**North Catasauqua Borough, Northampton County Annex**

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

|  |  |
| --- | --- |
| **Primary:** | **Alternate:** |
| Roger W. Scheirer  Deputy Emergency Management Coordinator  1066 4th Street, North Catasauqua, PA 18032 610-264-1504  northcatasauquaema@yahoo.com | Gregory P. Scheirer  Emergency Management Coordinator  640 Penn Street, North Catasauqua, PA 18032  484-553-5085  scheirerg@gmail.com |

**Municipal Profile**

North Catasauqua Borough is located in the western part of Northampton County. It encompasses an area of approximately 0.8 square miles and has a population of 2,971 (2020 Census). The borough borders Northampton Borough to the north, Allen Township to the north and the east, Catasauqua Borough (Lehigh County) to the south, and Whitehall Township (Lehigh County) to the west.

The Lehigh River forms the borough’s western border with Whitehall Township (Lehigh County), and the Catasauqua Creek forms its eastern border with Allen Township, as it passes through the Willow Brook Golf Course.

There are no state highways in North Catasauqua. Howertown Road travels north south through the center of the borough. 4th Street enters the western part of the borough from the south, and travels northwest to Main Street, which travels north south into Northampton Borough. Lehigh Street crosses the Lehigh River east-west at approximately the middle of the borough. Grove Street is another notable east-west road in 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.

|  |  |
| --- | --- |
| Roger W. Scheirer, Deputy Emergency Management Coordinator  Role: Attend meetings, provide info, etc. | Gregory P. Scheirer, Emergency Management Coordinator  Role: Attend meetings, provide info, etc. |
| Bill Molchany, Mayor  Role: Support | Travis Brett, Public Works  Role: Support |
| Peter Paone, Council President  Role: Support | Shawn Saylor, Public Works  Role: Support |

*\*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.

None at this time

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: Social Media, Borough newsletter

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 | Floodplain management is enforced through the permitting process with the Zoning Ordinance: Article 3, Section 303, 5.2 Floodplain Conservation Area. The Floodplain Conservation Area is an overlay district. |
| What are the barriers to running an effective NFIP program in the community, if any? | Community FPA | Funding |
| **2. Compliance History** | | |
| Is the community in good standing with the NFIP? | State NFIP Coordinator, FEMA NFIP Specialist, or community records | Community does not participate in the NFIP |
| 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)? |  | N/A |
| Is a CAV or CAC scheduled or needed? |  | No |
| **3. Regulation** | | |
| When did the community enter the NFIP? | NFIP Community Status Book | N/A |
| Are the Flood Insurance Rate Maps (FIRMs) digital or paper?  How are residents assisted with mapping? | Community FPA | Paper FIRMS/Zoning Officer provides zoning assessment service through the borough for determination of floodplain prone properties |
| Do floodplain regulations meet or exceed FEMA or State minimum requirements?  If so, in what ways? | Community FPA | Meets, Borough is required by state to adopt floodplain regulations that comply with FEMA regulations |
| Describe the permitting process | Community FPA, State, FEMA NFIP | Zoning Officer makes determination if a property is in a Floodplain Conservation Area. This may involve further review involving the Borough Engineer and final approvals. |
| **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 | 0 |
| 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 | 0 |
| How many structures are exposed to flood risk within the community? | Community FPA or GIS Analyst | 0 |
| Describe any areas of flood risk with limited NFIP policy coverage | Community FPA or  FEMA Insurance Specialist | N/A |
| **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.

Senior mid-rise apartments

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

William J Albert Memorial Park

D & L Trail

1. **Economy**

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

None at this time.

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.

Canal that runs along the Borough, east of Lehigh River

Farmland and Catasauqua Creek that runs east of the Borough.

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.

100 homes built under one of Lehigh Valley International Airports (LVIA) flight paths.

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

Sewer system pump station

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

None at this time.

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

The borough office building includes police station, fire station, emergency management office and borough office.

Borough complex includes all public works equipment and materials.

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

William Albert Park

**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 |  |  |  |  |  |  |
| Capital Improvement Plan |  |  |  |  |  |  |  |  |  |
| Economic Development Plan |  |  |  |  |  |  |  |  |  |
| Continuity of Operations Plan | X | 9/2014 |  | Emergency Management |  |  |  |  |  |
| Stormwater Management Plan / Ordinance | X | 11/2017 |  | Public Works |  |  |  |  |  |
| Open Space Management Plan (or Parks/Rec., Greenways Plan) |  |  |  |  |  |  |  |  |  |
| Natural Resource Protection Plan |  |  |  |  |  |  |  |  |  |
| Transportation Plan |  |  |  |  |  |  |  |  |  |
| Historic Preservation Plan |  |  |  |  |  |  |  |  |  |
| Floodplain Management Plan |  |  |  |  |  |  |  |  |  |
| Farmland Preservation |  |  |  |  |  |  |  |  |  |
| Evacuation Plan | X | 9/2014 |  | Emergency Management |  |  |  |  |  |
| Disaster Recovery Plan | X | 9/2014 |  | Emergency Management |  |  |  |  |  |
| Hazard Mitigation Plan | X | 2018 |  | Emergency Management |  |  | N/A |  |  |
| Emergency Operations Plan | X | 2/2023 |  | Emergency Management |  |  |  |  |  |
| Zoning Regulations | X |  |  | Zoning Board |  |  |  |  |  |
| Floodplain Regulations |  |  |  |  |  |  |  |  |  |
| NFIP Participation |  |  |  |  |  |  |  |  |  |
| Building Code | X |  |  | Private Company |  |  |  |  |  |
| Fire Code | X |  |  | Fire Marshall |  |  |  |  |  |
| 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 |  | Planning Commission |  |  |  |
| Planners or engineers (with natural and / or human-caused hazards knowledge) | X |  | Planning Commission |  |  |  |
| Engineers or professionals trained in building and / or infrastructure construction practices (including building inspectors) | X |  | Private Company |  |  |  |
| Emergency Manager | X |  | Emergency Management |  |  |  |
| Floodplain administrator / manager | X |  | Keystone Engineering |  |  |  |
| Land surveyors |  |  |  |  |  |  |
| Staff familiar with the hazards of the community | X |  | Emergency Management, Public Works |  |  |  |
| Personnel skilled in Geographical Information Systems (GIS) and / or FEMA’s HAZUS program | X |  | Keystone Engineering |  |  |  |
| Grant writers or fiscal staff to handle large / complex grants |  |  |  |  |  |  |
| 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 |  | Public Works | No | See note on Worksheet 9, Part 2 |  |
| Community Development Block Grants (CDBG) | X |  | Borough | No |  |  |
| Special purposes taxes |  |  |  | No |  |  |
| Gas / Electricity utility fees |  |  |  | No |  |  |
| Water / Sewer fees | X |  | Borough | No |  |  |
| Stormwater utility fees |  |  |  | No |  |  |
| Development impact fees |  |  |  | No |  |  |
| General obligation, revenue, and / or special tax bonds |  |  |  | No |  |  |
| Partnering arrangements or intergovernmental agreements |  |  |  | No |  |  |
| Other |  |  |  |  |  |  |
| **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, Police, and Emergency Management |  |  |  |
| 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** |
| Willowbrook Housing | Residential | 154 | 1300 Howertown Road | No | Ongoing – 100 built/54 in progress (10/2023) |

**Natural & Non-Natural Event History Specific to North Catasauqua Borough**

|  |  |  |
| --- | --- | --- |
| **Type of Event and Date(s)** | **FEMA Disaster #**  **(if applicable)** | **Local Damage(s) or Loss(es)** |
| Windstorm, 2015 |  | Damage to roofs and siding in a major number of homes |
| Wind and hail storm, 2016 |  | Damage to over 75% of homes in the Borough, mostly roof and siding damages |
| Snowstorm, 2016 | DR-4267-PA | Financial loss to the Borough |
| Snowstorm, 2017 |  | Financial loss to the Borough |
| 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**  **(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 |  |  |  |
| **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 |  |  |  |

**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) with support from PEMA, FEMA | Long-term (depending upon 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) with support from PEMA, FEMA | Long-term (depending upon funding) | Existing |
| **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) with support from PEMA, FEMA | Ongoing | New & Existing |
| **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. | 4 | Education & Awareness | All Hazards | High | Low-Medium | Municipal Budget | Municipality with support from Planning Partners, PEMA, FEMA | Short-term | N/A |
| **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 Subsidence/  Sinkholes | 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 with support from PA DE, 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 with support from PA DEP, PEMA, FEMA | Short-term (year-1) | N/A |
| **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 with support from PA DEP, PEMA, FEMA | Short-term (1-year) | N/A |
| **9** | Obtain and archive elevation certificates for NFIP compliance. | 8 | Local plans & Regulations | Flood, Windstorm/  Tornado,  Winter Storm | Low | Low | Local Budget | NFIP Floodplain Administrator | Ongoing | N/A |
| **10** | 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) | Local 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 |
| **11** | Complete the ongoing updates of the Comprehensive Emergency Management Plans. | 10 | Local plans & Regulations | All Hazards | Medium | Low | Local Budget | Municipality with support from PEMA | Ongoing | New & Existing |
| **12** | Create/enhance/maintain mutual aid agreements with neighboring communities for continuity of operations. | 11 | All Categories | All Hazards | Medium | Low | Local Budget | Municipality with 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 | Low | Medium | Local budget, FEMA HMA Grant programs | Municipality with support from County PEMA | Short-, long-term (depending upon funding) | 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 | Local budget, FEMA HMA Grant programs | Municipality with support from County, PEMA | Short-, long-term (depending upon funding) | 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