

Municipalities	S	T	A	P	L	E	E
Mitigation Action Evaluation							
The City of Ash Grove							
Goal 1: To protect the lives of the residents of Ash Grove during emergency events of tornados, high winds, and thunderstorms							
<i>Action 1.1:</i> Establish reliable emergency warning system for citizens of Ash Grove. Provide emergency management personnel with equipment for better communication monitoring and debris removal during emergency events.							
Install new storm warning siren in northeast portion of Ash Grove to provide more coverage of the city and reduce potential of no warning should one siren fail.		X	X			X	
Install generators at siren sites to provide reliable warning system in power outage situations.		X	X			X	
Purchase items to include, but not limited to: additional 800 MHz radios, portable HAM radios, laptops, laptop projectors, televisions, additional storm tracker licenses, wind speed indicators, grappler arm for tractor and bobcat.		X	X			X	
Goal 2: To improve storm water management and decrease the potential for property damage in Ash Grove during flooding events.							
<i>Action 2.1:</i> Design and Construct and eco-friendly storm water system that reduces flooding potential for property owners near existing floodway. Also, establish best storm water practices for new developments and existing areas to reduce storm water runoff.							
Obtain a study of watershed area and projected development to determine needed improvements to floodway and other improvements needed to better manage flooding events.		X	X			X	X
Design and construct storm water system in planned phases.		X	X	X	X	X	X
Rewrite required standards for parking lot surfaces, landscaping, driveway surfaces, street design, curb and gutter and other standards		X	X	X	X		X
Goal 3: To protect the lives of Ash Grove residents living near the railroad line and highways in a hazardous material spill event.							
<i>Action 3.1:</i> Develop guidelines for the orderly management of such events, and educate residents about potential harm and appropriate response.							
Establish step by step procedures for both areas including evacuations plans.	X	X	X	X	X	X	
Develop written materials for residents.	X	X	X				
Distribute materials at educational meetings or by personal delivery to each resident.	X	X	X				
Goal 4: Increase safety of citizens of Ash Grove during severe weather and other emergencies							
<i>Action 4.1:</i> Build emergency safe rooms for citizens to take protective cover in during an emergency of any type							
Build emergency safe rooms large enough to house citizens	X	X	X	X	X	X	
Goal 5: Develop and implement mitigation measure that focus on building, modifying or retrofitting buildings and other structures to minimize the effects of natural hazards on them and their occupants.							
<i>Action 5.1:</i> Flood control programs							

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Mitigation Action Evaluation							
Enhance flood prevention by improving flood control programs		X	X	X	X	X	X ^{1Q}
The City of Battlefield							
Goal 1: To enhance protection provided for the citizens of Battlefield during severe weather and during non-weather related emergencies.							
<i>Action 1.1:</i> To work with Springfield-Greene County Office of Emergency Management on proper placement of warning sirens.							
Temporarily move one of our civil defense sirens from City Park to west end of Elm Street in Battlefield.	X	X	X	X	X	X	
Replace temporary siren with permanent siren to provide a larger coverage area to west side of city	X	X	X	X	X	X	
Goal 2: Increase the ability of city staff to maintain communication during city, county, or regional emergency situations.							
<i>Action 2.1:</i> Add 800 MHz radios with battery backup to Battlefield City Hall to use during emergencies to maintain contact with outside agencies.							
Purchase 800 MHz radios to be placed in Battlefield City Hall Staff Office		X	X			X	
Train staff in proper function of radio and proper radio procedures to be used.	X	X	X				
Goal 3: Increase safety of citizens of Battlefield during severe weather and other emergencies.							
<i>Action 3.1:</i> Build emergency safe rooms for citizens to take protective cover in during an emergency of any type. Include natural gas generator backup and equipped emergency operations room.							
Purchase city property sufficient in size for emergency safe rooms, including parking.	X	X	X	X	X	X	X
Apply for grants to build emergency safe rooms large enough to temporarily house citizens with space for animals.		X	X	X	X	X	
Install large capacity natural gas powered generator. Equip Emergency Operations room with computer, phone and radio backup.		X	X			X	
Goal 4: Develop and implement mitigation measure that focus on building, modifying or retrofitting buildings and other structures to minimize the effects of natural hazards on them and their occupants.							
<i>Action 4.1: Flood Control Programs</i>							
Enhance flood prevention by improving flood control programs		X	X	X	X	X	X
The City of Fair Grove							
Goal 1: To protect the citizens of Fair Grove during tornadoes and high wind events.							
<i>Action 1.1:</i> Develop a plan of action to assist the City in achieving the goal of updating and improving warning siren capabilities							
Update old storm sirens (3) with new battery back up systems.		X	X		X	X	
Equip new sirens (3) with radio technology to enable Greene County the ability to activate sirens.		X	X		X	X	

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<i>Action 1.2: Work with the Fair Grove School District to gain funding for and build safe room.</i>							
Locate Funding to assist with the project		X	X			X	
Construct a safe room.		X	X			X	
Goal 2: Develop and implement mitigation measure that focus on building, modifying or retrofitting buildings and other structures to minimize the effects of natural hazards on them and their occupants.							
<i>Action 2.1: Flood Control Programs</i>							
Enhance flood prevention by improving flood control programs		X	X	X	X	X	X
The City of Republic							
Goal 1: To protect and notify the residents and citizens during thunderstorms, tornadoes, and other hazard events.							
<i>Action 1.1: Develop a plan to replace two existing 30 year old outdoor warning devices, with all hazard devices, add units in under developed areas and maintain standard of warning coverage within the City as new areas develop. Also, develop alternative notification systems.</i>							
Install "voice over" all hazard warning devices in high population areas	X	X	X	X		X	
Develop fast, efficient notification systems for citizens with special needs.	X	X	X	X		X	
Continue to expand two-way communication and information transfer with community partners	X	X	X	X		X	
Goal 2: To provide the citizens with a severe weather shelter program to protect them during severe weather events.							
<i>Action 2.1: Develop a shelter program that would provide citizens with the opportunity to protect in place on their property and to include shelter opportunities with new and existing multifamily dwelling complexes.</i>							
To continue to educate people about the need to have a safe-room within their residence	X	X	X	X		X	
Develop a mechanism whereby the City could provide assistance for individuals to provide own safe refuge. Monitor developments and encourage the providing refuge areas that meet current standards.	X	X	X	X		X	
Goal 3: Minimize flooding within the City of Republic							
<i>Action 3.1: Continue to maintain the current flood mitigation plan used within the core area of the City of Republic and develop a program of flood mitigation for the former Village of Brookline using FEMA guidelines.</i>							
Monitor new developments to manage excess run-off generated by paving and roof accumulation		X	X			X	X
Continue current projects to alleviate flooding within the City and improve the Logan St. area south of Hines		X	X	X	X	X	X
Initiate a project to raise FR 115 north of FR 156 or Sawyer Road		X	X	X	X	X	X
Goal 4: Protect quality of life within the City of Republic by enforcing the maintenance and improvements of commercial structures in the downtown area.							

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<i>Action 4.1:</i> Improve the safety of the downtown area by improving the current condition of Main Street buildings and develop a working plan to improve the structural integrity of existing buildings in the downtown area.							
Continue to enforce applicable fire and building codes	X	X	X	X	X	X	X
Amend Municipal Code to provide a comprehensive approach to “dangerous” buildings	X	X	X	X	X	X	X
Develop a workable plan to provide improvement to existing buildings of the downtown as a planned development	X	X	X	X	X	X	X
Develop partnerships and funding streams to provide for the re-development of the downtown area	X	X	X	X	X	X	X
Goal 5: Increase safety of citizens of Republic during severe weather and other emergencies							
<i>Action 5.1:</i> Build an emergency safe room for citizens to take protective cover in during an emergency of any type							
Build an emergency safe room large enough to house citizens	X	X	X			X	
Goal 6: Develop and implement mitigation measure that focus on building, modifying or retrofitting buildings and other structures to minimize the effects of natural hazards on them and their occupants.							
<i>Action 6.1:</i> Flood control programs							
Enhance flood prevention by improving flood control programs		X	X	X	X	X	X
The City of Strafford							
Goal 1: To protect the lives of the citizens of the City of Strafford							
<i>Action 1.1:</i> Promote hazard mitigation awareness and education.							
Rewrite the Emergency Management Manual and develop evacuation procedures and educate the community.	X	X	X	X	X	X	
Hire a qualified Emergency Management Director and direct he/she to conduct community educational meetings.		X	X	X	X	X	
Establish and Emergency Communications Center/Command Post with necessary communication equipment.		X	X	X	X	X	
<i>Action 1.2:</i> Coordinate with the School District to provide shelter for residents of Strafford.							
Work with the school to fund a storm safe room.	X	X	X			X	
Goal 2: To protect property & environment							
<i>Action 2.1:</i> Identify hazard considerations and incorporate hazard considerations into land-use planning and natural resource management.							
Strengthen codes on new construction to lessen the impact of a natural disaster.	X	X	X	X	X		
Improve flood protection by developing drainage maintenance plans.		X	X				X
Bury electrical lines and develop a tree trimming schedule.		X	X			X	X
Goal 3: Develop and implement mitigation measure that focus on building, modifying or retrofitting buildings and other structures to minimize the effects of natural hazards on them and their occupants.							

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<i>Action 3.1: Flood control programs</i>							
Enhance flood prevention by improving flood control programs		X	X	X	X	X	X
City of Willard							
Goal 1: To protect the lives of citizens living, working and visiting the City of Willard during thunderstorms, tornadoes and high wind events.							
<i>Action 1.1: Construct a community safe room and develop guidelines and standard operating procedures for activation and operation of the community safe room.</i>							
Construction of community safe room with shower and cooking facilities.	X	X	X			X	
Alternate EOC, to be used if primary is damaged in disaster.		X	X	X	X	X	
Goal 2: Update and maintain outdated outdoor warning sirens. Add additional warning sirens for larger coverage area.							
<i>Action 2.1: Replace outdated warning sirens with new multi-directional sirens, and develop new standard operating procedures for maintaining and inspection of new sirens.</i>							
Replace outdated warning sirens with newer multi-directional sirens.		X	X			X	
Add additional sirens to reach a larger population.		X	X			X	
Maintenance and inspection program.		X	X				
Goal 3: Develop and implement mitigation measure that focus on building, modifying or retrofitting buildings and other structures to minimize the effects of natural hazards on them and their occupants.							
<i>Action 3.1: Flood control programs</i>							
Enhance flood prevention by improving flood control programs		X	X	X	X	X	X
Goal 4: Reduce the city of Willard's vulnerability to drought by 50% over the next year.							
<i>Action 4.1 Establish standards and policies to be implemented during local water shortage for local area residences and businesses.</i>							
Benchmark with other communities of comparable size to review adopted ordinances specific for laws and standards to be followed by residential, commercial, and public facilities in the event of a local water shortage.	X	X	X	X	X		X
Identify all residential and commercial structures within the city of Willard that receive water from a source other than the city water system.	X		X	X	X	X	X
<i>Action 4.2 Incorporate appropriate applications of Missouri Drought Response Plan to community planning.</i>							
Create a Willard Drought Response Plan	X	X	X	X	X	X	X
<i>Action 4.3 Raise public awareness of water conservative practices prior to and during droughts.</i>							
Promote an awareness campaign of the actions and measures that can be taken to increase local water conservation by all users of the local water supply.	X	X	X	X	X	X	X
Review past studies of the local water system and establish a plan to improve or replace the weaknesses of the local water system.	X	X	X		X	X	X

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Carry out plan for local water system improvements.	X	X		X	X	X	X
Goal 5: Reduce the potential damage caused by an earthquake likely to strike the local area by 50%.							
<i>Action 5.1 Reduce the vulnerability of earthquake damage to existing structures.</i>							
Conduct a community earthquake risk assessment program.	X	X	X	X	X	X	X
Create a financial plan to retrofit improvement measures identified for all critical facilities in the community.	X	X	X	X	X	X	X
Encourage and assist in the retrofit improvement measures specific for earthquake damage for listed essential facilities.	X	X		X	X	X	
<i>Action 5.2 Increase public education of specific earthquake mitigation activities that can be done to residential and commercial facilities.</i>							
Promote an awareness campaign on earthquake hazards, their consequences and the steps that can be taken to reduce risk at home and the workplace.	X	X	X	X	X	X	X
Develop and apply a combination of incentives to encourage businesses, homeowners and others to implement risk reduction measures.	X	X		X			
<i>Action 5.3 Increase local businesses ability to expedite business resumption following an earthquake.</i>							
Encourage and assist in the retrofit improvement measures specific for earthquake damage for listed essential facilities.	X	X		X	X		
Encourage, and support where able, operation and infrastructure backup systems for commercial and industrial businesses.	X	X		X	X	X	
Establish a public outreach program for local businesses.	X	X	X	X	X	X	
Encourage local business owners employee incentives for personal preparedness in the event of an earthquake.	X	X	X	X	X	X	X
<i>Action 5.4 improve local response effort to a destructive earthquake.</i>							
Provide Community Emergency Response Team (CERT) training to Willard citizens, business owners and school personnel.	X	X	X	X	X	X	
Provide disaster survival kits for all local schools, non-profit d	X	X	X	X		X	
Goal 6: Reduce the city of Willard's vulnerability to extreme heat by 50% over the next year.							
Support annual campaign advertisement for Extreme Heat Aw	X	X	X	X	X	X	X
<i>Action 6.2 Reduce the vulnerability of population with increased risk to medical complications secondary to extreme heat.</i>							
Search and identify all local citizens that have an increased risk factor for medical complications.	X		X	X			
Create a volunteer program, ideally through CERT, that can assist in monitoring the vulnerable population identified.	X	X	X	X	X	X	
Goal 7: Reduce the potential damage caused by flooding likely to strike the local area by 50%.							

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<i>Action 7.1 Reduce the vulnerability of flooding damage to existing private and public structures.</i>							
Conduct a city wide analysis of the sewer system, assessing for causes of sanitary sewer overflows caused during flooding events.	X			X		X	X
Create a financial and intervention plan for reducing risk for sanitary sewers overflowing during flooding events as recognized by sewer system analysis.	X	X	X	X	X	X	X
Promote environmentally-sound watershed and storm water practices to decrease flash flooding.	X	X				X	X
<i>Action 7.2 Increase floodplain management of future development.</i>							
Create a local taskforce for assessing and planning specific future land use for remaining underdeveloped flood zones within the city.		X	X			X	X
Strengthen floodplain management and regulations through additional education for floodplain manager and local city officials.		X			X	X	X
<i>Action 7.3 Increase public education for specific flooding mitigation activities that can be done.</i>							
Identify and use existing mechanisms to promote National Floodplain Insurance Program policies		X			X	X	X
Goal 8: Reduce the potential damage caused by sinkholes present within the city of Willard.							
<i>Action 8.1 Increase the knowledge of sinkholes present within the city of Willard.</i>							
Coordinate the completion of identifying additional sinkholes throughout the city of Willard and potential growth area.	X	X	X			X	X
<i>Action 8.2 Increase public education regarding sinkholes.</i>							
Promote an awareness campaign on sinkhole hazards, reporting sinkholes discovered on private property, and possible solutions for sinkholes on private property.	X	X	X	X	X	X	X
Goal 9: Reduce the city of Willard's vulnerability to tornadoes/severe thunderstorms by 50% over the next five years.							
<i>Action 9.1 Reduce the vulnerability of damage caused by tornadoes/severe thunderstorms to existing structures.</i>							
Conduct a community tornado risk assessment program.	X	X	X	X	X	X	X
Create a financial plan to retrofit improvement measures identified for all critical facilities in the community.	X		X	X		X	
Assist and guide in the retrofit improvement measures specific for tornado damage for listed essential facilities.		X	X	X		X	
Conduct a tree inventory of a high risk tree analysis along the city's right-of-way and both public parks	X	X	X	X		X	X
Carry out a tree maintenance plan for reducing the risk of damage from high risk trees as identified in the tree inventory.		X	X			X	X

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Mitigation Action Evaluation							
<i>Action 9.2 Maintain and improve sufficient warning system as growth and development requires.</i>							
Identify future development areas in need of additional warning systems.	x	x	x	x	x		x
Acquire warning equipment for current areas identified outside the warning area and future development areas to be identified.	X	X	X	X	X	X	
Promote NOAA weather radios with annual city sponsored purchase program.	X		X	X	X	X	
<i>Action 9.3 Increase the availability of protective shelters for local residents both privately and publicly.</i>							
Create and carry out a plan to assist and establish storm shelters to be available at both mobile home parks within the city of Willard.		X		X	X	X	
<i>Action 9.4 Increase public education of specific tornado mitigation activities that can be done.</i>							
Promote an awareness campaign on tornado hazards, their consequences, and the steps that can be taken to reduce risk.	x	x	x	x	x	x	x
Develop and apply incentives to encourage businesses, homeowners and others to implement risk reduction measures.	X	X	X	X		X	X
<i>Action 9.5 Increase local businesses ability to expedite business resumption following a tornado.</i>							
Establish a public outreach program for local businesses.	X	X	X	X	X	X	X
<i>Action 9.6 Improve local response effort to a destructive tornado.</i>							
Install backup power, or the wiring for quick connection to portable generators, to all listed critical facilities.	X	X	X	X	X	X	
Install backup power, or the wiring for quick connection to portable generators, to both city wells and the four sewer lift stations.	X	X	X	X		X	X
Goal 10: Reduce the city of Willard's vulnerability to wildfires by 50% over the next five years.							
<i>Action 10.1 Reduce the potential rural/urban interface risk for wildfires.</i>							
Decrease wildfire risk in areas where development is adjacent to forests or grasslands by incorporating buffer zones.	X		X	X		X	X
<i>Action 10.2 Increase the public awareness of mitigation and prevention activities for wildfires.</i>							
Promote fire-resistant construction materials through articles and educational brochures.			X			X	X
Increase public awareness regarding private property landscaping maintenance that can reduce the risk of damage encountered by burning brush secondary to uncontrolled local brush fires.	X		X			X	X
<i>Action 10.3 Improve city-wide fire hydrant capabilities.</i>							

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Mitigation Action Evaluation							
Create a planning taskforce for specific improvements of the water infrastructure within the City for increased fire-hydrant capabilities.	X	X	X	X	X	X	X
Goal 11: To reduce the city of Willard's vulnerability to severe winter storms by 50% over the next five years.							
<i>Action 11.1 Increase Public Works abilities for effective response efforts.</i>							
Establish an intradepartmental communications system for Willard Public Works.	X	X	X			X	
Improve the debris management capabilities for Public Works	X	X	X	X		X	
<i>Action 11.2 Increase the public awareness for mitigation and preparedness activities necessary for winter storms.</i>							
Promote an awareness campaign regarding safety measures and preparation actions for severe winter storms.			X	X	X		
Promote an awareness campaign regarding private property landscaping maintenance that can reduce the risk of damage encountered from falling limbs or trees secondary to severe winter weather.	X			X	X	X	X
<i>Action 11.3 Increase coordination and collaboration with outside utility companies including electric and phone companies serving the Willard area.</i>							
Create a planning taskforce and plan for specific improvements of utility infrastructure within the City to reduce risk for damage caused by severe weather.	X	X	X			X	X