

Champaign County (Townships & Unincorporated Areas) Mitigation Strategies 2018

Goal 1 – Dam Failure: Champaign County will work to ensure all dams and reservoirs are well maintained and limit the risk to the community.				
1.1 The County will ensure that dams have emergency plans that identify inundation areas and facilitate for emergency actions in the case of a serious failure.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
Goal 2 – Drought/Extreme Heat: Champaign County will assess the reliability of water supplies during drought and extreme heat.				
2.1 The County will advocate and support the hardening of water supply infrastructure to include alternate sources of water and protection of treatment plants and distribution systems.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
2.2 The County will establish water conservation procedures for implementation in drought conditions.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
Goal 3 - Earthquake: Champaign County will assess damage potential from earthquakes and establish a safety plan for residents.				
3.1 The County will identify the structures and infrastructure that would likely be damaged or destroyed in an earthquake of moderate to severe magnitude.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
Goal 4 – Flood: Champaign County will work to reduce flooding and limit loss of life or injury and property damage caused by flooding.				
4.1 The County will require construction of water control structures (reservoirs, retention/detention ponds, dams, levees, dikes, floodwalls, etc.) to prevent flooding of properties.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
4.2 The County will acquire, demolish, and/or retrofit flood-prone structures.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
4.3 The County will clear debris, fallen trees, excess sediment, and other obstructions from waterways to improve flow.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
4.4 The County will work with watershed or conservancy districts and other jurisdictions that share an interest in waterways to facilitate cleaning, maintaining, and eliminating problems.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
4.5 The County will utilize natural habitat creation and/or use of vegetative buffers inside waterways to slow the rapid flow of floodwater and/or hold excess storm water.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
4.6 The County will maintain and enforce floodplain, zoning, and building regulations to manage development in flood-prone areas.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
4.7 The County will maintain participation in NFIP and engage in floodplain management activities to support flood prevention.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
4.8 The County will conduct a public awareness campaign for individual flood insurance awareness.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
4.9 The County will procure adequate temporary or changeable signs to mark flooded roadways quickly.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
4.10 The County will improve and repair roadways and berms damaged by rapid runoff and heavy precipitation.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
4.11 The County will work with railroads to identify a means to repair and improve railroad owned bridges, culverts, and abandoned tracks and keep them clear of debris and abandoned equipment.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
4.12 The County will identify and implement methods to collect debris in runoff water before it clogs ditches, streams, culverts, and other waterways.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP

4.13 The County will protect banks and land near waterways from deterioration due to rapid or excessive flow by planting stream bank vegetation, installing dormant woody stakes and posts, planting trees, shrubs and grasses along banks and berms, or using deflectors to prevent deterioration, or other similar methods to accomplish the same.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
4.14 The County will utilize biotechnical methods (placement of willow posts, hardwood tree plantings, fascines, brush layering, evergreen revetments, log revetments, tree kickers, lunker structures, or placed rocks as examples) to minimize the deterioration or destruction of stream banks due to excessive flow.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
4.15 The County will manage stream flow through channel, sedimentation, debris and obstruction, and stream ecology management practices.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
4.16 The County will utilize stream bank protection measures such as gabion revetments, riprap revetments, and crib walls, and other structural methods to protect the banks and berms.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
4.17 The County will require developers and/or construction crews in urban development zones to use tools such as chemical stabilization, compost blankets, geotextiles to control soil deterioration, mulching of new plantings, seeding and sodding of areas highly vulnerable to rapid surface runoff, installation of grass lined channels, slope diversion for surface runoff, and other methods to reduce the damages to land and property due to heavy and rapid surface runoff or drainage from rainfall or other precipitation or draining water.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
4.18 The County will encourage the use of eco-friendly green materials and practices in development, such as green parking policies, green roof materials, and alternate paving materials that promote absorption instead of runoff.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
4.19 The County will protect soil quality by advocating for crop rotation, crop residue management, contour buffer strips, contour farming and strip-cropping, use of cover crops, installation of field borders, rotation grazing, pasture planting, establishment of grassy waterways, grade stabilization structures, water and sediment control basins, critical area planting, diversion, terracing, manure storage and runoff control, nutrient management, pest management, well abandonment, riparian buffers, wetland restoration, windbreaks, woodlot management, tree planting, and creation of upland wildlife habitat on farmland inside, adjacent to, or near incorporated County property.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
4.20 The County will encourage management of surface runoff and chemical residue through techniques such as installation of grassy waterways, creation of infiltration basins and trenches, porous pavement installation, filtration techniques like use of catch basin inserts, sand and organic filters, rain gardens and vegetated filter strips.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
Goal 5 – Hazardous Materials Incident: Champaign County will work to lessen both the number of spills, leaks, and releases from hazardous materials sources, as well as lessen the damages from such incidents.				
5.1 The County will ensure signage on highways and roadways is clear and easy to follow to decrease the likelihood of vehicle accidents due to unsure routes of travel.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
5.2 The County will advocate for funding for and conduct of additional first responder training to prepare responders for highway hazardous materials incidents and pipeline and rail incidents.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
5.3 The County will collaborate with entities that bring new hazardous substances to communities through construction of additional highways, railroads, or pipelines for first responder training.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
Goal 6 – Invasive Species: Champaign County will lessen the cost of plant debris caused by invasive species that weaken and destroy trees that cause large amounts of debris requiring removal after storms.				
6.1 The County will maintain trees and vegetation on public/jurisdiction property and advocate for the same on private property.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP

6.2 The County will work to clear public and private areas of dead or diseased trees that will easily be damaged by wind events and cause destruction of other property.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
Goal 7 – Land Subsidence: Champaign County will reduce the risk of property damage due to land subsidence in at-risk areas.				
7.1 The County will support and conduct programs that reduce erosion and sedimentation along riverbanks, ditch banks, road berms, and areas that wash away after heavy or prolonged precipitation.				
Complete	Delete	On Schedule	Delayed	Do Not Include in 2024 HMP
7.2 The County will encourage the development of more specific and accurate mapping of karst areas in Champaign County that interfaces the geologic characteristics with the soil types, as well as identifying abandoned and functioning wells and mines of various types, to more accurately identify karst locations and predict where sink holes or other structural problems are likely to occur.				
Complete	Delete	On Schedule	Delayed	Do Not Include in 2024 HMP
7.3 The County will develop collaborative efforts with environmental and water quality advocates to more accurately determine risk to groundwater resources in the county, and work together to adequately and effectively prevent contamination of the groundwater.				
Complete	Delete	On Schedule	Delayed	Do Not Include in 2024 HMP
Goal 8 – Severe Thunderstorm, Tornado, and Windstorm: Champaign County will lessen the damages suffered from windstorms or severe thunderstorms, including heavy rain, wind, hail, and lightning.				
8.1 The County will advocate and support the construction of safe rooms for single- and multi-family homes and congregate facilities, including mobile home parks, apartment complexes, and mass gathering facilities.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
8.2 The County will repair or retrofit public properties with wind-resistant materials (i.e. metal roofing, siding, etc.) to decrease damage due to wind.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
8.3 The County will develop agreements for emergency shelters to be used for a variety of disaster-related purposes during severe storms and/or evacuations.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
8.4 The County will research and identify resources for affordable debris disposal after storms, possibly through creation of special funding to pay for landfill fees or finding facilities that will receive debris for reduced rates.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
8.5 The County will establish, maintain, improve, and/or promote public warning and notification systems (reverse 911, opt-in systems, outdoor warning sirens, etc.).				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
8.6 The County will provide community education about protective actions, evacuation procedures, and other disaster preparedness information.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
8.7 The County will advocate for residents to maintain adequate insurance coverage (homeowners, renters, flood, etc.).				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
8.8 The County will maintain building regulations and land-use planning practices that encourage responsible development in high-risk areas.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
8.9 The County will work to develop a local, affordable and functional county-wide public safety communication system with the capability for multi-discipline and multi-jurisdictional communication.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
8.10 The County will work to fill gaps in warning and notification systems by adding outdoor warning sirens, developing reverse 911 capabilities, and by enhancing public notification processes.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
8.11 The County will advocate and support the hardening of utilities (distribution lines, generating plants, and other system components).				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP

8.12 The County will identify alternate/back-up utility resources for use when primary source is compromised (generators, redundant suppliers, etc.).				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
Goal 9 – Water Quality; Champaign County will work to improve the safety of the water supply whether it is sourced from private wells or public or privately-owned water treatment systems.				
9.1 The County will advocate for improvements to water treatment plants, including enhanced testing and monitoring and improved treatment capabilities.				
Complete	Delete	On Schedule	Delayed	Do Not Include in 2024 HMP
9.2 The County will advocate for additional research into root causes of water quality issues, including but not limited to runoff monitoring and analysis, contamination tracing, and conservation practice implementation.				
Complete	Delete	On Schedule	Delayed	Do Not Include in 2024 HMP
9.3 The County will advocate for study of runoff from residential properties, including but not limited to lawn chemicals and other incidental threats.				
Complete	Delete	On Schedule	Delayed	Do Not Include in 2024 HMP
9.4 The County will work for early and pro-active collaboration between jurisdictions regarding spills or leaks into the water supply through seepage into wells, aquifers, reservoirs or waterways that will eventually affect local water quality.				
Complete	Delete	On Schedule	Delayed	Do Not Include in 2024 HMP
9.5 The County will advocate for and support the implementation of regulations and supportive programs that help farmers manage manure and waste from concentrated animal feeding facilities in the interest of protecting the groundwater and waterways from contamination.				
Complete	Delete	On Schedule	Delayed	Do Not Include in 2024 HMP
9.6 The County will support the implementation of measures to manage distressed watersheds in the county and advocate for support programs to help farmers implement these regulations and measures while maintaining the agricultural economic well-being.				
Complete	Delete	On Schedule	Delayed	Do Not Include in 2024 HMP
9.7 The County will support studies that identify the complete discovery of water resource contamination, including analysis of practices by industrial, personal use, manufacturing, and agricultural communities.				
Complete	Delete	On Schedule	Delayed	Do Not Include in 2024 HMP
Goal 10 – Winter Storms: Champaign County will lessen damages suffered from severe winter storms and blizzards.				
10.1 The County will work to plow and clear county-maintained roadways to facilitate emergency traffic, necessary travel, and business access.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
10.2 The County will develop collaborative efforts with environmental and water quality advocates to more accurately determine risk to groundwater resources in the county and work together to adequately and effectively prevent contamination of the groundwater through snow removal and salting of icy roads.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP

Table 3-4: Christiansburg Mitigation Strategies

Goal 1 – Drought/Extreme Heat: Christiansburg will assess the reliability of water supplies during drought and extreme heat.				
1.1 The Village will advocate and support the hardening of water supply infrastructure to include alternate sources of water and protection of treatment plants and distribution systems.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
Goal 2 - Earthquake: Christiansburg will assess damage potential from earthquakes and establish a safety plan for residents.				
2.1 The Village will identify the structures and infrastructure that would likely be damaged or destroyed in an earthquake of moderate to severe magnitude.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
Goal 3 – Flood: Christiansburg will work to reduce flooding and limit loss of life or injury and property damage caused by flooding.				
3.1 The Village will require construction of water control structures (reservoirs, retention/detention ponds, dams, levees, dikes, floodwalls, etc.) to prevent flooding of properties.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
3.2 The Village will acquire, demolish, and/or retrofit flood-prone structures.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
3.3 The Village will clear debris, fallen trees, excess sediment, and other obstructions from waterways to improve flow.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
3.4 The Village will utilize natural habitat creation and/or use of vegetative buffers inside waterways to slow the rapid flow of floodwater and/or hold excess storm water.				
Complete	Delete	On Schedule	Delayed	Do Not Include in 2024 Updated Plan
3.5 The Village will maintain and enforce floodplain, zoning, and building regulations to manage development in flood-prone areas.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
3.6 The Village will maintain participation in NFIP and engage in floodplain management activities to support flood prevention.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
3.7 The Village will improve and repair roadways and berms damaged by rapid runoff and heavy precipitation.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
Goal 4 – Hazardous Materials Incident: Christiansburg will work to lessen both the number of spills, leaks, and releases from hazardous materials sources, as well as lessen the damages from such incidents.				
4.1 The Village will ensure signage on highways and roadways is clear and easy to follow to decrease the likelihood of vehicle accidents due to unsure routes of travel.				
Complete	Delete	On Schedule	Delayed	Do Not Include in 2024 Updated Plan
4.2 The Village will advocate for funding for and conduct of additional first responder training to prepare responders for highway hazardous materials incidents and pipeline and rail incidents.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
Goal 5 – Invasive Species: Christiansburg will lessen the cost of plant debris caused by invasive species that weaken and destroy trees that cause large amounts of debris requiring removal after storms.				
5.1 The Village will maintain trees and vegetation on public/jurisdiction property and advocate for the same on private property.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
5.2 The Village will work to clear public and private areas of dead or diseased trees that will easily be damaged by wind events and cause destruction of other property.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
Goal 6 – Land Subsidence: Christiansburg will reduce the risk of property damage due to land subsidence in at-risk areas.				

6.1 The Village will encourage the development of more specific and accurate mapping of karst areas in Champaign County that interfaces the geologic characteristics with the soil types, as well as identifying abandoned and functioning wells and mines of various types, to more accurately identify karst locations and predict where sink holes or other structural problems are likely to occur.				
Complete	Delete	On Schedule	Delayed	Hazard Not Included in Updated Plan
Goal 7 – Severe Thunderstorm, Tornado, and Windstorm: Christiansburg will lessen the damages suffered from windstorms or severe thunderstorms, including heavy rain, wind, hail, and lightning.				
7.1 The Village will advocate and support the construction of safe rooms for single- and multi-family homes and congregate facilities, including mobile home parks, apartment complexes, and mass gathering facilities.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
7.2 The Village will develop agreements for emergency shelters to be used for a variety of disaster-related purposes during severe storms and/or evacuations.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
7.3 The Village will research and identify resources for affordable debris disposal after storms, possibly through creation of special funding to pay for landfill fees or finding facilities that will receive debris for reduced rates.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
7.4 The Village will establish, maintain, improve, and/or promote public warning and notification systems (reverse 911, opt-in systems, outdoor warning sirens, etc.).				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
7.5 The Village will provide community education about protective actions, evacuation procedures, and other disaster preparedness information.				
Complete	Delete	On Schedule	Delayed	Do Not Include in 2024 Updated Plan
7.6 The Village will maintain building regulations and land-use planning practices that encourage responsible development in high-risk areas.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
7.7 The Village will work to develop a local, affordable and functional county-wide public safety communication system with the capability for multi-discipline and multi-jurisdictional communication.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
7.8 The Village will work to fill gaps in warning and notification systems by adding outdoor warning sirens, developing reverse 911 capabilities, and by enhancing public notification processes.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
7.9 The Village will advocate and support the hardening of utilities (distribution lines, generating plants, and other system components).				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
7.10 The Village will identify alternate/back-up utility resources for use when primary source is compromised (generators, redundant suppliers, etc.).				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
Goal 8 – Water Quality: Christiansburg will work to improve the safety of the water supply whether it is sourced from private wells or public or privately-owned water treatment systems.				
8.1 The Village will advocate for additional research into root causes of water quality issues, including but not limited to runoff monitoring and analysis, contamination tracing, and conservation practice implementation.				
Complete	Delete	On Schedule	Delayed	Hazard Not Included in Updated Plan
Goal 9 – Winter Storms: Christiansburg will lessen damages suffered from severe winter storms and blizzards.				
9.1 The Village will work to plow and clear village-maintained roadways to facilitate emergency traffic, necessary travel, and business access.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP

Mechanicsburg Mitigation Strategies

Goal 1 – Drought/Extreme Heat: Mechanicsburg will assess the reliability of water supplies during drought and extreme heat.				
1.1 The Village will advocate and support the hardening of water supply infrastructure to include alternate sources of water and protection of treatment plants and distribution systems.				
Completed	Cancelled	On Schedule	Delayed	Include in 2024 HMP
Goal 2 - Earthquake: Mechanicsburg will assess damage potential from earthquakes and establish a safety plan for residents.				
2.1 The Village will identify the structures and infrastructure that would likely be damaged or destroyed in an earthquake of moderate to severe magnitude.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
Goal 3 – Flood: Mechanicsburg will work to reduce flooding and limit loss of life or injury and property damage caused by flooding.				
3.1 The Village will require construction of water control structures (reservoirs, retention/detention ponds, dams, levees, dikes, floodwalls, etc.) to prevent flooding of properties.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
3.2 The Village will elevate structures (buildings, roadways, bridges, culverts etc.) where necessary to reduce flooding.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
3.3 The Village will acquire, demolish, and/or retrofit flood-prone structures.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
3.4 The Village will consider channel diversion or modification (deepening or widening) to re-route water or increase capacity and reduce flooding.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
3.5 The Village will clear debris, fallen trees, excess sediment, and other obstructions from waterways to improve flow.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
3.6 The Village will work with watershed or conservancy districts and other jurisdictions that share an interest in waterways to facilitate cleaning, maintaining, and eliminating problems.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
3.7 The Village will utilize natural habitat creation and/or use of vegetative buffers inside waterways to slow the rapid flow of floodwater and/or hold excess storm water.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
3.8 The Village will maintain and enforce floodplain, zoning, and building regulations to manage development in flood-prone areas.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
3.9 The Village will maintain participation in NFIP and engage in floodplain management activities to support flood prevention.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
3.10 The Village will conduct a public awareness campaign for individual flood insurance awareness.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
3.11 The Village will maintain, repair, upgrade, and/or replace storm sewers and related systems and increase culvert sizes and bridge spans to improve drainage.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
3.12 The Village will improve and repair roadways and berms damaged by rapid runoff and heavy precipitation.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
3.13 The Village will identify and implement methods to collect debris in runoff water before it clogs ditches, streams, culverts, and other waterways.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP

3.14 The Village will require developers and/or construction crews in urban development zones to use tools such as chemical stabilization, compost blankets, geotextiles to control soil deterioration, mulching of new plantings, seeding and sodding of areas highly vulnerable to rapid surface runoff, installation of grass lined channels, slope diversion for surface runoff, and other methods to reduce the damages to land and property due to heavy and rapid surface runoff or drainage from rainfall or other precipitation or draining water.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
3.15 The Village will encourage the use of eco-friendly green materials and practices in development, such as green parking policies, green roof materials, and alternate paving materials that promote absorption instead of runoff.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
3.16 The Village will encourage management of surface runoff and chemical residue through techniques such as installation of grassy waterways, creation of infiltration basins and trenches, porous pavement installation, filtration techniques like use of catch basin inserts, sand and organic filters, rain gardens and vegetated filter strips.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
Goal 4 – Hazardous Materials Incident: Mechanicsburg will work to lessen both the number of spills, leaks, and releases from hazardous materials sources, as well as lessen the damages from such incidents.				
4.1 The Village will ensure signage on highways and roadways is clear and easy to follow to decrease the likelihood of vehicle accidents due to unsure routes of travel.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
4.2 The Village will advocate for funding for and conduct of additional first responder training to prepare responders for highway hazardous materials incidents and pipeline and rail incidents.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
4.3 The Village will collaborate with entities that bring new hazardous substances to communities through construction of additional highways, railroads, or pipelines for first responder training.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
Goal 5 – Invasive Species: Mechanicsburg will lessen the cost of plant debris caused by invasive species that weaken and destroy trees that cause large amounts of debris requiring removal after storms.				
5.1 The Village will maintain trees and vegetation on public/jurisdiction property and advocate for the same on private property.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
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Goal 6 – Land Subsidence: Mechanicsburg will reduce the risk of property damage due to land subsidence in at-risk areas.				
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Complete	Delete	On Schedule	Delayed	Hazard Not Included in Updated Plan
6.2 The Village will develop collaborative efforts with environmental and water quality advocates to more accurately determine risk to groundwater resources in the county, and work together to adequately and effectively prevent contamination of the groundwater.				
Complete	Delete	On Schedule	Delayed	Hazard Not Included in Updated Plan
Goal 7 – Severe Thunderstorm, Tornado, and Windstorm: Mechanicsburg will lessen the damages suffered from windstorms or severe thunderstorms, including heavy rain, wind, hail, and lightning.				
7.1 The County will advocate and support the construction of safe rooms for single- and multi-family homes and congregate facilities, including mobile home parks, apartment complexes, and mass gathering facilities.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
7.2 The County will develop agreements for emergency shelters to be used for a variety of disaster-related purposes during severe storms and/or evacuations.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP

7.3 The County will research and identify resources for affordable debris disposal after storms, possibly through creation of special funding to pay for landfill fees or finding facilities that will receive debris for reduced rates.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
7.4 The Village will establish, maintain, improve, and/or promote public warning and notification systems (reverse 911, opt-in systems, outdoor warning sirens, etc.).				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
7.5 The Village will provide community education about protective actions, evacuation procedures, and other disaster preparedness information.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
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Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
7.7 The Village will maintain building regulations and land-use planning practices that encourage responsible development in high-risk areas.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
7.8 The Village will work to develop a local, affordable and functional county-wide public safety communication system with the capability for multi-discipline and multi-jurisdictional communication.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
7.9 The Village will work to fill gaps in warning and notification systems by adding outdoor warning sirens, developing reverse 911 capabilities, and by enhancing public notification processes.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
7.10 The Village will advocate and support the hardening of utilities (distribution lines, generating plants, and other system components).				
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Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
Goal 8 – Water Quality: Mechanicsburg will work to improve the safety of the water supply whether it is sourced from private wells or public or privately-owned water treatment systems.				
8.1 The Village will advocate for improvements to water treatment plants, including enhanced testing and monitoring and improved treatment capabilities.				
Complete	Delete	On Schedule	Delayed	Hazard Not Included in Updated Plan
8.2 The Village will advocate for additional research into root causes of water quality issues, including but not limited to runoff monitoring and analysis, contamination tracing, and conservation practice implementation.				
Complete	Delete	On Schedule	Delayed	Hazard Not Included in Updated Plan
8.3 The Village will advocate for study of runoff from residential properties, including but not limited to lawn chemicals and other incidental threats.				
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Complete	Delete	On Schedule	Delayed	Hazard Not Included in Updated Plan
8.5 The Village will support studies that identify the complete discovery of water resource contamination, including analysis of practices by industrial, personal use, manufacturing, and agricultural communities.				
Complete	Delete	On Schedule	Delayed	Hazard Not Included in Updated Plan
Goal 9 – Winter Storms: Mechanicsburg will lessen damages suffered from severe winter storms and blizzards.				
9.1 The Village will work to plow and clear village-maintained roadways to facilitate emergency traffic, necessary travel, and business access.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP

Mutual Mitigation Strategies 2018

Goal 1 – Drought/Extreme Heat: Mutual will assess the reliability of water supplies during drought and extreme heat.				
1.1 The Village will advocate and support the hardening of water supply infrastructure to include alternate sources of water and protection of treatment plants and distribution systems.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
2.1 The Village will identify the structures and infrastructure that would likely be damaged or destroyed in an earthquake of moderate to severe magnitude.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
Goal 3 – Flood: Mutual will work to reduce flooding and limit loss of life or injury and property damage caused by flooding.				
3.1 The Village will require construction of water control structures (reservoirs, retention/detention ponds, dams, levees, dikes, floodwalls, etc.) to prevent flooding of properties.				
Complete	Delete	On Schedule	Delayed	Do Not Include in 2024 HMP
3.2 The Village will acquire, demolish, and/or retrofit flood-prone structures.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
3.3 The Village will clear debris, fallen trees, excess sediment, and other obstructions from waterways to improve flow.				
Complete	Delete	On Schedule	Delayed	Do Not Include in 2024 HMP
3.4 The Village will utilize natural habitat creation and/or use of vegetative buffers inside waterways to slow the rapid flow of floodwater and/or hold excess storm water.				
Complete	Delete	On Schedule	Delayed	Do Not Include in 2024 HMP
3.5 The Village will maintain and enforce floodplain, zoning, and building regulations to manage development in flood-prone areas.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
3.6 The Village will maintain participation in NFIP and engage in floodplain management activities to support flood prevention.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
3.7 The Village will improve and repair roadways and berms damaged by rapid runoff and heavy precipitation.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
Goal 4 – Hazardous Materials Incident: Mutual will work to lessen both the number of spills, leaks, and releases from hazardous materials sources, as well as lessen the damages from such incidents.				
4.1 The Village will advocate for funding for and conduct of additional first responder training to prepare responders for highway hazardous materials incidents and pipeline and rail incidents.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
Goal 5 – Invasive Species: Mutual will lessen the cost of plant debris caused by invasive species that weaken and destroy trees that cause large amounts of debris requiring removal after storms.				
5.1 The Village will work to clear public and private areas of dead or diseased trees that will easily be damaged by wind events and cause destruction of other property.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
Goal 6 – Land Subsidence: Mutual will reduce the risk of property damage due to land subsidence in at-risk areas.				
6.1 The Village will encourage the development of more specific and accurate mapping of karst areas in Champaign County that interfaces the geologic characteristics with the soil types, as well as identifying abandoned and functioning wells and mines of various types, to more accurately identify karst locations and predict where sink holes or other structural problems are likely to occur.				
Complete	Delete	On Schedule	Delayed	Hazard Not Included in 2024 HMP
Goal 7 – Severe Thunderstorm, Tornado, and Windstorm: Mutual will lessen the damages suffered from windstorms or severe thunderstorms, including heavy rain, wind, hail, and lightning.				
7.1 The Village will advocate and support the construction of safe rooms for single- and multi-family homes and congregate facilities, including mobile home parks, apartment complexes, and mass gathering facilities.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP

7.2 The Village will develop agreements for emergency shelters to be used for a variety of disaster-related purposes during severe storms and/or evacuations.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
7.3 The Village will research and identify resources for affordable debris disposal after storms, possibly through creation of special funding to pay for landfill fees or finding facilities that will receive debris for reduced rates.				
Complete	Delete	On Schedule	Delayed	Do Not Include in 2024 HMP
7.4 The Village will establish, maintain, improve, and/or promote public warning and notification systems (reverse 911, opt-in systems, outdoor warning sirens, etc.).				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
7.5 The Village will provide community education about protective actions, evacuation procedures, and other disaster preparedness information.				
Complete	Delete	On Schedule	Delayed	Do Not Include in 2024 HMP
7.6 The Village will advocate and support the hardening of utilities (distribution lines, generating plants, and other system components).				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
7.7 The Village will identify alternate/back-up utility resources for use when primary source is compromised (generators, redundant suppliers, etc.).				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
Goal 8 – Water Quality: Mutual will work to improve the safety of the water supply whether it is sourced from private wells or public or privately-owned water treatment systems.				
8.1 The Village will advocate for additional research into root causes of water quality issues, including but not limited to runoff monitoring and analysis, contamination tracing, and conservation practice implementation.				
Complete	Delete	On Schedule	Delayed	Hazard Not Included in 2024 HMP
Goal 9 – Winter Storms: Mutual will lessen damages suffered from severe winter storms and blizzards.				
9.1 The Village will work to plow and clear village-maintained roadways to facilitate emergency traffic, necessary travel, and business access.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP

North Lewisburg Mitigation Strategies 2018

Goal 1 – Drought/Extreme Heat: North Lewisburg will assess the reliability of water supplies during drought and extreme heat.				
1.1 The Village will advocate and support the hardening of water supply infrastructure to include alternate sources of water and protection of treatment plants and distribution systems.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
Goal 2 - Earthquake: North Lewisburg will assess damage potential from earthquakes and establish a safety plan for residents.				
2.1 The Village will identify the structures and infrastructure that would likely be damaged or destroyed in an earthquake of moderate to severe magnitude.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
Goal 3 – Flood: North Lewisburg will work to reduce flooding and limit loss of life or injury and property damage caused by flooding.				
3.1 The Village will add temporary or changeable signs to mark flooding roadways quickly.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
3.2 The Village will acquire, demolish, and/or retrofit flood-prone structures.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
3.3 The Village will clear debris, fallen trees, excess sediment, and other obstructions from waterways to improve flow.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
3.4 The Village will work with watershed or conservancy districts and other jurisdictions that share an interest in waterways to facilitate cleaning, maintaining, and eliminating problems.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
3.5 The Village will utilize natural habitat creation and/or use of vegetative buffers inside waterways to slow the rapid flow of floodwater and/or hold excess storm water.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
3.6 The Village will maintain and enforce floodplain, zoning, and building regulations to manage development in flood-prone areas.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
3.7 The Village will maintain participation in NFIP and engage in floodplain management activities to support flood prevention.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
3.8 The Village will maintain, repair, upgrade, and/or replace storm sewers and related systems and increase culvert sizes and bridge spans to reduce flooding and improve drainage.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
3.9 The Village will utilize channel diversion or modification including deepening and widening to re-route water or increase capacity and reduce flooding.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
3.10 The Village will identify and implement methods to collect debris in runoff water before it clogs ditches, streams, culverts, and other waterways.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
3.11 The Village will protect banks and land near waterways from deterioration due to rapid or excessive flow by planting stream bank vegetation, installing dormant woody stakes and posts, planting trees, shrubs and grasses along banks and berms, or using deflectors to prevent deterioration, or other similar methods to accomplish the same.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
3.12 The Village will utilize biotechnical methods (placement of willow posts, hardwood tree plantings, fascines, brush layering, evergreen revetments, log revetments, tree kickers, lunker structures, or placed rocks as examples) to minimize the deterioration or destruction of stream banks due to excessive flow.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
3.13 The Village will utilize stream bank protection measures such as gabion revetments, riprap revetments, and crib walls, and other structural methods to protect the banks and berms.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP

3.14 The Village will require developers and/or construction crews in urban development zones to use tools such as chemical stabilization, compost blankets, geotextiles to control soil deterioration, mulching of new plantings, seeding and sodding of areas highly vulnerable to rapid surface runoff, installation of grass lined channels, slope diversion for surface runoff, and other methods to reduce the damages to land and property due to heavy and rapid surface runoff or drainage from rainfall or other precipitation or draining water.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
Goal 4 – Hazardous Materials Incident: North Lewisburg will work to lessen both the number of spills, leaks, and releases from hazardous materials sources, as well as lessen the damages from such incidents.				
4.1 The Village will advocate for funding for and conduct of additional first responder training to prepare responders for highway hazardous materials incidents and pipeline and rail incidents.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
Goal 5 – Invasive Species: North Lewisburg will lessen the cost of plant debris caused by invasive species that weaken and destroy trees that cause large amounts of debris requiring removal after storms.				
5.1 The Village will maintain trees and vegetation on public/jurisdiction property and advocate for the same on private property.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
5.2 The Village will work to clear public and private areas of dead or diseased trees that will easily be damaged by wind events and cause destruction of other property.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
Goal 6 – Land Subsidence: North Lewisburg will reduce the risk of property damage due to land subsidence in at-risk areas.				
6.1 The Village will encourage the development of more specific and accurate mapping of karst areas in Champaign County that interfaces the geologic characteristics with the soil types, as well as identifying abandoned and functioning wells and mines of various types, to more accurately identify karst locations and predict where sink holes or other structural problems are likely to occur.				
Complete	Delete	On Schedule	Delayed	Hazard Not Included in Updated Plan
Goal 7 – Severe Thunderstorm, Tornado, and Windstorm: North Lewisburg will lessen the damages suffered from windstorms or severe thunderstorms, including heavy rain, wind, hail, and lightning.				
7.1 The Village will advocate and support the construction of safe rooms for single- and multi-family homes and congregate facilities, including mobile home parks, apartment complexes, and mass gathering facilities.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
7.2 The Village will develop agreements for emergency shelters to be used for a variety of disaster-related purposes during severe storms and/or evacuations.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
7.3 The Village will research and identify resources for affordable debris disposal after storms, possibly through creation of special funding to pay for landfill fees or finding facilities that will receive debris for reduced rates.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
7.4 The Village will establish, maintain, improve, and/or promote public warning and notification systems (reverse 911, opt-in systems, outdoor warning sirens, etc.)				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
7.5 The Village will provide community education about protective actions, evacuation procedures, and other disaster preparedness information.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
7.6 The Village will advocate and support the hardening of utilities (distribution lines, generating plants, and other system components).				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
7.7 The Village will repair or retrofit public properties with wind-resistant materials (i.e. metal roofing, siding, etc.) to decrease damage due to wind.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
7.8 The Village will identify alternate/back-up utility resources for use when primary source is compromised (generators, redundant suppliers, etc.)				

Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
7.9 The Village will advocate for residents to maintain adequate insurance coverage (homeowners, renters, etc.)				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
Goal 8 – Water Quality: North Lewisburg will work to improve the safety of the water supply whether it is sourced from private wells or public or privately-owned water treatment systems.				
8.1 The Village will advocate for additional research into root causes of water quality issues, including but not limited to runoff monitoring and analysis, contamination tracing, and conservation practice implementation.				
Complete	Delete	On Schedule	Delayed	Hazard Not Included in Updated Plan
8.2 The Village will advocate for county-wide water management strategies to develop a water-supply redundancy plan to help communities during an extended water emergency.				
Complete	Delete	On Schedule	Delayed	Hazard Not Included in Updated Plan
8.3 The Village will work for early and proactive collaboration between jurisdictions regarding spills or leaks into the water supply through seepage into wells, aquifers, reservoirs or waterways that will eventually affect local water quality.				
Complete	Delete	On Schedule	Delayed	Hazard Not Included in Updated Plan
Goal 9 – Winter Storms: North Lewisburg will lessen damages suffered from severe winter storms and blizzards.				
9.1 The Village will work to plow and clear village-maintained roadways to facilitate emergency traffic, necessary travel, and business access.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP

St. Paris Mitigation Strategies 2018

Goal 1 – Drought/Extreme Heat: St. Paris will assess the reliability of water supplies during drought and extreme heat.				
1.1 The Village will advocate and support the hardening of water supply infrastructure to include alternate sources of water and protection of treatment plants and distribution systems.				
Completed	Deleted	On Schedule	Delayed	Continue in 2024 HMP
1.2 The Village will establish water conservation procedures for implementation in drought conditions.				
Complete	Delete	On Schedule	Delayed	Continue in 2024 HMP
Goal 2 - Earthquake: St. Paris will assess damage potential from earthquakes and establish a safety plan for residents.				
2.1 The Village will identify the structures and infrastructure that would likely be damaged or destroyed in an earthquake of moderate to severe magnitude.				
Complete	Delete	On Schedule	Delayed	Continue in 2024 HMP
Goal 3 – Flood: St. Paris will work to reduce flooding and limit loss of life or injury and property damage caused by flooding.				
3.1 The Village will require construction of water control structures (reservoirs, retention/detention ponds, dams, levees, dikes, floodwalls, etc.) to prevent flooding of properties.				
Complete	Delete	On Schedule	Delayed	Continue in 2024 HMP
3.2 The Village will consider elevation of structures (buildings, roadways, bridges, culverts etc.) to reduce flooding.				
Complete	Delete	On Schedule	Delayed	Continue in 2024 HMP
3.3 The Village will acquire, demolish, and/or retrofit flood-prone structures.				
Complete	Delete	On Schedule	Delayed	Continue in 2024 HMP
3.4 The Village will consider channel diversion or modification (deepening or widening) to re-route water or increase capacity and reduce flooding.				
Complete	Delete	On Schedule	Delayed	Continue in 2024 HMP
3.5 The Village will clear debris, fallen trees, excess sediment, and other obstructions from waterways to improve flow.				
Complete	Delete	On Schedule	Delayed	Continue in 2024 HMP
3.6 The Village will work with watershed or conservancy districts and other jurisdictions that share an interest in waterways to facilitate cleaning, maintaining, and eliminating problems.				
Complete	Delete	On Schedule	Delayed	Continue in 2024 HMP
3.7 The Village will utilize natural habitat creation and/or use of vegetative buffers inside waterways to slow the rapid flow of floodwater and/or hold excess storm water.				
Complete	Delete	On Schedule	Delayed	Continue in 2024 HMP
3.8 The Village will maintain and enforce floodplain, zoning, and building regulations to manage development in flood-prone areas.				
Complete	Delete	On Schedule	Delayed	Continue in 2024 HMP
3.9 The Village will maintain participation in NFIP and engage in floodplain management activities to support flood prevention.				
Complete	Delete	On Schedule	Delayed	Continue in 2024 HMP
3.10 The Village will conduct a public awareness campaign for individual flood insurance awareness.				
Complete	Delete	On Schedule	Delayed	Continue in 2024 HMP
3.11 The Village will maintain, repair, upgrade, and/or replace storm sewers and related systems and increase culvert sizes and bridge spans to reduce flooding and improve drainage.				
Complete	Delete	On Schedule	Delayed	Continue in 2024 HMP
3.12 The Village will procure adequate temporary or changeable signs to mark flooded roadways quickly.				
Complete	Delete	On Schedule	Delayed	Continue in 2024 HMP
3.13 The Village will ensure that dams have emergency plans that identify inundation areas and facilitate for emergency actions in the case of a serious failure.				
Complete	Delete	On Schedule	Delayed	Continue in 2024 HMP
3.14 The Village will improve and repair roadways and berms damaged by rapid runoff and heavy precipitation.				
Complete	Delete	On Schedule	Delayed	Continue in 2024 HMP

3.15 The Village will work with railroads to identify a means to repair and improve railroad owned bridges, culverts, and abandoned tracks and keep them clear of debris and abandoned equipment.				
Complete	Delete	On Schedule	Delayed	Continue in 2024 HMP
3.16 The Village will identify and implement methods to collect debris in runoff water before it clogs ditches, streams, culverts, and other waterways.				
Complete	Delete	On Schedule	Delayed	Continue in 2024 HMP
3.17 The Village will protect banks and land near waterways from deterioration due to rapid or excessive flow by planting stream bank vegetation, installing dormant woody stakes and posts, planting trees, shrubs and grasses along banks and berms, or using deflectors to prevent deterioration, or other similar methods to accomplish the same.				
Complete	Delete	On Schedule	Delayed	Continue in 2024 HMP
3.18 The Village will utilize biotechnical methods (placement of willow posts, hardwood tree plantings, fascines, brush layering, evergreen revetments, log revetments, tree kickers, lunker structures, or placed rocks as examples) to minimize the deterioration or destruction of stream banks due to excessive flow.				
Complete	Delete	On Schedule	Delayed	Continue in 2024 HMP
3.19 The Village will manage stream flow through channel, sedimentation, debris and obstruction, and stream ecology management practices.				
Complete	Delete	On Schedule	Delayed	Continue in 2024 HMP
3.20 The Village will utilize stream bank protection measures such as gabion revetments, riprap revetments, and crib walls, and other structural methods to protect the banks and berms.				
Complete	Delete	On Schedule	Delayed	Continue in 2024 HMP
3.21 The Village will require developers and/or construction crews in urban development zones to use tools such as chemical stabilization, compost blankets, geotextiles to control soil deterioration, mulching of new plantings, seeding and sodding of areas highly vulnerable to rapid surface runoff, installation of grass lined channels, slope diversion for surface runoff, and other methods to reduce the damages to land and property due to heavy and rapid surface runoff or drainage from rainfall or other precipitation or draining water.				
Complete	Delete	On Schedule	Delayed	Continue in 2024 HMP
3.22 The Village will encourage the use of eco-friendly green materials and practices in development, such as green parking policies, green roof materials, and alternate paving materials that promote absorption instead of runoff.				
Complete	Delete	On Schedule	Delayed	Continue in 2024 HMP
3.23 The Village will protect soil quality by advocating for crop rotation, crop residue management, contour buffer strips, contour farming and strip-cropping, use of cover crops, installation of field borders, rotation grazing, pasture planting, establishment of grassy waterways, grade stabilization structures, water and sediment control basins, critical area planting, diversion, terracing, manure storage and runoff control, nutrient management, pest management, well abandonment, riparian buffers, wetland restoration, windbreaks, woodlot management, tree planting, and creation of upland wildlife habitat on farmland inside, adjacent to, or near incorporated Village property.				
Complete	Delete	On Schedule	Delayed	Continue in 2024 HMP
3.24 The Village will encourage management of surface runoff and chemical residue through techniques such as installation of grassy waterways, creation of infiltration basins and trenches, porous pavement installation, filtration techniques like use of catch basin inserts, sand and organic filters, rain gardens and vegetated filter strips.				
Complete	Delete	On Schedule	Delayed	Continue in 2024 HMP
Goal 4 – Hazardous Materials Incident: St. Paris will work to lessen both the number of spills, leaks, and releases from hazardous materials sources, as well as lessen the damages from such incidents.				
4.1 The Village will ensure signage on highways and roadways is clear and easy to follow to decrease the likelihood of vehicle accidents due to unsure routes of travel.				
Complete	Delete	On Schedule	Delayed	Continue in 2024 HMP
4.2 The Village will advocate for funding for and conduct of additional first responder training to prepare responders for highway hazardous materials incidents and pipeline and rail incidents.				
Complete	Delete	On Schedule	Delayed	Continue in 2024 HMP
4.3 The Village will collaborate with entities that bring new hazardous substances to communities through construction of additional highways, railroads, or pipelines for first responder training.				
Complete	Delete	On Schedule	Delayed	Continue in 2024 HMP

Goal 5 – Invasive Species: St. Paris will lessen the cost of plant debris caused by invasive species that weaken and destroy trees that cause large amounts of debris requiring removal after storms.				
5.1 The Village will maintain trees and vegetation on public/jurisdiction property and advocate for the same on private property.				
Complete	Delete	On Schedule	Delayed	Continue in 2024 HMP
5.2 The Village will work to clear public and private areas of dead or diseased trees that will easily be damaged by wind events and cause destruction of other property.				
Complete	Delete	On Schedule	Delayed	Continue in 2024 HMP
Goal 6 – Land Subsidence: St. Paris will reduce the risk of property damage due to land subsidence in at-risk areas.				
6.1 The Village will support and conduct programs that reduce erosion and sedimentation along shorelines, riverbanks, ditch banks, road berms, and areas that wash away				
Complete	Delete	On Schedule	Delayed	Hazard Not Included in Updated Plan
6.2 The Village will advocate for, support, and implement slope protection actions along waterways and other vulnerable areas where natural causes endanger property, structures, or other vulnerabilities exist.				
Complete	Delete	On Schedule	Delayed	Hazard Not Included in Updated Plan
6.3 The Village will encourage the development of more specific and accurate mapping of karst areas in Champaign County that interfaces the geologic characteristics with the soil types, as well as identifying abandoned and functioning wells and mines of various types, to more accurately identify karst locations and predict where sink holes or other structural problems are likely to occur.				
Complete	Delete	On Schedule	Delayed	Hazard Not Included in Updated Plan
6.4 The Village will develop collaborative efforts with environmental and water quality advocates to more accurately determine risk to groundwater resources in the village, and work together to adequately and effectively prevent contamination of the groundwater.				
Complete	Delete	On Schedule	Delayed	Hazard Not Included in Updated Plan
Goal 7 – Severe Thunderstorm, Tornado, and Windstorm: St. Paris will lessen the damages suffered from windstorms or severe thunderstorms, including heavy rain, wind, hail, and lightning.				
7.1 The Village will advocate and support the construction of safe rooms for single- and multi-family homes and congregate facilities, including mobile home parks, apartment complexes, and mass gathering facilities.				
Complete	Delete	On Schedule	Delayed	Continue in 2024 HMP
7.2 The Village will repair or retrofit public properties with wind-resistant materials (i.e. metal roofing, siding, etc.) to decrease damage due to wind.				
Complete	Delete	On Schedule	Delayed	Continue in 2024 HMP
7.3 The Village will develop agreements for emergency shelters to be used for a variety of disaster-related purposes during severe storms and/or evacuations.				
Complete	Delete	On Schedule	Delayed	Continue in 2024 HMP
7.4 The Village will research and identify resources for affordable debris disposal after storms, possibly through creation of special funding to pay for landfill fees or finding facilities that will receive debris for reduced rates.				
Complete	Delete	On Schedule	Delayed	Continue in 2024 HMP
7.5 The Village will establish, maintain, improve, and/or promote public warning and notification systems (reverse 911, opt-in systems, outdoor warning sirens, etc.).				
Complete	Delete	On Schedule	Delayed	Continue in 2024 HMP
7.6 The Village will provide community education about protective actions, evacuation procedures, and other disaster preparedness information.				
Complete	Delete	On Schedule	Delayed	Continue in 2024 HMP
7.7 The Village will advocate for residents to maintain adequate insurance coverage (homeowners, renters, flood, etc.).				
Complete	Delete	On Schedule	Delayed	Continue in 2024 HMP
7.8 The Village will maintain building regulations and land-use planning practices that encourage responsible development in high-risk areas.				
Complete	Delete	On Schedule	Delayed	Continue in 2024 HMP
7.9 The Village will work to develop a local, affordable and functional county-wide public safety communication system with the capability for multi-discipline and multi-jurisdictional communication.				

Complete	Delete	On Schedule	Delayed	Continue in 2024 HMP
7.10 The Village will work to fill gaps in warning and notification systems by adding outdoor warning sirens, developing reverse 911 capabilities, and by enhancing public notification processes.				
Complete	Delete	On Schedule	Delayed	Continue in 2024 HMP
7.11 The Village will advocate and support the hardening of utilities (distribution lines, generating plants, and other system components).				
Complete	Delete	On Schedule	Delayed	Continue in 2024 HMP
7.12 The Village will identify alternate/back-up utility resources for use when primary source is compromised (generators, redundant suppliers, etc.).				
Complete	Delete	On Schedule	Delayed	Continue in 2024 HMP
Goal 8 – Water Quality: St. Paris will work to improve the safety of the water supply whether it is sourced from private wells or public or privately-owned water treatment systems.				
8.1 The Village will advocate for improvements to water treatment plants, including enhanced testing and monitoring and improved treatment capabilities.				
Complete	Delete	On Schedule	Delayed	Hazard Not Included in Updated Plan
8.2 The Village will advocate for additional research into root causes of water quality issues, including but not limited to runoff monitoring and analysis, contamination tracing, and conservation practice implementation.				
Complete	Delete	On Schedule	Delayed	Hazard Not Included in Updated Plan
8.3 The Village will advocate for study of runoff from residential properties, including but not limited to lawn chemicals and other incidental threats.				
Complete	Delete	On Schedule	Delayed	Hazard Not Included in Updated Plan
8.4 The Village will work for early and pro-active collaboration between jurisdictions regarding spills or leaks into the water supply through seepage into wells, aquifers, reservoirs or waterways that will eventually affect local water quality.				
Complete	Delete	On Schedule	Delayed	Hazard Not Included in Updated Plan
8.5 The Village will advocate for and support the implementation of regulations and supportive programs that help farmers manage manure and waste from concentrated animal feeding facilities in the interest of protecting the groundwater and waterways from contamination.				
Complete	Delete	On Schedule	Delayed	Hazard Not Included in Updated Plan
8.6 The Village will support the implementation of measures to manage distressed watersheds in the county and advocate for support programs to help farmers implement these regulations and measures while maintaining the agricultural economic well-being.				
Complete	Delete	On Schedule	Delayed	Hazard Not Included in Updated Plan
8.7 The Village will support studies that identify the complete discovery of water resource contamination, including analysis of practices by industrial, personal use, manufacturing, and agricultural communities.				
Complete	Delete	On Schedule	Delayed	Hazard Not Included in Updated Plan
Goal 9 – Winter Storms: St. Paris will lessen damages suffered from severe winter storms and blizzards.				
9.1 The Village will work to plow and clear village-maintained roadways to facilitate emergency traffic, necessary travel, and business access.				
Complete	Delete	On Schedule	Delayed	Continue in 2024 HMP

Table 3-9: Urbana Mitigation Strategies

Goal 1 – Drought/Extreme Heat: Urbana will assess the reliability of water supplies during drought and extreme heat.				
1.1 The City will advocate and support the hardening of water supply infrastructure to include alternate sources of water and protection of treatment plants and distribution systems.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
Goal 2 - Earthquake: Urbana will assess damage potential from earthquakes and establish a safety plan for residents.				
2.1 The City will identify the structures and infrastructure in the city that would likely be damaged or destroyed in an earthquake of moderate to severe magnitude.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
Goal 3 – Flood: Urbana will work to reduce flooding and limit loss of life or injury and property damage caused by flooding.				
3.1 The City will require construction of water control structures (reservoirs, retention/detention ponds, dams, levees, dikes, floodwalls, etc.) to prevent flooding of properties.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
3.2 The City will elevate structures and infrastructure (buildings, roadways, bridges, culverts etc.).				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
3.3 The City will acquire, demolish, and/or retrofit flood-prone structures.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
3.4 The City will consider channel modification (deepening or widening) to re-route water or increase flow capacity and reduce flooding.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
3.5 The City will clear debris, fallen trees, excess sediment, and other obstructions from waterways to improve flow.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
3.6 The City will work with watershed or conservancy districts and other jurisdictions that share an interest in waterways to facilitate cleaning, maintaining, and eliminating problems.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
3.7 The City will utilize natural habitat creation and/or use of vegetative buffers inside waterways to slow the rapid flow of floodwater and/or hold excess storm water.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
3.8 The City will maintain and enforce floodplain, zoning, and building regulations to manage development in flood-prone areas.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
3.9 The City will maintain participation in NFIP and engage in floodplain management activities to support flood prevention.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
3.10 The City will maintain, repair, upgrade, and/or replace storm sewers and related systems and increase culvert sizes and bridge spans, as necessary, to reduce flood risk.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
3.11 The City will improve and repair roadways and berms damaged by rapid runoff and heavy precipitation.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
3.12 The City will work with railroads to identify a means to repair and improve railroad owned bridges, culverts, and abandoned tracks and keep them clear of debris and abandoned equipment.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
3.13 The City will identify and implement methods to collect debris in runoff water before it clogs ditches, streams, culverts, and other waterways.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
3.14 The City will protect banks and land near waterways from deterioration due to rapid or excessive flow by planting stream bank vegetation, installing dormant woody stakes and posts, planting trees, shrubs and grasses along banks and berms, or using deflectors to prevent deterioration, or other similar methods to accomplish the same.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP

3.15 The City will utilize biotechnical methods (placement of willow posts, hardwood tree plantings, fascines, brush layering, evergreen revetments, log revetments, tree kickers, lunker structures, or placed rocks as examples) to minimize the deterioration or destruction of stream banks due to excessive flow.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
3.16 The City will manage stream flow through channel, sedimentation, debris and obstruction, and stream ecology management practices.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
3.17 The City will utilize stream bank protection measures such as gabion revetments, riprap revetments, and crib walls, and other structural methods to protect the banks and berms.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
3.18 The City will require developers and/or construction crews in urban development zones to use tools such as chemical stabilization, compost blankets, geotextiles to control soil deterioration, mulching of new plantings, seeding and sodding of areas highly vulnerable to rapid surface runoff, installation of grass lined channels, slope diversion for surface runoff, and other methods to reduce the damages to land and property due to heavy and rapid surface runoff or drainage from rainfall or other precipitation or draining water.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
3.19 The City will protect soil quality by advocating for crop rotation, crop residue management, contour buffer strips, contour farming and strip-cropping, use of cover crops, installation of field borders, rotation grazing, pasture planting, establishment of grassy waterways, grade stabilization structures, water and sediment control basins, critical area planting, diversion, terracing, manure storage and runoff control, nutrient management, pest management, well abandonment, riparian buffers, wetland restoration, windbreaks, woodlot management, tree planting, and creation of upland wildlife habitat on farmland inside, adjacent to, or near incorporated city property.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
3.20 The City will encourage management of surface runoff and chemical residue through techniques such as installation of grassy waterways, creation of infiltration basins and trenches, porous pavement installation, filtration techniques like use of catch basin inserts, sand and organic filters, rain gardens and vegetated filter strips.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
Goal 4 – Hazardous Materials Incident: Urbana will work to lessen both the number of spills, leaks, and releases from hazardous materials sources, as well as lessen the damages from such incidents.				
4.1 The City will ensure signage on highways and roadways is clear and easy to follow to decrease the likelihood of vehicle accidents due to unsure routes of travel.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
4.2 The City will advocate for funding for and conduct of additional first responder training to prepare responders for highway hazardous materials incidents and pipeline and rail incidents.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
4.3 The City will collaborate with entities that bring new hazardous substances to communities through development of first responder training.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
Goal 5 – Invasive Species: Urbana will lessen the cost of plant debris caused by invasive species that weaken and destroy trees that cause large amounts of debris requiring removal after storms.				
5.1 The City will maintain trees and vegetation on public/jurisdiction property and advocate for the same on private property.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
5.2 The City will work to clear public and private areas of dead or diseased trees that will easily be damaged by wind events and cause destruction of other property.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
Goal 6 – Land Subsidence: Urbana will reduce the risk of property damage due to land subsidence in at-risk areas.				
6.1 The City will support and conduct programs that reduce erosion and sedimentation along riverbanks, ditch banks, road berms, and areas that wash away after heavy or prolonged precipitation.				
Complete	Delete	On Schedule	Delayed	Hazard Not Included in 2024 HMP

6.2 The City will advocate for, support, and implement slope protection actions along waterways and other vulnerable areas where natural causes endanger property, structures, or other vulnerabilities exist.				
Complete	Delete	On Schedule	Delayed	Hazard Not Included in 2024 HMP
6.3 The City will encourage the development of more specific and accurate mapping of karst areas in Champaign County that interfaces the geologic characteristics with the soil types, as well as identifying abandoned and functioning wells and mines of various types, to more accurately identify karst locations and predict where sink holes or other structural problems are likely to occur.				
Complete	Delete	On Schedule	Delayed	Hazard Not Included in 2024 HMP
Goal 7 – Severe Thunderstorm, Tornado, and Windstorm: Urbana will lessen the damages suffered from windstorms or severe thunderstorms, including heavy rain, wind, hail, and lightning.				
7.1 The City will advocate and support the construction of safe rooms for single- and multi-family homes and congregate facilities, including mobile home parks, apartment complexes, and mass gathering facilities.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
7.2 The City will repair or retrofit public properties with wind-resistant materials (i.e. metal roofing, siding, etc.) to decrease damage due to wind.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
7.3 The City will develop agreements for emergency shelters to be used for a variety of disaster-related purposes during severe storms and/or evacuations.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
7.4 The City will research and identify resources for affordable debris disposal after storms, possibly through creation of special funding to pay for landfill fees or finding facilities that will receive debris for reduced rates.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
7.5 The City will establish, maintain, improve, and/or promote public warning and notification systems (reverse 911, opt-in systems, outdoor warning sirens, etc.).				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
7.6 The City will maintain building regulations and land-use planning practices that encourage responsible development in high-risk areas.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
7.7 The City will work to develop a local, affordable and functional county-wide public safety communication system with the capability for multi-discipline and multi-jurisdictional communication.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
7.8 The City will work to fill gaps in warning and notification systems by adding outdoor warning sirens, developing reverse 911 capabilities, and by enhancing public notification processes.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
7.9 The City will advocate and support the hardening of utilities (distribution lines, generating plants, and other system components).				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
7.10 The City will identify alternate/back-up utility resources for use when primary source is compromised (generators, redundant suppliers, etc.).				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
Goal 8 – Water Quality: Urbana will work to improve the safety of the water supply whether it is sourced from private wells or public or privately-owned water treatment systems.				
8.1 The City will advocate for improvements to water treatment plants, including enhanced testing and monitoring and improved treatment capabilities.				
Complete	Delete	On Schedule	Delayed	Hazard Not Included in 2024 HMP
8.2 The City will advocate for additional research into root causes of water quality issues, including but not limited to runoff monitoring and analysis, contamination tracing, and conservation practice implementation.				
Complete	Delete	On Schedule	Delayed	Hazard Not Included in 2024 HMP
8.3 The City will advocate for study of runoff from residential properties, including but not limited to lawn chemicals and other incidental threats.				
Complete	Delete	On Schedule	Delayed	Hazard Not Included in 2024 HMP

8.4 The City will work for early and pro-active collaboration between jurisdictions regarding spills or leaks into the water supply through seepage into wells, aquifers, reservoirs or waterways that will eventually affect local water quality.				
Complete	Delete	On Schedule	Delayed	Hazard Not Included in 2024 HMP
Goal 9 – Winter Storms: Urbana will lessen damages suffered from severe winter storms and blizzards.				
9.1 The City will work to plow and clear city-maintained roadways to facilitate emergency traffic, necessary travel, and business access.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
9.2 The City will develop collaborative efforts with environmental and water quality advocates to more accurately determine risk to groundwater resources in the county and work together to adequately and effectively prevent contamination of the groundwater through snow removal and salting of icy roads.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP

Woodstock Mitigation Strategies 2018 Plan

Goal 1 – Drought/Extreme Heat: Woodstock will assess the reliability of water supplies during drought and extreme heat.				
1.1 The Village will advocate and support the hardening of water supply infrastructure to include alternate sources of water and protection of treatment plants and distribution systems.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
Goal 2 - Earthquake: Woodstock will assess damage potential from earthquakes and establish a safety plan for residents.				
2.1 The Village will identify the structures and infrastructure that would likely be damaged or destroyed in an earthquake of moderate to severe magnitude.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
Goal 3 – Flood: Woodstock will work to reduce flooding and limit loss of life or injury and property damage caused by flooding.				
3.1 The Village will require construction of water control structures (reservoirs, retention/detention ponds, dams, levees, dikes, floodwalls, etc.) to prevent flooding of properties.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
3.2 The Village will acquire, demolish, and/or retrofit flood-prone structures.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
3.3 The Village will maintain and enforce floodplain, zoning, and building regulations to manage development in flood-prone areas.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
3.4 The Village will maintain participation in NFIP and engage in floodplain management activities to support flood prevention.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
3.5 The Village will improve and repair roadways and berms damaged by rapid runoff and heavy precipitation.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
Goal 4 – Hazardous Materials Incident: Woodstock will work to lessen both the number of spills, leaks, and releases from hazardous materials sources, as well as lessen the damages from such incidents.				
4.1 The Village will advocate for funding for and conduct of additional first responder training to prepare responders for highway hazardous materials incidents and pipeline and rail incidents.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
Goal 5 – Invasive Species: Woodstock will lessen the cost of plant debris caused by invasive species that weaken and destroy trees that cause large amounts of debris requiring removal after storms.				
5.1 The Village will maintain trees and vegetation on public/jurisdiction property and advocate for the same on private property.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
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Complete	Delete	On Schedule	Delayed	Hazard Not Included in Updated Plan
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7.1 The Village will advocate and support the construction of safe rooms for single- and multi-family homes and congregate facilities, including mobile home parks, apartment complexes, and mass gathering facilities.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
7.2 The Village will develop agreements for emergency shelters to be used for a variety of disaster-related purposes during severe storms and/or evacuations.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP

7.3 The Village will research and identify resources for affordable debris disposal after storms, possibly through creation of funds to pay for landfill fees or finding facilities that will receive debris for reduced rates.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
7.4 The Village will establish, maintain, improve, and/or promote public warning and notification systems (reverse 911, opt-in systems, outdoor warning sirens, etc.).				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
7.5 The Village will provide community education about protective actions, evacuation procedures, and other disaster preparedness information.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
7.6 The Village will maintain building regulations and land-use planning practices that encourage responsible development in high-risk areas.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
7.7 The Village will work to develop a local, affordable and functional county-wide public safety communication system with the capability for multi-discipline and multi-jurisdictional communication.				
Complete	Delete	On Schedule	Delayed	Include in 2024 HMP
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