



# APPENDIX G

## 2017 MITIGATION ACTIONS



<b>COMMUNITY(IES):</b>	Northumberland County
<b>ACTION NO. 1</b>	<b>ACTION:</b> Disseminate informational pamphlets or mailings and/or create websites and social media for Northumberland County residents that explain the risks of hazards, outline precautionary measures that can be taken to help reduce the impacts of a disaster to themselves and their property, and emphasize the values of hazard mitigation.
<b>Mitigation Technique Category:</b>	Public Education and Awareness
<b>Hazard(s) Addressed:</b>	Flood, Flash Flood, Ice Jam, Winter Storm, Drought, Earthquake, Extreme Temperatures, Hailstorm, Hurrigan, Tropical Storm, Nor'easter, Invasive Species, Landslide, Lightning Strike, Pandemic, Radon Exposure, Tornado, Windstorm, Wildfire, Building or Structure Collapse, Civil Disturbance, Dam Failure, Drowning, Levee Failure, Nuclear Incidents, Terrorism, Urban Fire or Explosion, War and Criminal Activity, Opioids, Environmental Hazards, Utility Interruptions, Transportation Accidents, Subsidence/Sinkholes.
<b>Potential Funding Sources:</b>	Northumberland County staff
<b>Lead Agency/Department:</b>	Northumberland County Department of Public Safety
<b>Implementation Schedule:</b>	Completion within one year, then an annual distribution.

<b>COMMUNITY(IES):</b>	Northumberland County
<b>ACTION NO. 2</b>	<b>ACTION:</b> Develop an informational website with information on the hazards that can effect the County, how residents can protect themselves from disaster, and mitigation actions the County and municipalities are taking to help reduce the risks.
<b>Mitigation Technique Category:</b>	Public Education and Awareness, Property Protection
<b>Hazard(s) Addressed:</b>	Flood, Flash Flood, Ice Jam, Winter Storm, Drought, Earthquake, Extreme Temperatures, Hailstorm, Hurrigan, Tropical Storm, Nor'easter, Invasive Species, Landslide, Lightning Strike, Pandemic, Radon Exposure, Tornado, Windstorm, Wildfire, Building or Structure Collapse, Civil Disturbance, Dam Failure, Drowning, Levee Failure, Nuclear Incidents, Terrorism, Urban Fire or Explosion, War and Criminal Activity, Opioids, Environmental Hazards, Utility Interruptions, Transportation Accidents, Subsidence/Sinkholes.
<b>Potential Funding Sources:</b>	Northumberland County staff
<b>Lead Agency/Department:</b>	Northumberland County Department of Public Safety
<b>Implementation Schedule:</b>	Continuous

<b>COMMUNITY(IES):</b>	Northumberland County and all Municipalities.
<b>ACTION NO. 3</b>	<b>ACTION:</b> Cooperate with local media to produce regular public service announcements or news releases on hazard risk, safety, and the importance of mitigation.
<b>Mitigation Technique Category:</b>	Public Education and Awareness, Structural Project Implementation, Property Protection
<b>Hazard(s) Addressed:</b>	Flood, Flash Flood, Ice Jam, Winter Storm, Drought, Earthquake, Extreme Temperatures, Hailstorm, Hurrigan, Tropical Storm, Nor'easter, Invasive Species, Landslide, Lightning Strike, Pandemic, Radon Exposure, Tornado, Windstorm, Wildfire, Building or Structure Collapse, Civil Disturbance, Dam Failure, Drowning, Levee Failure, Nuclear Incidents, Terrorism, Urban Fire or Explosion, War and Criminal Activity, Opioids, Environmental Hazards, Utility Interruptions, Transportation Accidents, Subsidence/Sinkholes.
<b>Potential Funding Sources:</b>	Northumberland County staff
<b>Lead Agency/Department:</b>	Northumberland County Department of Public Safety
<b>Implementation Schedule:</b>	Continuous

<b>COMMUNITY(IES):</b>	Northumberland County
<b>ACTION NO. 4</b>	ACTION: Coordinate with FEMA, PEMA, PA DCED, and any other appropriate agencies on developing and implementing a natural hazard awareness curriculum in local schools.
<b>Mitigation Technique Category:</b>	Public Education and Awareness, Structural Project Implementation, Property protection
<b>Hazard(s) Addressed:</b>	Flood, Flash Flood, Ice Jam, Winter Storm, Drought, Earthquake, Extreme Temperatures, Hailstorm, Hurricane, Tropical Storm, Nor'easter, Invasive Species, Landslide, Lightning Strike, Pandemic, Radon Exposure, Tornado, Windstorm, Wildfire,
<b>Potential Funding Sources:</b>	FEMA, PEMA, PA DCED, Northumberland County staff
<b>Lead Agency/Department:</b>	Northumberland County Department of Public Safety
<b>Implementation Schedule:</b>	Completion within one year, then annual assemblies.

<b>COMMUNITY(IES):</b>	Coal Township, Delaware Township, East Cameron Township, East Chillisquaque Township, Herndon Borough, Jackson Township, Jordan Township, Kulpmont Borough, Lewis Township, Little Mahanoy Township, Lower Augusta Township, Lower Mahanoy Township, McEwensville Borough, Milton Borough, Mount Carmel Borough, Mount Carmel Township, Northumberland Borough, Point Township, Ralpho Township, Riverside Borough, Rockefeller Township, Rush Township, Shamokin City, Shamokin Township, Snyderstown Borough, Sunbury City, Turbot Township, Upper Augusta Township, Upper Mahanoy Township, Washington Township, Watsontown Borough, West Cameron Township, West Chillisquaque Township, Zerbe Township
<b>ACTION NO. 5</b>	ACTION: Disseminate informational pamphlets or mailings and/or create websites and social media on hazard mitigation for property owners in the 1 percent annual chance floodplain or owners of Repetitive and Severe Repetitive Loss structures.
<b>Mitigation Technique Category:</b>	Public Education and Awareness, Property protection
<b>Hazard(s)</b>	Flood, Flash Flood, Ice Jam, Hurricane, Tropical Storm,
<b>Potential Funding Sources:</b>	FEMA, PEMA, PA DCED, Northumberland County & municipal Staff
<b>Lead Agency/Department:</b>	Local Municipalities (NFIP & CRS) with County support
<b>Implementation Schedule:</b>	Completion within one year.

<b>COMMUNITY(IES):</b>	Northumberland County
<b>ACTION NO. 6</b>	ACTION: Develop informational workshops on hazard risks and hazard mitigation for property owners in high-risk areas.
<b>Mitigation Technique Category:</b>	Public Education and Awareness, Property Protection,
<b>Hazard(s) Addressed:</b>	Flood, Flash Flood, Ice Jam, Winter Storm, Drought, Earthquake, Extreme Temperatures, Hailstorm, Hurricane, Tropical Storm, Nor'easter, Invasive Species, Landslide, Lightning Strike, Pandemic, Radon Exposure, Tornado, Windstorm, Wildfire, Building or Structure Collapse, Civil Disturbance, Dam Failure, Drowning, Levee Failure, Nuclear Incidents, Terrorism, Urban Fire or Explosion, War and Criminal Activity, Opioids, Environmental Hazards, Utility Interruptions, Transportation Accidents, Subsidence/Sinkholes.
<b>Potential Funding Sources:</b>	FEMA, PEMA, PA DCED, Northumberland County staff
<b>Lead Agency/Department:</b>	Northumberland County Department of Public Safety
<b>Implementation Schedule:</b>	Completion within one year, then annual meetings.

<b>COMMUNITY(IES):</b>	Coal Township, Delaware Township, East Cameron Township, East Chillisquaque Township, Herndon Borough, Jackson Township, Jordan Township, Kulpmont Borough, Lewis Township, Little Mahanoy Township, Lower Augusta Township, Lower Mahanoy Township, McEwensville Borough, Milton Borough, Mount Carmel Borough, Mount Carmel Township, Northumberland Borough, Point Township, Ralpho Township, Riverside Borough, Rockefeller Township, Rush Township, Shamokin City, Shamokin Township, Snyderstown Borough, Sunbury City, Turbot Township, Upper Augusta Township, Upper Mahanoy Township, Washington Township, Watsontown Borough, West Cameron Township, West Chillisquaque Township, Zerbe Township
<b>ACTION NO. 7</b>	<b>ACTION:</b> Investigate avenues for real estate disclosure for properties in the 1 percent annual chance floodplain.
<b>Mitigation Technique Category:</b>	Public Education and Awareness
<b>Hazard(s) Addressed:</b>	Flood, Flash Flood, Ice Jam, Hurrigan, Tropical Storm
<b>Potential Funding Sources:</b>	FEMA, PEMA, PADCED, County and municipal Staff
<b>Lead Agency/Department:</b>	Local municipalities with County support
<b>Implementation Schedule:</b>	Completion within one year.

<b>COMMUNITY(IES):</b>	Northumberland County and all municipalities.
<b>ACTION NO. 8</b>	<b>ACTION:</b> Assist municipalities in developing policies and procedures related to hazard mitigation, especially for municipalities that are vulnerable to direct impacts from possible levee failure.
<b>Mitigation Technique Category:</b>	Prevention, Public Education and Awareness, Structural Project Implementation, Emergency Services, Property Protection
<b>Hazard(s) Addressed:</b>	Flood, Flash Flood, Ice Jam, Winter Storm, Drought, Earthquake, Extreme Temperatures, Hailstorm, Hurrigan, Tropical Storm, Nor'easter, Invasive Species, Landslide, Lightning Strike, Pandemic, Radon Exposure, Tornado, Windstorm, Wildfire, Building or Structure Collapse, Civil Disturbance, Dam Failure, Drowning, Levee Failure, Nuclear Incidents, Terrorism, Urban Fire or Explosion, War and Criminal Activity, Opioids, Environmental Hazards, Utility Interruptions, Transportation Accidents, Subsidence/Sinkholes.
<b>Potential Funding Sources:</b>	FEMA, PEMA, PADCED, Northumberland County staff, Municipal Emergency Management, Northumberland County Department of Public Safety staff
<b>Lead Agency/Department:</b>	Northumberland County Department of Public Safety
<b>Implementation Schedule:</b>	Continuous

<b>COMMUNITY(IES):</b>	Coal Township, Delaware Township, East Cameron Township, East Chillisquaque Township, Herndon Borough, Jackson Township, Jordan Township, Kulpmont Borough, Lewis Township, Little Mahanoy Township, Lower Augusta Township, Lower Mahanoy Township, McEwensville Borough, Milton Borough, Mount Carmel Borough, Mount Carmel Township, Northumberland Borough, Point Township, Ralpho Township, Riverside Borough, Rockefeller Township, Rush Township, Shamokin City, Shamokin Township, Snyderstown Borough, Sunbury City, Turbot Township, Upper Augusta Township, Upper Mahanoy Township, Washington Township, Watsontown Borough, West Cameron Township, West Chillisquaque Township, Zerbe Township
<b>ACTION NO. 9</b>	<b>ACTION:</b> Investigate a County fund to facilitate voluntarily acquiring, elevating, or retrofitting structures in hazard-prone areas.
<b>Mitigation Technique Category:</b>	Public Education and Awareness, Property Protection, Structural Project Implementation
<b>Hazard(s) Addressed:</b>	Flood, Flash Flood, Ice Jam, Hurrigan, Tropical Storm,
<b>Potential Funding Sources:</b>	FEMA, PEMA, PADCED, Northumberland County staff, SEDA-COG, ACT 105 OF 2010, Municipal Floodplain Managers
<b>Lead Agency/Department:</b>	Northumberland County Planning
<b>Implementation Schedule:</b>	Completion within one year with continued investments

<b>COMMUNITY(IES):</b>	Northumberland County and all municipalities
<b>ACTION NO. 10</b>	ACTION: Enforce forest and vegetation management policies along the West and North Branch of the Susquehanna River floodplain.
<b>Mitigation Technique Category:</b>	Prevention, Public Education and Awareness, Natural Resource Protection
<b>Hazard(s) Addressed:</b>	Flood, Flash Flood, Ice Jam, Winter Storm, Drought, Earthquake, Extreme Temperatures, Hailstorm, Hurricane, Tropical Storm, Nor'easter, Invasive Species, Landslide, Lightning Strike, Tornado, Windstorm, Tsunami, Wildfire, Dam Failure, Levee Failure, Urban Fire or Explosion, Environmental Hazards.
<b>Potential Funding Sources:</b>	PA DCNR, PA DEP, Northumberland County and municipality staff
<b>Lead Agency/Department:</b>	Local municipalities with County support
<b>Implementation Schedule:</b>	Continuous.

<b>COMMUNITY(IES):</b>	Northumberland County and all municipalities.
<b>ACTION NO. 11</b>	ACTION: Enforce urban forestry and landscape management policies for Drainage & Stormwater Management.
<b>Mitigation Technique Category:</b>	Prevention, Public Education and Awareness, Natural Resource Protection
<b>Hazard(s) Addressed:</b>	Flood, Flash Flood, Ice Jam, Winter Storm, Drought, Earthquake, Extreme Temperatures, Hailstorm, Hurricane, Tropical Storm, Nor'easter, Invasive Species, Landslide, Lightning Strike, Tornado, Windstorm, Tsunami, Wildfire, Dam Failure, Levee Failure, Urban Fire or Explosion, Environmental Hazards.
<b>Potential Funding Sources:</b>	PA DCNR, PA DEP, Northumberland County Planning staff
<b>Lead Agency/Department:</b>	Local municipalities with County support
<b>Implementation Schedule:</b>	Continuous.

<b>COMMUNITY(IES):</b>	Northumberland County and all municipalities.
<b>ACTION NO. 12</b>	ACTION: Develop a plan of hazard mitigation best management practices that can be shared with other Counties.
<b>Mitigation Technique Category:</b>	Prevention
<b>Hazard(s) Addressed:</b>	Flood, Flash Flood, Ice Jam, Winter Storm, Drought, Earthquake, Extreme Temperatures, Hailstorm, Hurricane, Tropical Storm, Nor'easter, Invasive Species, Landslide, Lightning Strike, Pandemic, Radon Exposure, Tornado, Windstorm, Wildfire, Building or Structure Collapse, Civil Disturbance, Dam Failure, Drowning, Levee Failure, Nuclear Incidents, Terrorism, Urban Fire or Explosion, War and Criminal Activity, Opioids, Environmental Hazards, Utility Interruptions, Transportation Accidents, Subsidence/Sinkholes.
<b>Potential Funding Sources:</b>	Northumberland County staff
<b>Lead Agency/Department:</b>	Northumberland County Department of Public Safety
<b>Implementation Schedule:</b>	Completion within one year, then an annual meeting with other Counties is to be setup.

<b>COMMUNITY(IES):</b>	Northumberland County and all municipalities.
<b>ACTION NO. 13</b>	ACTION: Enforce sediment and erosion control regulations for all Land Development Planning, especially for floodplain areas.
<b>Mitigation Technique Category:</b>	Prevention, Public Education and Awareness
<b>Hazard(s) Addressed:</b>	Flood, Flash Flood, Ice Jam, Winter Storm, Drought, Earthquake, Extreme Temperatures, Hailstorm, Hurricane, Tropical Storm, Nor'easter, Invasive Species, Landslide, Lightning Strike, Pandemic, Radon Exposure, Tornado, Windstorm, Wildfire, Building or Structure Collapse, Civil Disturbance, Dam Failure, Drowning, Levee Failure, Nuclear Incidents, Terrorism, Urban Fire or Explosion, War and Criminal Activity, Opioids, Environmental Hazards, Utility Interruptions, Transportation Accidents, Subsidence/Sinkholes.
<b>Potential Funding Sources:</b>	Northumberland County staff, Northumberland County Conservation District, municipal staff, PA DEP
<b>Lead Agency/Department:</b>	Local municipalities with County support
<b>Implementation Schedule:</b>	Continuous

<b>COMMUNITY(IES):</b>	Northumberland County and all municipalities.
<b>ACTION NO. 14</b>	ACTION: Work with state and federal officials to enforce dumping regulations along the North & West Branch of the Susquehanna River, especially the recreational areas.
<b>Mitigation Technique Category:</b>	Prevention, Natural Resource Protection
<b>Hazard(s)</b>	Flood, Flash Flood, Environmental Hazards
<b>Potential Funding Sources:</b>	PA DCED, PA DEP, PA DCNR, Northumberland County staff
<b>Lead Agency/Department:</b>	Local municipalities with County support
<b>Implementation Schedule:</b>	Completion within one year.

<b>COMMUNITY(IES):</b>	Northumberland County and all municipalities.
<b>ACTION NO. 15</b>	ACTION: Work with state and federal officials to enforce wetlands development regulations for all Land Development Planning to protect the Natural Resources..
<b>Mitigation Technique Category:</b>	Prevention, Natural Resource Protection
<b>Hazard(s)</b>	Flood, Flash Flood, Environmental Hazards
<b>Potential Funding Sources:</b>	PA DCED, PA DEP, PA DCNR, Northumberland County staff
<b>Lead Agency/Department:</b>	Local municipalities with County support
<b>Implementation Schedule:</b>	Completion within one year.

<b>COMMUNITY(IES):</b>	Coal Township, Delaware Township, East Cameron Township, East Chillisquaque Township, Herndon Borough, Jackson Township, Jordan Township, Kulpmont Borough, Lewis Township, Little Mahanoy Township, Lower Augusta Township, Lower Mahanoy Township, McEwensville Borough, Milton Borough, Mount Carmel Borough, Mount Carmel Township, Northumberland Borough, Point Township, Ralpho Township, Riverside Borough, Rockefeller Township, Rush Township, Shamokin City, Shamokin Township, Snyderstown Borough, Sunbury City, Turbot Township, Upper Augusta Township, Upper Mahanoy Township, Washington Township, Watsontown Borough, West Cameron Township, West Chillisquaque Township, Zerbe Township
<b>ACTION NO. 16</b>	<b>ACTION:</b> Identify potential locations to construct levees or floodwalls to protect communities subject to flooding along the West Branch of the Susquehanna River.
<b>Mitigation Technique Category:</b>	Structural Project Implementation
<b>Hazard(s) Addressed:</b>	Flood, Flash Flood, Ice Jam, Hurrican, Tropical Storm
<b>Potential Funding Sources:</b>	PA DCED, U.S. ARMY CORP. Northumberland County, effected Municipalities
<b>Lead Agency/Department:</b>	Local municipalities with County support
<b>Implementation Schedule:</b>	As funding becomes available.

<b>COMMUNITY(IES):</b>	Coal Township, Delaware Township, East Cameron Township, East Chillisquaque Township, Herndon Borough, Jackson Township, Jordan Township, Kulpmont Borough, Lewis Township, Little Mahanoy Township, Lower Augusta Township, Lower Mahanoy Township, McEwensville Borough, Milton Borough, Mount Carmel Borough, Mount Carmel Township, Northumberland Borough, Point Township, Ralpho Township, Riverside Borough, Rockefeller Township, Rush Township, Shamokin City, Shamokin Township, Snyderstown Borough, Sunbury City, Turbot Township, Upper Augusta Township, Upper Mahanoy Township, Washington Township, Watsontown Borough, West Cameron Township, West Chillisquaque Township, Zerbe Township
<b>ACTION NO. 17</b>	<b>ACTION:</b> Mitigate properties by elevation, acquisition & demolition, relocation or wet/dry floodproofing of properties in the hazard areas, notably the 1 percent annual chance floodplain.
<b>Mitigation Technique Category:</b>	Property Protection
<b>Hazard(s) Addressed:</b>	Flood, Flash Flood, Ice Jam, Hurrican, Tropical Storm,
<b>Potential Funding Sources:</b>	FEMA, PEMA, PA DCED, U.S.ARMY CORP, Hazard Mitigation Grants, Northumberland County & Municipal staff
<b>Lead Agency/Department:</b>	Local municipalities with County support
<b>Implementation Schedule:</b>	Continuous.

<b>COMMUNITY(IES):</b>	Northumberland County, and all communities
<b>ACTION NO. 18</b>	<b>ACTION:</b> Track Opioid use within each municipality, assist and support law enforcement activities to eliminate and prohibit the manufacturing, distribution and use of Opioids in Northumberland
<b>Mitigation Technique Category:</b>	Property Protection
<b>Hazard(s) Addressed:</b>	Flood, Flash Flood, Ice Jam, Hurrican, Tropical Storm,
<b>Potential Funding Sources:</b>	FEMA, PEMA, PA DCED, U.S.ARMY CORP, Hazard Mitigation Grants, Northumberland County & Municipal staff
<b>Lead Agency/Department:</b>	Northumberland County Department of Public Safety
<b>Implementation Schedule:</b>	Continuous.



<b>COMMUNITY(IES):</b>	Northumberland County, and all communities
<b>ACTION NO. 19</b>	ACTION: Regularly inspect and maintain bridges, culverts, and levees for the protection from hazards and structural failures..
<b>Mitigation Technique Category:</b>	Structural Project Implementation
<b>Hazard(s) Addressed:</b>	Flood, Flash Flood, Ice Jam, Winter Storm, Drought, Earthquake, Extreme Temperatures, Hailstorm, Hurrigan, Tropical Storm, Nor'easter, Invasive Species, Landslide, Lightning Strike, Pandemic, Radon Exposure, Tornado, Windstorm, Wildfire, Building or Structure Collapse, Civil Disturbance, Dam Failure, Drowning, Levee Failure, Nuclear Incidents, Terrorism, Urban Fire or Explosion, War and Criminal Activity, Opioids, Environmental Hazards, Utility Interruptions, Transportation Accidents, Subsidence/Sinkholes.
<b>Potential Funding Sources:</b>	FEMA, PEMA, PA DCED, U.S.ARMY CORP, PennDOT, Hazard Mitigation Grants, Northumberland County & Municipal staff
<b>Lead Agency/Department:</b>	Northumberland County Department of Public Safety
<b>Implementation Schedule:</b>	Continuous.

<b>COMMUNITY(IES):</b>	Northumberland County, and all communities
<b>ACTION NO. 20</b>	ACTION: Develop a stream corridor restoration plan to protect the Susquehanna River banks, stream and creek banks from washout & erosion.
<b>Mitigation Technique Category:</b>	Structural Project Implementation, Natural Resources Protection
<b>Hazard(s) Addressed:</b>	Flood, Flash Flood, Ice Jam, Winter Storm, Earthquake, Extreme Temperatures, Hurrigan, Tropical Storm, Nor'easter, Landslide, Tornado, Windstorm, Tsunami, Dam Failure, Levee Failure, Environmental Hazards, Subsidence/Sinkholes.
<b>Potential Funding Sources:</b>	FEMA, PEMA, PA DCED, U.S.ARMY CORP, Northumberland County staff
<b>Lead Agency/Department:</b>	Northumberland County Planning
<b>Implementation Schedule:</b>	Within five years.

<b>COMMUNITY(IES):</b>	Northumberland County and all communities.
<b>ACTION NO. 21</b>	ACTION: Create and maintain a database and map of all critical facilities in the County for Emergency and Hazard Planning.
<b>Mitigation Technique Category:</b>	Emergency Services
<b>Hazard(s) Addressed:</b>	Flood, Flash Flood, Ice Jam, Winter Storm, Drought, Earthquake, Extreme Temperatures, Hailstorm, Hurrigan, Tropical Storm, Nor'easter, Invasive Species, Landslide, Lightning Strike, Pandemic, Radon Exposure, Tornado, Windstorm, Wildfire, Building or Structure Collapse, Civil Disturbance, Dam Failure, Drowning, Levee Failure, Nuclear Incidents, Terrorism, Urban Fire or Explosion, War and Criminal Activity, Opioids, Environmental Hazards, Utility Interruptions, Transportation Accidents, Subsidence/Sinkholes.
<b>Potential Funding Sources:</b>	Northumberland County Staff
<b>Lead Agency/Department:</b>	Northumberland County Department of Public Safety
<b>Implementation Schedule:</b>	Continuous

<b>COMMUNITY(IES):</b>	Northumberland County and all communities.
<b>ACTION NO. 22</b>	<b>ACTION:</b> Inspect critical facilities regularly to ensure they comply with standard codes and can structurally withstand the impacts of a disaster.
<b>Mitigation Technique Category:</b>	Prevention, Property Protection, Structural Project Implementation
<b>Hazard(s) Addressed:</b>	Flood, Flash Flood, Ice Jam, Winter Storm, Drought, Earthquake, Extreme Temperatures, Hailstorm, Hurrican, Tropical Storm, Nor'easter, Invasive Species, Landslide, Lightning Strike, Pandemic, Radon Exposure, Tornado, Windstorm, Wildfire, Building or Structure Collapse, Civil Disturbance, Dam Failure, Drowning, Levee Failure, Nuclear Incidents, Terrorism, Urban Fire or Explosion, War and Criminal Activity, Opioids, Environmental Hazards, Utility Interruptions, Transportation Accidents, Subsidence/Sinkholes.
<b>Potential Funding Sources:</b>	FEMA, PEMA, PADCED, Hazard Mitigation Grants, Northumberland County and Municipal staff
<b>Lead Agency/Department:</b>	Northumberland County Department of Public Safety
<b>Implementation Schedule:</b>	Completion within 2 years.

<b>COMMUNITY(IES):</b>	Northumberland County and all communities.
<b>ACTION NO. 23</b>	<b>ACTION:</b> Participate in the hazard mitigation planning process.
<b>Mitigation Technique Category:</b>	Public Education and Awareness, Prevention
<b>Hazard(s) Addressed:</b>	Flood, Flash Flood, Ice Jam, Winter Storm, Drought, Earthquake, Extreme Temperatures, Hailstorm, Hurrican, Tropical Storm, Nor'easter, Invasive Species, Landslide, Lightning Strike, Pandemic, Radon Exposure, Tornado, Windstorm, Wildfire, Building or Structure Collapse, Civil Disturbance, Dam Failure, Drowning, Levee Failure, Nuclear Incidents, Terrorism, Urban Fire or Explosion, War and Criminal Activity, Opioids, Environmental Hazards, Utility Interruptions, Transportation Accidents, Subsidence/Sinkholes.
<b>Potential Funding Sources:</b>	Northumberland County staff
<b>Lead Agency/Department:</b>	Local municipalities with County support
<b>Implementation Schedule:</b>	Continuous.

<b>COMMUNITY(IES):</b>	Coal Township, Delaware Township, East Cameron Township, East Chillisquaque Township, Herndon Borough, Jackson Township, Jordan Township, Kulpmont Borough, Lewis Township, Little Mahanoy Township, Lower Augusta Township, Lower Mahanoy Township, McEwensville Borough, Milton Borough, Mount Carmel Borough, Mount Carmel Township, Northumberland Borough, Point Township, Ralpho Township, Riverside Borough, Rockefeller Township, Rush Township, Shamokin City, Shamokin Township, Snyderstown Borough, Sunbury City, Turbot Township, Upper Augusta Township, Upper Mahanoy Township, Washington Township, Watsontown Borough, West Cameron Township, West Chillisquaque Township, Zerbe Township
<b>ACTION NO. 24</b>	<b>ACTION:</b> Enforce floodplain development regulations to ensure proper floodproofing and
<b>Mitigation Technique Category:</b>	Prevention
<b>Hazard(s) Addressed:</b>	Flood, Flash Flood, Ice Jam, Hurrican, Tropical Storm, Dam Failure, Levee Failure
<b>Potential Funding Sources:</b>	Northumberland County & Municipal staff
<b>Lead Agency/Department:</b>	Municipal Floodplain Managers with County support
<b>Implementation Schedule:</b>	Continuous

<b>COMMUNITY(IES):</b>	Northumberland County and all communities.
<b>ACTION NO. 25</b>	ACTION: Offer technical assistance to municipalities to develop, address, or enforce floodplain, zoning, hillside development regulations, subdivision and development regulations, design review standards, and environmental review standards.
<b>Mitigation Technique Category:</b>	Prevention, Property Protection
<b>Hazard(s) Addressed:</b>	Flood, Flash Flood, Ice Jam, Winter Storm, Drought, Earthquake, Extreme Temperatures, Hailstorm, Hurricane, Tropical Storm, Nor'easter, Invasive Species, Landslide, Lightning Strike, Pandemic, Radon Exposure, Tornado, Windstorm, Wildfire, Building or Structure Collapse, Civil Disturbance, Dam Failure, Drowning, Levee Failure, Nuclear Incidents, Terrorism, Urban Fire or Explosion, War and Criminal Activity, Opioids, Environmental Hazards, Utility Interruptions, Transportation Accidents, Subsidence/Sinkholes.
<b>Potential Funding Sources:</b>	Northumberland County & Municipal staff
<b>Lead Agency/Department:</b>	Local municipalities with County support
<b>Implementation Schedule:</b>	Continuous

<b>COMMUNITY(IES):</b>	Northumberland County and all communities.
<b>ACTION NO. 26</b>	ACTION: Develop stormwater management plans and regulations for those watersheds in the County that do not currently have a plan.
<b>Mitigation Technique Category:</b>	Prevention, Structural Project Implementation
<b>Hazard(s) Addressed:</b>	Flood, Flash Flood, Ice Jam, Winter Storm, Drought, Earthquake, Extreme Temperatures, Hailstorm, Hurricane, Tropical Storm, Nor'easter, Invasive Species, Landslide, Lightning Strike, Pandemic, Radon Exposure, Tornado, Windstorm, Wildfire, Building or Structure Collapse, Civil Disturbance, Dam Failure, Drowning, Levee Failure, Nuclear Incidents, Terrorism, Urban Fire or Explosion, War and Criminal Activity, Opioids, Environmental Hazards, Utility Interruptions, Transportation Accidents, Subsidence/Sinkholes.
<b>Potential Funding Sources:</b>	Northumberland County, FEMA, PEMA, PA DCED, Hazard Mitigation Grants, Northumberland County & Municipal staff
<b>Lead Agency/Department:</b>	Northumberland County Planning
<b>Implementation Schedule:</b>	Completion within 1 year.

<b>COMMUNITY(IES):</b>	Coal Township, Delaware Township, East Cameron Township, East Chillisquaque Township, Herndon Borough, Jackson Township, Jordan Township, Kulpmont Borough, Lewis Township, Little Mahanoy Township, Lower Augusta Township, Lower Mahanoy Township, McEwensville Borough, Milton Borough, Mount Carmel Borough, Mount Carmel Township, Northumberland Borough, Point Township, Ralpho Township, Riverside Borough, Rockefeller Township, Rush Township, Shamokin City, Shamokin Township, Snyderstown Borough, Sunbury City, Turbot Township, Upper Augusta Township, Upper Mahanoy Township, Washington Township, Watsonstown Borough, West Cameron Township, West Chillisquaque Township, Zerbe Township
<b>ACTION NO. 27</b>	ACTION: Purchase of easement/development rights in hazard-prone areas, specifically the 1 percent annual chance floodplain to limit floodplain development.
<b>Mitigation Technique Category:</b>	Property Protection
<b>Hazard(s) Addressed:</b>	Flood, Flash Flood, Ice Jam, Hurricane, Tropical Storm, Dam Failure, Levee Failure
<b>Potential Funding Sources:</b>	FEMA, PEMA, PA DCED, Hazard Mitigation Grants, Northumberland County & Municipal staff
<b>Lead Agency/Department:</b>	Municipal Floodplain Managers with County support
<b>Implementation Schedule:</b>	As funds become available.

<b>COMMUNITY(IES):</b>	Coal Township, Delaware Township, East Cameron Township, East Chillisquaque Township, Herndon Borough, Jackson Township, Jordan Township, Kulpmont Borough, Lewis Township, Little Mahanoy Township, Lower Augusta Township, Lower Mahanoy Township, McEwensville Borough, Milton Borough, Mount Carmel Borough, Mount Carmel Township, Northumberland Borough, Point Township, Ralpho Township, Riverside Borough, Rockefeller Township, Rush Township, Shamokin City, Shamokin Township, Snyderstown Borough, Sunbury City, Turbot Township, Upper Augusta Township, Upper Mahanoy Township, Washington Township, Watsontown Borough, West Cameron Township, West Chillisquaque Township, Zerbe Township
<b>ACTION NO. 28</b>	ACTION: Promote open space preservation for flood water storage without causing damages.
<b>Mitigation Technique Category:</b>	Natural Resource Protection
<b>Hazard(s) Addressed:</b>	Flood, Flash Flood, Ice Jam, Hurrigan, Tropical Storm, Dam Failure, Levee Failure
<b>Potential Funding Sources:</b>	PA DCED, PA DEP, PA DCNR, Northumberland County & Municipal staff
<b>Lead Agency/Department:</b>	Local Municipalities with County support
<b>Implementation Schedule:</b>	Continuous

<b>COMMUNITY(IES):</b>	Coal Township, Delaware Township, East Cameron Township, East Chillisquaque Township, Herndon Borough, Jackson Township, Jordan Township, Kulpmont Borough, Lewis Township, Little Mahanoy Township, Lower Augusta Township, Lower Mahanoy Township, McEwensville Borough, Milton Borough, Mount Carmel Borough, Mount Carmel Township, Northumberland Borough, Point Township, Ralpho Township, Riverside Borough, Rockefeller Township, Rush Township, Shamokin City, Shamokin Township, Snyderstown Borough, Sunbury City, Turbot Township, Upper Augusta Township, Upper Mahanoy Township, Washington Township, Watsontown Borough, West Cameron Township, West Chillisquaque Township, Zerbe Township
<b>ACTION NO. 29</b>	ACTION: Require special use permits for hazard-prone areas according to the Floodplain Ordinances..
<b>Mitigation Technique Category:</b>	Prevention
<b>Hazard(s) Addressed:</b>	Flood, Flash Flood, Ice Jam, Hurrigan, Tropical Storm,
<b>Potential Funding Sources:</b>	FEMA, PEMA, PA DCED, Northumberland County & Municipal staff
<b>Lead Agency/Department:</b>	Municipal Floodplain Managers with County support
<b>Implementation Schedule:</b>	Continous

<b>COMMUNITY(IES):</b>	Northumberland County and all municipalities
<b>ACTION NO. 30</b>	ACTION: Promote natural resource planning especially for public awareness and recreational
<b>Mitigation Technique Category:</b>	Public Education and Awareness, Prevention, Natural Resource Protection
<b>Hazard(s) Addressed:</b>	Flood, Flash Flood, Ice Jam, Winter Storm, Drought, Earthquake, Extreme Temperatures, Hailstorm, Hurrigan, Tropical Storm, Nor'easter, Invasive Species, Landslide, Lightning Strike, Pandemic, Radon Exposure, Tornado, Windstorm, Wildfire, Building or Structure Collapse, Civil Disturbance, Dam Failure, Drowning, Levee Failure, Nuclear Incidents, Terrorism, Urban Fire or Explosion, War and Criminal Activity, Opioids, Environmental Hazards, Utility Interruptions, Transportation Accidents, Subsidence/Sinkholes.
<b>Potential Funding Sources:</b>	Northumberland County Planning staff
<b>Lead Agency/Department:</b>	Northumberland County Planning
<b>Implementation Schedule:</b>	Continuous

<b>COMMUNITY(IES):</b>	Northumberland County and all municipalities
<b>ACTION NO. 31</b>	ACTION: Review, evaluate, and discuss designated growth areas in existing County and Local plans to ensure development will occur out of hazard-prone areas.
<b>Mitigation Technique Category:</b>	Public Education and Awareness, Property Protection
<b>Hazard(s) Addressed:</b>	Flood, Flash Flood, Ice Jam, Winter Storm, Drought, Earthquake, Extreme Temperatures, Hailstorm, Hurrigan, Tropical Storm, Nor'easter, Invasive Species, Landslide, Lightning Strike, Pandemic, Radon Exposure, Tornado, Windstorm, Wildfire, Building or Structure Collapse, Civil Disturbance, Dam Failure, Drowning, Levee Failure, Nuclear Incidents, Terrorism, Urban Fire or Explosion, War and Criminal Activity, Opioids, Environmental Hazards, Utility Interruptions, Transportation Accidents, Subsidence/Sinkholes.
<b>Potential Funding Sources:</b>	Northumberland County Planning staff
<b>Lead Agency/Department:</b>	Northumberland County Planning
<b>Implementation Schedule:</b>	Continuous

<b>COMMUNITY(IES):</b>	Northumberland County and all municipalities
<b>ACTION NO. 32</b>	ACTION: Review planned infrastructure to ensure that it will be developed outside of hazard-prone
<b>Mitigation Technique Category:</b>	Public Education and Awareness, Property Protection
<b>Hazard(s) Addressed:</b>	Flood, Flash Flood, Ice Jam, Winter Storm, Drought, Earthquake, Extreme Temperatures, Hailstorm, Hurrigan, Tropical Storm, Nor'easter, Invasive Species, Landslide, Lightning Strike, Pandemic, Radon Exposure, Tornado, Windstorm, Wildfire, Building or Structure Collapse, Civil Disturbance, Dam Failure, Drowning, Levee Failure, Nuclear Incidents, Terrorism, Urban Fire or Explosion, War and Criminal Activity, Opioids, Environmental Hazards, Utility Interruptions, Transportation Accidents, Subsidence/Sinkholes.
<b>Potential Funding Sources:</b>	Northumberland County Planning staff
<b>Lead Agency/Department:</b>	Northumberland County Planning
<b>Implementation Schedule:</b>	Continuous

<b>COMMUNITY(IES):</b>	Coal Township, Delaware Township, East Cameron Township, East Chillisquaque Township, Herndon Borough, Jackson Township, Jordan Township, Kulpmont Borough, Lewis Township, Little Mahanoy Township, Lower Augusta Township, Lower Mahanoy Township, McEwensville Borough, Milton Borough, Mount Carmel Borough, Mount Carmel Township, Northumberland Borough, Point Township, Ralpho Township, Riverside Borough, Rockefeller Township, Rush Township, Shamokin City, Shamokin Township, Snyderstown Borough, Sunbury City, Turbot Township, Upper Augusta Township, Upper Mahanoy Township, Washington Township, Watsontown Borough, West Cameron Township, West Chillisquaque Township, Zerbe Township
<b>ACTION NO. 33</b>	ACTION: Recommend, encourage, and assist communities to participate in the National Flood Insurance Program (NFIP) Community Rating System (CRS).
<b>Mitigation Technique Category:</b>	Public Education and Awareness, Property Protection
<b>Hazard(s) Addressed:</b>	Flood, Flash Flood, Ice Jam, Hurrigan, Tropical Storm, Dam Failure, Levee Failure
<b>Potential Funding Sources:</b>	FEMA, PEMA, PA DCED, Northumberland County staff, Municipal Floodplain Managers
<b>Lead Agency/Department:</b>	Northumberland County Department of Public Safety
<b>Implementation Schedule:</b>	Continuous

<b>COMMUNITY(IES):</b>	Northumberland County and all municipalities
<b>ACTION NO. 34</b>	ACTION: Encourage regional development of plans and procedures with other Counties and Municipalities.
<b>Mitigation Technique Category:</b>	Prevention
<b>Hazard(s) Addressed:</b>	Flood, Flash Flood, Ice Jam, Winter Storm, Drought, Earthquake, Extreme Temperatures, Hailstorm, Hurricane, Tropical Storm, Nor'easter, Invasive Species, Landslide, Lightning Strike, Pandemic, Radon Exposure, Tornado, Windstorm, Wildfire, Building or Structure Collapse, Civil Disturbance, Dam Failure, Drowning, Levee Failure, Nuclear Incidents, Terrorism, Urban Fire or Explosion, War and Criminal Activity, Opioids, Environmental Hazards, Utility Interruptions, Transportation Accidents, Subsidence/Sinkholes.
<b>Potential Funding Sources:</b>	PA DCED, Northumberland County staff,
<b>Lead Agency/Department:</b>	Northumberland County Department of Public Safety
<b>Implementation Schedule:</b>	Completion within two years.

<b>COMMUNITY(IES):</b>	Northumberland County and all municipalities
<b>ACTION NO. 35</b>	ACTION: Encourage departments responsible for creating and storing data related to parcels, centerlines, buildings, addresses, hydrology, and hazards to develop and enforce data maintenance policies.
<b>Mitigation Technique Category:</b>	Prevention
<b>Hazard(s) Addressed:</b>	Flood, Flash Flood, Ice Jam, Winter Storm, Drought, Earthquake, Extreme Temperatures, Hailstorm, Hurricane, Tropical Storm, Nor'easter, Invasive Species, Landslide, Lightning Strike, Pandemic, Radon Exposure, Tornado, Windstorm, Wildfire, Building or Structure Collapse, Civil Disturbance, Dam Failure, Drowning, Levee Failure, Nuclear Incidents, Terrorism, Urban Fire or Explosion, War and Criminal Activity, Opioids, Environmental Hazards, Utility Interruptions, Transportation Accidents, Subsidence/Sinkholes.
<b>Potential Funding Sources:</b>	FEMA, PEMA, PA DCED, Northumberland County & Municipal staff
<b>Lead Agency/Department:</b>	Northumberland County Information Services
<b>Implementation Schedule:</b>	Continuous

<b>COMMUNITY(IES):</b>	Northumberland County and all municipalities
<b>ACTION NO. 36</b>	ACTION: Encourage the development of data-sharing policies and agreements between departments and organizations responsible for data creation, management, and use.
<b>Mitigation Technique Category:</b>	Prevention
<b>Hazard(s) Addressed:</b>	Flood, Flash Flood, Ice Jam, Winter Storm, Drought, Earthquake, Extreme Temperatures, Hailstorm, Hurricane, Tropical Storm, Nor'easter, Invasive Species, Landslide, Lightning Strike, Pandemic, Radon Exposure, Tornado, Windstorm, Wildfire, Building or Structure Collapse, Civil Disturbance, Dam Failure, Drowning, Levee Failure, Nuclear Incidents, Terrorism, Urban Fire or Explosion, War and Criminal Activity, Opioids, Environmental Hazards, Utility Interruptions, Transportation Accidents, Subsidence/Sinkholes.
<b>Potential Funding Sources:</b>	FEMA, PEMA, PA DCED, Northumberland County & Municipal staff
<b>Lead Agency/Department:</b>	Northumberland County Information Services
<b>Implementation Schedule:</b>	Continuous

<b>COMMUNITY(IES):</b>	Northumberland County and all municipalities
<b>ACTION NO. 37</b>	ACTION: Develop and maintain hazard occurrence databases to record information on hazards such as date and time of occurrence, duration of disaster, amount of damage, numbers of injuries, etc., for repetitive hazard profiling and for prediction & early warning planning & notifications.
<b>Mitigation Technique Category:</b>	Prevention, Emergency Services
<b>Hazard(s) Addressed:</b>	Flood, Flash Flood, Ice Jam, Winter Storm, Drought, Earthquake, Extreme Temperatures, Hailstorm, Hurrigan, Tropical Storm, Nor'easter, Invasive Species, Landslide, Lightning Strike, Pandemic, Radon Exposure, Tornado, Windstorm, Wildfire, Building or Structure Collapse, Civil Disturbance, Dam Failure, Drowning, Levee Failure, Nuclear Incidents, Terrorism, Urban Fire or Explosion, War and Criminal Activity, Opioids, Environmental Hazards, Utility Interruptions, Transportation Accidents, Subsidence/Sinkholes.
<b>Potential Funding Sources:</b>	FEMA, PEMA, PA DCED, Northumberland County & Municipal staff
<b>Lead Agency/Department:</b>	Northumberland County Information Services
<b>Implementation Schedule:</b>	Continuous

<b>COMMUNITY(IES):</b>	Coal Township, Delaware Township, East Cameron Township, East Chillisquaque Township, Herndon Borough, Jackson Township, Jordan Township, Kulpmont Borough, Lewis Township, Little Mahanoy Township, Lower Augusta Township, Lower Mahanoy Township, McEwensville Borough, Milton Borough, Mount Carmel Borough, Mount Carmel Township, Northumberland Borough, Point Township, Ralpho Township, Riverside Borough, Rockefeller Township, Rush Township, Shamokin City, Shamokin Township, Snyderstown Borough, Sunbury City, Turbot Township, Upper Augusta Township, Upper Mahanoy Township, Washington Township, Watsontown Borough, West Cameron Township, West Chillisquaque Township, Zerbe Township
<b>ACTION NO. 38</b>	ACTION: Develop detailed databases on parcels and buildings in and out of the 1 percent annual chance floodplain. The data could include first-floor elevations, number of stories, basements, value of the structure, acreage of parcel in the floodplain, etc.
<b>Mitigation Technique Category:</b>	Prevention
<b>Hazard(s) Addressed:</b>	Flood, Flash Flood, Ice Jam, Hurrigan, Tropical Storm, Dam Failure, Levee Failure
<b>Potential Funding Sources:</b>	FEMA, PEMA, PA DCED, Northumberland County & Municipal staff
<b>Lead Agency/Department:</b>	Northumberland County Information Services
<b>Implementation Schedule:</b>	Continuous

<b>COMMUNITY(IES):</b>	Coal Township, Delaware Township, East Cameron Township, East Chillisquaque Township, Herndon Borough, Jackson Township, Jordan Township, Kulpmont Borough, Lewis Township, Little Mahanoy Township, Lower Augusta Township, Lower Mahanoy Township, McEwensville Borough, Milton Borough, Mount Carmel Borough, Mount Carmel Township, Northumberland Borough, Point Township, Ralpho Township, Riverside Borough, Rockefeller Township, Rush Township, Shamokin City, Shamokin Township, Snyderstown Borough, Sunbury City, Turbot Township, Upper Augusta Township, Upper Mahanoy Township, Washington Township, Watsontown Borough, West Cameron Township, West Chillisquaque Township, Zerbe Township
<b>ACTION NO. 39</b>	ACTION: Work with the Federal Emergency Management Agency (FEMA) to update current NFIP floodplain maps and determine base flood elevations for the county.
<b>Mitigation Technique Category:</b>	Prevention
<b>Hazard(s) Addressed:</b>	Flood, Flash Flood, Ice Jam, Hurrigan, Tropical Storm, Dam Failure, Levee Failure
<b>Potential Funding Sources:</b>	FEMA, PEMA, PA DCED, Northumberland County & Municipal staff
<b>Lead Agency/Department:</b>	Local Municipalities with County support
<b>Implementation Schedule:</b>	Couninuous



<b>COMMUNITY(IES):</b>	Northumberland County and Municipalities with dams & levees
<b>ACTION NO. 40</b>	<b>ACTION:</b> Ensure that all critical facilities, including local dams and levees, have updated Emergency Response Plans.
<b>Mitigation Technique Category:</b>	Prevention, Emergency Services
<b>Hazard(s) Addressed:</b>	Flood, Flash Flood, Ice Jam, Winter Storm, Drought, Earthquake, Extreme Temperatures, Hailstorm, Hurrican, Tropical Storm, Nor'easter, Invasive Species, Landslide, Lightning Strike, Pandemic, Radon Exposure, Tornado, Windstorm, Wildfire, Building or Structure Collapse, Civil Disturbance, Dam Failure, Drowning, Levee Failure, Nuclear Incidents, Terrorism, Urban Fire or Explosion, War and Criminal Activity, Opioids, Environmental Hazards, Utility Interruptions, Transportation Accidents, Subsidence/Sinkholes.
<b>Potential Funding Sources:</b>	Northumberland County Department of Public Safety & Municipal staff
<b>Lead Agency/Department:</b>	Northumberland County Department of Public Safety
<b>Implementation Schedule:</b>	Continuous

<b>COMMUNITY(IES):</b>	Northumberland County
<b>ACTION NO. 41</b>	<b>ACTION:</b> Develop and distribute a list of contact persons for each organization that may play a part in emergency response, services, relief, or hazard mitigation actions and planning.
<b>Mitigation Technique Category:</b>	Public Education and Awareness, Emergency Services
<b>Hazard(s) Addressed:</b>	Flood, Flash Flood, Ice Jam, Winter Storm, Drought, Earthquake, Extreme Temperatures, Hailstorm, Hurrican, Tropical Storm, Nor'easter, Invasive Species, Landslide, Lightning Strike, Pandemic, Radon Exposure, Tornado, Windstorm, Wildfire, Building or Structure Collapse, Civil Disturbance, Dam Failure, Drowning, Levee Failure, Nuclear Incidents, Terrorism, Urban Fire or Explosion, War and Criminal Activity, Opioids, Environmental Hazards, Utility Interruptions, Transportation Accidents, Subsidence/Sinkholes.
<b>Potential Funding Sources:</b>	Northumberland County Department of Public Safety & Municipal staff
<b>Lead Agency/Department:</b>	Northumberland County Department of Public Safety
<b>Implementation Schedule:</b>	Completion within one year.

<b>COMMUNITY(IES):</b>	Northumberland County and all Municipalities.
<b>ACTION NO. 42</b>	<b>ACTION:</b> Encourage the heads of each department or organization involved in emergency response, services, relief, or hazard mitigation to meet several times a year to discuss hazard mitigation planning and training.
<b>Mitigation Technique Category:</b>	Emergency Services
<b>Hazard(s) Addressed:</b>	Flood, Flash Flood, Ice Jam, Winter Storm, Drought, Earthquake, Extreme Temperatures, Hailstorm, Hurrican, Tropical Storm, Nor'easter, Invasive Species, Landslide, Lightning Strike, Pandemic, Radon Exposure, Tornado, Windstorm, Wildfire, Building or Structure Collapse, Civil Disturbance, Dam Failure, Drowning, Levee Failure, Nuclear Incidents, Terrorism, Urban Fire or Explosion, War and Criminal Activity, Opioids, Environmental Hazards, Utility Interruptions, Transportation Accidents, Subsidence/Sinkholes.
<b>Potential Funding Sources:</b>	Northumberland County staff
<b>Lead Agency/Department:</b>	Northumberland County Department of Public Safety
<b>Implementation Schedule:</b>	Continuous.



<b>COMMUNITY(IES):</b>	Northumberland County
<b>ACTION NO. 43</b>	ACTION: Disseminate informational brochures or mailings and/or create websites and social media for organizations involved in emergency response, services, relief, or hazard mitigation.
<b>Mitigation Technique Category:</b>	Public Education and Awareness, Emergency Services
<b>Hazard(s) Addressed:</b>	Flood, Flash Flood, Ice Jam, Winter Storm, Drought, Earthquake, Extreme Temperatures, Hailstorm, Hurricane, Tropical Storm, Nor'easter, Invasive Species, Landslide, Lightning Strike, Pandemic, Radon Exposure, Tornado, Windstorm, Wildfire, Building or Structure Collapse, Civil Disturbance, Dam Failure, Drowning, Levee Failure, Nuclear Incidents, Terrorism, Urban Fire or Explosion, War and Criminal Activity, Opioids, Environmental Hazards, Utility Interruptions, Transportation Accidents, Subsidence/Sinkholes.
<b>Potential Funding Sources:</b>	FEMA, PEMA, PA DCED, Northumberland County Department of Public Safety
<b>Lead Agency/Department:</b>	Northumberland County Department of Public Safety
<b>Implementation Schedule:</b>	Completion within one year.

<b>COMMUNITY(IES):</b>	Northumberland county and all Municipalities
<b>ACTION NO. 44</b>	ACTION: Inventory all available equipment and technology used for emergency response, for hazard planning, and EOP resource listing .
<b>Mitigation Technique Category:</b>	Emergency Services
<b>Hazard(s) Addressed:</b>	Flood, Flash Flood, Ice Jam, Winter Storm, Drought, Earthquake, Extreme Temperatures, Hailstorm, Hurricane, Tropical Storm, Nor'easter, Invasive Species, Landslide, Lightning Strike, Pandemic, Radon Exposure, Tornado, Windstorm, Wildfire, Building or Structure Collapse, Civil Disturbance, Dam Failure, Drowning, Levee Failure, Nuclear Incidents, Terrorism, Urban Fire or Explosion, War and Criminal Activity, Opioids, Environmental Hazards, Utility Interruptions, Transportation Accidents, Subsidence/Sinkholes.
<b>Potential Funding Sources:</b>	Northumberland county and Municipal staff
<b>Lead Agency/Department:</b>	Northumberland county Department of Public Safety
<b>Implementation Schedule:</b>	Continuous

<b>COMMUNITY(IES):</b>	Northumberland county and all Municipalities
<b>ACTION NO. 45</b>	ACTION: Develop evacuation routes and an evacuation plan to be used in the event of a disaster.
<b>Mitigation Technique Category:</b>	Public Education and Awareness, Emergency Services
<b>Hazard(s) Addressed:</b>	Flood, Flash Flood, Ice Jam, Winter Storm, Drought, Earthquake, Extreme Temperatures, Hailstorm, Hurricane, Tropical Storm, Nor'easter, Invasive Species, Landslide, Lightning Strike, Pandemic, Radon Exposure, Tornado, Windstorm, Wildfire, Building or Structure Collapse, Civil Disturbance, Dam Failure, Drowning, Levee Failure, Nuclear Incidents, Terrorism, Urban Fire or Explosion, War and Criminal Activity, Opioids, Environmental Hazards, Utility Interruptions, Transportation Accidents, Subsidence/Sinkholes.
<b>Potential Funding Sources:</b>	Northumberland County and Municipal staff
<b>Lead Agency/Department:</b>	Northumberland County Department of Public Safety
<b>Implementation Schedule:</b>	Continuous

<b>COMMUNITY(IES):</b>	Northumberland county and all Municipalities
<b>ACTION NO. 46</b>	ACTION: Encourage homeowners to install appropriate venting devices to alleviate radon concentrations from within homes.
<b>Mitigation Technique Category:</b>	Public Education and Awareness
<b>Hazard(s) Addressed:</b>	Flood, Flash Flood, Ice Jam, Winter Storm, Drought, Earthquake, Extreme Temperatures, Hailstorm, Hurricane, Tropical Storm, Nor'easter, Invasive Species, Landslide, Lightning Strike, Pandemic, Radon Exposure, Tornado, Windstorm, Wildfire, Building or Structure Collapse, Civil Disturbance, Dam Failure, Drowning, Levee Failure, Nuclear Incidents, Terrorism, Urban Fire or Explosion, War and Criminal Activity, Opioids, Environmental Hazards, Utility Interruptions, Transportation Accidents, Subsidence/Sinkholes.
<b>Potential Funding Sources:</b>	Northumberland county and all Municipalities, PEMA, PA DCED
<b>Lead Agency/Department:</b>	Northumberland County Department of Public Safety
<b>Implementation Schedule:</b>	Completion within one year.

<b>COMMUNITY(IES):</b>	Northumberland county and all Municipalities
<b>ACTION NO. 47</b>	ACTION: Require all municipalities in Northumberland County to create and adopt an Emergency Operations Plan and provide a copy to the County Dept. of Public Safety.
<b>Mitigation Technique Category:</b>	Prevention, Emergency Services
<b>Hazard(s) Addressed:</b>	Flood, Flash Flood, Ice Jam, Winter Storm, Drought, Earthquake, Extreme Temperatures, Hailstorm, Hurricane, Tropical Storm, Nor'easter, Invasive Species, Landslide, Lightning Strike, Pandemic, Radon Exposure, Tornado, Windstorm, Wildfire, Building or Structure Collapse, Civil Disturbance, Dam Failure, Drowning, Levee Failure, Nuclear Incidents, Terrorism, Urban Fire or Explosion, War and Criminal Activity, Opioids, Environmental Hazards, Utility Interruptions, Transportation Accidents, Subsidence/Sinkholes.
<b>Potential Funding Sources:</b>	Northumberland county and Municipal staff, PEMA, PA DCED
<b>Lead Agency/Department:</b>	Northumberland County Department of Public Safety
<b>Implementation Schedule:</b>	Completion within one year.

<b>COMMUNITY(IES):</b>	Coal Township, Delaware Township, East Cameron Township, East Chillisquaque Township, Herndon Borough, Jackson Township, Jordan Township, Kulpmont Borough, Lewis Township, Little Mahanoy Township, Lower Augusta Township, Lower Mahanoy Township, McEwensville Borough, Milton Borough, Mount Carmel Borough, Mount Carmel Township, Northumberland Borough, Point Township, Ralpho Township, Riverside Borough, Rockefeller Township, Rush Township, Shamokin City, Shamokin Township, Snyderstown Borough, Sunbury City, Turbot Township, Upper Augusta Township, Upper Mahanoy Township, Washington Township, Watsonstown Borough, West Cameron Township, West Chillisquaque Township, Zerbe Township
<b>ACTION NO. 48</b>	ACTION: Develop a Mitigation Plan for Repetitive and Severe Repetitive Loss properties.
<b>Mitigation Technique Category:</b>	Prevention
<b>Hazard(s) Addressed:</b>	Flood, Flash Flood, Ice Jam, Winter Storm, Drought, Earthquake, Extreme Temperatures, Hailstorm, Hurricane, Tropical Storm, Nor'easter, Invasive Species, Landslide, Lightning Strike, Pandemic, Radon Exposure, Tornado, Windstorm, Wildfire, Building or Structure Collapse, Civil Disturbance, Dam Failure, Drowning, Levee Failure, Nuclear Incidents, Terrorism, Urban Fire or Explosion, War and Criminal Activity, Opioids, Environmental Hazards, Utility Interruptions, Transportation Accidents, Subsidence/Sinkholes.
<b>Potential Funding Sources:</b>	FEMA, PEMA, PA DCED, Northumberland county and Municipal staff,
<b>Lead Agency/Department:</b>	Northumberland County Planning
<b>Implementation Schedule:</b>	Completion within one year.

<b>COMMUNITY(IES):</b>	Northumberland County and all Municipalities
<b>ACTION NO. 49</b>	ACTION: Recommend, encourage, and assist communities in the adoption of the 2017 NC HMP.
<b>Mitigation Technique Category:</b>	Public Education and Awareness, Prevention
<b>Hazard(s) Addressed:</b>	Flood, Flash Flood, Ice Jam, Winter Storm, Drought, Earthquake, Extreme Temperatures, Hailstorm, Hurrigan, Tropical Storm, Nor'easter, Invasive Species, Landslide, Lightning Strike, Pandemic, Radon Exposure, Tornado, Windstorm, Wildfire, Building or Structure Collapse, Civil Disturbance, Dam Failure, Drowning, Levee Failure, Nuclear Incidents, Terrorism, Urban Fire or Explosion, War and Criminal Activity, Opioids, Environmental Hazards, Utility Interruptions, Transportation Accidents, Subsidence/Sinkholes.
<b>Potential Funding Sources:</b>	FEMA, PEMA, Northumberland County Department of Public Safety staff
<b>Lead Agency/Department:</b>	Northumberland County Department of Public Safety
<b>Implementation Schedule:</b>	Completion within one year.

<b>COMMUNITY(IES):</b>	Coal Township, Delaware Township, East Cameron Township, East Chillisquaque Township, Herndon Borough, Jackson Township, Jordan Township, Kulpmont Borough, Lewis Township, Little Mahanoy Township, Lower Augusta Township, Lower Mahanoy Township, McEwensville Borough, Milton Borough, Mount Carmel Borough, Mount Carmel Township, Northumberland Borough, Point Township, Ralpho Township, Riverside Borough, Rockefeller Township, Rush Township, Shamokin City, Shamokin Township, Snyderstown Borough, Sunbury City, Turbot Township, Upper Augusta Township, Upper Mahanoy Township, Washington Township, Watsontown Borough, West Cameron Township, West Chillisquaque Township, Zerbe Township
<b>ACTION NO. 50</b>	ACTION: Municipalities shall require Building Permits for any work done to any structures located in the 1 percent annual chance floodplain.
<b>Mitigation Technique Category:</b>	Public Education and Awareness
<b>Hazard(s) Addressed:</b>	Flood, Flash Flood, Ice Jam, Hurrigan, Tropical Storm, Dam Failure, Levee Failure
<b>Potential Funding Sources:</b>	FEMA, PA DCED, Municipal staff
<b>Lead Agency/Department:</b>	Municipal Floodpalin Managers with County support
<b>Implementation Schedule:</b>	Continuous

<b>COMMUNITY(IES):</b>	Coal Township, Delaware Township, East Cameron Township, East Chillisquaque Township, Herndon Borough, Jackson Township, Jordan Township, Kulpmont Borough, Lewis Township, Little Mahanoy Township, Lower Augusta Township, Lower Mahanoy Township, McEwensville Borough, Milton Borough, Mount Carmel Borough, Mount Carmel Township, Northumberland Borough, Point Township, Ralpho Township, Riverside Borough, Rockefeller Township, Rush Township, Shamokin City, Shamokin Township, Snyderstown Borough, Sunbury City, Turbot Township, Upper Augusta Township, Upper Mahanoy Township, Washington Township, Watsontown Borough, West Cameron Township, West Chillisquaque Township, Zerbe Township
<b>ACTION NO. 51</b>	ACTION: Recommend and encourage municipalities to amend their floodplain ordinance to prohibit Manufactured (Mobile) Homes in the 1 percent annual chance floodplain.
<b>Mitigation Technique Category:</b>	Public Education and Awareness, Prevention
<b>Hazard(s) Addressed:</b>	Flood, Flash Flood, Ice Jam, Hurrigan, Tropical Storm, Dam Failure, Levee Failure
<b>Potential Funding Sources:</b>	FEMA, PEMA, PA DCED, Northumberland County Department of Public Safety, Municipal Floodplain Managers
<b>Lead Agency/Department:</b>	Municipal Floodpalin Managers with County support
<b>Implementation Schedule:</b>	Completion within one year.

<b>COMMUNITY(IES):</b>	Coal Township, Delaware Township, East Cameron Township, East Chillisquaque Township, Herndon Borough, Jackson Township, Jordan Township, Kulpmont Borough, Lewis Township, Little Mahanoy Township, Lower Augusta Township, Lower Mahanoy Township, McEwensville Borough, Milton Borough, Mount Carmel Borough, Mount Carmel Township, Northumberland Borough, Point Township, Ralpho Township, Riverside Borough, Rockefeller Township, Rush Township, Shamokin City, Shamokin Township, Snyderstown Borough, Sunbury City, Turbot Township, Upper Augusta Township, Upper Mahanoy Township, Washington Township, Watsontown Borough, West Cameron Township, West Chillisquaque Township, Zerbe Township
<b>ACTION NO. 52</b>	ACTION: Assist municipalities in developing policies and procedures related to hazard mitigation, especially for municipalities that are vulnerable to direct impacts from possible dam failure.
<b>Mitigation Technique Category:</b>	Public Education and Awareness, Prevention, Emergency Services
<b>Hazard(s) Addressed:</b>	Flood, Flash Flood, Ice Jam, Winter Storm, Avalanche/Glacier, Costal Erosion, Drought, Dust/Sand Storm, Earthquake, Expansive Soils, Extreme Temperatures, Hailstorm, Hurrigan, Tropical Storm, Nor'easter, Invasive Species, Landslide, Lightning Strike, Pandemic, Radon Exposure, Tornado, Windstorm, Tsunami, Wildfire, Volcano, Building or Structure Collapse, Civil Disturbance, Dam Failure, Disorientation, Drowning, Levee Failure, Nuclear Incidents, Terrorism, Urban Fire or Explosion, War and Criminal Activity, Opioids, Environmental Hazards, Utility Interruptions, Transportation Accidents, Subsidence/Sinkholes.
<b>Potential Funding Sources:</b>	FEMA, PEMA, PA DCED, Northumberland County Department of Public Safety & Municipal Floodplain Managers & Municipal EMA staff
<b>Lead Agency/Department:</b>	Northumberland County Department of Public Safety
<b>Implementation Schedule:</b>	Completion within one year.

<b>COMMUNITY(IES):</b>	Northumberland County and all Municipalities
<b>ACTION NO. 53</b>	ACTION: Develop a Northumberland County Post-Disaster Recovery & Reconstruction Ordinance using the model ordinance included in the APA/FEMA PAS Report # 483/484.
<b>Mitigation Technique Category:</b>	Prevention, Emergency Services
<b>Hazard(s) Addressed:</b>	Flood, Flash Flood, Ice Jam, Winter Storm, Drought, Earthquake, Extreme Temperatures, Hailstorm, Hurrigan, Tropical Storm, Nor'easter, Invasive Species, Landslide, Lightning Strike, Pandemic, Radon Exposure, Tornado, Windstorm, Wildfire, Building or Structure Collapse, Civil Disturbance, Dam Failure, Drowning, Levee Failure, Nuclear Incidents, Terrorism, Urban Fire or Explosion, War and Criminal Activity, Opioids, Environmental Hazards, Utility Interruptions, Transportation Accidents, Subsidence/Sinkholes.
<b>Potential Funding Sources:</b>	FEMA, PEMA, PA DCED, Northumberland County Department of Public Safety & Municipal Floodplain Managers & Municipal EMA staff
<b>Lead Agency/Department:</b>	Northumberland County Department of Public Safety
<b>Implementation Schedule:</b>	Completion within two years.

<b>COMMUNITY(IES):</b>	Coal Township, Delaware Township, East Cameron Township, East Chillisquaque Township, Herndon Borough, Jackson Township, Jordan Township, Kulpmont Borough, Lewis Township, Little Mahanoy Township, Lower Augusta Township, Lower Mahanoy Township, McEwensville Borough, Milton Borough, Mount Carmel Borough, Mount Carmel Township, Northumberland Borough, Point Township, Ralpho Township, Riverside Borough, Rockefeller Township, Rush Township, Shamokin City, Shamokin Township, Snyderstown Borough, Sunbury City, Turbot Township, Upper Augusta Township, Upper Mahanoy Township, Washington Township, Watsontown Borough, West Cameron Township, West Chillisquaque Township, Zerbe Township
<b>ACTION NO. 54</b>	ACTION: Recommend, encourage and assist municipalities in enforcing their floodplain ordinances.
<b>Mitigation Technique Category:</b>	Public Education and Awareness, Prevention, Property Protection
<b>Hazard(s) Addressed:</b>	Flood, Flash Flood, Ice Jam, Hurrigan, Tropical Storm, Dam Failure, Levee Failure
<b>Potential Funding Sources:</b>	FEMA, PEMA, PA DCED, Northumberland County Department of Public Safety & Municipal Floodplain Managers
<b>Lead Agency/Department:</b>	Northumberland County Department of Public Safety
<b>Implementation Schedule:</b>	Continuous.

<b>COMMUNITY(IES):</b>	Northumberland County and all Municipalities
<b>ACTION NO. 55</b>	ACTION: Assist municipalities in obtaining computer equipment, training, usage, and creating databases on local hazards for local Municipalities without equipment, etc..
<b>Mitigation Technique Category:</b>	Public Education and Awareness
<b>Hazard(s) Addressed:</b>	Flood, Flash Flood, Ice Jam, Winter Storm, Drought, Earthquake, Extreme Temperatures, Hailstorm, Hurricane, Tropical Storm, Nor'easter, Invasive Species, Landslide, Lightning Strike, Pandemic, Radon Exposure, Tornado, Windstorm, Wildfire, Building or Structure Collapse, Civil Disturbance, Dam Failure, Drowning, Levee Failure, Nuclear Incidents, Terrorism, Urban Fire or Explosion, War and Criminal Activity, Opioids, Environmental Hazards, Utility Interruptions, Transportation Accidents, Subsidence/Sinkholes.
<b>Potential Funding Sources:</b>	FEMA, PEMA, PA DCED, Northumberland County staff, Northumberland County department of Public Safety, Municipal Managers/Supervisors, local College IT Departments, College Interns
<b>Lead Agency/Department:</b>	Northumberland County Information Services
<b>Implementation Schedule:</b>	Completion within two years.

<b>COMMUNITY(IES):</b>	Northumberland County and all Municipalities
<b>ACTION NO. 56</b>	ACTION: Northumberland County to provide annual review/maintenance/update meetings on the 2017 NC HMP for local municipalities, stakeholders, etc. over the next 5 years.
<b>Mitigation Technique Category:</b>	Public Education and Awareness
<b>Hazard(s) Addressed:</b>	Flood, Flash Flood, Ice Jam, Winter Storm, Drought, Earthquake, Extreme Temperatures, Hailstorm, Hurricane, Tropical Storm, Nor'easter, Invasive Species, Landslide, Lightning Strike, Pandemic, Radon Exposure, Tornado, Windstorm, Wildfire, Building or Structure Collapse, Civil Disturbance, Dam Failure, Drowning, Levee Failure, Nuclear Incidents, Terrorism, Urban Fire or Explosion, War and Criminal Activity, Opioids, Environmental Hazards, Utility Interruptions, Transportation Accidents, Subsidence/Sinkholes.
<b>Potential Funding Sources:</b>	Northumberland County Department of Public Safety staff
<b>Lead Agency/Department:</b>	Northumberland County Department of Public Safety staff
<b>Implementation Schedule:</b>	Minimum of one meeting every 6 months

<b>COMMUNITY(IES):</b>	Northumberland County and all Municipalities
<b>ACTION NO. 57</b>	ACTION: Conduct annual hazard emergency management training exercises/drills with County and local municipalities.
<b>Mitigation Technique Category:</b>	Public Education and Awareness, Emergency Services
<b>Hazard(s) Addressed:</b>	Flood, Flash Flood, Ice Jam, Winter Storm, Drought, Earthquake, Extreme Temperatures, Hailstorm, Hurricane, Tropical Storm, Nor'easter, Invasive Species, Landslide, Lightning Strike, Pandemic, Radon Exposure, Tornado, Windstorm, Wildfire, Building or Structure Collapse, Civil Disturbance, Dam Failure, Drowning, Levee Failure, Nuclear Incidents, Terrorism, Urban Fire or Explosion, War and Criminal Activity, Opioids, Environmental Hazards, Utility Interruptions, Transportation Accidents, Subsidence/Sinkholes.
<b>Potential Funding Sources:</b>	Northumberland County Department of Public Safety staff
<b>Lead Agency/Department:</b>	Northumberland County Department of Public Safety
<b>Implementation Schedule:</b>	Continuous

<b>COMMUNITY(IES):</b>	Northumberland County and all Municipalities
<b>ACTION NO. 58</b>	ACTION: Disseminate informational pamphlets or mailings and/or create websites and social media for to residents of mobile home/trailer (Manufactured Home) parks on how and why to anchor mobile homes/trailers to protect against severe windstorms and flood events.
<b>Mitigation Technique Category:</b>	Public Education and Awareness
<b>Hazard(s) Addressed:</b>	Flood, Flash Flood, Ice Jam, Earthquake, Hurrigan, Tropical Storm, Nor'easter, Tornado, Windstorm, Dam Failure, Levee Failure,
<b>Potential Funding Sources:</b>	FEMA, PEMA, PA DCED, Hazard Mitigation Grants, Northumberland County staff, Municipal Floodplain Managers, Municipal Building Code Officials
<b>Lead Agency/Department:</b>	Northumberland County Department of Public Safety
<b>Implementation Schedule:</b>	Completion within one year.

<b>COMMUNITY(IES):</b>	Northumberland County and all Municipalities
<b>ACTION NO. 59</b>	ACTION: Conduct routine inspections, regular maintenance, and annual tests on all emergency communications equipment, public address systems, and alert sirens to ensure unhindered operation during an emergency event.
<b>Mitigation Technique Category:</b>	Public Education and Awareness, Emergency Services
<b>Hazard(s) Addressed:</b>	Flood, Flash Flood, Ice Jam, Winter Storm, Drought, Earthquake, Extreme Temperatures, Hailstorm, Hurrigan, Tropical Storm, Nor'easter, Invasive Species, Landslide, Lightning Strike, Pandemic, Radon Exposure, Tornado, Windstorm, Wildfire, Building or Structure Collapse, Civil Disturbance, Dam Failure, Drowning, Levee Failure, Nuclear Incidents, Terrorism, Urban Fire or Explosion, War and Criminal Activity, Opioids, Environmental Hazards, Utility Interruptions, Transportation Accidents, Subsidence/Sinkholes.
<b>Potential Funding Sources:</b>	FEMA, PEMA, Municipal Emergency Management staff, Northumberland County Department of Public Safety and Municipal staff
<b>Lead Agency/Department:</b>	Northumberland County Department of Public Safety
<b>Implementation Schedule:</b>	Completion within one year, then continuous.

<b>COMMUNITY(IES):</b>	Northumberland County and all Municipalities
<b>ACTION NO. 60</b>	ACTION: Maintain response actions to hazards that are consistent with County-level EOP.
<b>Mitigation Technique Category:</b>	Public Education and Awareness, Emergency Services
<b>Hazard(s) Addressed:</b>	Flood, Flash Flood, Ice Jam, Winter Storm, Drought, Earthquake, Extreme Temperatures, Hailstorm, Hurrigan, Tropical Storm, Nor'easter, Invasive Species, Landslide, Lightning Strike, Pandemic, Radon Exposure, Tornado, Windstorm, Wildfire, Building or Structure Collapse, Civil Disturbance, Dam Failure, Drowning, Levee Failure, Nuclear Incidents, Terrorism, Urban Fire or Explosion, War and Criminal Activity, Opioids, Environmental Hazards, Utility Interruptions, Transportation Accidents, Subsidence/Sinkholes.
<b>Potential Funding Sources:</b>	FEMA, PEMA, Municipal Emergency Management staff, Northumberland County Department of Public Safety
<b>Lead Agency/Department:</b>	Northumberland County Department of Public Safety
<b>Implementation Schedule:</b>	Completion within one year, then continuous.



<b>COMMUNITY(IES):</b>	Northumberland County and all Municipalities
<b>ACTION NO. 61</b>	ACTION: Ensure that a planned, coordinated, technologically advanced, and effective public warning dissemination program exists at the local level.
<b>Mitigation Technique Category:</b>	Public Education and Awareness, Prevention, Emergency Services
<b>Hazard(s) Addressed:</b>	Flood, Flash Flood, Ice Jam, Winter Storm, Drought, Earthquake, Extreme Temperatures, Hailstorm, Hurrigan, Tropical Storm, Nor'easter, Invasive Species, Landslide, Lightning Strike, Pandemic, Radon Exposure, Tornado, Windstorm, Wildfire, Building or Structure Collapse, Civil Disturbance, Dam Failure, Drowning, Levee Failure, Nuclear Incidents, Terrorism, Urban Fire or Explosion, War and Criminal Activity, Opioids, Environmental Hazards, Utility Interruptions, Transportation Accidents, Subsidence/Sinkholes.
<b>Potential Funding Sources:</b>	FEMA, PEMA, Municipal Emergency Management staff, Northumberland County Department of Public Safety
<b>Lead Agency/Department:</b>	Northumberland County Department of Public Safety
<b>Implementation Schedule:</b>	Completion within one year, then continuous.

<b>COMMUNITY(IES):</b>	Coal Township, Delaware Township, East Cameron Township, East Chillisquaque Township, Herndon Borough, Jackson Township, Jordan Township, Kulpmont Borough, Lewis Township, Little Mahanoy Township, Lower Augusta Township, Lower Mahanoy Township, McEwensville Borough, Milton Borough, Mount Carmel Borough, Mount Carmel Township, Northumberland Borough, Point Township, Ralpho Township, Riverside Borough, Rockefeller Township, Rush Township, Shamokin City, Shamokin Township, Snyderstown Borough, Sunbury City, Turbot Township, Upper Augusta Township, Upper Mahanoy Township, Washington Township, Watsontown Borough, West Cameron Township, West Chillisquaque Township, Zerbe Township
<b>ACTION NO. 62</b>	ACTION: Develop a technical proficiency at the municipal level for conducting post-disaster damage assessments and regulating reconstruction activities to ensure compliance with NFIP substantial damage/substantial improvement requirements and the PAUCC.
<b>Mitigation Technique Category:</b>	Public Education and Awareness, Prevention, Property Protection
<b>Hazard(s) Addressed:</b>	Flood, Flash Flood, Ice Jam, Hurrigan, Tropical Storm, Dam Failure, Levee Failure
<b>Potential Funding Sources:</b>	FEMA, PEMA, PA DCED, Northumberland County GIS staff, Municipal Floodplain Managers, Municipal Zoning Officers, Municipal Building Code Officials
<b>Lead Agency/Department:</b>	Municipal Floodplain Managers with County support
<b>Implementation Schedule:</b>	Continuous.

<b>COMMUNITY(IES):</b>	Northumberland County and all Municipalities
<b>ACTION NO. 63</b>	ACTION: Develop a technical proficiency at the municipal level for assisting local residents and business owners in hazard mitigation measures that are to be incorporated in reconstruction activities.
<b>Mitigation Technique Category:</b>	Public Education and Awareness, Property Protection
<b>Hazard(s) Addressed:</b>	Flood, Flash Flood, Ice Jam, Winter Storm, Drought, Earthquake, Extreme Temperatures, Hailstorm, Hurrigan, Tropical Storm, Nor'easter, Invasive Species, Landslide, Lightning Strike, Pandemic, Radon Exposure, Tornado, Windstorm, Wildfire, Building or Structure Collapse, Civil Disturbance, Dam Failure, Drowning, Levee Failure, Nuclear Incidents, Terrorism, Urban Fire or Explosion, War and Criminal Activity, Opioids, Environmental Hazards, Utility Interruptions, Transportation Accidents, Subsidence/Sinkholes.
<b>Potential Funding Sources:</b>	FEMA, PEMA, PA DCED, Northumberland County staff, Municipal Floodplain Managers and Municipal Zoning Officers and Municipal Building Code Officials
<b>Lead Agency/Department:</b>	Municipal Floodplain Managers with County support
<b>Implementation Schedule:</b>	Continuous.

<b>COMMUNITY(IES):</b>	Northumberland County and all Municipalities
<b>ACTION NO. 64</b>	<b>ACTION:</b> Improve communications between the public and emergency management services through online information.
<b>Mitigation Technique Category:</b>	Public Education and Awareness, Emergency Services
<b>Hazard(s) Addressed:</b>	Flood, Flash Flood, Ice Jam, Winter Storm, Drought, Earthquake, Extreme Temperatures, Hailstorm, Hurrigan, Tropical Storm, Nor'easter, Invasive Species, Landslide, Lightning Strike, Pandemic, Radon Exposure, Tornado, Windstorm, Wildfire, Building or Structure Collapse, Civil Disturbance, Dam Failure, Drowning, Levee Failure, Nuclear Incidents, Terrorism, Urban Fire or Explosion, War and Criminal Activity, Opioids, Environmental Hazards, Utility Interruptions, Transportation Accidents, Subsidence/Sinkholes.
<b>Potential Funding Sources:</b>	FEMA, PEMA, PA DCED, Northumberland County Department of Public Safety staff
<b>Lead Agency/Department:</b>	Northumberland County Department of Public Safety
<b>Implementation Schedule:</b>	Continuous

<b>COMMUNITY(IES):</b>	Northumberland County and all Municipalities
<b>ACTION NO. 65</b>	<b>ACTION:</b> Develop and implement a post-disaster recovery and mitigation training program for local officials.
<b>Mitigation Technique Category:</b>	Public Education and Awareness, Prevention, Emergency Services
<b>Hazard(s) Addressed:</b>	Flood, Flash Flood, Ice Jam, Winter Storm, Drought, Earthquake, Extreme Temperatures, Hailstorm, Hurrigan, Tropical Storm, Nor'easter, Invasive Species, Landslide, Lightning Strike, Pandemic, Radon Exposure, Tornado, Windstorm, Wildfire, Building or Structure Collapse, Civil Disturbance, Dam Failure, Drowning, Levee Failure, Nuclear Incidents, Terrorism, Urban Fire or Explosion, War and Criminal Activity, Opioids, Environmental Hazards, Utility Interruptions, Transportation Accidents, Subsidence/Sinkholes.
<b>Potential Funding Sources:</b>	FEMA, PEMA, PA DCED, Northumberland County, Northumberland County Department of Public Safety, Municipal Floodplain Managers, Municipal Zoning Officers, Municipal Building Code Officials
<b>Lead Agency/Department:</b>	Northumberland County Department of Public Safety
<b>Implementation Schedule:</b>	Completion within one year.

<b>COMMUNITY(IES):</b>	Coal Township, Delaware Township, East Cameron Township, East Chillisquaque Township, Herndon Borough, Jackson Township, Jordan Township, Kulpmont Borough, Lewis Township, Little Mahanoy Township, Lower Augusta Township, Lower Mahanoy Township, McEwensville Borough, Milton Borough, Mount Carmel Borough, Mount Carmel Township, Northumberland Borough, Point Township, Ralpho Township, Riverside Borough, Rockefeller Township, Rush Township, Shamokin City, Shamokin Township, Snyderstown Borough, Sunbury City, Turbot Township, Upper Augusta Township, Upper Mahanoy Township, Washington Township, Watsontown Borough, West Cameron Township, West Chillisquaque Township, Zerbe Township
<b>ACTION NO. 66</b>	<b>ACTION:</b> Maintain a partnering relationship with the NWS Mid-Atlantic River Forecast Center to enhance the existing Susquehanna River Basin Flood Forecast and Warning System via the Advanced Hydrologic Prediction Services Program.
<b>Mitigation Technique Category:</b>	Public Education and Awareness
<b>Hazard(s) Addressed:</b>	Flood, Flash Flood, Ice Jam, Winter Storm, Drought, Earthquake, Extreme Temperatures, Hailstorm, Hurrigan, Tropical Storm, Nor'easter, Invasive Species, Landslide, Lightning Strike, Pandemic, Radon Exposure, Tornado, Windstorm, Wildfire, Building or Structure Collapse, Civil Disturbance, Dam Failure, Drowning, Levee Failure, Nuclear Incidents, Terrorism, Urban Fire or Explosion, War and Criminal Activity, Opioids, Environmental Hazards, Utility Interruptions, Transportation Accidents, Subsidence/Sinkholes.
<b>Potential Funding Sources:</b>	FEMA, PEMA, PA DCED, USGS, Northumberland County and Municipal staff
<b>Lead Agency/Department:</b>	Northumberland County Department of Public Safety
<b>Implementation Schedule:</b>	Completion within two years.



<b>COMMUNITY(IES):</b>	Northumberland County and all Municipalities
<b>ACTION NO. 67</b>	ACTION: Develop new or revise existing County and local municipal Subdivision and Land Development Ordinances, Comprehensive Plans, Erosion and Soil Ordinances, and Stormwater Ordinances to regulate the location and construction of buildings and other infrastructure in the known hazard areas.
<b>Mitigation Technique Category:</b>	Public Education and Awareness, Prevention, Structural Project Implementation, Property Protection
<b>Hazard(s) Addressed:</b>	Flood, Flash Flood, Ice Jam, Winter Storm, Drought, Earthquake, Extreme Temperatures, Hailstorm, Hurrigan, Tropical Storm, Nor'easter, Invasive Species, Landslide, Lightning Strike, Pandemic, Radon Exposure, Tornado, Windstorm, Wildfire, Building or Structure Collapse, Civil Disturbance, Dam Failure, Drowning, Levee Failure, Nuclear Incidents, Terrorism, Urban Fire or Explosion, War and Criminal Activity, Opioids, Environmental Hazards, Utility Interruptions, Transportation Accidents, Subsidence/Sinkholes.
<b>Potential Funding Sources:</b>	FEMA, PEMA, PA DCED, Northumberland County Planning staff, Northumberland County Conservation District
<b>Lead Agency/Department:</b>	Northumberland County Planning
<b>Implementation Schedule:</b>	Completion within two years.

<b>COMMUNITY(IES):</b>	Northumberland County and all Floodplain Municipalities
<b>ACTION NO. 68</b>	ACTION: Encourage municipal compliance with NFIP and PA Act 166 floodplain development regulations and/or encourage more restrictive requirements, as appropriate by conducting training and inspection workshops.
<b>Mitigation Technique Category:</b>	Public Education and Awareness, Prevention, Property Protection
<b>Hazard(s) Addressed:</b>	Flood, Flash Flood, Ice Jam, Hurrigan, Tropical Storm, Dam Failure, Levee Failure
<b>Potential Funding Sources:</b>	FEMA, PEMA, PA DCED, Northumberland County Department of Public Safety staff, Municipal Floodplain Managers, Municipal Zoning Officers, Municipal Building Code Officials
<b>Lead Agency/Department:</b>	Northumberland County Department of Public Safety
<b>Implementation Schedule:</b>	Continuous.

<b>COMMUNITY(IES):</b>	Coal Township, Delaware Township, East Cameron Township, East Chillisquaque Township, Herndon Borough, Jackson Township, Jordan Township, Kulpmont Borough, Lewis Township, Little Mahanoy Township, Lower Augusta Township, Lower Mahanoy Township, McEwensville Borough, Milton Borough, Mount Carmel Borough, Mount Carmel Township, Northumberland Borough, Point Township, Ralpho Township, Riverside Borough, Rockefeller Township, Rush Township, Shamokin City, Shamokin Township, Snyderstown Borough, Sunbury City, Turbot Township, Upper Augusta Township, Upper Mahanoy Township, Washington Township, Watsontown Borough, West Cameron Township, West Chillisquaque Township, Zerbe Township
<b>ACTION NO. 69</b>	ACTION: Maintain a flood damage reduction/prevention public education program utilizing the Northumberland County Department of Public Safety website and social media including but not limited to the development of informative training for local officials on NWS "Storm Ready", FEMA, PEMS, and NFIP Programs.
<b>Mitigation Technique Category:</b>	Public Education and Awareness, Property Protection
<b>Hazard(s) Addressed:</b>	Flood, Flash Flood, Ice Jam, Winter Storm, Dust/Sand Storm, Hailstorm, Hurrigan, Tropical Storm, Nor'easter, Lightning Strike, Tornado, Windstorm, Tsunami, Dam Failure, Levee Failure
<b>Potential Funding Sources:</b>	FEMA, PEMA, PA DCED, Northumberland County Department of Public Safety staff, Municipal Floodplain Managers, Municipal Zoning Officers, Municipal Building Code Officials
<b>Lead Agency/Department:</b>	Northumberland County Department of Public Safety
<b>Implementation Schedule:</b>	Continuous.

<b>COMMUNITY(IES):</b>	Northumberland County and all Municipalities
<b>ACTION NO. 70</b>	ACTION: Continue participation in the National Weather Service "Storm Ready" Program.
<b>Mitigation Technique Category:</b>	Public Education and Awareness, Emergency Services
<b>Hazard(s) Addressed:</b>	Flood, Flash Flood, Ice Jam, Winter Storm, Dust/Sand Storm, Hailstorm, Hurrigan, Tropical Storm, Nor'easter, Lightning Strike, Tornado, Windstorm, Tsunami, Dam Failure, Levee Failure
<b>Potential Funding Sources:</b>	FEMA, PEMA, PA DCED, Northumberland County Department of Public Safety staff,
<b>Lead Agency/Department:</b>	Northumberland County Department of Public Safety & Planning
<b>Implementation Schedule:</b>	Continuous.

<b>COMMUNITY(IES):</b>	Coal Township, Delaware Township, East Cameron Township, East Chillisquaque Township, Herndon Borough, Jackson Township, Jordan Township, Kulpmont Borough, Lewis Township, Little Mahanoy Township, Lower Augusta Township, Lower Mahanoy Township, McEwensville Borough, Milton Borough, Mount Carmel Borough, Mount Carmel Township, Northumberland Borough, Point Township, Ralpho Township, Riverside Borough, Rockefeller Township, Rush Township, Shamokin City, Shamokin Township, Snyderstown Borough, Sunbury City, Turbot Township, Upper Augusta Township, Upper Mahanoy Township, Washington Township, Watsontown Borough, West Cameron Township, West Chillisquaque Township, Zerbe Township
<b>ACTION NO. 71</b>	ACTION: Coordinate with FEMA, PEMA, and PA DCED to ensure that affected County/municipal residents are aware of the Biggert-Waters legislation, the FEMA sponsored updated flood mapping for the Susquehanna River Basin, the availability and benefits of obtaining federally backed flood insurance. Encourage uninsured affected County/municipal residents to purchase flood insurance, and to inform residents outside of the SFHA that they are also eligible to purchase flood insurance through the NFIP.
<b>Mitigation Technique Category:</b>	Public Education and Awareness
<b>Hazard(s) Addressed:</b>	Flood, Flash Flood, Ice Jam, Hurrigan, Tropical Storm, Dam Failure, Levee Failure
<b>Potential Funding Sources:</b>	FEMA, PEMA, PA DCED, Northumberland County Department of Public Safety staff, Municipal Floodplain Managers, Municipal CRS staff, S EDA-COG
<b>Lead Agency/Department:</b>	Northumberland County Department of Public Safety
<b>Implementation Schedule:</b>	Completion within two years.

<b>COMMUNITY(IES):</b>	Coal Township, Delaware Township, East Cameron Township, East Chillisquaque Township, Herndon Borough, Jackson Township, Jordan Township, Kulpmont Borough, Lewis Township, Little Mahanoy Township, Lower Augusta Township, Lower Mahanoy Township, McEwensville Borough, Milton Borough, Mount Carmel Borough, Mount Carmel Township, Northumberland Borough, Point Township, Ralpho Township, Riverside Borough, Rockefeller Township, Rush Township, Shamokin City, Shamokin Township, Snyderstown Borough, Sunbury City, Turbot Township, Upper Augusta Township, Upper Mahanoy Township, Washington Township, Watsontown Borough, West Cameron Township, West Chillisquaque Township, Zerbe Township
<b>ACTION NO. 72</b>	ACTION: When funding becomes available, preform acquisitions, foundation stabilizations, demolitions, elevations, remodeling, retrofitting, relocations, dry and wet floodproofing on flood hazard prone homes and commercial structures in accordance with the currently adopted community floodplain ordinances, PA UCC building codes, and the minimum NFIP standards, as required.
<b>Mitigation Technique Category:</b>	Public Education and Awareness, Property Protection
<b>Hazard(s) Addressed:</b>	Flood, Flash Flood, Ice Jam, Hurrigan, Tropical Storm, Dam Failure, Levee Failure
<b>Potential Funding Sources:</b>	FEMA, PEMA, PA DCED, Hazard Mitigation Grants, SEDA-COG, Municipal matching funding, Municipal Floodplain Manager / Zoning / Building Code Staff, Northumberland County Department of Public Safety
<b>Lead Agency/Department:</b>	Local Municipalities with County support.
<b>Implementation Schedule:</b>	When funding becomes available.

<b>COMMUNITY(IES):</b>	Coal Township, Delaware Township, East Cameron Township, East Chillisquaque Township, Herndon Borough, Jackson Township, Jordan Township, Kulpmont Borough, Lewis Township, Little Mahanoy Township, Lower Augusta Township, Lower Mahanoy Township, McEwensville Borough, Milton Borough, Mount Carmel Borough, Mount Carmel Township, Northumberland Borough, Point Township, Ralpho Township, Riverside Borough, Rockefeller Township, Rush Township, Shamokin City, Shamokin Township, Snyderstown Borough, Sunbury City, Turbot Township, Upper Augusta Township, Upper Mahanoy Township, Washington Township, Watsonstown Borough, West Cameron Township, West Chillisquaque Township, Zerbe Township
<b>ACTION NO. 73</b>	<b>ACTION:</b> Coordinate with local municipality and or PennDOT on the potential feasibility of replacing, removing or enlarging those roads, bridges and culvert stream crossings that are identified as being unable to pass the 10 year frequency flood flow.
<b>Mitigation Technique Category:</b>	Public Education and Awareness, Structural Project Improvements
<b>Hazard(s) Addressed:</b>	Flood, Flash Flood, Ice Jam, Hurrigan, Tropical Storm, Dam Failure, Levee Failure
<b>Potential Funding Sources:</b>	FEMA, PEMA, PA DCED, Hazard Mitigation Grants, PennDot, Northumberland County Department of Public Safety and Engineering staff
<b>Lead Agency/Department:</b>	Northumberland County Department of Public Safety
<b>Implementation Schedule:</b>	Completion within five years.

<b>COMMUNITY(IES):</b>	Northumberland County and all Municipalities.
<b>ACTION NO. 74</b>	<b>ACTION:</b> Conduct drainage system and ditch maintenance & upgrades throughout the municipalities to prevent roadway flooding. Ensure existing drainage systems are adequate and functioning properly in order to reduce impacts related to flash flooding and storm water/runoff.
<b>Mitigation Technique Category:</b>	Public Education and Awareness, Structural Project Improvements
<b>Hazard(s) Addressed:</b>	Flood, Flash Flood, Ice Jam, Hurrigan, Tropical Storm, Dam Failure, Levee Failure
<b>Potential Funding Sources:</b>	FEMA, PEMA, PA DCED, Hazard Mitigation Grants, PennDot, Northumberland County Department of Public Safety and Engineering staff
<b>Lead Agency/Department:</b>	Northumberland County Department of Public Safety
<b>Implementation Schedule:</b>	Completion within five years.

<b>COMMUNITY(IES):</b>	Northumberland County and all Municipalities
<b>ACTION NO. 75</b>	<b>ACTION:</b> Conduct routine stream and river bank maintenance to keep them free of obstructions to flow and to prevent flooding problems.
<b>Mitigation Technique Category:</b>	Flood, Flash Flood, Ice Jam, Hurrigan, Tropical Storm, Dam Failure, Levee Failure, Environmental Hazards
<b>Hazard(s) Addressed:</b>	Flood, Flash Flood, Ice Jam, Hurrigan, Tropical Storm, Dam Failure, Levee Failure
<b>Potential Funding Sources:</b>	FEMA, PEMA, PA DCED, Hazard Mitigation Grants, U.S. Army Corp., PA DEP, PennDot, Northumberland County Engineering staff, Municipal Highway Directors/Roadmasters and staff
<b>Lead Agency/Department:</b>	Northumberland County Engineering
<b>Implementation Schedule:</b>	Continuous.

<b>COMMUNITY(IES):</b>	Coal Township, Delaware Township, East Cameron Township, East Chillisquaque Township, Herndon Borough, Jackson Township, Jordan Township, Kulpmont Borough, Lewis Township, Little Mahanoy Township, Lower Augusta Township, Lower Mahanoy Township, McEwensville Borough, Milton Borough, Mount Carmel Borough, Mount Carmel Township, Northumberland Borough, Point Township, Ralpho Township, Riverside Borough, Rockefeller Township, Rush Township, Shamokin City, Shamokin Township, Snyderstown Borough, Sunbury City, Turbot Township, Upper Augusta Township, Upper Mahanoy Township, Washington Township, Watsontown Borough, West Cameron Township, West Chillisquaque Township, Zerbe Township
<b>ACTION NO. 76</b>	ACTION: Maintain and improve the Sunbury Levee System, and any other levees, in order to provide more effective flood protection from the potential impacts from upstream community floodwalls and levees.
<b>Mitigation Technique Category:</b>	Public Education and Awareness, Structural Project Implementation, Natural Resource Protection
<b>Hazard(s) Addressed:</b>	Flood, Flash Flood, Ice Jam, Hurrigan, Tropical Storm, Dam Failure, Levee Failure
<b>Potential Funding Sources:</b>	FEMA, PEMA, PA DCED, Hazard Mitigation Grants, U.S. Army Corp., PA DEP, PA DCNR, PennDot, Northumberland County Department of Public Safety and Engineering staff, Municipal Engineering
<b>Lead Agency/Department:</b>	Local Municipalities with County support.
<b>Implementation Schedule:</b>	Continuous.

<b>COMMUNITY(IES):</b>	Northumberland County and all municipalities with gas line installations and structures.
<b>ACTION NO. 77</b>	ACTION: Review and monitor Emergency Operations Plans for gas line installations and structures.
<b>Mitigation Technique Category:</b>	Public Education and Awareness, Emergency Services, Prevention
<b>Hazard(s) Addressed:</b>	Flood, Flash Flood, Ice Jam, Winter Storm, Drought, Earthquake, Extreme Temperatures, Hailstorm, Hurrigan, Tropical Storm, Nor'easter, Invasive Species, Landslide, Lightning Strike, Pandemic, Radon Exposure, Tornado, Windstorm, Wildfire, Building or Structure Collapse, Civil Disturbance, Dam Failure, Drowning, Levee Failure, Nuclear Incidents, Terrorism, Urban Fire or Explosion, War and Criminal Activity, Opioids, Environmental Hazards, Utility Interruptions, Transportation Accidents, Subsidence/Sinkholes.
<b>Potential Funding Sources:</b>	The Gas Company, Northumberland County Department of Public Safety and Engineering staff, and Municipal staff.
<b>Lead Agency/Department:</b>	Local Municipalities with County support.
<b>Implementation Schedule:</b>	Continuous.

<b>COMMUNITY(IES):</b>	Northumberland County and all municipalities with gas line installations and structures.
<b>ACTION NO. 78</b>	ACTION: Review and monitor stormwater runoff from gas line installations and structures.
<b>Mitigation Technique Category:</b>	Public Education and Awareness, Property Protection, Prevention, Structural Project Implementation
<b>Hazard(s) Addressed:</b>	Flood, Flash Flood, Ice Jam, Winter Storm, Drought, Earthquake, Extreme Temperatures, Hailstorm, Hurrigan, Tropical Storm, Nor'easter, Invasive Species, Landslide, Lightning Strike, Pandemic, Radon Exposure, Tornado, Windstorm, Wildfire, Building or Structure Collapse, Civil Disturbance, Dam Failure, Drowning, Levee Failure, Nuclear Incidents, Terrorism, Urban Fire or Explosion, War and Criminal Activity, Opioids, Environmental Hazards, Utility Interruptions, Transportation Accidents, Subsidence/Sinkholes.
<b>Potential Funding Sources:</b>	The Gas Company, Northumberland County Engineering and Municipal Engineering staff, Northumberland County and Municipal Planning staff, Municipal Zoning staff, Municipal Highway/Roadmaster staff.
<b>Lead Agency/Department:</b>	Local Municipalities with County support.
<b>Implementation Schedule:</b>	Continuous.

<b>COMMUNITY(IES):</b>	Northumberland County
<b>ACTION NO. 79</b>	<b>ACTION:</b> To provide the Executive Summary in the spanish language.
<b>Mitigation Technique Category:</b>	Public Education and Awareness, Property Protection, Prevention, Structural Project Implementation
<b>Hazard(s) Addressed:</b>	Flood, Flash Flood, Ice Jam, Winter Storm, Drought, Earthquake, Extreme Temperatures, Hailstorm, Hurrigan, Tropical Storm, Nor'easter, Invasive Species, Landslide, Lightning Strike, Pandemic, Radon Exposure, Tornado, Windstorm, Wildfire, Building or Structure Collapse, Civil Disturbance, Dam Failure, Drowning, Levee Failure, Nuclear Incidents, Terrorism, Urban Fire or Explosion, War and Criminal Activity, Opioids, Environmental Hazards, Utility Interruptions, Transportation Accidents, Subsidence/Sinkholes.
<b>Potential Funding Sources:</b>	Northumberland County staff,
<b>Lead Agency/Department:</b>	Northumberland County Department of Public Safety
<b>Implementation Schedule:</b>	Completion within two years.