

Code	Mitigation Strategy	Status	Funding Source	Priority	Responsible Organization/ Agency	Strategy Proposed by
Flooding, Dam Failure						
F1	Regularly perform drainage system maintenance. Review/update evacuation protocols/map for flooding prone areas of campus.	Ongoing	Local; Private	High	Perry County EMA// ILDNR	Melissa Sprenger (EMA Coordinator)
F2	Protect dam catchments with good ground cover and maintain a grassed filter strip at the dam inlet. Flooding: Conversion of flood prone areas back to wetlands.	Ongoing	Local; Private	Medium	Perry County EMA// ILDNR	Melissa Sprenger (EMA Coordinator)
F3	Continue to improve public awareness on the NFIP, buyout programs, and flood mitigation; Culvert Replacement.	Ongoing	Local; State; Federal	Medium	Perry County EMA// ILDNR	Tamara Caffey-Bey and Arien Hermann (Regional Emergency Planning Coordinator) SPARC
F4	Implement alert systems to send notification of an identified potential or imminent threat. An Emergency Action Plan (EAP) can be developed/implemented to address how at-risk populations downstream will be notified in the event of a dam failure or potential failure. This may require working with adjacent counties who are also at risk. Develop/Mark Emergency Evacuation Routes.	Ongoing	State; Federal	Low	Perry County EMA// ILDNR	Tamara Caffey-Bey and Arien Hermann (Regional Emergency Planning Coordinator) SPARC
F5	Maintain necessary inspections/maintenance to the dam at the City reservoir. Also maintain the drainage system below the dam. Identify locations that could be affected from a dam failure and update evacuations plans. Include public awareness.	Ongoing	State; Federal	Medium	Perry County EMA// ILDNR	Jim Gielow (Pinckneyville Fire Chief)
F6	<p>Regularly perform drainage system maintenance</p> <p>Culvert replacement</p> <p>Update urban areas to withstand storm water (rain gardens, bios wales, urban tree planting, permeable pavement)</p> <p>Outreach/education for homeowners regarding flood insurance options, and home/landscape improvements that can reduce flooding impacts</p> <p>Update flood plain mapping when appropriate. Promote Disaster Resilience Through Workshops, Education Materials, and Planning Guides</p> <p>Continue liaison groups that meet regularly to discuss hazard mitigation</p> <p>Enhance emergency communication system infrastructure, warning system enhancements</p> <p>Develop a Vulnerable Population List</p> <p>Prepare essential facilities: equip with back-up generators, emergency survival and first aid supplies, etc.</p> <p>Create and update list of emergency equipment and parts for utility services, emergency vehicles, other</p> <p>Improve aging infrastructure</p> <p>Update/maintain list of temporary shelters.</p>	Proposed	State; Federal	Low	Perry County EMA// ILDNR	<p>Chuck Genesio (Director of Perry County EMA), Ruth Hale (City Clerk Du Quoin), Dave Prradotto (Du Quoin Wastewater Superintendent), Chris Lacy (DuQuoin Water Superintendent), David Searby (States Attorney), Ken Kelly (Pinckneyville Police Chief), John Stanhouse (St Johns Mayor), Bill Place (Village of Tamaroa Mayor), Doug Hill ( Street Superintendent DuQuoin)</p>

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Tornados, Severe T-Storms						
T1	<p>Conduct biennial staff training to familiarize staff with their respective rolls during an alert or event.</p> <p>Keep programmed weather radio on for alerts. Joint Commission and CMS standards. Include as part of EOP plan and re-evaluate biennially.</p>	Ongoing	Private	High	Perry County EMA	Melissa Sprenger (EMA Coordinator)
T2	<p>Keep programmed weather radio on for alerts. Designated staff to announce immediate area alerts. Prepare essential facilities: equipment with back-up generators, emergency survival and first aid supplies, etc. in case of power outage or need to shelter in place. Supplies and MOUs for emergencies.</p>	Ongoing	Local;Private	High	Perry County EMA	Melissa Sprenger (EMA Coordinator)
T3	<p>Construct additional community safe rooms. Provide jurisdiction-wide siren warning coverage.</p>	Proposed	Local;State; Federal	High	Perry County EMA	Tamara Caffey-Bey and Arien Hermann (Regional Emergency Planning Coordinator) SPARC
T4	<p>Install lightning detection system; Retrofit structures to withstand high winds.</p>	Proposed	Local;State; Federal	High	Perry County EMA	Tamara Caffey-Bey and Arien Hermann (Regional Emergency Planning Coordinator) SPARC
T5	<p>Some areas of the town lack in coverage from the current outdoor sirens. Grants could possibly be used to help cover the cost. Add additional outdoor warning sirens. Building does have a basement, but the main level would possibly need additional support. Reinforcement to the community center and add a generator to have a location to go to during a tornado threat.</p>	Proposed	Local;State; Federal	Medium	Perry County EMA	Jim Gielow (Pinckneyville Fire Chief)
T6	<p>Promote Disaster Resilience Through Workshops, Education Materials, and Planning Guides. Construct safe rooms in essential facilities and other community buildings</p> <p>Retrofit existing buildings to withstand high winds</p> <p>Alternate EOC facilities</p> <p>Install Generators in Primary EOC,</p> <p>Identify infrastructure needs (generators) for alternate EOC's</p> <p>Continue liaison groups that meet regularly to discuss hazard mitigation</p> <p>Enhance emergency communication system infrastructure, warning system enhancements</p> <p>Develop a Vulnerable Population List</p> <p>Prepare essential facilities: equip with back-up generators, emergency survival and first aid supplies, etc.</p> <p>Create and update list of emergency equipment and parts for utility services, emergency vehicles, other</p> <p>Improve aging infrastructure</p> <p>Update/maintain list of temporary shelters</p>	Proposed	Local	Medium	Perry County EMA// Public Service Departments	<p>Chuck Genesio (Director of Perry County EMA), Ruth Hale (City Clerk DuQuoin), Dave Perradotto (DuQuoin Wastewater Superintendent), Chris Lacy (DuQuoin Water Superintendent), David Searby (States Attorney), Ken Kelly (Pinckneyville Police Chief), John Stanhouse (StJohns Mayor), Bill Place (Village of Tamaroa Mayor), Doug Hill ( Street Superintendent DuQuoin)</p>

T7	<p>Construct safe rooms in essential facilities and other community buildings</p> <p>Retrofit existing buildings to withstand high winds</p> <p>Enhance surveillance and warning systems for impacted areas</p> <p>Increase spotter capabilities throughout the jurisdictions</p> <p>Increase communications incontestability</p> <p>Generators for all critical infrastructure facilities. Promote Disaster Resilience Through Workshops, Education Materials, and Planning Guides</p> <p>Continue liaison groups that meet regularly to discuss hazard mitigation</p> <p>Enhance emergency communication system infrastructure, warning system enhancements</p> <p>Develop a Vulnerable Population List</p> <p>Prepare essential facilities: equip with back-up generators, emergency survival and first aid supplies, etc.</p> <p>Create and update list of emergency equipment and parts for utility services, emergency vehicles, other</p> <p>Improve aging infrastructure</p> <p>Update/maintain list of temporary shelters</p>	Proposed	Local	High	Perry County EMA// Public Service Departments	<p>Chuck Genesio (Director of Perry County EMA), Dan Curry Village of Cutler, Ruth Hale (City Clerk DuQuoin), Dave Perradotto (DuQuoin Wastewater Superintendent), Chris Lacy (DuQuoin Water Superintendent), David Searby (States Attorney), Ken Kelly (Pinckneyville Police Chief), John Stanhouse (StJohns Mayor), Bill Place (Village of Tamaroa Mayor), Doug Hill ( Street Superintendent DuQuoin)</p>
T8	Re-design of facilities emergency plan post-construction to identify safe areas for tornado shelter.	Ongoing	Local; State	High	Pinckneyville Community Hospital//Perry County EMA	Blake Thornton and Eva Hopp (Director of Quality and Risk Management/ CNE of Pinckneyville Community Hospital)
T9	Cutler has a centralized siren to alert the village in the event of a tornado. The village has agreements with the local church to shelter those individuals who either need shelters or have inadequate structures to withstand the storms.	Ongoing	I,s		Village of Cutler, EMA, Fire, L/E, ARC, EMS, P/W	Dan Curry (Village of Cutler)
T10	<p>Construct safe rooms in essential facilities and other community buildings, retrofit existing buildings to withstand high winds, Alternate EOC facilities, Install Generators in Primary EOC,</p> <p>Identify infrastructure needs (generators) for alternate EOC's, the village needs to construct a safe room within the EOC.</p> <p>In the event of a power failure, we have two generators to power the EOC and the alternate EOC. Establish a program to have storm spotters available</p>	Proposed	I,s	Medium	Village of Cutler, EMA, Fire, L/E, ARC, EMS, P/W	Dan Curry (Village of Cutler)
T11	<p>Adopt building codes to reduce damage from the impact of tornados.</p> <p>Retrofit critical facilities to reduce impact of a tornado/derecho.</p>	Proposed	I,s,f	Medium	Elected officials and structural engineer.	Raymond D. Clark (Du Quoin EMA)
T12	Promote preparedness and steps that businesses and citizens can take to reduce damage to property from damaging wind events.	Proposed	I,s,f	Medium	Local, state, and federal emergency management	Raymond D. Clark (Du Quoin EMA)
T13	Improve warning and notification systems to warn members of the community of approaching severe thunderstorms.	Ongoing	I	Medium	Local EMA and Jurisdictions.	Raymond D. Clark (Du Quoin EMA)

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Earthquakes						
EQ1	Plan for staff earthquake response to be included in EOP. Biennial review and training on hospital earthquake plan. Annual drill/education during "Great ShakeOut" day/month. Joint Commission and CMS standards	Ongoing	Private	High	Perry County EMA	Melissa Sprenger (EMA Coordinator)
EQ2	Install automatic shut off valves. Retrofit/Harden Critical Facilities to Protect Against Damages from Earthquakes.	Proposed	Local; State: Federal	High	Perry County EMA	Tamara Caffey-Bey and Arien Hermann (Regional Emergency Planning Coordinator) SPARC
EQ3	Coordinate the plan with the County to utilize their assets. Develop an emergency action plan. Encourage any new construction and upgrades to consider building to standards pertaining to earthquakes. Provide information to the public to increase awareness.	Proposed	Local; State: Federal	High	Perry County EMA // City of Pinckneyville	Jim Gielow (Pinckneyville Fire Chief)
EQ4	Provide information to residents on structural and non-structural retrofitting Develop earthquake emergency action plans Construct new safe rooms Install automatic shutoff valves Construct backup water @ wastewater mains water pumping and filling capabilities from ground storage and elevated tanks Identify and update EOP's for water and sewer operations Generators for sewage lift stations Alternate EOC facilities Backup power source for EOC and alternates. Promote Disaster Resilience Through Workshops, Education Materials, and Planning Guides Continue liaison groups that meet regularly to discuss hazard mitigation Enhance emergency communication system infrastructure, warning system enhancements Develop a Vulnerable Population List Prepare essential facilities: equip with back-up generators, emergency survival and first aid supplies, etc. Create and update list of emergency equipment and parts for utility services, emergency vehicles, other Improve aging infrastructure Update/maintain list of temporary shelters.	Proposed	Local; State: Federal	Low	Perry County EMA//IEMA// Public Service Departments	Chuck Genesisio (Director of Perry County EMA), Dan Curry (Village of Cutler), Ruth Hale (City Clerk DuQuoin), Dave Perradotto (DuQuoin Wastewater Superintendent), Chris Lacy (DuQuoin Water Superintendent), David Searby (States Attorney), Ken Kelly (Pinckneyville Police Chief), John Stanhouse (StJohns Mayor), Bill Place (Village of Tamaroa Mayor), Doug Hill ( Street Superintendent DuQuoin)
EQ5	Addition of another main water source to create redundancy for PCH. Although not identified as an "earthquake mitigation", PCH is working to add redundancy to its water source (Washington County Water District).	Proposed	Local; State	High	Pinckneyville Community Hospital//Perry County EMA	Blake Thornton and Eva Hopp (Director of Quality and Risk Management/ CNE of Pinckneyville Community Hospital)
EQ6	The village is in the process of establishing information on earthquake safety to educate the public on how to make their home safe during an earthquake, and what to do after an earthquake. The village keeps an updated list of the shelters for emergencies.	Proposed	l,s,f,p	Low	Village of Cutler	Dan Curry (Village of Cutler)

EQ7	Educate home and business owners how to strap or attach down items in their facilities that could cause secondary damage. For example, gas water heaters	Proposed	I,s,f,p	Low	Du Quoin EMA	Raymond D. Clark (Du Quoin EMA)
EQ8	Update current critical infrastructure facilities	Proposed	I,s,f,p	Low	Local Emergency Management, Local structural engineers.	Raymond D. Clark (Du Quoin EMA)

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HazMat Release						
HM1	Develop and biennial review/update of HazMat emergency action plans. Conduct organizational or regional drills for staff training. Regional exercises usually conducted through Shawnee Preparedness and Response Coalition (SPARC). Joint Commission and CMS standards	Ongoing	Private	High	Perry County EMA//SPARC	Melissa Sprenger (EMA Coordinator)
HM2	Develop/update HAZMAT Emergency Response Plan; Train and recruit Hazmat Response Teams. Acquire protective equipment.	Ongoing	Local; State; Federal	High	Perry County EMA//SPARC	Tamara Caffey-Bey and Arien Hermann (Regional Emergency Planning Coordinator) SPARC
HM3	Identify local equipment/operators that could assist in a haz-mat situation. Coordinate with the County to have the plan that would coincide with theirs. Update emergency action plan. Work with all the fire departments in the County to develop a team that could respond quicker than other agencies from outside of the County so that initial actions could possibly minimize threats to the public. Develop a county wide haz-mat team.	Proposed	Local; State; Federal	Medium	Perry County EMA//SPARC	Jim Gielow (Pinckneyville Fire Chief)
HM4	Promote Disaster Resilience Through Workshops, Education Materials, and Planning Guides Continue liaison groups that meet regularly to discuss hazard mitigation Enhance emergency communication system infrastructure, warning system enhancements Develop a Vulnerable Population List Prepare essential facilities: equip with back-up generators, emergency survival and first aid supplies, etc. Create and update list of emergency equipment and parts for utility services, emergency vehicles, other Improve aging infrastructure Update/maintain list of temporary shelters. Acquire protective gear for first responders and locations with high probabilities of occurrence (colleges, factories/warehouses, energy plants) Develop and update HazMat emergency action plans Equip facilities with centralized positive-pressure HVAC systems Develop strategies for on scene surveillance Increase capabilities of intelligence and information sharing.	Proposed	Local; State; Federal	Low	Perry County EMA//FEMA//IEMA//IEPA	Chuck Genesio (Director of Perry County EMA), Dan Curry (village of Cutler), Ruth Hale (City Clerk DuQuoin), Dave Perradotto (DuQuoin Wastewater Superintendent), Chris Lacy (DuQuoin Water Superintendent), David Searby (States Attorney), Ken Kelly (Pinckneyville Police Chief), John Stanhouse (StJohns Mayor), Bill Place (Village of Tamaroa Mayor), Doug Hill ( Street Superintendent DuQuoin)
HM5	Enhance safety by placing Hazmat placards on structures that use and maintain hazardous materials. Ensure that all first responders have the proper protection when responding to a known Hazmat spill or release.	Proposed	I,s	Low	Village of Cutler, Cutler Fire Dept	Dan Curry (village of Cutler)
HM6	Create a hazardous material training and exercise program, that includes members of the business community that houses or transports hazardous materials.	Proposed	I,s	Medium	EMA, Fire, LEPC	Raymond D. Clark (Du Quoin EMA)

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Drought, Extreme Heat						
D1	Provide cooling centers for vulnerable population. City Hall opens up in extreme heat days for vulnerable population. Establish wildfire prevention management strategies.	Ongoing	Local	High	Perry County EMA	Melissa Sprenger (EMA Coordinator)
D2	Develop/enforce strict burn ordinances; Create additional heating/cooling shelters.	Ongoing	Local	Medium	Perry County EMA	Tamara Caffey-Bey and Arien Hermann (Regional Emergency Planning Coordinator) SPARC
D3	review and update cooling center locations throughout the county Develop planning strategy for water conservation with primary water supplier and communities served. Promote Disaster Resilience Through Workshops, Education Materials, and Planning Guides Continue liaison groups that meet regularly to discuss hazard mitigation Enhance emergency communication system infrastructure, warning system enhancements Develop a Vulnerable Population List Prepare essential facilities: equip with back-up generators, emergency survival and first aid supplies, etc. Create and update list of emergency equipment and parts for utility services, emergency vehicles, other Improve aging infrastructure Update/maintain list of temporary shelters.	Proposed	Local	Medium	Perry County EMA	Chuck Genesio (Director of Perry County EMA), Ruth Hale (City Clerk DuQuoin), Dave Perradotto (DuQuoin Wastewater Superintendent), Chris Lacy (DuQuoin Water Superintendent), David Searby (States Attorney), Ken Kelly (Pinckneyville Police Chief), John Stanhouse (StJohns Mayor), Bill Place (Village of Tamaroa Mayor), Doug Hill ( Street Superintendent DuQuoin) , Dan Curry (Cutler)
D4	Review and update cooling center locations throughout the county. Develop planning strategy for water conservation with primary water supplier and communities served. Make a list of all vulnerable individuals to check on them during extreme heat.	Proposed	I,s	Low	Village of Cutler	Dan Curry (village of Cutler)
D5	Maintain a list of locations that could be used for cooling centers times of extreme heat.	Proposed	I	Low	City of Du Quoin	Raymond D. Clark (Du Quoin EMA)
D6	Prepare ordinances that can be utilized to address water usage if long-term drought begins to effect local water supply.	Proposed	I	Low	Local elected officials, local water system operators.	Raymond D. Clark (Du Quoin EMA)

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Drought, Extreme Heat						
D1	Provide cooling centers for vulnerable population. City Hall opens up in extreme heat days for vulnerable population. Establish wildfire prevention management strategies.	Ongoing	Local	High	Perry County EMA	Melissa Sprenger (EMA Coordinator)
D2	Develop/enforce strict burn ordinances; Create additional heating/cooling shelters.	Ongoing	Local	Medium	Perry County EMA	Tamara Caffey-Bey and Arien Hermann (Regional Emergency Planning Coordinator) SPARC
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D4	Review and update cooling center locations throughout the county. Develop planning strategy for water conservation with primary water supplier and communities served. Make a list of all vulnerable individuals to check on them during extreme heat.	Proposed	I,s	Low	Village of Cutler	Dan Curry (village of Cutler)
D5	Maintain a list of locations that could be used for cooling centers times of extreme heat.	Proposed	I	Low	City of Du Quoin	Raymond D. Clark (Du Quoin EMA)
D6	Prepare ordinances that can be utilized to address water usage if long-term drought begins to effect local water supply.	Proposed	I	Low	Local elected officials, local water system operators.	Raymond D. Clark (Du Quoin EMA)



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Ground Failure						
GF1	Refer to map of underground mines in area and compare to campus. Illinois State Geological Survey, Prairie Research Institute: Coal Mines and Industrial Mineral Mines Perry County July 20, 2018. Maintain a list of buildings constructed over underground mines.	Proposed	Local; Private	High	Perry County EMA	Melissa Sprenger (EMA Coordinator)
GF2	Maintain a list of buildings constructed over underground mines; Map and access community vulnerability to ground failure hazards	Ongoing	Local	Medium	Perry County EMA	Tamara Caffey-Bey and Arien Hermann (Regional Emergency Planning Coordinator) SPARC
GF3	Identify areas and buildings of higher risk. Include public awareness on areas of higher risk. Require core drilling prior to new development and construction. Establish a database of the soil and possible underground mine shafts.	Proposed	Local; State; Federal	Low	Perry County EMA //IDNR	Jim Gielow (Pinckneyville Fire Chief)
GF4	Maintain a list of buildings constructed over underground mines Education programs/brochures regarding mine subsidence insurance for home and landowners Monitor infrastructure for possible effects of subsidence Strengthen infrastructure systems for impacts. Promote Disaster Resilience Through Workshops, Education Materials, and Planning Guides Continue liaison groups that meet regularly to discuss hazard mitigation Enhance emergency communication system infrastructure, warning system enhancements Develop a Vulnerable Population List Prepare essential facilities: equip with back-up generators, emergency survival and first aid supplies, etc. Create and update list of emergency equipment and parts for utility services, emergency vehicles, other Improve aging infrastructure Update/maintain list of temporary shelters.	Ongoing	Local; State; Federal	Low	Perry County EMA //IDNR//USGS	Chuck Genesio (Director of Perry County EMA)
GF5	Compile a record of the ages of the buildings and track any damages done by mining.	Ongoing	L,s,	Low	Village of Cutler	Dan Curry (village of Cutler)

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Winter Storms						
W1	Prepare essential facilities: equipment with back-up generators, emergency survival and first aid supplies, etc. in case of power outage or need to shelter in place. Plan is reviewed/revised with staff training biennially. Have a shelter-in-place plan in case staff, visitors, patients are unable to leave campus due to weather.	Ongoing	Private	High	Perry County EMA	Melissa Sprenger (EMA Coordinator)
W2	Purchase deicing chemicals; Develop alternative traffic routes; maintain roadways with a street plow and salt trucks.	Proposed	Local; State; Federal	High	Perry County EMA	Tamara Caffey-Bey and Arien Hermann (Regional Emergency Planning Coordinator) SPARC
W3	Establish the Community Center as a location for shelter if needed. Included supplies for extended care if needed. Create a list of operators/equipment that could assist with snow removal/clean up. Additional supplies stockpiled for needed use.	Proposed	Local; State; Federal	Medium	Perry County EMA	Jim Gielow (Pinckneyville Fire Chief)
W4	Purchase/maintain stockpiles of salt and other de-icing chemicals Build snow fencing in areas vulnerable to dangerous snow drifts Collaborate with neighboring counties to keep an updated list of available plow/salt trucks and parts Increase redundant infrastructure systems Install or maintain emergency power systems for critical infrastructure facilities. Promote Disaster Resilience Through Workshops, Education Materials, and Planning Guides Continue liaison groups that meet regularly to discuss hazard mitigation Enhance emergency communication system infrastructure, warning system enhancements Develop a Vulnerable Population List Prepare essential facilities: equip with back-up generators, emergency survival and first aid supplies, etc. Create and update list of emergency equipment and parts for utility services, emergency vehicles, other Improve aging infrastructure Update/maintain list of temporary shelters.	Ongoing	Local; State; Federal	Medium	Perry County EMA// FEMA//IEMA	Chuck Genesisio (Director of Perry County EMA), Dan Curry (Village of Cutler), Ruth Hale (City Clerk DuQuoin), Dave Perradotto (DuQuoin Wastewater Superintendent), Chris Lacy (DuQuoin Water Superintendent), David Searby (States Attorney), Ken Kelly (Pinckneyville Police Chief), John Stanhouse (StJohns Mayor), Bill Place (Village of Tamaroa Mayor), Doug Hill ( Street Superintendent DuQuoin)
W5	Have a list of vulnerable individuals to check on during severe winter weather	Proposed	l,p	Medium	Fire,L/E, Village of Cutler	Dan Curry (village of Cutler)
W6	Maintain adequate supplies and equipment for snow and ice removal during major winter storms and have public safety equipment capable or responding in winter weather. Promote preparedness steps that businesses and citizens can take to prepare for when a major winter storm is forecast.	Ongoing	l	Medium	Local EMA, Road commission, NWS, local media	Raymond Clark (Du Quoin EMA)

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Pandemic/Disease Outbreak						
P1	Enhance reporting protocols to state. Illinois Department of Public Health. Update pandemic plans specific to COVID-19 to share with staff.	Ongoing	Private	High	Perry County EMA/IDPH/EMS; RHCC	Melissa Sprenger (EMA Coordinator)
P2	Build a robust strategic stockpile of medical and non-medical supplies. Implement non-pharmaceutical intervention programs to slow the spread of disease outbreak.	Proposed	Local; State; Federal	High	Perry County EMA// IL DHS // IL CDC	Tamara Caffey-Bey and Arien Hermann (Regional Emergency Planning Coordinator) SPARC
P3	Locations could be outside of the City or other towns if available, Identify locations that could be used for additional medical treatment if the hospital reached capacity. Depending on the nature of the disease/outbreak would determine actions needed. Public awareness on how to self-isolate and obtain needed supplies if necessary.	Proposed	Local; State; Federal	Medium	Perry County EMA// IL DHS // IL CDC	Jim Gielow (Pinckneyville Fire Chief)
P4	Promote Disaster Resilience Through Workshops, Education Materials, and Planning Guides Continue liaison groups that meet regularly to discuss hazard mitigation Enhance emergency communication system infrastructure, warning system enhancements Develop a Vulnerable Population List Prepare essential facilities: equip with back-up generators, emergency survival and first aid supplies, etc. Create and update list of emergency equipment and parts for utility services, emergency vehicles, other Improve aging infrastructure Update/maintain list of temporary shelters. Enhance reporting and contract tracing protocols Capability of intelligence sharing with all stakeholders Perry County Multi-Hazard Mitigation Plan List of Potential Mitigation Strategies Develop/update plans for mass care situations Develop plan and mutual aid agreement for use of portable morgue Coordination of mass Vaccination sites Location strategies for PPE procurement and storage.	Ongoing	Local; State; Federal	Medium	Perry County EMA// IL DHS // IL CDC	Chuck Genesio (Director of Perry County EMA), Dan Curry (Village of Cutler), Ruth Hale (City Clerk DuQuoin), Dave Perradotto (DuQuoin Wastewater Superintendent), Chris Lacy (DuQuoin Water Superintendent), David Searby (States Attorney), Ken Kelly (Pinckneyville Police Chief), John Stanhouse (StJohns Mayor), Bill Place (Village of Tamaroa Mayor), Doug Hill (Street Superintendent DuQuoin)
P5	Conversion of all inpatient rooms to negative pressure rooms. PCH is currently undergoing a study with our engineering consultants to study the feasibility of re-designing the air pressures and returns (and related cost), and is currently seeking funding to support this project from the county Covid-19 related funding. New rural health clinic is currently being constructed. Negative pressure rooms (3) are being added to the new rural health clinic that is under construction.	Ongoing	Local	High	Pinckneyville Community Hospital//Perry County EMA	Blake Thornton and Eva Hopp (Director of Quality and Risk Management/ CNE of Pinckneyville Community Hospital)

P6	During an outbreak or epidemic/pandemic the village will follow the guidelines set by the IDPH and the CDC. The village has the ability to establish a mass care center in needed. The village is in the process of establishing a mitigation plan for the treatment and care of it citizens.	Ongoing	I,s,f,p	Medium	Village of Cutler	Dan Curry (Village of Cutler)
P7	Locate or secure a facility that can be used as a alternative housing location for individuals who may need to be isolated to prevent exposure from or exposing other to the disease. Procure and develop a plan to procure maintain a 30 day supply of personal protective equipment that may be required in the response to a disease outbreak.	Ongoing	I,s,f,p	Medium	EMA, Local Public Health Office, Local Hospitals and Medical Offices. IEMA/FEMA	Raymond D. Clark (Du Quoin EMA)

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Terrorism						
TR1	Identify possible threats, and local threats. Conduct a local vulnerability assessment.	Proposed	Local; Private	High	Perry County EMA// Local Law Enforcement	Melissa Sprenger (EMA Coordinator)
TR2	Promote disaster resilience through workshops, education materials, and training. Improve emergency response training, staff, resources and equipment.	Proposed	Local; Private; Federal	High	Perry County EMA// Local Law Enforcement	Tamara Caffey-Bey and Arien Hermann (Regional Emergency Planning Coordinator) SPARC
TR3	Monitor sources of intelligence regarding possible credible threats Harden infrastructure systems for security Exercise scenarios for possible occurrences Increase intelligence and information sharing capabilities. Promote Disaster Resilience Through Workshops, Education Materials, and Planning Guides Continue liaison groups that meet regularly to discuss hazard mitigation Enhance emergency communication system infrastructure, warning system enhancements Develop a Vulnerable Population List Prepare essential facilities: equip with back-up generators, emergency survival and first aid supplies, etc. Create and update list of emergency equipment and parts for utility services, emergency vehicles, other Improve aging infrastructure Update/maintain list of temporary shelters.	Proposed	Local; Private; Federal	Low	Perry County EMA// Local Law Enforcement	Chuck Genesio (Director of Perry County EMA), Dan Curry (Village of Cutler), Ruth Hale (City Clerk DuQuoin), Dave Perradotto (DuQuoin Wastewater Superintendent), Chris Lacy (DuQuoin Water Superintendent), David Searby (States Attorney), Ken Kelly (Pinckneyville Police Chief), John Stanhouse (StJohns Mayor), Bill Place (Village of Tamaroa Mayor), Doug Hill ( Street Superintendent DuQuoin)
TR4	Monitor sources of intelligence regarding possible credible threats. Harden infrastructure systems for security. Exercise scenarios for possible occurrences. Increase intelligence and information sharing capabilities	Proposed	l,s,f,p	Low	Village of Cutler, EMA,Fire,L/E,EMS,IEMA,Fema	Dan Curry (Village of Cutler)
TR5	Monitor sources of intelligence for ongoing and future threats; Training and exercising for terrorism incidents.	Proposed	l,s,f,p	Low	Local law enforcement, EMA in coordination with state and federal partners.	Raymond D. Clark (Du Quoin EMA)

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Power outage/ utility disruption						
PO1	Write a procedure for standby services until power returns. Sign MOUs with local businesses for fuel, generator, etc.	Ongoing	Private	High	Perry County EMA// Utility Department	Melissa Sprenger (EMA Coordinator)
PO2	Equip critical facilities with back-up generators; Develop vulnerable population list that may be affected by a disruption or an outage. Perry County can update the Empower site frequently and educate the public. This site provides de-identified data for persons with functional and access needs, which include individuals with electricity-dependent medical and assistive equipment.	Proposed	Local; State; Federal	High	Perry County EMA// Utility Department	Tamara Caffey-Bey and Arien Hermann (Regional Emergency Planning Coordinator) SPARC
PO3	Continue to pursue funding for systems needing backup power generating capabilities Increase intelligence and information sharing capabilities across jurisdictions Continue to improve public information and warning capabilities Generators for EOC and alternates Generators for all critical infrastructure facilities including water pumping and sewage lift stations. Promote Disaster Resilience Through Workshops, Education Materials, and Planning Guides Continue liaison groups that meet regularly to discuss hazard mitigation Enhance emergency communication system infrastructure, warning system enhancements Develop a Vulnerable Population List Prepare essential facilities: equip with back-up generators, emergency survival and first aid supplies, etc. Create and update list of emergency equipment and parts for utility services, emergency vehicles, other Improve aging infrastructure Update/maintain list of temporary shelters.	Ongoing	Local; State; Federal	High	Perry County EMA// Utility Department	Chuck Genesio (Director of Perry County EMA), Dan Curry (Village of Cutler), Ruth Hale (City Clerk DuQuoin), Dave Perradotto (DuQuoin Wastewater Superintendent), Chris Lacy (DuQuoin Water Superintendent), David Searby (States Attorney), Ken Kelly (Pinckneyville Police Chief), John Stanhouse (StJohns Mayor), Bill Place (Village of Tamaroa Mayor), Doug Hill ( Street Superintendent DuQuoin)
PO4	Ensure that the village can generate power to the primary EOC, Alternate EOC, and the Pump station for water and sewage.	Ongoing	I,s	High	Village of Cutler, EMA,Fire,I/E,IEMA,FEMA	Dan Curry (Village of Cutler)
PO5	Train the population what to do if the power is disrupted, and how to keep warm during the winter and cool in the summer, the importance of generator and the proper use.	Ongoing	I,s	High	Village of Cutler, EMA,Fire,I/E,IEMA,FEMA	Dan Curry (Village of Cutler)
PO6	Acquire secondary power sources to support critical infrastructure in the event of power outages to maintain continuity of operations and sheltering activities; Develop a list of locations that and prioritize their level of power restoration.	Ongoing	I,s,f	High	Municipalities, Power providers, County/City EMA	Raymond D. Clark (Du Quoin EMA)

Code	Mitigation Strategy	Status	Funding Source	Priority	Responsible Organization/ Agency	Strategy Proposed by
Other Potential Hazards						
OH1	During landslide events; Consider modifying slope geometry. Install structures such as piles and retaining walls.	Ongoing	Local	High	Perry County EMA // USGS// IDNR	Melissa Sprenger (EMA Coordinator)
OH2	During infestations; Learn to identify invasive species.	Ongoing	Local; State; Federal	High	Dept. of Agriculture // IL DHS// IL CDC	Melissa Sprenger (EMA Coordinator)
OH3	Conduct study regarding risk factors for local population. Educate public on risks and signs/ suicide awareness. Conduct a risk assessment for current population/culture. Build partnerships involving law enforcement, EMS, etc.	Ongoing	Local	High	Perry County EMA// EMS	Melissa Sprenger (EMA Coordinator)
OH4	In the case of a building being on fire; implement a plan for all areas of building/campus and train employees. Perform drills so staff know what to do and where to report.	Ongoing	Local; State; Federal	High	Local Fire Department// Perry County EMA//Local Police Department	Melissa Sprenger (EMA Coordinator)
OH5	NEO: Conduct asteroid deflection mission concept studies. Conduct impact effects studies.	Proposed	Federal	High	Perry County EMA	Melissa Sprenger (EMA Coordinator)
OH6	Wildfire: Check weather and drought conditions. Educate public regarding campfire safety.	Proposed	Local; Private	High	Perry County EMA //IDNR	Melissa Sprenger (EMA Coordinator)
OH7	Wildfire: Establish fire/landslide/erosion preventative management techniques.	Proposed	Local; Private	High	Perry County EMA //IDNR	Tamara Caffey-Bey and Arien Hermann (Regional Emergency Planning Coordinator) SPARC