have a substantial amount of trees and shrub, some of which have been damaged from previous storms or impaired by invasive vegetation, insects or blight. The steep slopes provide some protection of the natural environment. However, both mountains host hydrologic features such as ground water seeps, vernal pools, wetlands, and first order streams that attempt to flow towards the watercourse of Trout Creek Corridor. The water features often traverse through property as it flows toward the Trout Creek Corridor. The flow of water originates from stormwater impacts and often flows through residential properties that may create havoc for the homeowner.

Salisbury Township developed a Natural Resources Inventory in June 2011 with the intent to identify the natural environment. Salisbury Township also developed an Open Space Plan in 2015.

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.

None

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

Salisbury Township Department of Public Works maintains the water and wastewater systems along with the stormwater facilities.

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

None

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

Lehigh Valley Health Network

Cedar Crest Professional Park

Western Salisbury Fire Department

Eastern Salisbury Fire Department

Salisbury Township Police Department and the K-9 Team

Fire Inspector Program

Lehigh Valley Health Network heliport

Queen City Airport, located in City of Allentown, has a fly zone over Salisbury Township

Lehigh Valley International Airport has a fly zone over Salisbury Township

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

Lundberg Park

Green Acres Park

Laubach Park

Devonshire Park

Franko Farm Recreation Area

Walking Purchase Park

Dodson Park

A small village of Waldheim Park has historical value

**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 | 9/2012 |  | Planning Commission |  | No | Environmental features to address natural features and hydrology | Reduce impact from water or stormwater affecting homes. |  |
| Capital Improvement Plan |  |  |  |  |  | N/A |  |  |  |
| Economic Development Plan |  |  |  |  |  | N/A |  |  |  |
| Continuity of Operations Plan |  |  |  |  |  | N/A |  | Create a plan |  |
| Stormwater Management Plan / Ordinance | X | 7/2005 |  |  |  |  |  |  | Little Lehigh Creek, Catasauqua Creek |
| Open Space Management Plan (or Parks/Rec., Greenways Plan) | X | 12/2005 |  |  |  |  |  |  |  |
| Natural Resource Protection Plan | X | 6/1/2011 |  |  |  |  |  |  |  |
| Transportation Plan |  |  |  |  |  |  |  |  |  |
| Historic Preservation Plan | X |  |  |  |  |  |  |  |  |
| Floodplain Management Plan |  |  |  |  |  |  |  |  |  |
| Farmland Preservation |  |  |  |  |  |  |  | Availability to have  generators,  tents, cots, radios,  flashlights, fuel pumps  command post centers |  |
| Evacuation Plan |  |  |  |  |  |  |  |  |  |
| Disaster Recovery Plan |  |  |  |  |  |  |  |  |  |
| Hazard Mitigation Plan | X | 2018 |  | Emergency Management |  |  | N/A |  |  |
| Emergency Operations Plan | X | 2011 |  | Emergency Management |  |  |  | Update as needed |  |
| Zoning Regulations | X | 2014 |  |  |  |  | Updated zoning to protect buildings from construction in wet areas. | Prevent construction in  areas with high water table |  |
| Floodplain Regulations | X |  |  |  |  |  |  | Restrict developing in  high water table or floodplain |  |
| NFIP Participation | X |  |  |  |  |  |  |  |  |
| Building Code | X |  |  |  |  |  |  |  |  |
| Fire Code | X |  |  |  |  |  |  | International Fire Code update |  |
| Other |  |  |  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **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 Commission |  |  |  |
| Planners or engineers (with natural and / or human-caused hazards knowledge) | X |  | Township Engineer |  |  |  |
| Engineers or professionals trained in building and / or infrastructure construction practices (including building inspectors) | X |  | Township Engineer, our 3rd party reviewer for code requirements |  |  |  |
| Emergency Manager | X |  | Emergency Management |  | Add assistants or replacement for EOC centers |  |
| Floodplain administrator / manager | X |  | Director of Planning & Zoning/Floodplain Administrator |  |  |  |
| Land surveyors |  |  |  |  |  |  |
| Staff familiar with the hazards of the community | X |  | MS4 Coordinator, Public Works  Department, Fire personnel & police |  | Restructure - 59 |  |
| Personnel skilled in Geographical Information Systems (GIS) and / or FEMA’s HAZUS program | X |  | Code Official,  Planning Director,  Township  Engineer |  |  |  |
| Grant writers or fiscal staff to handle large / complex grants |  |  |  |  |  |  |
| Other |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **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 | | | | |  | |  |  |  | |  |  |
| Community Development Block Grants (CDBG) | | | | |  | |  |  |  | |  |  |
| Special purposes taxes | | | | | X | |  |  |  | |  | Fire fund and library fund |
| Gas / Electricity utility fees | | | | |  | |  |  |  | |  |  |
| Water / Sewer fees | | | | | X | |  |  |  | |  |  |
| Stormwater utility fees | | | | |  | |  |  |  | |  |  |
| Development impact fees | | | | |  | |  |  |  | |  |  |
| General obligation, revenue, and / or special tax bonds | | | | |  | |  |  |  | |  |  |
| Partnering arrangements or intergovernmental agreements | | | | | X | |  |  |  | |  | Fire/ambulance/police |
| Other | | | | |  | |  |  |  | |  |  |
| **4. Education & Outreach** | Firewise Communities Certification | | | | |  | |  | Public Safety |  | | Add fire prevention initiatives, such as education |  |
| StormReady Certification | | | | |  | |  |  |  | |  |  |
| Natural disaster or safety-related school programs | | | | |  | |  | Public Safety |  | | Add fire prevention |  |
| Ongoing public education or information programs such as, responsible water use, fire safety, household preparedness, and environmental education. | | | | | X | |  | Public Safety |  | | Increase education information |  |
| Public-private partnership initiatives addressing disaster related issues. | | | | |  | |  |  |  | |  |  |
| Local citizen groups or non-profit organizations focused on environmental protection, emergency preparedness, access and functional needs populations, etc. | | | | | X | |  | Salisbury  Township has an  Environmental  Advisory  Council that provides  education to the community. |  | |  |  |
| Other | | | | |  | |  |  |  | |  |  |
| **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 | |  | | | |  | | |
| Administrative and Technical |  |  | X | |  | | | |  | | |
| Financial |  |  | X | |  | | | |  | | |
| Education and Outreach |  |  | X | |  | | | |  | | |

**Known or Anticipated Future Development / Redevelopment**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Development /**  **Property Name** | **Type of Development** | **Number of Structures** | **Location** | **Known Hazard Zone** | **Description / Status** |
| Sheffield Square Townhouses | Residential | 77 | 206 E Lynnwood Street | High water table, sinkholes | Residential no activity sketch plan submission |
| Roche Painting | Commercial | 2 | 2686 S Pike Avenue,  Allentown | Sink holes and stormwater impact | Pending final land development approval with planning commission |
| South Mountain Grove | Residential | 144 | 400 E Mountain Road,  Allentown | Carbonate geology, stormwater impact | Submitted as sketch plan no action |
| 237 Chestnut Hill | Residential | 2 | 237 Chestnut Hill Road single family dwelling | Stormwater, high winds fallen | In progress of clearing the land |
| Southbury Park | Residential | 12 | 1511 Black River Road,  Bethlehem | high water table, wetland impacts | In progress |
| Dunkin Donut | Commercial | 1 | Lehigh Street | Stormwater, flooding, high traffic | Pending construction |
| McAuliffe Asphalt | Commercial | 3 | 2937 S 4th Street,  Allentown | Stormwater runoff, impact stream and downstream | Potential for redevelopment |
| LVHN | Commercial | 15 | 1200 S Cedar Crest  Boulevard | Sinkholes, stormwater impact | Potential to expand and develop |
| Kister Tract | Conservation residential | 2 | 415 Mountain Boulevard | Sinkholes, stormwater impact | Pending finalization of zoning/planning for open space |
| Scott Auto dealership | Commercial |  | Lehigh Street Auto Mile | Chemicals auto repair |  |

**Natural & Non-Natural Event History Specific to Salisbury Township**

|  |  |  |
| --- | --- | --- |
| **Type of Event and Date(s)** | **FEMA Disaster #**  **(if applicable)** | **Local Damage(s) or Loss(es)** |
| Pennsylvania COVID-19 Pandemic – 1/2020 | DR-4506-PA | Emergency Protective measures to combat COVID-19 Pandemic. |

**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** | Adopt and implement measures to mitigate the risk of sinkholes on new construction. Specifically, adopt a carbonate bedrock standard. |  |  | X |  |  |  |
| **2** | 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 |  |  |  |
| **3** | 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.  Work with neighborhood associations, civic and business groups to disseminate information on flood insurance and the availability of mitigation grant funding. |  |  | X |  |  | Public education ongoing |
| **4** | Continue to support the implementation, monitoring, maintenance, and updating of this Plan, as defined in Section 7.0. |  |  | X |  |  | Ongoing |
| **5** | Complete the ongoing updates of the  Comprehensive Emergency Management Plans. |  |  | X |  |  | Ongoing |
| **6** | Create/enhance/maintain mutual aid agreements with neighboring communities for continuity of operations. |  |  | X |  |  | Ongoing |
| **7** | 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 |  |  | Ongoing |
| **8** | 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 |  |  | Ongoing |
| **9** | Coordinate with the County Emergency Management Agency and PA Department of Health, which is responsible for setting up points of distribution and providers for immunizations. |  |  | X |  |  |  |
| **10** | Devise an employee vaccination and immunization plan to prevent an outbreak within the municipal employee ranks. |  |  | X |  |  |  |
| **11** | Devise a public education and outreach plan regarding disease prevention. |  |  | X |  |  |  |
| **12** | Provide education and outreach to residents regarding how to prevent the spread of invasive species, including quarantine procedures. |  |  | X |  |  |  |
| **13** | Develop a neighborhood cleanup plan designed to remove discarded tires, trash and other items in which standing water can form. |  |  | X |  |  |  |
| **14** | Provide training and education for first responders to ensure effective emergency care. |  |  | X |  |  |  |
| **15** | Provide education and outreach, especially in K-12, regarding drug abuse prevention. |  |  | 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** | | **Regional 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** | Adopt and implement measures to mitigate the risk of sinkholes on new construction. Specifically, adopt a carbonate bedrock standard. | 5 | Local plans  & Regulations | Subsidence/ Sinkholes | High | Low | Township Budget | Township | N/A | New &  Existing |
| **2** | 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 | Local Budget | Municipality  (via Municipal  Engineer/NFIP Floodplain  Administrator) with support from PEMA,  ISO FEMA | Ongoing | New &  Existing |
| **3** | 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.  Work with neighborhood associations, civic and business groups to disseminate information on flood insurance and the availability of mitigation grant funding. | 4 | Education  & Awareness | All Hazards | High | Low-  Medium | Municipal Budget | Municipality with support  from Planning Partners,  PEMA, FEMA | Short-term | N/A |
| **4** | 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 |
| **5** | Complete the ongoing updates of the Comprehensive Emergency Management Plans. | 10 | Local plans  & Regulations | All Hazards | Medium | Low | Municipal Budget | Municipality with support from PEMA | Ongoing | New &  Existing |
| **6** | Create/enhance/maintain mutual aid agreements with neighboring communities for continuity of operations. | 11 | All  Categories | All Hazards | Medium | Low | Municipal Budget | Municipality w/ support from  surrounding  municipalities and County | Ongoing | New &  Existing |
| **7** | 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. | 12 | Education  & Awareness | All Hazards | Low | Medium | Municipal Budget | Municipality with support  from County,  PEMA, FEMA | Short-term | N/A |
| **8** | 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). | 13 | 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 |
| **9** | Coordinate with the County Emergency Management Agency and PA Department of Health, which is responsible for setting up points of distribution and providers for immunizations. | 11 | Local plans  & Regulations | Pandemic and  Infectious  Disease | Medium | $10,000 | CDC,  Department of Health | Public Safety | Unknown | N/A |
| **10** | Devise an employee vaccination and immunization plan to prevent an outbreak within the municipal employee ranks. | 12 | Local plans  & Regulations | Pandemic and  Infectious  Disease | Medium | $10,000 | CDC,  Department of Health | Public Safety | Unknown | N/A |
| **11** | Devise a public education and outreach plan regarding disease prevention. | 4 | Education  & Awareness | Pandemic and  Infectious  Disease | High | $10,000 | CDC,  Department of Health | Public Safety | Unknown | N/A |
| **12** | Provide education and outreach to residents regarding how to prevent the spread of invasive species, including quarantine procedures. | 4 | Education  & Awareness | Invasive Species | High | $15,000 | Grants,  Department  of  Agriculture | Planning/Codes | 12 months | N/A |
| **13** | Develop a neighborhood cleanup plan designed to remove discarded tires, trash and other items in which standing water can form. | 27 | Education  & Awareness | Invasive Species | High | $15,000 | Grants,  Department  of  Agriculture | Planning/Codes | 12 months | N/A |
| **14** | Provide training and education for first responders to ensure effective emergency care. | 27 | Local plans  & Regulations | Drug  Overdose  Crisis | High | $10,000 | Grants,  PEMA,  FEMA,  PCCD | Township Police  Department/Public Safety | 12 months | N/A |
| **15** | Provide education and outreach, especially in K-12, regarding drug abuse prevention. | 4 | Education  & Awareness | Drug  Overdose  Crisis | High | $10,000 | Grants,  PEMA,  FEMA,  PCCD | Township Police  Department/Public Safety | 12 months | N/A |

**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