**Coopersburg Borough, Lehigh County Annex**

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

|  |  |
| --- | --- |
| **Primary:** | **Alternate:** |
| Timothy PaashausManager5 North Main Street, Coopersburg, PA 18036610-282-3307tpaashaus@coopersburgborough.org | Anthony StrussPolice Chief 5 North Main Street, Coopersburg, PA 18036610-282-1444astruss@coopersburgpd.org |

**Municipal Profile**

Coopersburg Borough is located in the southeastern part of Lehigh County. It encompasses an area of 0.9 square miles and has a population of 2,447 (2020 Census). The borough is surrounded by Upper Saucon Township, but its southeastern border also touches the county line shared with Bucks County. There are no significant bodies of water or waterways within Coopersburg Borough.

State Route 2045 (Main Street) is the primary north-south route through the borough. State Route 309 (3rd Street) runs North-South along the eastern part of the borough, connecting to points north in Upper Saucon Township and Allentown, and south to Bucks County. SR 2026 (State Street) is the primary east-west corridor 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.

|  |  |
| --- | --- |
| Timothy Paashaus, ManagerRole: Primary Contact | Keystone Consulting Engineers, EngineerRole: Design/Implement as needed |
| Dennis Nace, Public Works DirectorRole: Public Works, Review/Plan | Mike Zweifel, Emergency Management AgencyRole: Contribute as needed |
| Anthony Struss, Police ChiefRole: Contribute as needed through Primary Contact | Council MembersRole: Review/Plan |

*\*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.

St. James Lutheran – interested in assisting as shelter

Calvary Bible Fellowship Church – interested in assisting as shelter

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 and website as needed, Comp team review, and held preparedness meetings

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 | Part of zoning reviews by Zoning Officer |
| Provide an explanation of NFIP administration services (e.g., permit review, GGIS, education or outreach, inspections, engineering capability) | Community FPA | Permit reviews in conjunction with zoning reviews |
| What are the barriers to running an effective NFIP program in the community, if any? | Community FPA | None |
|  |
| 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 |
|  |
| 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 |
| Do floodplain regulations meet or exceed FEMA or State minimum requirements? If so, in what ways? | Community FPA | Meet current requirements |
| Describe the permitting process | Community FPA, State, FEMA NFIP | FEMA NFIP |
| **4. Insurance Summary** |
| How many NFIP policies are in the community?What is the total premium and coverage? | State NFIP Coordinator orFEMA NFIP Specialist | N/A |
| 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 | N/A |
| How many structures are exposed to flood risk within the community? | Community FPA or GIS Analyst | N/A |
| 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.

Elderly – income-qualified apartments

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

 N/A, generally residents, small businesses, and recreational activity (small).

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

 Commercial / small businesses along Rt. 309 and Main Street.

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.

 Small streams, wet areas

 No lakes, rivers, etc.

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.

Aging residential

Several multi-unit apartment buildings, 5 to 25 unit buildings

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

Water system – generally in good shape, ongoing replacement

Sewer lines – only lines, no system

Gas lines – owned by UGI

Roads – generally in good shape

Telephone / Internet / Cable – Frontier, RCN, Service Electric

Electric – above ground and owned by PPL

* 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.

 1 police station

 1 fire station

 1 elementary school

 Several churches – St. John, St. James, Moravian and Saucon Lodge

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

 Borough Hall – historical museum

 Southern Lehigh Living Memorial 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 | 5/25/10 |  | Comp Plan Team | S | P |  | Add more info and involvement | In process of developing new goals with public input |
| Capital Improvement Plan |  |  | X | Admin | S | P |  |  |  |
| Economic Development Plan |  |  |  |  |  |  |  |  |  |
| Continuity of Operations Plan |  |  |  |  |  |  |  |  |  |
| Stormwater Management Plan / Ordinance | X |  |  | Infrastructure Committee | S | P |  |  | Stormwater review for new development |
| Open Space Management Plan (or Parks/Rec., Greenways Plan) |  |  |  |  |  |  |  |  |  |
| Natural Resource Protection Plan |  |  |  |  |  |  |  |  |  |
| Transportation Plan |  |  |  |  |  |  |  |  |  |
| Historic Preservation Plan |  |  | X | Comp Plan Team | S | P |  |  |  |
| Floodplain Management Plan |  |  |  |  |  |  |  |  |  |
| Farmland Preservation |  |  |  |  |  |  |  |  |  |
| Evacuation Plan |  |  | X | Emergency Management Agency | S | P |  |  |  |
| Disaster Recovery Plan |  |  |  |  |  |  |  |  | Need improved coordination between police, fire, EMA |
| Hazard Mitigation Plan | X | 2018 |  | County/LVPC | S | P | N/A |  |  |
| Emergency Operations Plan |  |  | X | Emergency Management Agency |  |  |  |  |  |
| Zoning Regulations | X | 2006 | X | Admin/Council | S | P |  | Working on major update for 2018 | Zoning requires certain setbacks and rules from streams and flood areas |
| Floodplain Regulations | X |  |  |  |  |  |  |  | Updated ordinance and continuing to improve facilities and educating staff/residentZoning requires certain setbacks and rules from stream and flood areass |
| NFIP Participation |  |  |  |  |  |  |  |  |  |
| Building Code | X | 2006 |  | 3rd Party |  |  |  |  | Barry Isett is the 3rd party. Although it is in place, rental inspections are difficult to do well |
| Fire Code | X | 2009 |  | 3rd Party |  |  |  |  |  |
| Other | X |  |  | 3rd Party |  |  |  |  | Substantial damage management plan, would use 3rd party or insurance adjuster. Public works monitors infrastructure and public buildings |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **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 |  | Barry Isett Engineers | N |  |  |
| Planners or engineers (with natural and / or human-caused hazards knowledge) | X |  | Barry Isett Engineers | N |  |  |
| Engineers or professionals trained in building and / or infrastructure construction practices (including building inspectors) | X |  | Barry Isett & Associates | N |  |  |
| Emergency Manager | X |  | Emergency Management Agency/County | N |  |  |
| Floodplain administrator / manager | X |  | Borough Engineer- McCarthy, Borough Manager, Public Works Staff | N |  |  |
| Land surveyors | X |  | Barry Isett Engineers | N |  |  |
| Staff familiar with the hazards of the community | X |  | Admin | N | Education and Training |  |
| Personnel skilled in Geographical Information Systems (GIS) and / or FEMA’s HAZUS program | X |  | Public Works | N |  | Public works has GIS capabilities for water/sewer/storm roadways/public land |
| Grant writers or fiscal staff to handle large / complex grants | X |  | Manager & Comp Team | N |  | Fire dept uses a paid grant writer |
| Other | X |  |  |  |  |  3rd party building inspector/insurance adjuster for substantial damage management plan.  |

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **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 |  |  |  |  |  |  |
| Community Development Block Grants (CDBG) |  |  |  |  |  |  |
| Special purposes taxes |  |  |  |  |  |  |
| Gas / Electricity utility fees |  |  |  |  |  |  |
| Water / Sewer fees |  |  |  |  |  |  |
| Stormwater utility fees |  |  |  |  |  |  |
| Development impact fees |  |  |  |  |  |  |
| General obligation, revenue, and / or special tax bonds | X |  |  |  |  | General fund used for gaps and insurance coverages |
| Partnering arrangements or intergovernmental agreements |  |  |  |  |  |  |
| Other | X |  |  |  |  | Have used HMGP in the past and plan to apply post-next disaster. COVID relief was the last federal award |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **4. Education & Outreach** | Firewise Communities Certification |  |  |  |  |  |  |
| StormReady Certification |  |  |  |  |  |  |
| Natural disaster or safety-related school programs | X |  | School District | N |  |  |
| Ongoing public education or information programs such as, responsible water use, fire safety, household preparedness, and environmental education.  | X |  | Admin/Council | N | More education and outreach and improvement needed | Use website, social media, and call-all system. Handouts are provided but need to be updated |
| 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.  | X |  | Local churches and staff | N | Added Emergency Awareness meetings and outreach |  |
| Other | X |  |  |  |  | Send information on the back of utility bills 4 times a year |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **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 |  | Yes, improved financial status |  |
| 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** |
| Stone Harvest | Residential | 38 | West State Street & Gun Club Road | No | Under Construction |
| Oxford Ridge | Residential | 26 | North 2nd Street | No | Under Construction |
| Multiple industrial lots | Commercial | 9 acres | Rt. 309 & Station Avenue | No | Planning |

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

|  |  |  |
| --- | --- | --- |
| **Type of Event and Date(s)** | **FEMA Disaster #****(if applicable)** | **Local Damage(s) or Loss(es)** |
| Winter Storm Jonas – 1/2016 | DR-4267-PA | N/A |
| Extreme cold (polar vortex) | N/A | Nothing governmentally, residential |
| Spotted lanternfly | N/A | Tree damage (future) |
| Pennsylvania COVID-19 Pandemic – 1/2020 | DR-4506-PA | Emergency Protective measures to combat COVID-19 Pandemic |

**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** | Maintain fleet of vehicles and equipment for emergency response. |  |  | X |  |  | New police vehicles and equipment working with fire company to improve |
| **2** | Continue to support the implementation, monitoring, maintenance, and updating of this Plan, as defined in Section 7.0. |  |  | X |  |  |  |
| **3** | Complete the ongoing updates of the Comprehensive Emergency Management Plans. |  |  | X |  |  | Comp team meets monthly & occasionally works on updates/improvements |
| **4** | 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 |  |  |  |
| **5** | Continue to construct storm sewers to help alleviate flooding.  |  | X | X |  |  | Added several inlets. New developments have improved water run-off facilities |
| **6** | Coordinate with the County Emergency Management Agency and PA Department of Health, which is responsible for setting up points of distribution and providers for immunizations. |  |  | X |  |  |  |
| **7** | Devise an employee vaccination and immunization plan to prevent an outbreak within the municipal employee ranks. |  |  | X |  |  |  |
| **8** | Devise a municipal continuity of operations plan to keep essential services running in the event that a significant portion of the workforce is affected. |  |  | X |  |  |  |
| **9** | Devise a public education and outreach plan regarding disease prevention.  |  |  | X |  |  |  |
| **10** | Provide education and outreach to residents regarding how to prevent the spread of invasive species, including quarantine procedures. |  |  | X |  |  |  |
| **11** | Develop a neighborhood cleanup plan designed to remove discarded tires, trash and other items in which standing water can form. |  |  | X |  |  |  |
| **12** | Provide training and education for first responders to ensure effective emergency care. |  |  | X |  |  |  |
| **13** | Provide education and outreach, especially in K12, regarding drug abuse prevention. |  |  | X |  |  |  |

**Notes:**

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

**2023 Mitigation Action Plan**

| **Mitigation Action** | **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** | Maintain fleet of vehicles and equipment for emergency response. | 19 | Structure and Infrastructure | All Hazards | High | Medium | Borough budget;available publicprotection andemergencyservices grant programs | Borough | Ongoing | N/A |
| **2** | 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 updated) | Local Budget, possiblyFEMAMitigationGrantFunding for 5-year update | Municipality (via mitigation planning point of contacts)with supportfrom PlanningPartners(through their Points ofContact),PEMA | Ongoing | New & Existing |
| **3** | Complete the ongoing updates of the Comprehensive Emergency Management Plans. | 10 | Local Plans and Regulations | All Hazards | Medium | Low | Local Budget | Municipality with support from PEMA | Ongoing | New & Existing |
| **4** | 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). | 12 | Education & Awareness | All Hazards | Low | Medium | Local budget,FEMA HMA grant programs | Municipality with supportfrom County,PEMA | Short-, long-term (depending upon funding) | N/A |
| **5** | Continue to construct storm sewers to help alleviate flooding.  | 14 | Structure & Infrastructure | Flood | Medium | High | Local Budget | Borough | Ongoing | Existing |
| **6** | Coordinate with the County Emergency Management Agency and PA Department of Health, which is responsible for setting up points of distribution and providers for immunizations. | 11 | Local Plans and Regulations | Pandemic&InfectiousDisease | Medium | Low | Municipal Budget | Municipality, working withCounty EMA and PADepartment of Health | Ongoing | N/A |
| **7** | Devise an employee vaccination and immunization plan to prevent an outbreak within the municipal employee ranks. | 10 | Local Plans and Regulations | Pandemic&InfectiousDisease | Medium | Low | Municipal Budget | Municipality | Short-term | N/A |
| **8** | Devise a municipal continuity of operations plan to keep essential services running in the event that a significant portion of the workforce is affected. | 11 | Local plans and Regulations | Pandemic&InfectiousDisease | Medium | Low | Municipal Budget | Municipality | Short-term | N/A |
| **9** | Devise a public education and outreach plan regarding disease prevention.  | 4 | Education & Awareness | Pandemic&InfectiousDisease | High | Low | Municipal Budget | Municipality | Ongoing | N/A |
| **10** | Provide education and outreach to residents regarding how to prevent the spread of invasive species, including quarantine procedures. | 4 | Education & Awareness | Invasive Species | High | Low | Municipal Budget | Municipality | Ongoing | N/A |
| **11** | Develop a neighborhood cleanup plan designed to remove discarded tires, trash and other items in which standing water can form. | 27 | Local Plans and Regulations | Invasive Species | High | Low | Municipal Budget | Municipality | Short-term | N/A |
| **12** | Provide training and education for first responders to ensure effective emergency care. | 27 | Education & Awareness | Drug Overdose | High | Low | Municipal Budget | Municipality | Ongoing | N/A |
| **13** | Provide education and outreach, especially in K12, regarding drug abuse prevention. | 4 | Education & Awareness | Drug Overdose | High | Low | Municipal Budget | Municipality/School District | Ongoing | N/A |

**Notes:**

***Estimated Costs:***

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

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

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

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

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

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

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

* **BRIC =** Building Resilient Infrastructure 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