

Lower Mount Bethel Township, Northampton County Annex

Hazard Mitigation Plan Points-of-Contact

Primary:

Jennifer W. Smethers
Township Manager / Local EMC
2004 Hutchinson Avenue, Martins Creek, PA 18063
610-252-5074
manager@lowermtbethel.org

Alternate:

Justin Coyle
Township Engineer
949 Easton Road, Warrington, PA 18976
215-343-5700, Extension: 317
jcoyle@carrollengineering.com

Municipal Profile

Lower Mount Bethel Township is a rural township located in the northeastern part of Northampton County along the Delaware River. It encompasses an area of 24.7 square miles and has a population of 2,921 (2020 Census). The township is bordered by the Delaware River and state of New Jersey to the south and east; Upper Mount Bethel Township (Northampton County) to the northeast; Washington Township (Northampton County) to the northwest; and Plainfield Township and Forks Township (both in Northampton County) to the southwest.

Lower Mount Bethel has approximately 49 linear miles of streams, including 8.5 miles of frontage on the lower Delaware River. In addition to direct drainage into the Delaware River, there are six sub-watersheds in the township: Martins / Jacoby Creek watershed, Oughoughton Creek sub-watershed, Martins Creek, Mud Run sub-watershed, and two intermittent streams. All watersheds in the township are drained by the Delaware River, which forms its eastern and southern boundary and separates it from New Jersey. Martins Creek, the most significant in the township, collects from and flows through the southwestern part of the township before emptying to the Delaware near the southern boundary of the township.

Route 611 crosses the township north south on its path between Portland and Easton. SR 1017 known as Richmond Road runs north south in the northeast of the township. The primary east west route runs from lower west to upper east through the township, beginning as SR 1002 / Uhler Road, becoming Front Street, and then SR 611 / N. Delaware Drive. SR 1004 / Martins Creek-Belvidere Highway crosses the Delaware River to New Jersey at the Riverton-Belvidere Bridge.

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.

Jennifer W. Smethers, Township Manager / Local EMC
Role: Delegate

Justin Coyle, Township Engineer
Role: Documentation / Input Alternate

John Mauser, Special Projects
Role: Advisory

Pat McInerney, Planning Commission Chair
Role: Advisory

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.

Talen Energy and Ardent Mills are major employers in the area.

Haines and Kibblehouse (H&K Group) – transportation, construction, demolition, emergency response

Allstate Septic – pumping, portable restrooms, etc.

Palmeri Group – transportation, excavation & hauling, water hauling

New Enterprise Stone and Lime

Delaware Quarries

Hazard Mitigation coordination meetings are anticipated between community stakeholders and the Township

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: Lower Mount Bethel Township will provide information regarding hazard mitigation on the Township website along with a PDF copy of the most recent iteration of the floodplain map.

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	NFIP administration services currently include permit review, GIS mapping, field inspections and engineering review.
What are the barriers to running an effective NFIP program in the community, if any?	Community FPA	We are not aware of any barriers in place that would hinder an effective NFIP program in the community.
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)?		Unknown
Is a CAV or CAC scheduled or needed?		No
3. Regulation		
When did the community enter the NFIP?	NFIP Community Status Book	1/4/1974
Are the Flood Insurance Rate Maps (FIRMs) digital or paper? How are residents assisted with mapping?	Community FPA	Township Flood Insurance Rate Maps (FIRM's) are digital. The Township provides mapping assistance to any resident with property that requires it.
Do floodplain regulations meet or exceed FEMA or State minimum requirements? If so, in what ways?	Community FPA	The floodplain requirements currently in place meet FEMA requirements.
Describe the permitting process	Community FPA, State, FEMA NFIP	The Floodplain Building Permit application first needs to be completed by the applicant. It is then reviewed by the Floodplain Administrator for compliance with the floodplain ordinance and NFIP.

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 – 64 policies & \$88,185 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 – 245 claims & \$8,015,909.41 paid to claims
How many structures are exposed to flood risk within the community?	Community FPA or GIS Analyst	The Township is currently updating their GIS database to include comprehensive floodplain data. This data will be used to determine the number of structures in the community exposed to flood risk.
Describe any areas of flood risk with limited NFIP policy coverage	Community FPA or FEMA Insurance Specialist	Unknown
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 – The community does not participate in CRS.
What categories and activities provide CRS points and how can the Class be improved?		N/A – The community does not participate in CRS.
Does the plan include CRS planning requirements?	Community FPA, FEMA CRS Coordinator, or ISO representative	N/A – The community does not participate in CRS.

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.

There are no concentrations of vulnerable populations located in Lower Mount Bethel Township to our knowledge.

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

Special events drawing large crowds; Community Day, Tree Lighting, LMB/SEFCO Car Show.

2. Economy

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

Talen Energy (formerly PPL Electric) and Ardent Mills are the only two major employers located within the Township.

They are part of the energy and food production sectors, respectively.

Haines and Kibblehouse (H&K Group) - transportation, construction, demolition, emergency response

Allstate Septic – pumping, portable restrooms, etc.

Palmeri Group – transportation, excavation & hauling, water hauling

New Enterprise Stone and Lime

Delaware Quarries

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.

There are a number of riparian areas located within the Township that are capable of providing protective functions to reduce the magnitude of hazardous events.

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.

There are a number of properties along the Delaware River, Martins Creek and Mud Run that could be considered vulnerable to hazards based on their locations.

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

Talen Energy is the only public utility in the Township and provides electricity. A UGI gas pipeline runs through the township and supplies a large portion of New Jersey.

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

There are no high potential loss facilities located within the Township.

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

There are no critical facilities located within the Township.

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

There are no notable cultural / historic resources located within the Township.

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	2022		Planning Commission, Engineering	S	Yes	No		(UD) Slate Belt Committee
	Capital Improvement Plan			X		N	No	No		
	Economic Development Plan									
	Continuity of Operations Plan									
	Stormwater Management Plan / Ordinance	X	2014		Engineering	S	Yes	Yes		
	Open Space Management Plan (or Parks/Rec., Greenways Plan)	X	2010		Planning Commission, Zoning, Engineering	S	No	No		
	Natural Resource Protection Plan	X			Planning Commission	S	No	No		Zoning Ordinance
	Transportation Plan	X			Planning Commission, Engineering	S	No	No		Part of the Comprehensive Plan
	Historic Preservation Plan									
	Floodplain Management Plan	X	2014		Floodplain Administrator	S	Yes	Yes		

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	Farmland Preservation	X	2010		Planning Commission & Zoning	S	No	No		CAPZO Ordinance
	Evacuation Plan									
	Disaster Recovery Plan									
	Hazard Mitigation Plan	X	2018		X	S	No	N/A		
	Emergency Operations Plan	X	2022		Administration	S	+	Yes		
	Zoning Regulations	X	7/2022		Administration/ Planning Commission	S	Yes	Yes		
	Floodplain Regulations	X	2014		Floodplain Administrator	S	Yes	Yes		
	NFIP Participation	X	2014			S	Yes	Yes		
	Building Code	X	2004		Building Code Official	S	No	No		
	Fire Code	X	2004		Building Code Official	S	No	No		
	Other									

Capability Assessment – continued

Capability	✓ Staff ✓ Personnel ✓ Resources			Department / Agency	Change since 2018 Plan? + Positive - Negative	How can these capabilities be expanded and improved to reduce risk?	Additional Comments
		Yes	No				
2. Administrative & Technology	Planners (with land use / land development knowledge)	X		Planning Commission	No		
	Planners or engineers (with natural and / or human caused hazards knowledge)	X		Planning Commission & Engineering	No		
	Engineers or professionals trained in building and / or infrastructure construction practices (including building inspectors)	X		Building Code Official & Building Inspectors	No		3 rd party Carroll Engineering
	Emergency Manager	X		Twp Manager	Yes		
	Floodplain administrator / manager	X		Engineering	No		
	Land surveyors	X		Engineering	No		
	Staff familiar with the hazards of the community	X		Planning	No		
	Personnel skilled in Geographical Information Systems (GIS) and / or FEMA's HAZUS program	X		Engineering	No		
	Grant writers or fiscal staff to handle large / complex grants	X		Administration	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		Administration	No	
	Community Development Block Grants (CDBG)	X		Administration	No	
	Special purposes taxes	X		Administration	No	
	Gas / Electricity utility fees					
	Water / Sewer fees					
	Stormwater utility fees					
	Development impact fees					
	General obligation, revenue, and / or special tax bonds					
	Partnering arrangements or intergovernmental agreements	X		Administration	No	
	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		Board of Supervisors, Administration, Planning & Engineering	No		
	Public-private partnership initiatives addressing disaster related issues.		X				
	Local citizen groups or non-profit organizations focused on environmental protection, emergency preparedness, access and functional needs populations, etc.	X		Environmental Advisory Committee, EMC	No		
	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		No change	
	Administrative and Technical			X	No change	
	Financial		X		No change	
	Education and Outreach		X		No change	

Known or Anticipated Future Development / Redevelopment

Development / Property Name	Type of Development	Number of Structures	Location	Known Hazard Zone	Description / Status
No record of future development	N/A	N/A	N/A	N/A	N/A

Natural & Non-Natural Event History Specific to Lower Mount Bethel 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.
Remnants of Hurricane Ida	DR-4618-PA	Assistance to eligible individuals and families affected by this disaster.
Flash Flooding 7/2023		Assistance to eligible individuals and families affected by disaster (SBA and DRAP)

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 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			
2 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			
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. 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			

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	
5	Begin and/or continue the process to adopt higher regulatory standards to manage flood risk (i.e. increased freeboard, cumulative substantial damage/improvements) and sinkhole risk (e.g. carbonate bedrock standards).			X			
6	Determine if a Community Assistance Visit (CAV) or Community Assistance Contact (CAC) is needed, and schedule if needed.			X			
7	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			
8	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			
9	Obtain and archive elevation certificates for NFIP compliance.			X			
10	Continue to support the implementation, monitoring, maintenance, and updating of this Plan, as defined in Section 7.0.			X			
11	Complete the ongoing updates of the Comprehensive Emergency Management Plans.			X			
12	Create/enhance/maintain mutual aid agreements with neighboring communities for continuity of operations.			X			
13	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			
14	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			
15	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			
16	Devise an employee vaccination and immunization plan to prevent an outbreak within the municipal employee ranks.			X			
17	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			

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	
18	Devise a public education and outreach plan regarding disease prevention.			X			
19	Provide education and outreach to residents regarding how to prevent the spread of invasive species, including quarantine procedures.			X			
20	Develop a neighborhood cleanup plan designed to remove discarded tires, trash and other items in which standing water can form.			X			
21	Provide training and education for first responders to ensure effective emergency care.			X			
22	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	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, Windstorm/ Tornado, Winter Storm, Earthquake	High	High	FEMA Mitigation Grant Programs and 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
2	Purchase, or relocate structures located in hazard- prone areas to protect structures from future damage, with repetitive loss and severe repetitive loss properties as priority. Phase 1: Identify appropriate candidates for relocation based on cost-effectiveness versus retrofitting. Phase 2: Where relocation is determined to be a viable option, work with property owners toward implementation of that action based on available funding from FEMA and local match availability.	2	Structure & Infrastructure	Flood	High	High	FEMA Mitigation Grant Programs and local budget (or property owner) for cost share	Municipality (via Municipal Engineer/NFIP Floodplain Administrator) 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
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.	3	Local plans & Regulations	Flood, Windstorm/ Tornado, Winter Storm	High	Low - Medium	Local 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
4	<p>Conduct and facilitate community and public education and outreach for residents and businesses to include, but not be limited to, the following to promote and effect natural hazard risk reduction: Provide and maintain links to the HMP website, and regularly post notices on the County/municipal homepage(s) referencing the HMP webpages. Prepare and distribute informational letters to flood vulnerable property owners and neighborhood associations, explaining the availability of mitigation grant funding to mitigate their properties, and instructing them on how they can learn more and implement mitigation. 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.</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
5	Begin and/or continue the process to adopt higher regulatory standards to manage flood risk (i.e. increased freeboard, cumulative substantial damage / improvements) and sinkhole risk (e.g. carbonate bedrock standards).	5	Local plans & Regulations	Flood, Windstorm/ Tornado, Winter Storm	High	Low	Municipal Budget	Municipality (via Municipal Engineer/NFIP Floodplain Administrator) w/ support from PEMA, FEMA	Short-term	New & Existing
6	Determine if a Community Assistance Visit (CAV) or Community Assistance Contact (CAC) is needed, and schedule if needed.	3	Local plans & Regulations	Flood, Windstorm/ Tornado, Winter Storm	High	Low	Municipal Budget	NFIP Floodplain Administrator w/ support from PA DEP, PEMA, FEMA	Short-term (year 1)	N/A
7	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, Windstorm/ Tornado, Winter Storm	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
8	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, Windstorm/ Tornado, Winter Storm	High	Low	Municipal Budget	NFIP Floodplain Administrator w/ support from PA DEP, PEMA, FEMA	Short-term (year 1)	N/A
9	Obtain and archive elevation certificates for NFIP compliance.	8	Local plans & Regulations	Flood, Windstorm/ Tornado, Winter Storm	High	Low	Municipal Budget	NFIP Floodplain Administrator	Ongoing	N/A
10	Continue to support the implementation, monitoring, maintenance, and updating of this Plan.	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) w/ support from Planning Partners (through their Points of Contact), PEMA	Ongoing	New & Existing
11	Complete the ongoing updates of the Comprehensive Emergency Management Plans.	10	Local plans & Regulations	All Hazards	High	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
12	Create/enhance/maintain mutual aid agreements with neighboring communities for continuity of operations.	11	All Categories	All Hazards	High	Low	Municipal Budget	Municipality w/ support from surrounding municipalities and County	Ongoing	New & Existing
13	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	Medium	Medium	Municipal Budget	Municipality w/ support from County, PEMA, FEMA	Short-term	N/A
14	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
15	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 and 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
16	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
17	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
18	Devise a public education and outreach plan regarding disease prevention.	27	Education & Awareness	Pandemic & Infectious Disease	High	Low	Municipal Budget	Municipality	Ongoing	N/A
19	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
20	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
21	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
22	Provide education and outreach, especially in K12, regarding drug abuse prevention.	27	Education & Awareness	Drug Overdose Crisis	High	Low	Municipal Budget	Municipality/ School District	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
23	Help communities upstream and downstream of the Martin’s Creek SES Ash Basin No. 4 Dam) and communities that could be impacted by dam failure (e.g., loss of water for firefighting activities if they rely on a reservoir) to better understand their risk to be better prepared during an emergency.	4	Education & Awareness	Dam Failure, Flood	High	Low	Municipal Budget	Municipality	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