

# **Nazareth Borough, Northampton County Annex**

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

### **Primary:**

N/A

### **Alternate:**

Paul Kokolus  
Secretary / Treasurer  
134 South Main Street, Nazareth, PA 18064  
610-759-0202  
pakofnazpa@gmail.com

## **Municipal Profile**

Nazareth Borough is located in the central part of Northampton County. It encompasses an area of approximately 1.7 square miles, and has a population of 6,053 (2020 Census). The borough is bordered by Lower Nazareth Township to the south, and is otherwise surrounded by Upper Nazareth Township.

The Schoeneck Creek runs through the northeast part of the borough. Schoeneck Creek exits the borough on its western edge, carrying through Upper Nazareth Township until it dumps into the Bushkill Creek. Besides the Schoeneck Creek the borough also has a few bodies of standing water in mine pits.

PA Route 248 (Bath Pike / Easton Road) travels east-west along the boroughs southern border. Other east-west routes include Mauch Chunk Street, Belvidere Street, and Walnut Street in the central part of the borough; and High Street in the northern part of the borough. Broad Street and PA Route 191 (New Street) are the major north-south roadways.

## 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.

|  |  |
|--|--|
| Keith Knecht, Public Works Superintendent<br>Role: street closures, responses to spills, park & pool matters | Randall Miller, Police Commissioner<br>Role: Emergency police response                         |
| Albert Kortze, Borough Engineer<br>Role: Floodplain Administrator  | Barbara Fischl, Senior Planner<br>Role: Ranking & presiding head of planning commission        |
| Gerald Johnson, Fire Chief<br>Role: Emergency Fire Response  | Robert Norder, Nazareth Regional EMS Director<br>Role: Emergency medical services & transports |

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.

Moravian Hall Square, Borough's largest employer  
 Alexandria Manor, senior living  
 Oliver Border House, senior living

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: Newsletter will update residents, Borough website will publish updates, and police Facebook page will inform those who use social media.

Past: Same

## 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, GIS, education or outreach, inspections, engineering capability) | Community FPA  | Technical guidance, plan & permit review, site visits (if requested), assistance with map information. |
| What are the barriers to running an effective NFIP program in the community, if any?  | Community FPA  | None   |
| <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)?   |  | No outstanding issues or violations.   |
| When was the most recent Community Assistance Visits (CAV) or Community Assistance Contact (CAC)?   |  | Not known.   |
| Is a CAV or CAC scheduled or needed?  |  | Not scheduled at this time.  |
| <b>3. Regulation</b>  |  |  |
| When did the community enter the NFIP?  | NFIP Community Status Book   | 1/9/1974   |
| Are the Flood Insurance Rate Maps (FIRMs) digital or paper?<br>How are residents assisted with mapping?                                       | Community FPA  | Paper, they would be assisted by the floodplain administrator.   |
| Do floodplain regulations meet or exceed FEMA or State minimum requirements? If so, in what ways?   | Community FPA  | Meet the current FEMA requirements per the Borough's 2014 Floodplain ordinance.                        |
| Describe the permitting process   | Community FPA, State, FEMA NFIP                                    | Per Part 2 of the floodplain ordinance.  |
| <b>4. Insurance Summary</b>   |  |  |
| How many NFIP policies are in the community?<br>What is the total premium and coverage?   | State NFIP Coordinator or FEMA NFIP Specialist                     | As of 9/22/2023 – 6 policies & \$9,021 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 – 6 claims & \$30,146.10 paid to claims  |
| How many structures are exposed to flood risk within the community?   | Community FPA or GIS Analyst                                       | Approximately 10-12  |
| Describe any areas of flood risk with limited NFIP policy coverage  | Community FPA or FEMA Insurance Specialist                         | Not applicable   |

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

| 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<br>( <a href="http://www.fema.gov/floodinsurancemanual.gov">http://www.fema.gov/floodinsurancemanual.gov</a> ) | 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.

Four (4) senior living facilities;

Moravian Hall Square

Oliver Border House

Alexandria Manor

Silk Mill Senior Apartments

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

Great Nazareth Carnival

Christmas in Nazareth, 2nd Saturday of December

Nazareth Day, 3rd Saturday of July

Halloween Parade, 3rd Saturday of October

Martin on Main, 1st Saturday or August

### 2. Economy

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

Downtown

Moravian Hall Square

Broad Street Corridor

### 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.

None

**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.

Aged buildings in the downtown along Main Street, Center Street, Belvidere Street and Route 191.

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

Verizon building

Nazareth Borough Public Works Garage

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

None

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

|                                       |                                |
|---------------------------------------|--------------------------------|
| Nazareth Regional EMS                 | Floyd Shafer Elementary School |
| Moravian Hall Square Medical Facility | Holy Family School             |
| Police Station and Municipal Offices  | Vigilance Hose Fire Company    |

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

|                                  |   |
|----------------------------------|---|
| Whitfield House Museum           | Memorial Library of Nazareth and vicinity |
| Gray Cottage Moravian Settlement | Nazareth Center for the Arts              |
| Hall Square Military Academy     | Nazareth Borough Park                     |

## Capability Assessment

| Capability               | ✓ Regulatory<br>✓ Tools<br>✓ Programs                      | Status   |                         |                   | Department / Agency Responsible | Effect on Hazard Loss Reduction:<br>-Supports<br>-Neutral<br>-Hinders | Change since 2018 Plan?<br>+ Positive<br>- 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        |                         |                   |                                 | S   |   | No   |   |                     |
|                          | Capital Improvement Plan                                   |          |                         |                   |                                 |   |   |  |   |                     |
|                          | Economic Development Plan                                  |          |                         |                   |                                 |   |   |  |   |                     |
|                          | Continuity of Operations Plan                              |          |                         |                   |                                 |   |   |  |   |                     |
|                          | Stormwater Management Plan / Ordinance                     | X        |                         |                   |                                 | S   |   | No   |   |                     |
|                          | Open Space Management Plan (or Parks/Rec., Greenways Plan) |          |                         |                   |                                 |   |   |  |   |                     |
|                          | Natural Resource Protection Plan                           |          |                         |                   |                                 |   |   |  |   |                     |
|                          | Transportation Plan  |          |                         |                   |                                 |   |   |  |   |                     |
|                          | Historic Preservation Plan                                 |          |                         |                   |                                 |   |   |  |   |                     |
|                          | Floodplain Management Plan                                 | X        |                         |                   |                                 | S   |   | No   |   |                     |
|                          | Farmland Preservation                                      |          |                         |                   |                                 |   |   |  |   |                     |
|                          | Evacuation Plan  |          |                         |                   |                                 |   |   |  |   |                     |
|                          | Disaster Recovery Plan                                     |          |                         |                   |                                 |   |   |  |   |                     |
|                          | Hazard Mitigation Plan                                     | X        | 2/2019                  |                   |                                 | S   |   | N/A  |   |                     |
|                          | Emergency Operations Plan                                  | X        | 12/2021                 |                   |                                 |   |   |  |   |                     |
|                          | Zoning Regulations   | X        |                         |                   |                                 | S   |   | No   |   |                     |
|                          | Floodplain Regulations                                     | X        |                         |                   |                                 | S   |   |  |   |                     |
|                          | NFIP Participation   |          |                         |                   |                                 |   |   |  |   |                     |
| Building Code            | X  |          |                         |                   | N                               |   | No  |  |   |                     |
| Fire Code                | X  |          |                         |                   | N                               |   | No  |  |   |                     |
| 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 2018 Plan?<br>+ Positive<br>- Negative | How can these capabilities be expanded and improved to reduce risk? | Additional Comments                              |
|---|---|-----|----|---------------------|---|---|--|
|   |   |     |    |                     |   |   |  |
| <b>2. Administrative &amp; Technology</b> | Planners (with land use / land development knowledge)   | X   |    |                     | N   |   |  |
|   | Planners or engineers (with natural and / or human caused hazards knowledge)  | X   |    |                     | N   |   |  |
|   | Engineers or professionals trained in building and / or infrastructure construction practices (including building inspectors) | X   |    |                     | N   |   |  |
|   | Emergency Manager   | X   |    |                     | N   |   |  |
|   | Floodplain administrator / manager  | X   |    |                     | N   |   |  |
|   | Land surveyors  |     | X  |                     | N   |   | We would contract outside the borough if needed. |
|   | Staff familiar with the hazards of the community  |     |    |                     |   |   |  |
|   | Personnel skilled in Geographical Information Systems (GIS) and / or FEMA's HAZUS program                                     |     |    |                     |   |   |  |
|   | Grant writers or fiscal staff to handle large / complex grants  |     |    |                     |   |   |  |
|   | Other   |     |    |                     |   |   |  |



**Capability Assessment – continued**

| Capability                    |   |    |   | Department / Agency | Change since 2018 Plan?<br>+ Positive<br>- Negative | How can these capabilities be expanded and improved to reduce risk? | Additional Comments  |
|-------------------------------|---|----|---|---------------------|---|---|--|
|                               | Yes   | No |   |                     |   |   |  |
| <b>3. Financial Resources</b> | Capital improvement programming                         | X  |   |                     | N   |   |  |
|                               | Community Development Block Grants (CDBG)               | X  |   |                     | N   |   |  |
|                               | Special purposes taxes                                  |    | X |                     | N   |   |  |
|                               | Gas / Electricity utility fees                          |    | X |                     | N   | N/A   |  |
|                               | Water / Sewer fees                                      |    | X |                     | N   | N/A   |  |
|                               | Stormwater utility fees                                 |    | X |                     | N   |   | There is discussion about the potential benefits of stormwater fees. |
|                               | Development impact fees                                 |    | X |                     | N   |   |  |
|                               | General obligation, revenue, and / or special tax bonds |    | X |                     | N   |   |  |
|                               | Partnering arrangements or intergovernmental agreements |    | X |                     | N   |   |  |
|                               | Other   |    |   |                     |   |   |  |

**Capability Assessment – continued**

| Capability              | ✓ Program<br>✓ Organization   |     |    | Department / Agency | Change since 2018 Plan?<br>+ Positive<br>- Negative | How can these capabilities be expanded and improved to reduce risk? | Additional Comments  |
|-------------------------|---|-----|----|---------------------|---|---|--|
|                         |   | Yes | No |                     |   |   |  |
| 4. Education & Outreach | Firewise Communities Certification  |     | X  |                     | No  |   |  |
|                         | StormReady Certification  |     | X  |                     | No  |   |  |
|                         | Natural disaster or safety-related school programs  |     | X  |                     | No  |   |  |
|                         | Ongoing public education or information programs such as, responsible water use, fire safety, household preparedness, and environmental education.          | X   |    |                     | No  |   | We use a newsletter to discuss these topics with residents.                |
|                         | Public-private partnership initiatives addressing disaster related issues.  |     | X  |                     | No  |   | We typically do not have natural disasters. This is not a known need area. |
|                         | Local citizen groups or non-profit organizations focused on environmental protection, emergency preparedness, access and functional needs populations, etc. |     |    |                     |   |   |  |
|                         | Other   |     |    |                     |   |   |  |

| Capability           |                              | Degree of Capability |          |      | Change since the 2018 Hazard Mitigation Plan?<br>If so, how? | Additional Comments   |
|----------------------|------------------------------|----------------------|----------|------|--|---|
|                      |                              | Limited              | Moderate | High |  |   |
| 5. Self – Assessment | Planning and Regulatory      | X                    |          |      | None   | Three (3) Emergency Management Agency Directors since 2013. |
|                      | Administrative and Technical |                      | X        |      | Better equipped  | New Emergency Management Agency Director in October 2017.   |
|                      | Financial                    |                      |          | X    | Very stable  | Two (2) tax increases have helped                           |
|                      | Education and Outreach       | X                    |          |      | None   | No change   |

### Known or Anticipated Future Development / Redevelopment

| Development / Property Name | Type of Development | Number of Structures | Location | Known Hazard Zone | Description / Status |
|-----------------------------|---------------------|----------------------|----------|-------------------|----------------------|
| Currently none.             |                     |                      |          |                   |                      |

### Natural & Non-Natural Event History

| 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. |

## 2018 Municipal Action Plan Status

|   | Existing Mitigation Action<br>(from 2018 Hazard Mitigation Plan)   | Status                   |             |            |           |              | Additional Comments                         |
|---|--|--------------------------|-------------|------------|-----------|--------------|---|
|   |  | No Progress /<br>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.<br>Phase 1: Identify appropriate candidates for retrofitting based on cost effectiveness versus relocation.<br>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            | Action carried through to 2018 Action Plan. |
| 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.<br>Phase 1: Identify appropriate candidates for relocation based on cost-effectiveness versus retrofitting.<br>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                        |             |            |           |              | Action carried through to 2018 Action Plan. |
| 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 as Initiatives below. | X                        |             |            | X         |              | Action carried through to 2018 Action Plan. |

## 2018 Municipal Action Plan Status – *continued*

|    | Existing Mitigation Action<br>(from 2018 Hazard Mitigation Plan)   | Status                   |             |            |           |              | Additional Comments                         |
|----|--|--------------------------|-------------|------------|-----------|--------------|---|
|    |  | No Progress /<br>Unknown | In Progress | Continuous | Completed | Discontinued |   |
| 4  | Conduct and facilitate community and public education for residents and businesses to include, but not be limited to, the following to promote and effect hazard risk reduction:<br>- Provide and maintain links to the HMP website, and regularly post notices on the County/municipal homepage(s) referencing the HMP webpages.<br>- 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.<br>- 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.<br>- Work with neighborhood associations, civic and business groups to disseminate information on flood insurance and the availability of mitigation grant funding. | X                        |             |            |           |              | Action carried through to 2018 Action Plan. |
| 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  | 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          |           |              | Action carried through to 2018 Action Plan. |
| 7  | 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          |           |              | Action carried through to 2018 Action Plan. |
| 8  | Obtain and archive elevation certificates for NFIP compliance.   |                          |             | X          |           |              |   |
| 9  | Continue to support the implementation, monitoring, maintenance, and updating of this Plan, as defined in Section 7.0.   |                          |             | X          |           |              |   |
| 10 | Complete the ongoing updates of the Comprehensive Emergency Management Plans.  |                          |             | X          |           |              |   |
| 11 | Create/enhance/maintain mutual aid agreements with neighboring communities for continuity of operations.   |                          |             | X          |           |              |   |
| 12 | 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          |           |              |   |

**2018 Municipal Action Plan Status – continued**

|    | Existing Mitigation Action<br>(from 2018 Hazard Mitigation Plan)   | Status                   |             |            |           |              | Additional Comments |
|----|--|--------------------------|-------------|------------|-----------|--------------|---------------------|
|    |  | No Progress /<br>Unknown | In Progress | Continuous | Completed | Discontinued |                     |
| 13 | 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          |           |              |                     |
| 14 | Purchase at least two more generators for the borough. This will allow us to power the borough building and firehouse during emergencies.  |                          |             | X          |           |              |                     |
| 15 | Determine if a Community Assistance Visit (CAV) or Community Assistance Contact (CAC) is needed, and schedule if needed.   |                          |             | 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 |
|-------------------|---|----------------------------|-------------------------------|---------------------|----------------------|----------------|--|--|----------------------------------|---|
| <b>1</b>          | <p>Retrofit structures located in hazard-prone areas to protect structures from future damage, with repetitive loss and severe repetitive loss properties as priority.</p> <p>Phase 1: Identify appropriate candidates for retrofitting based on cost-effectiveness versus relocation.</p> <p>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.</p>            | 1                          | 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                                    |
| <b>2</b>          | <p>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.</p> <p>Phase 1: Identify appropriate candidates for relocation based on cost-effectiveness versus retrofitting.</p> <p>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 and local budget (or property owner) for cost share | Municipality (via Municipal Engineer/NFIP Floodplain Administrator) w/ support from PEMA, FEMA pal | 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><b>3</b> Maintain compliance with and good standing in the NFIP including adoption &amp; enforcement of floodplain management requirements (e.g. regulating all new &amp; substantially improved construction in Special Hazard Flood Areas), floodplain identification &amp; mapping, &amp; 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.</p> | 3                          | Local plans & Regulations     | Flood               | High                 | High           | 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><b>4</b> 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:</p> <ul style="list-style-type: none"> <li>- Provide and maintain links to the HMP website, and regularly post notices on the County/municipal homepage(s) referencing the HMP webpages.</li> <li>- 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.</li> <li>- 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.</li> <li>- Work with neighborhood associations, civic and business groups to disseminate information on flood insurance and the availability of mitigation grant funding.</li> </ul> | 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 |
|-------------------|--|----------------------------|-------------------------------|-------------------------------|----------------------|----------------|-------------------|--|-----------------------------------|---|
| <b>5</b>          | Begin and/or continue the process to adopt higher regulatory standards to manage flood risk (i.e. increased freeboard, cumulative substantial damage / improvements) sinkhole risk (e.g. carbonate bedrock standards).   | 5                          | Local plans & Regulations     | Flood; Subsidence / Sinkholes | High                 | Low            | Municipal Budget  | Municipality (Mun. Engineer / NFIP Floodplain Adm.) w/ support from PEMA, FEMA | Short-term                        | New & Existing                              |
| <b>6</b>          | 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   |
| <b>7</b>          | 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   |
| <b>8</b>          | Obtain and archive elevation certificates for NFIP compliance.   | 8                          | Local plans & Regulations     | Flood                         | Low                  | Low            | Municipal Budget  | NFIP Floodplain Administrator  | 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 |
|-------------------|---|----------------------------|-------------------------------|---------------------|----------------------|--------------------------------|--|--|-------------------------|---|
| <b>9</b>          | Continue to support the implementation, monitoring, maintenance, and updating of this Plan, as defined in Section 7.0.  | 9                          | All Categories                | All Hazards         | High                 | Low – High (for 5-year update) | Municipal Budget, possibly FEMA Mitigation Grant Funding for 5-year update | Municipality (via mitigation planning point of contacts) w/ support from Planning Partners (through their Points of Contact), PEMA | Ongoing                 | New & Existing                              |
| <b>10</b>         | 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                              |
| <b>11</b>         | 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                              |
| <b>12</b>         | Develop & maintain capabilities to process FEMA/PEMA paperwork after disasters; qualified damage assessment personnel<br>– Improve post disaster capabilities<br>– Damage assessment; FEMA/PEMA paperwork compilation, submissions, record keeping. | 12                         | Structure & Infrastructure    | All Hazards         | Low                  | Medium                         | Municipal Budget   | Municipality w/ support from County, 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 |
|-------------------|--|----------------------------|-------------------------------|--|----------------------|----------------|---|---|--|---|
| <b>13</b>         | 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                         | Structure & Infrastructure    | All Hazards  | Medium               | Medium         | Municipal Budget, FEMA HMA grant programs | Municipality w/ support from County, PEMA                       | Short-, long-term (depending on funding) | N/A   |
| <b>14</b>         | Purchase at least two more generators for the borough. This will allow us to power the borough building and firehouse during emergencies.  | 17                         | Structure & Infrastructure    | All Hazards, except: Drought, Radon, Invasive Species, Pandemic & Infectious Disease, and Drug Overdose Crisis | High                 | Medium         | Grants                                    | Borough Council / grant writer                                  | N/A                                      | Existing                                    |
| <b>15</b>         | 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 PADEP, PEMA, FEMA | Short (year 1)                           | 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