

Lower Saucon Township, Northampton County Annex

Hazard Mitigation Plan Points-of-Contact

Primary:

N/A

Alternate:

Bryan Evans
Emergency Management Coordinator
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Municipal Profile

Lower Saucon Township is a rural township located in the southern part of Northampton County, on the border with Bucks County. It encompasses an area of approximately 24.3 square miles, and has a population of 11,094 (2020 Census). The township is bordered by the City of Bethlehem to the north and northwest; Hellertown Borough (which is nearly surrounded by the township); Freemansburg Borough to the northwest; Bethlehem Township to the north; Easton to the northeast; Williams Township to the east; Durham Township and Springfield Township, both in Bucks County, to the south; Upper Saucon Township (Lehigh County) to the southwest; Salisbury Township (Lehigh County) to the west; and Fountain Hill (Lehigh County) to the northwest.

The Lehigh River forms the township's northern border with Bethlehem Township.

Interstate 78 passes east-west through the eastern and western parts of the township around Hellertown. Major north-south roads through the township include PA Route 378 in the western part of the township, PA Route 412 in the south-central part of the township, the PA Route 33 interchange in the northeastern corner, and Lower Saucon Road in the eastern part of the township.

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.

Mark Hudson, Township Manager – *resigned*
Role:

Bryan Evans, Emergency Management Coordinator
Role:

Roger Rasich, Director of Public Works
Role:

James S. Young, Zoning Officer – *resigned*
Role: Floodplain Administrator, Building Code Official

Thomas H. Barndt, Chief of Police
Role: Input, Administration and Preparation

Brien Kocher, Township Engineer
Role:

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.

None

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 2018 Hazard Mitigation Plan.

Current: None

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	Permit review, GIS mapping, ordinance enforcement
What are the barriers to running an effective NFIP program in the community, if any?	Community FPA	N/A
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)?		No
When was the most recent Community Assistance Visits (CAV) or Community Assistance Contact (CAC)?		2014
Is a CAV or CAC scheduled or needed?		N/A
3. Regulation		
When did the community enter the NFIP?	NFIP Community Status Book	6/28/1974
Are the Flood Insurance Rate Maps (FIRMs) digital or paper? How are residents assisted with mapping?	Community FPA	Digital and paper, available for inspection at township offices
Do floodplain regulations meet or exceed FEMA or State minimum requirements? If so, in what ways?	Community FPA	Meet
Describe the permitting process	Community FPA, State, FEMA NFIP	The zoning officer and township engineer reviews permits. The Zoning Hearing Board can grant relief.

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

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	As of 9/22/2023 – 30 policies & \$21,764 in premiums
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	As of 9/22/2023 – 30 claims & \$427,595.19 paid to claims
How many structures are exposed to flood risk within the community?	Community FPA or GIS Analyst	
Describe any areas of flood risk with limited NFIP policy coverage	Community FPA or FEMA Insurance Specialist	Zone AE = 29; Zone A = 6
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.

Society Hill / 4-Season Condominium Communities	Weston Senior Living
Saucon Valley School District	VNA – St. Luke’s Hospital Hospice
Black River Apartments	LifePath Group Homes

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

Saucon Valley School District – Sports Events, Performances, etc.	Polk Valley Park – Sports Events
Saucon Valley Community Center – Sr. Program – Seidersville Hall	Meadows Grove Banquet Facility
Town Hall - Sports	

2. Economy

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

IESI Bethlehem Landfill	Saucon Valley Square
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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.

Black River, Saucon Creek, & east branch of Saucon Creek Corridors (wide and meandering allow for dissipation of force and velocity).

Hellertown Reservoir

Community Assets – continued

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.

Meadows Grove Banquet Facility	Exxon Gas Station
Black River Apartments	Speedway Gas Station
Scenic View Apartments	Limited Access to Steel City

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

No wells or treatment plants

Electric distribution system is vulnerable due to slopes, trees, etc. and adjacent roadways.

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

Hellertown Reservoir	Columbia Gas Substation
PPL Electric Substations	UGI LNG Storage Facility, Bethlehem (proposed)
IESI Bethlehem Landfill & Bethlehem Renewable Energy Gas-to-Energy Plant	

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

Saucon Valley School Campus	Steel City Fire Station
Leithsville Fire Station	Lower Saucon Township Police Department
Se-Wy-Co Fire Station	LifePath
Southeastern Fire Station	Weston Senior Living

Community Assets – continued

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

Town Hall Park	Saucon Valley School District
Polk Valley Park	Lehigh Mountaintop Campus
Steel City Park	Michael Heller Homestead & Park
Southeastern Park	Lutz-Franklin Schoolhouse
Bethlehem Park	

Capability Assessment

Capability	<ul style="list-style-type: none"> ✓ 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	2020 updated		Administration; Zoning	N				Joint Plan w/ Hellertown
	Capital Improvement Plan									
	Economic Development Plan									
	Continuity of Operations Plan									
	Stormwater Management Plan / Ordinance	X	2007		Zoning, Engineer	S				
	Open Space Management Plan (or Parks/Rec., Greenways Plan)	X	2006		Administration					Joint Plan w/ Upper Saucon
	Natural Resource Protection Plan	X	2011		Zoning					Part of Zoning Ordinance
	Transportation Plan									
	Historic Preservation Plan									
	Floodplain Management Plan	X	2014		Zoning	S				Based on County Model
	Farmland Preservation									
	Evacuation Plan									
	Disaster Recovery Plan									
	Hazard Mitigation Plan	X	2018		Administration	S		N/A		
	Emergency Operations Plan	X	11/2019							
Zoning Regulations	X	2016		Zoning	N					
Floodplain Regulations	X	2014		Zoning	S					

Capability Assessment – continued

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	NFIP Participation	X	2017		Zoning	S				
	Building Code	X	2017		Zoning	S				2018 ICC Series; Standard PA Uniform Construction Code
	Fire Code									
	Other									

Capability Assessment – continued

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		Zoning & Consultant	No	
Planners or engineers (with natural and / or human caused hazards knowledge)							
Engineers or professionals trained in building and / or infrastructure construction practices (including building inspectors)							
Emergency Manager		X		Emergency Management Coordinator	No		
Floodplain administrator / manager		X		Zoning	No		
Land surveyors							
Staff familiar with the hazards of the community		X		Police, Public Works, Zoning	No		
Personnel skilled in Geographical Information Systems (GIS) and / or FEMA's HAZUS program		X		Zoning, Public Works	No	Yes	
Grant writers or fiscal staff to handle large / complex grants		X		Finance	No		
Other							

Capability Assessment – continued

Capability			Department / Agency	Change since 2018 Plan? + Positive - Negative	How can these capabilities be expanded and improved to reduce risk?	Additional Comments
	Yes	No				
3. Financial Resources	Capital improvement programming	X		Council; Administration	Yes	Appropriated additional funding toward emergency reserves
	Community Development Block Grants (CDBG)		X			
	Special purposes taxes	X		Council	Open Space	0.25 EIT Purchasing of property that could benefit both Open Space & Hazard Mitigation
	Gas / Electricity utility fees		X			
	Water / Sewer fees		X			
	Stormwater utility fees		X			
	Development impact fees	X		Administration; Council	None- Council has not adopted policy	Can impose developer fees by Ordinance
	General obligation, revenue, and / or special tax bonds	X		Administration; Council	No need at this time	We do have borrowing base available if needed
	Partnering arrangements or intergovernmental agreements	X		Council of Governments	Hellertown Borough; Saucon Valley School District	Take point on developing Comprehensive Plan
Other						

Capability Assessment – continued

Capability	✓ Program ✓ Organization	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				Capitalize on social media and township newsletter for regular communication and reminders with the community.	
	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				
	Other						N/A

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			No	
	Administrative and Technical	X			No	
	Financial	X			No	
	Education and Outreach	X			No	

Known or Anticipated Future Development / Redevelopment

Development / Property Name	Type of Development	Number of Structures	Location	Known Hazard Zone	Description / Status
Saucon Overlook	Residential	18	Spring Valley Road	N/A	Plan Recorded
IESI Landfill Southeastern Realignment	Commercial	N/A	2335 Applebutter Road		Final Approval 2017
Majestic Bethlehem	Commercial	N/A	Commerce Center Boulevard		Final Approval Recorded

Natural & Non-Natural Event History Specific to Lower Saucon Township

Type of Event and Date(s)	FEMA Disaster # (if applicable)	Local Damage(s) or Loss(es)
COVID-19 Pandemic – March, 2020	DR-4506-PA	Emergency Protective measures to combat COVID-19 Pandemic.
Remnants of Hurricane Ida – August, 2022	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	Lower Saucon Road culvert replacement at Alpine Drive.				X		
2	Reading Drive streambank stabilization at Saucon Creek east of Bingen Road.				X		
3	Redington Road East - streambank stabilization.				X		
4	Black River Road channel capacity improvements east of State Route 378.	X					
5	Reading Drive culvert replacement at Creek View Drive.	X					
6	Wassergass Road storm sewer improvements west of Wilhelm Road.	X					
7	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				
8	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				
9	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			

2018 Municipal Action Plan Status – continued

	Existing Mitigation Action (from 2018 Hazard Mitigation Plan)	Status					Additional Comments
		No Progress / Unknown	In Progress	Continuous	Completed	Discontinued	
10	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					
11	Begin and/or continue the process to adopt higher regulatory standards to manage flood risk (i.e. increased freeboard, cumulative substantial damage/improvements).		X				
12	Determine if a Community Assistance Visit (CAV) or Community Assistance Contact (CAC) is needed, and schedule if needed.		X				
13	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				
14	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				
15	Obtain and archive elevation certificates for NFIP compliance.			X			
16	Continue to support the implementation, monitoring, maintenance, and updating of this Plan, as defined in Section 7.0.			X			
17	Complete the ongoing updates of the Comprehensive Emergency Management Plans.			X			
18	Create/enhance/maintain mutual aid agreements with neighboring communities for continuity of operations.			X			

2018 Municipal Action Plan Status – continued

	Existing Mitigation Action (from 2018 Hazard Mitigation Plan)	Status					Additional Comments
		No Progress / Unknown	In Progress	Continuous	Completed	Discontinued	
19	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			
20	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			
21	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			
22	Devise an employee vaccination and immunization plan to prevent an outbreak within the municipal employee ranks.			X			
23	Devise a municipal continuity of operations plan to keep essential services running in the event that a significant portion of the workforce is affected.			X			
24	Devise a public education and outreach plan regarding disease prevention.			X			
25	Provide education and outreach to residents regarding how to prevent the spread of invasive species, including quarantine procedures.			X			
26	Develop a neighborhood cleanup plan designed to remove discarded tires, trash and other items in which standing water can form.			X			
27	Provide training and education for first responders to ensure effective emergency care.			X			
28	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		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	Lower Saucon Road culvert replacement at Alpine Drive.	14	Structure & Infrastructure	Flood	Medium	Medium	Municipal Budget; FEMA Mitigation Grant Programs	Municipal Engineering & Department of Public Works	Long-term (depending on funding)	Existing
2	Reading Drive streambank stabilization at Saucon Creek east of Bingen Road.	14	Structure & Infrastructure, Natural Systems Protection	Flood	Medium	High	Municipal Budget; FEMA Mitigation Grant Programs	Municipal Engineering & Department of Public Works	Long-term (depending on funding)	Existing
3	Redington Road East - streambank stabilization.	14	Structure & Infrastructure, Natural Systems Protection	Flood	Medium	High	Municipal Budget; FEMA Mitigation Grant Programs	Municipal Engineering & Department of Public Works	Long-term (depending on funding)	Existing
4	Black River Road channel capacity improvements east of State Route 378.	14	Structure & Infrastructure	Flood	Medium	Medium	Municipal Budget; FEMA Mitigation Grant Programs	Municipal Engineering & Department of Public Works	Long-term (depending on funding)	Existing
5	Reading Drive culvert replacement at Creek View Drive.	14	Structure & Infrastructure	Flood	Medium	Medium	Municipal Budget; FEMA Mitigation Grant Programs	Municipal Engineering & Department of Public Works	Long-term (depending on funding)	Existing

2023 Mitigation Action Plan – continued

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
6	Wassergass Road storm sewer improvements west of Wilhelm Road.	14	Structure & Infrastructure	Flood	Medium	Medium	Municipal Budget; FEMA Mitigation Grant Programs	Municipal Engineering & Department of Public Works	Long-term (depending on funding)	Existing
7	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 & local budget (or property owner) for cost share	Municipality (via Municipal Engineer/NFIP Floodplain Administrator) w/ support from PEMA, FEMA	Long-term (depending on funding)	Existing

2023 Mitigation Action Plan – continued

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
<p>8 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.</p>	2	Structure & Infrastructure	Flood	High	High	FEMA Mitigation Grant Programs & local budget (or property owner) for cost share	Municipality (via Municipal Engineer/NFIP Floodplain Administrator) w/ support from PEMA, FEMA	Long-term (depending on funding)	Existing

2023 Mitigation Action Plan – continued

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
9	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) w/ support from PEMA, ISO FEMA	Ongoing	New & Existing

2023 Mitigation Action Plan – continued

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
<p>10 Conduct and facilitate community & public education & outreach for residents & businesses to include, but not be limited to, the following to promote & effect natural hazard risk reduction: Provide & maintain links to the HMP website, & regularly post notices on the County/municipal homepage(s) referencing the HMP webpages. Prepare & distribute informational letters to flood vulnerable property owners & neighborhood associations, explaining the availability of mitigation grant funding to mitigate their properties, & instructing them on how they can learn more & implement mitigation. Use email notification systems & newsletters to better educate the public on flood insurance, the availability of mitigation grant funding, & personal natural hazard risk reduction measures. Work with neighborhood associations, civic & business groups to disseminate information on flood insurance & the availability of mitigation grant funding.</p>	4	Education & Awareness	All Hazards	High	Low-Medium	Municipal Budget	Municipality w/ support From Planning Partners, PEMA, FEMA	Short-term	N/A

2023 Mitigation Action Plan – continued

	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
11	Begin and/or continue the process to adopt higher regulatory standards to manage flood risk (i.e. increased freeboard, cumulative substantial damage/improvements).	5	Local Plans & Regulations	Flood	High	Low	Municipal Budget	Municipality (via Municipal Engineer/NFIP Floodplain Administrator) w/ support from PEMA, FEMA	Short-term	New & Existing
12	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 w/ support from PADEP, PEMA, FEMA	Short-term	N/A
13	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

2023 Mitigation Action Plan – continued

	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
14	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 w/ support from PADEP, PEMA, FEMA	Short-term	N/A
15	Obtain and archive elevation certificates for NFIP compliance.	8	Local Plans & Regulations	Flood	Low	Low	Municipal Budget	NFIP Floodplain Administrator	Ongoing	N/A
16	Continue to support the implementation, monitoring, maintenance, and updating of this Plan, as defined in Section 7.0.	9	All Categories	All Hazards	Medium	Low – High (for 5-year update)	Municipal Budget, possibly FEMA Mitigation Grant Funding for 5-year update	Municipality (via mitigation planning point of contacts) w/ support from Planning Partners (through their Points of Contact), PEMA	Ongoing	New & Existing
17	Complete the ongoing updates of the Comprehensive Emergency Management Plans.	10	Local Plans & Regulations	All Hazards	Medium	Low	Municipal Budget	Municipality w/ support from PEMA	Ongoing	New & Existing

2023 Mitigation Action Plan – continued

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
18	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
19	Develop and maintain capabilities to process FEMA/PEMA paperwork after disasters; qualified damage assessment personnel – Improve post-disaster capabilities – damage assessment;	12	Education & Awareness	All Hazards	Low	Medium	Municipal Budget	Municipality w/ support from County, PEMA, FEMA	Short-term	N/A
20	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 w/ support from County, PEMA	Short-, long-term (depending on funding)	N/A
21	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 & Infectious Disease	Medium	Low	Municipal Budget	Municipality, working w/ County EMA & PA Department of Health	Ongoing	N/A

2023 Mitigation Action Plan – continued

	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
22	Devise an employee vaccination and immunization plan to prevent an outbreak within the municipal employee ranks.	27	Local Plans & Regulations	Pandemic & Infectious Disease	High	Low	Municipal Budget	Municipality	Short-term	N/A
23	Devise a municipal continuity of operations plan to keep essential services running in the event that a significant portion of the workforce is affected.	11	Local Plans & Regulations	Pandemic & Infectious Disease	Medium	Low	Municipal Budget	Municipality	Short-term	N/A
24	Devise a public education and outreach plan regarding disease prevention.	27	Education & Awareness	Pandemic & Infectious Disease	High	Low	Municipal Budget	Municipality	Ongoing	N/A
25	Provide education and outreach to residents regarding how to prevent the spread of invasive species, including quarantine procedures.	27	Education & Awareness	Invasive Species	High	Low	Municipal Budget	Municipality	Ongoing	N/A
26	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	Low	Municipal Budget	Municipality	Short-term	N/A
27	Provide training and education for first responders to ensure effective emergency care.	27	Local Plans & Regulations	Drug Overdose Crisis	High	Low	Municipal Budget	Municipality	Ongoing	N/A

2023 Mitigation Action Plan – continued

	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
28	Provide education and outreach, especially in K-12, regarding drug abuse prevention.	27	Education & Awareness	Drug Overdose Crisis	High	Low	Municipal Budget	Municipality / School District	Ongoing	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