**Bangor Borough, Northampton County Annex**

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

|  |  |
| --- | --- |
| **Primary:** | **Alternate:** |
| Stephen Reider  Borough Manager  197 Pennsylvania Avenue, Bangor, PA 18013  610-588-2216  sreider@bangorborough.org | James Kresge  Council President  197 Pennsylvania Avenue, Bangor, PA 18013  610-588-2216  jkresge@bangorborough.org |

**Municipal Profile**

Bangor Borough is located in the northeastern part of Northampton County. It encompasses an area of approximately 1.6 square miles and has a population of 5,187 (2020 Census). The borough is bordered by the Borough of Roseto to the north and the Borough of East Bangor to the northeast. Bangor is otherwise surrounded by Washington Township.

Martin’s Creek passes north south through the middle of the Borough. There are also several small bodies of water in former mine pits.

PA Route 191 (1st Street) and Main Street / Ridge Road are the major north-south roadways. PA Route 512 also runs north south from East Bangor Borough to the middle of Bangor Borough, where it turns westward towards Pen Argyl Borough. Broadway is the other major east-west roadway through the borough.

**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.

|  |  |
| --- | --- |
| Stephen Reider, Borough Manager  Role: Primary Contact | James Kresge, Council President  Role: Council President |
| Teddy Reed, Public Works  Role: as needed | Heather Major, Emergency Management  Role: as needed |
| Jeff Ott, Engineer  Role: as needed | |

*\*please update table as needed*

1. Identify community stakeholders such as; neighborhood groups, religious groups, major employers / businesses, etc., that will be informed and / or involved in the planning process and describe how they will be involved.

We will reach out to our organization and hold meetings as necessary.

1. Describe how the public **will be engaged** in the current planning process (examples, newsletters, social media, etc.), **and how they were engaged** since the 2018 Hazard Mitigation Plan.

Current: With social media as a major outreach to the community, we will be utilizing this tool to reach out to the community.

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 | 3rd party enforcement |
| What are the barriers to running an effective NFIP program in the community, if any? | Community FPA | Staff, money and time |
| **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 | 1/25/1974 |
| Are the Flood Insurance Rate Maps (FIRMs) digital or paper?  How are residents assisted with mapping? | Community FPA | Digital and paper, we do our best to help or refer them to FEMA regional office. |
| Do floodplain regulations meet or exceed FEMA or State minimum requirements?  If so, in what ways? | Community FPA | Meet as set forth by ordinance |
| Describe the permitting process | Community FPA, State, FEMA NFIP | 3rd party enforcement |
| **4. Insurance Summary** | | |
| How many NFIP policies are in the community?  What is the total premium and coverage? | State NFIP Coordinator or  FEMA NFIP Specialist | Unknown |
| How many claims have been paid in the community? What is the total amount of paid claims? How many substantial damage claims have there been? | FEMA NFIP or  Insurance Specialist | Unknown |
| How many structures are exposed to flood risk within the community? | Community FPA or GIS Analyst | Unknown |
| 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 |
| 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.

Market & N. Main Street

Murray & Chestnut Streets

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

Community events – approximately six per year

Broadway & State Route 191

90 Eisenhart Boulevard

1. **Economy**

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

Downtown Historic District

1. **Natural Environment**

* Those areas / features that can provide protective functions that reduce the magnitude of hazard events such as, wetlands or riparian areas, and other environmental features important to protect.

Riparian buffers for stream/stormwater flooding control

1. **Built Environment**

* Existing structures such as, concentrations of buildings that may be more vulnerable to hazards based on location, age, construction type and / or condition of use.

Downtown historic area due to flooding and age of structures

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

Water – PA American

Sewer – Borough

Power – Met Ed

Busing – Lanta

Cell Towers – AT&T and Verizon

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

N/A

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

Police

Fire

Emergency Operations Center

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

Heritage Center

Park/Stadium

Public Library

**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 | 2005 |  | Administration |  | --- |  |  |  |
| Capital Improvement Plan |  |  |  |  |  |  |  |  |  |
| Economic Development Plan |  |  |  |  |  |  |  |  |  |
| Continuity of Operations Plan |  |  |  |  |  |  |  |  |  |
| Stormwater Management Plan / Ordinance | X | 09/2022 |  | Administration |  | --- |  |  |  |
| Open Space Management Plan (or Parks/Rec., Greenways Plan) | X | 2009 |  | Administration |  | --- |  |  |  |
| Natural Resource Protection Plan |  |  |  |  |  |  |  |  |  |
| Transportation Plan |  |  |  |  |  |  |  |  |  |
| Historic Preservation Plan |  |  |  |  |  |  |  |  |  |
| Floodplain Management Plan |  |  |  |  |  |  |  |  |  |
| Farmland Preservation |  |  |  |  |  |  |  |  |  |
| Evacuation Plan |  |  |  |  |  |  |  |  |  |
| Disaster Recovery Plan |  |  |  |  |  |  |  |  |  |
| Hazard Mitigation Plan | X | 2018 |  | Emergency Management Coordinator |  |  | N/A |  |  |
| Emergency Operations Plan | X | 06/2022 |  | Emergency Management Coordinator |  | + |  |  |  |
| Zoning Regulations | X | 1967 |  | Administration |  | + |  |  |  |
| Floodplain Regulations | X | 1994 |  | Administration |  |  |  |  |  |
| NFIP Participation | X | 1974 |  | Administration |  | --- |  |  |  |
| Building Code | X | 2004 |  | Administration |  | --- |  |  |  |
| Fire Code | X | 2004 |  | Administration |  | --- |  |  |  |
| Other |  |  |  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Capability** | * **Staff** * **Personnel** * **Resources** | **Yes** | **No** | **Department / Agency** | **Change since 2018 Plan?**  **+ Positive**  **- Negative** | **How can these capabilities be expanded and improved to reduce risk?** | **Additional Comments** |
| **2. Administrative & Technology** | Planners (with land use / land development knowledge) | X |  | Engineer |  |  |  |
| Planners or engineers (with natural and / or human-caused hazards knowledge) | X |  | Engineer |  |  |  |
| Engineers or professionals trained in building and / or infrastructure construction practices (including building inspectors) | X |  | 3rd Party |  |  |  |
| Emergency Manager | X |  | Appointed |  |  |  |
| Floodplain administrator / manager | X |  | Manager |  |  |  |
| Land surveyors |  |  |  |  |  |  |
| Staff familiar with the hazards of the community | X |  | Administration |  |  |  |
| Personnel skilled in Geographical Information Systems (GIS) and / or FEMA’s HAZUS program | X |  | Engineer |  |  |  |
| Grant writers or fiscal staff to handle large / complex grants | X |  | Administration |  |  |  |
| Other |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Capability** | * **Staff** * **Personnel** * **Resources** | **Yes** | **No** | **Department / Agency** | **Change since 2018 Plan?**  **+ Positive**  **- Negative** | **How can these capabilities be expanded and improved to reduce risk?** | **Additional Comments** |
| **3. Financial Resources** | Capital improvement programming | X |  | Administration |  |  |  |
| Community Development Block Grants (CDBG) | X |  | Administration |  |  |  |
| Special purposes taxes | X |  | Fire |  |  |  |
| Gas / Electricity utility fees |  |  |  |  |  |  |
| Water / Sewer fees | X |  | Administration |  |  |  |
| Stormwater utility fees |  |  |  |  |  |  |
| Development impact fees |  |  |  |  |  |  |
| General obligation, revenue, and / or special tax bonds |  |  |  |  |  |  |
| Partnering arrangements or intergovernmental agreements | X |  | Administration |  |  |  |
| Other |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Capability** | * **Staff** * **Personnel** * **Resources** | **Yes** | **No** | **Department / Agency** | **Change since 2018 Plan?**  **+ Positive**  **- Negative** | **How can these capabilities be expanded and improved to reduce risk?** | **Additional Comments** |
| **4. Education & Outreach** | Firewise Communities Certification |  |  |  |  |  |  |
| StormReady Certification |  |  |  |  |  |  |
| Natural disaster or safety-related school programs |  |  |  |  |  |  |
| Ongoing public education or information programs such as, responsible water use, fire safety, household preparedness, and environmental education. | X |  | Fire, Nurture Nature Center |  |  |  |
| Public-private partnership initiatives addressing disaster related issues. |  |  |  |  |  |  |
| Local citizen groups or non-profit organizations focused on environmental protection, emergency preparedness, access and functional needs populations, etc. |  |  |  |  |  |  |
| Other |  |  |  |  |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Capability** |  | **Degree of Capability** | | | **Change since the 2018 Hazard Mitigation Plan?**  **If so, how?** | **Additional Comments** |
| **Limited** | **Moderate** | **High** |
| **5. Self – Assessment** | Planning and Regulatory |  | X |  |  |  |
| Administrative and Technical |  | X |  |  |  |
| Financial |  |  | X |  |  |
| Education and Outreach | X |  |  |  |  |

**Known or Anticipated Future Development / Redevelopment**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Development /**  **Property Name** | **Type of Development** | **Number of Structures** | **Location** | **Known Hazard Zone** | **Description / Status** |
| Ridge Road | Townhomes | 255 units | Ridge Road, Bangor, PA 18013 |  | SALDO Process |
| Slate Belt Veterans | Apartment Complex | 32 Units | Market Street,  Bangor, PA 18013 |  | SALDO Process |

**Natural & Non-Natural Event History Specific to Bangor Borough**

|  |  |  |
| --- | --- | --- |
| **Type of Event and Date(s)** | **FEMA Disaster #**  **(if applicable)** | **Local Damage(s) or Loss(es)** |
| Flooding | N/A | July 16-17 2023; significant damage to homes and businesses on Messinger and S Main Streets |
| 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** | Continue to implement the findings and recommendations of the 2003 Borton-Lawson “Stormwater Facilities Study” which analyzes stormwater facilities and identifies specific upgrades throughout the Borough. |  |  | X |  |  |  |
| **2** | 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 |  |  |  |  |
| **3** | 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 |  |  |  |  |  |
| **4** | 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 |  |  |  |
| **5** | 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 |  |  |  |
| **6** | Begin and/or continue the process to adopt higher regulatory standards to manage flood risk (i.e. increased freeboard, cumulative substantial damage/improvements). |  |  |  | X |  | Action relates to NFIP compliance, carried through to 2023 Actions. |
| **7** | Determine if a Community Assistance Visit (CAV) or Community Assistance Contact  (CAC) is needed, and schedule if needed. |  |  |  |  | X | Action relates to NFIP compliance, carried through to 2023 Actions |
| **8** | 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 relates to NFIP compliance, carried through to 2023 Actions |
| **9** | 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 relates to NFIP compliance, carried through to 2023 Actions |
| **10** | Obtain and archive elevation certificates for NFIP compliance. | X |  |  |  |  |  |
| **11** | Continue to support the implementation, monitoring, maintenance, and updating of this Plan, as defined in Section 7.0 |  |  | X |  |  |  |
| **12** | Complete the ongoing updates of the  Comprehensive Emergency Management Plans. |  |  | X |  |  |  |
| **13** | Create/enhance/maintain mutual aid agreements with neighboring communities for continuity of operations. |  |  | X |  |  |  |
| **14** | 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 |  |  |  |  |
| **15** | 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 |  |  |  |  |
| **16** | Provide training and education for first responders to ensure effective emergency care. |  |  | X |  |  |  |
| **17** | Provide education and outreach, especially in K12, regarding drug abuse prevention. |  |  | X |  |  |  |
| **18** | Provide assistance for those individuals seeking treatment. |  |  | X |  |  |  |

**Notes:**

1. Actions not carried through to the 2023 Action Plan are so noted.
2. To maintain National Flood Insurance Program (NFIP) compliance, actions related to the NFIP were carried through to the 2023 Action Plan even if identified by the municipality as completed.

**2023 Mitigation Action Plan**

| **Mitigation Action** | | **Regional Action Category** | **Mitigation Technique Category** | **Hazard(s) Addressed** | **Priority**  **(H / M / L)** | **Estimated Cost** | **Potential Funding** | **Lead Agency / Department** | **Implementation Schedule** | **Applies to New and / or Existing Structures** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **1** | Continue to implement the findings and recommendations of the 2003 Borton-Lawson  “Stormwater Facilities Study” which analyzes stormwater facilities and identifies specific upgrades throughout the Borough. | 16 | Structure and  Infrastructure | Flood | High | High | Borough;  potentially  FEMA  mitigation grants | Borough | Ongoing | Existing |
| **2** | 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 and  Infrastructure | Flood | High | High | FEMA  Mitigation Grant  Programs and local  budget  (or property  owner) for cost share | Municipality  (via Municipal  Engineer/NFIP Floodplain  Administrator) with support from PEMA,  FEMA | Long-term  (depending on funding) | Existing |
| **3** | 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 and  Infrastructure | Flood | High | High | FEMA  Mitigation Grant  Programs and local  budget  (or property  owner) for cost share | Municipality  (via Municipal  Engineer/NFIP Floodplain  Administrator) with support from PEMA,  FEMA | Long-term  (depending on funding) | Existing |
| **4** | 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 and  Regulations | Flood | High | Low -  Medium | Municipal Budget | Municipality  (via Municipal  Engineer/NFIP Floodplain  Administrator) with support from PEMA,  ISO FEMA | Ongoing | New &  Existing |
| **5** | 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. | 4 | Education and  Awareness | All Hazards | High | Low-  Medium | Municipal Budget | Municipality with support  from Planning Partners,  PEMA, FEMA | Short-term | N/A |
| **6** | 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 and  Regulations | Flood | High | Low | Municipal Budget | Municipality  (via Municipal  Engineer/NFI  P Floodplain  Administrator) with support from  PEMA,FEMA | Short-term | New &  Existing |
| **7** | Determine if a Community Assistance Visit (CAV) or Community Assistance Contact  (CAC) is needed, and schedule if needed. | 3 | Local Plans and  Regulations | Flood | High | Low | Municipal Budget | NFIP  Floodplain  Administrator with  Support from PA DEP,  PEMA, FEMA | Short-term | N/A |
| **8** | 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 and  Regulations | Flood | Medium | Low | Municipal Budget | NFIP  Floodplain  Administrator | Short-term  (depending upon funding) | N/A |
| **9** | 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 and  Regulations | Flood | High | Low | Municipal Budget | NFIP  Floodplain  Administrator with support  from PA DEP, PEMA, FEMA | Short-term | N/A |
| **10** | Obtain and archive elevation certificates for NFIP compliance. | 8 | Local Plans and  Regulations | Flood,  Windstorm /  Tornado,  Winter  Storm | Low | Low | Municipal Budget | NFIP  Floodplain  Administrator | Ongoing | N/A |
| **11** | Continue to support the implementation, monitoring, maintenance, and updating of this  Plan, as defined in Section 7.0. | 9 | All  Categories | All Hazards | High | Low – High (for  5-year update) | Municipal Budget, possibly  FEMA  Mitigation  Grant  Funding for 5-year update | Municipality  (via mitigation planning point of contacts)  with support from Planning Partners  (through their  Points of Contact), PEMA | Ongoing | New &  Existing |
| **12** | Complete the ongoing updates of the Comprehensive  Emergency Management Plans. | 10 | Local Plans and  Regulations | All Hazards | Medium | Low | Municipal Budget | Municipality with support from PEMA | Ongoing | New &  Existing |
| **13** | Create/enhance/maintain mutual aid agreements with neighboring communities for continuity of operations. | 11 | All  Categories | All Hazards | Medium | Low | Municipal Budget | Municipality with support from  Surrounding municipalities and County | Ongoing | New &  Existing |
| **14** | 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 and  Awareness | All Hazards | Low | Medium | Municipal Budget | Municipality with support  from County,  PEMA,  FEMA | Short-term | N/A |
| **15** | 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 and  Awareness | All Hazards | Medium | Medium | Municipal  Budget,  FEMA  HMA and  HLS  grant programs | Municipality with support  from County,  PEMA | Short-, long-term (depending on funding) | N/A |
| **16** | Provide training and education for first responders to ensure effective emergency care. | 27 | Education and  Awareness | Drug  Overdose  Crisis | High | Low | Municipal Budget | Municipality | Ongoing | N/A |
| **17** | Provide education and outreach, especially in K12, regarding drug abuse prevention. | 27 | Education and  Awareness | Drug  Overdose  Crisis | High | Low | Municipal Budget | Municipality/ School  District | Ongoing | N/A |
| **18** | Provide assistance for those individuals seeking treatment. | 27 | Education and  Awareness | Drug  Overdose  Crisis | High | Low | Municipal Budget | Municipality | Ongoing | N/A |
| **19** | Coordinate with Washington Township to scope a project to address drainage issues. There is a large drain field / floodplain / swampy area north of Bangor Borough in Washington Township, which all drains into an undersized 48” pipe (also in Washington township). The overflow all flows into Bangor Borough. | 15 | Structure and Infrastructure | Flood | High | High | Municipal Budget,  possibly FEMA grant programs | Municipality | Short-term | N/A |

**Notes:**

***Estimated Costs:***

* Where actual project costs have been reasonable estimated: Low = < $10,000; Medium = $10,000 to $100,000; High = > $100,000;
* Where actual project costs cannot reasonably be established at this time:

**Low** = Possible to fund under existing budget. Project is part of, or can be part of an existing on-going program.

**Medium** = Could budget for under existing work plan, but would require a reapportionment of the budget or a budget amendment,

or the cost of the project would have to be spread over multiple years.

**High** = Would require an increase in revenue via an alternative source (i.e., bonds, grants, fee increases) to implement. Existing

funding levels are not adequate to cover the costs of the proposed project.

***Potential Funding (FEMA HMA):***

* **BRIC =** Building Resilient Infrastructure andCommunities
* **FMA** = Flood Mitigation Assistance Grant Program
* **HMGP** = Hazard Mitigation Grant Program
* **HSGP** = Homeland Security Grant Program
* **EMPG** = Emergency Management Performance Grant

***Implementation Schedule:***

* **Short Term** = 1 to 5 years
* **Long Term** = 5 years or greater
* **DOF** = Depending on Funding

***Applies to New and/or Existing Structures:***

* **N/A** = Not Applicable