

## **Salisbury Township, Lehigh County Annex**

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

#### **Primary:**

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#### **Alternate:**

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### **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 13,505 (2010 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.

John Andreas, Director of Public Works  
Role: Public Work Director

Cathy Bonaskewich, Township Manager  
Role:

Dustin Grow, Fire Inspector  
Role: Lead Fire Inspector

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

Jim Levernier, Forman, Public Works  
Role: Public Works

Chief of Police  
Role: Township Police Department

Sgt. Donald Sabo  
Role: Township Police

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.

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.

**Municipal Participation – continued**

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.

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.

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

Topic	Identify source of information, if different from the one listed.	Additional Comments
<b>1. Staff Resources</b>		
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.
<b>2. Compliance History</b>		
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

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

Topic	Identify source of information, if different from the one listed.	Additional Comments
<b>3. Regulation</b>		
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.
<b>4. Insurance Summary</b>		
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	Zero (0)
How many structures are exposed to flood risk within the community?	Community FPA or GIS Analyst	Zero (0)
Describe any areas of flood risk with limited NFIP policy coverage	Community FPA or FEMA Insurance Specialist	Zero (0)
<b>5. Community Rating System (CRS)</b>		
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 ( <a href="http://www.fema.gov/floodinsurancemanual.gov">http://www.fema.gov/floodinsurancemanual.gov</a> )	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

### 2. 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

## 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.

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.

### 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.
- 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 waste water systems along with the stormwater facilities.

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

Not applicable

**Community Assets – *continued***

- 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	<ul style="list-style-type: none"> <li>✓ Regulatory</li> <li>✓ Tools</li> <li>✓ Programs</li> </ul>	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	9/2012		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										



### Capability Assessment – continued

Capability	<ul style="list-style-type: none"> <li>✓ Regulatory</li> <li>✓ Tools</li> <li>✓ Programs</li> </ul>	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	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 Assessment – continued**

Capability	<ul style="list-style-type: none"> <li>✓ Staff</li> <li>✓ Personnel</li> <li>✓ Resources</li> </ul>	Yes	No	Department / Agency	Change since 2013 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		X				
	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 Assessment – continued**

Capability		Yes	No	Department / Agency	Change since 2013 Plan? + Positive - Negative	How can these capabilities be expanded and improved to reduce risk?	Additional Comments
<b>3. Financial Resources</b>	Capital improvement programming		X				
	Community Development Block Grants (CDBG)		X				
	Special purposes taxes	X					Fire fund and library fund
	Gas / Electricity utility fees		X				
	Water / Sewer fees	X					
	Stormwater utility fees		X				
	Development impact fees		X				
	General obligation, revenue, and / or special tax bonds						
	Partnering arrangements or intergovernmental agreements	X					Fire / ambulance / police
	Other						

**Capability Assessment – continued**

Capability	✓ Program ✓ Organization	Yes	No	Department / Agency	Change since 2013 Plan? + Positive - Negative	How can these capabilities be expanded and improved to reduce risk?	Additional Comments
4. Education & Outreach	Firewise Communities Certification		X	Public Safety		Add fire prevention initiatives, such as education	
	StormReady Certification						
	Natural disaster or safety-related school programs		X	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 2013 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**

<b>Development / Property Name</b>	<b>Type of Development</b>	<b>Number of Structures</b>	<b>Location</b>	<b>Known Hazard Zone</b>	<b>Description / Status</b>
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**

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

## 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	Storm drainage improvements - Lehigh St. flooding, 33rd St. and Lehigh St. (by South Mall)				X		PennDOT worked on the issue along with South Mall. Action not carried through to the 2018 Action Plan.
2	Adopt and implement measures to mitigate the risk of sinkholes on new construction. Specifically, adopt a carbonate bedrock standard.			X			
3	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			
4	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 on going.
5	Continue to support the implementation, monitoring, maintenance, and updating of this Plan, as defined in Section 7.0			X			On-going
6	Complete the ongoing updates of the Comprehensive Emergency Management Plans			X			On-going
7	Create/enhance/ maintain mutual aid agreements with neighboring communities for continuity of operations.			X			On-going
8	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			On-going
9	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			On-going

**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	Adopt and implement measures to mitigate the risk of sinkholes on new construction. Specifically, adopt a carbonate bedrock standard.	Local plans & Regulations	Subsidence/ Sinkholes	High	Low	Township Budget	Township		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.	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.	Education & Awareness	All Hazards	High	Low-Medium	Municipal Budget	Municipality with support from Planning Partners, PEMA, FEMA	Short-term	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
4	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
5	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
6	Create/enhance/maintain mutual aid agreements with neighboring communities for continuity of operations.	All Categories	All Hazards	High	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.	Education & Awareness	All Hazards	Medium	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).	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

**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	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.	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.	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.	Education & Awareness	Pandemic and Infectious Disease	Medium	\$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.	Education & Awareness	Invasive Species	Medium	\$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.	Education & Awareness	Invasive Species	Medium	\$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.	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.	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 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