

SECTION 3

CITY/COUNTY CAPABILITY ASSESSMENT

Note: Updates to section 3 including updating current existing plans used by county and including school information and practices. Each jurisdiction did a review and sent in more current information were applicable. Also added was grant funding information.

Mitigation Management Policies

The Newton County Emergency Management Agency is in charge of the preparation for emergency and/or disastrous incidents and events. This duty includes the writing of an Emergency Operations Plan, coordinating intergovernmental emergency response and preparedness agencies, and implementing measures identified in the Emergency Operations Plan that increase preparedness and reduce response times. The Newton County Emergency Management Agency generally encourages cooperation of jurisdictions on all disaster response and preparedness.

Existing Plans

Newton County Emergency Management Agency has finished updating its Emergency Operations Plan to conform the Federal mandate of revising and incorporating Catastrophic Events, Agro-Terrorism/Animal Emergency, and Special Needs Population issues into the plan (July 2008). The Newton County Emergency Operations Plan then identifies facilities of specific importance which require special protection and/or attention in case of a hazardous event. The plan also develops and maintains mutual assistance agreements among the various and usually overlapping agencies, participates in exercises and drills to maintain awareness, develops procedures to circumvent transportation and utility closures, and identifies vulnerability with the existing civic infrastructure.

The National Incident Management System (NIMS) has been adopted by Newton County and all cities and villages within the County. All emergency responses to disasters, large or small, are conducted utilizing NIMS procedures.

Each school within the county has its own Emergency Operations Plan. Yearly, local school districts reassess risks and incorporate those risks and mitigation strategies into their plan. Drills, such as for tornadoes and intruders, are practiced regularly within the school year to assist in better response time.

Many Cities have Comprehensive Plans and reference the Hazard Mitigation Plan when updating these plans. All entities have budgets; and implement their plans, at the least, through the budget process, adding in additional costs for implementation of the Hazard Mitigation Plan actions from their council approved action list. Neosho has taken the Mitigation Plan one step further by doing a watershed plan.

Mitigation Programs

The majority of Hazard Mitigation Planning places emphasis on floodplain management regulations and the participation in the National Flood Insurance Program (NFIP). As identified in the Community Profile Section of this plan, not every municipalities and incorporated areas have floodplain regulations. Other mitigation measures conducted throughout Newton County include:

- Geographic Information Systems (GIS) have facilitated the development of mapped floodplain areas, but they are currently not respected throughout the County. Many property owners in the County participate in the NFIP.
- Community Emergency Response Team training for the general public has been ongoing for the past two (2) years throughout Newton County. This program has been very effective in increasing public awareness and preparedness. The training includes first aid, basic firefighting, basic search and rescue, and disaster psychology.
- The School Districts of Newton County have done extensive planning a training of both staff and students to be better prepared in the event of any disaster situation to include severe storms, fires, and on campus intruders.
- The County receives NWS (National Weather Service) warnings and alerts needed officials and emergency responders. Many residents have NWS radios and several cities have sirens.
- The County will have a reverse 911 system with calling capability to affected areas for storm and other hazard warnings with a message that describes the situation and instruction on what protective actions a resident should take. This will be available January 2009.

Capabilities (Organization, Staffing, Training, Etc.)

The Capability of emergency response, fire protection, law enforcement, and emergency medical services are outlined in the Community Profile Section of this Hazard Mitigation Plan.

The Emergency Operations Center of Newton County 911 located in Neosho is in congruence with FEMA EOC standards. Local risk assessments are incorporated into the Local Emergency Operations Plan and are factored into planned exercises conducted throughout the year. Local planning incorporates risk assessments as they are identified.

Cities and the County have extensive mobile and fixed communication abilities to coordinate the scene of an emergency. Local and County participation in regional Homeland Security meetings and training have greatly improved the coordination of the local agencies to address emergencies.

There is adequate fire, police, rescue, mass care, emergency medical, and information equipment available to city and County agencies. Neosho has a medical center, and there are substantial medical response services in Neosho. Most cities and towns within Newton County have 1st responder services.

The Emergency Management Agency director has received training in professional development, emergency response planning, emergency response operations, exercises, disaster response and recovery, and disaster mitigation. Emergency response personnel, EOC staff, and volunteer staff have also received adequate training in emergency response. Overall, there have been a good quality training, education, and awareness initiative for Hazard Mitigation.

Responsibilities and Authorities

City and County governments should have the following:

- The legal basis for authorization to order mandatory evacuation, redirect funds for emergency use, order a curfew, and commandeer facilities and/or equipment and materials;
- Authorized lines of succession for the chief elected officials with the authority to initiate necessary emergency activities;
- Substantially safeguarded vital records, although limited to records needed to reconstitute local government;
- A substantial analysis of the possible impacts of potential disasters;
- A multi-hazard emergency operations plan;
- An Emergency Alert System approved by the Federal Communications Commission;
- Increases number of completed mutual aid agreements with neighboring jurisdictions; and
- Substantial protection of people with special needs.

Intergovernmental and Interagency Coordination

The Newton County Emergency Management Agency participates in several area meetings monthly, and serves to sustain coordination and responsibility among fire, law enforcement, emergency medical, and public health officers from incorporated areas and adjacent jurisdictions. Through the RHSOC, intergovernmental coordination has been expanded. Also, several cities have signed mutual aid agreements outlining available help and costs.

Vulnerability Assessment Overview

The local governments and County are committed to a comprehensive Hazard Mitigation Program as stated and committed by their passage of resolutions approving this planning document. Through the course of the planning process, stakeholders have been educated of the hazards and the opportunities that this planning process will bring to the region to reduce loss of life and property.

The hazard mitigation policies of relevance to this hazard mitigation plan are floodplain ordinances, stormwater ordinances, and no-burning ban ordinances during certain periods of the dry season. The county is in the process of putting together a stormwater ordinance for control of this important issue.

Vulnerability Assessment of County Policies and Development Trends

Commitments to a Comprehensive Mitigation Program

Newton County has a history of striving to protect the life and property of the public. In the aftermath of the January 2007 Ice Storm, the county Emergency Management moved to a new building to better accommodate the many

emergency incidents. In 2009, the 911 call center moved into the building to improve emergency response coordination. On a comprehensive basis, the county maintains and regularly updates the Emergency Operations Plan that includes mitigation measures for all hazards, natural and manmade. The Newton County Emergency Operations Plan was just recently updated in 2008 to incorporate and update response to Catastrophic Events, Agro-Terrorism/Animal Emergency, and Special Needs Population issues.

From past experience of flooding, projects were done to prevent future issues. The City of Seneca has historically experienced flooding in its downtown area, and a series of dams, dykes, and other “structural projects” were conducted to mitigate these floods, resulting in a series of dams. The Lost Creek Watershed District coordinates these flood mitigation projects and their maintenance. After doing a study on Hickory Creek, Neosho has done a watershed plan with property buyouts, water retention ponds and an improved drainage system. These dams are intended to protect the park and all structures downstream.

County Laws, Regulations and Policies Related to Development in Hazard Prone Areas

The Newton County Floodplain ordinance is based on policies to protect the general welfare and health of county residents and visitors. The ordinance is designed to safeguard health, safety, and property in times of flood by regulating construction in the floodplain.

The Newton County Stormwater regulations will be designed to minimize the negative effects of stormwater runoff caused by development. These regulations outline proper mitigation measures for erosion, detention, discharge, and conveyance of stormwater.

County Laws, Regulations and Policies Related to Hazard Mitigation in General

As a 2nd class county, Newton County currently has no county zoning. - It does control building within the floodplain and controls stormwater through the building permit venue. It controls burning during certain periods of the dry season.

How Local Risk Assessments Are Incorporated and Prioritized Into Local Planning

Riverine is the most reoccurring impact on the County, and an independent floodplain regulation exists among the body of other regulations. Flash flooding is also a concern in the area. Stormwater regulations for the County have been written to adequately accommodate runoff from new development.

Newton County also recognizes the danger and economic impacts of severe storms, tornadoes, and severe winter storms. Clearing snow is a moderate priority for the County due to a lack of extensive and prolonged winter weather conditions in the area.

A majority of the communities in Newton County consider tornadoes their biggest issue, followed by ice storms. When planning for water project upgrades or sewer upgrades, several cities are making generator installations a part of the project to be able to provide the needed utilities during those difficult times. Also on several city and school projects, are building saferooms for tornado protection.

Current Criteria Used To Prioritize Mitigation Funding

Funding for mitigation measures is based on the combination of predicted damage to property and death/injury impacts. For example, certain areas are traditionally prone to flash flooding. Most natural disasters occur sporadically, like tornadoes, and the repetitive loss is hard to concentrate into specific geographical areas like a floodplain. Mitigation has not extensively been used in the area, but initiatives have been based on a case-by-case applicant basis.

Mitigation also becomes a concern with the rate, density, and intensity of development in the County. With the expansion of city limits and population areas, growth can stretch the city and county infrastructure and emergency measures.

Integration of Hazard Mitigation with the City/County Departments’ Plans

The Newton County Emergency Management Agency includes representatives from county and city fire, law enforcement, emergency medical, and health organizations. All communities within Newton County are recognized within the Emergency Operations Plan, but some communities have devised or wish to devise their own EOPs based on the

County plan. These Emergency Operations Plans call for extensive consideration of emergency response and preparedness. Their intentions are reflected in the city and county building, development, street, signage, land use, and floodplain codes and ordinances.

How the County Determines Cost Effectiveness of Mitigation Programs

Since Hazard Mitigation Funds are delegated on a case-by-case basis, it is difficult to calculate the cost-effectiveness of mitigation programs other than on a case-by-case basis. Mitigation funds are calculated through the scope of damages, estimated savings in future hazardous events, and the probability of future hazard to human life and property. FEMA-funded projects must go through a rigorous Benefit Cost Analysis before submission and grant approval.

Mitigation Funding Options Including Current and Potential Sources of Federal, State, Local, Private

Newton County and the incorporated areas within have historically relied upon Presidential disaster declarations for financial and logistical support in case of large-scale disasters. Upon such declarations, sources of funding have included FEMA, SEMA, Missouri DNR, and Missouri CDBG, along with assistance from insurance and other private funding sources.

Mitigation programs are implemented on a case-by-case basis where the applicant submits their request in writing to the Missouri State Emergency Management Agency. Usually, the state either agrees to fully or partially fund the initiative and begins an application process, or directs the applicant to other funding through governmental agencies. Private organizations have been integral in the hazard mitigation process, by partially funding sirens, stream cleanups or radio weather warning systems, they benefit with positive Public Relations.

How County Government Meets Requirements for Hazard Mitigation Funding Programs

Newton County regulates floodplain areas and stormwater runoff in non-incorporated areas. It is the County responsibility to maintain and update the Hazard Mitigation Plan every five years. It is recommended that the committee meet yearly to review the goals and to encourage them being met.

Funding Sources

There are several sources of funding for both pre- and post-disaster hazard mitigation policies and projects. While all mitigation techniques will likely save money by avoiding losses, the cost of implementing mitigation efforts can be substantial and well beyond the local government's capacity to fund the mitigation activity. There are existing federal and state funding programs that can be utilized for funding assistance. Following is a list of some sources of funding presently available. This list is not comprehensive. There are new programs being developed, or existing programs being eliminated or modified both by the Federal and State government.

Federal Sources

TITLE: PRE-DISASTER MITIGATION PROGRAM

AGENCY: FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA)

Through the Disaster Mitigation Act of 2000, Congress approved the creation of a national program to provide a funding mechanism that is not dependent on a Presidential disaster declaration. The Pre-Disaster Mitigation (PDM) Program provides funding to states and communities for cost-effective hazard mitigation activities that complement a comprehensive mitigation program, and reduce injuries, loss of life, and damage and destruction of property.

TITLE: FLOOD MITIGATION ASSISTANCE PROGRAM

AGENCY: FEDERAL EMERGENCY MANAGEMENT AGENCY

FEMA'S Flood Mitigation Assistance Program (FMA) provides funding to assist states and communities in implementing measures to reduce or eliminate the long-term risk of flood damage to buildings, manufactured homes, and other structures insurable under the National Flood Insurance Program (NFIP). FMA was created as part of the National Flood Insurance Reform Act of 1994 (42 U.S.C. 4101) with the goal of reducing or eliminating claims under the NFIP.

FMA is a pre-disaster grant program, and is made available to states on an annual basis. This funding is exclusively available for mitigation planning and implementation of mitigation measures.

Criteria: Community must be a participant in NFIP; the project must be cost effective, beneficial to the NFIP fund, and technically feasible. The project must conform to the minimum standards of the NFIP Floodplain Management Regulations, the applicant's Flood Mitigation Plan, and all applicable laws and regulations.

TITLE: HAZARD MITIGATION GRANT PROGRAM

AGENCY: FEDERAL EMERGENCY MANAGEMENT AGENCY

The Hazard Mitigation Grant Program (HMGP) was created in November 1988 through Section 404 of the Robert T. Stafford Disaster Relief and Emergency Assistance Act. The HMGP assists states and local communities in implementing long-term mitigation measures following a Presidential disaster declaration.

Criteria: Project must conform to State's Hazard Mitigation Plan, provide a beneficial impact on the disaster area, meet environmental requirements, solve a problem independently, and be cost-effective.

TITLE: MITIGATION TECHNICAL ASSISTANCE PROGRAMS (MTAP)

AGENCY: FEDERAL EMERGENCY MANAGEMENT AGENCY

There are three major mitigation technical assistance programs (MTAPs) that provide technical support to state/local communities through FEMA Regional and Headquarters Mitigation staff in support of mitigation initiatives. These programs include the Hazard Mitigation Technical Assistance Program (HMTAP), the National Earthquake Technical Assistance Program (NETAP), and the Wind and Water Technical Assistance Program (WAWTAP). They provide the technical support that is necessary to mitigate against potential loss of lives and minimize the amount of damage as a result of a disaster.

The HMTAP provides assistance to FEMA's Headquarters and Regional Mitigation Staff. This multi-hazards program was designed to provide architectural, engineering, and other mitigation related technical assistance in support of post disaster mitigation initiatives.

The NETAP is a technical assistance program created to provide ad hoc short-term architectural and engineering support to state/local communities as they are related to earthquake mitigation. The program was designed to enhance the state/local communities' ability to become more resistant to seismic hazards. This assistance cannot be used for actions that are covered under the State's/Territories Performance Partnership Agreement (PPA). This program assists in carrying out the statutory authorities of the National Earthquake Hazards Reduction Act of 1977, as amended.

The WAWTAP is a technical assistance program created to provide ad hoc short-term assistance in support of the hurricane and flood programs. The program was designed to enhance the state/local communities' ability to become more resistant to hazards related to flooding and hurricanes. This assistance cannot be used for actions that are covered under the State's/Territories Performance Partnership Agreement (PPA). This program assists in carrying out the statutory authorities of the National Flood Insurance Act of 1968 and the Flood Disaster Protection Act of 1973.

Criteria: State participation in the Flood Program

TITLE: SBA DISASTER ASSISTANCE PROGRAM

AGENCY: U. S. SMALL BUSINESS ADMINISTRATION

The purpose of the Pre-Disaster Mitigation Loan Program is to make low-interest, fixed rate loans to eligible small businesses for the purpose of implementing mitigation measures to protect business property from damage that may be caused by future disasters. The program is a pilot program, which supports FEMA's Pre-Disaster Mitigation Program. SBA's Pre -Disaster Mitigation Program is available to businesses whose proposed mitigation measure conforms to the priorities and goals of the mitigation plan for the community, as defined by FEMA, in which the business is located. Because the program has been approved only for limited funding, approved loan requests will be funded on a first-come, first-served basis up to the limit of the program funds.

Criteria: A Presidential disaster declaration or an SBA administrative declaration must be made.

TITLE: COMMUNITY DEVELOPMENT BLOCK GRANTS

AGENCY: U. S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

The Community Development Block Grant (CDBG) program provides grants to local governments for community and economic development projects that primarily benefit low-and moderate-income people. The CDBG program also provides grants for post disaster hazard mitigation and recovery following a Presidential disaster declaration.

Criteria: CBDG eligible communities (generally communities with under 50,000 population and counties under 200,000 population) located within a Presidential disaster declaration area.

TITLE: DISASTER MITIGATION PLANNING AND TECHNICAL ASSISTANCE
AGENCY: DEPARTMENT OF COMMERCE, ECONOMIC DEVELOPMENT
ADMINISTRATION

These grants are primarily designed for economic development initiatives, but are applicable to hazard mitigation when the focus is on creating disaster resistant jobs and workplaces. Also, these monies are applicable because often projects related to developing infrastructure are also making the community more disaster resistant.

TITLE: EMERGENCY WATERSHED PROTECTION
AGENCY: DEPARTMENT OF AGRICULTURE, Natural Resources
(NRCS)

The Emergency Watershed Protection Program (EWP) provides financial assistance to sponsors and individuals in implementing emergency measures to relieve imminent hazards to life and property created by a natural disaster. Activities include providing financial and technical assistance to remove debris from streams, protect destabilized stream banks, and the purchase of flood plain easements. The program is designed for installation of recovery measures. It is not necessary for a national emergency to be declared to be eligible for assistance.

TITLE: WATERSHED SURVEYS AND PLANNING PROGRAM
AGENCY: DEPARTMENT OF AGRICULTURE, Natural Resources
Conservation Service (NRCS)

This Program provides financial assistance for watershed planning activities and cooperative river basin surveys and investigations. Types of plans include flood hazard analyses, and flood plain management assistance, with a focus on identifying solutions that use conservation practice and nonstructural measures to solve resource problems.

State Sources

TITLE: WATER AND SEWER GRANT PROGRAMS
AGENCY: MISSOURI DEPARTMENT OF ECONOMIC DEVELOPMENT

The Department of Economic Development offers grants to enhance infrastructure such as water and sewer lines. These grants might be particularly helpful in protecting against drought by connecting disparate water sources and thereby providing multiple water sources to isolated communities. These monies might also be helpful in providing adequate protection of sewage treatment plants from the risk of flood or separation of storm water from combined sewer lines.

TITLE: EMERGENCY MANAGEMENT/MITIGATION TRAINING
AGENCY: STATE EMERGENCY MANAGEMENT AGENCY

The State Emergency Management Agency (SEMA) offers grants for training jurisdictions in hazard mitigation, preparedness, and planning. These funds are used for training appropriate staff in identifying projects best suited for mitigation.

TITLE: PRE-DISASTER MITIGATION PROJECT IMPACT
AGENCY: STATE EMERGENCY MANAGEMENT AGENCY

SEMA funds are provided to assist communities with technical assistance in the development of a sustained pre-disaster mitigation program. Funds can be used for planning mitigation initiatives and providing technical “know-how” in the construction of mitigation projects.

TITLE: HAZARD MITIGATION GRANT PROGRAM
AGENCY: STATE EMERGENCY MANAGEMENT AGENCY

SEMA funds are available to communities for implementing long-term hazard mitigation measures following a disaster declaration. It is thought that after a major disaster, communities will be able to identify where things can be done to prevent losses in the future.

TITLE: PUBLIC ASSISTANCE PROGRAM**AGENCY: STATE EMERGENCY MANAGEMENT AGENCY**

These SEMA grants are designed to provide funds to repair damaged infrastructure and public facilities. Funds can also be used to reinstate government services impacted by a natural hazard event. This program can fund the repair of damaged components of a structure.

TITLE: DISASTER RECOVERY INITIATIVE**AGENCY: MISSOURI DEPARTMENT OF ECONOMIC DEVELOPMENT**

The Missouri Department of Economic Development (DED) provides this grant program to bridge funding gaps in recovery assistance after a disaster. These funds can also be used to fund gaps in a mitigation development program.

TITLE: SOIL AND WATER CONSERVATION PROGRAM**AGENCY: MISSOURI DEPARTMENT OF NATURAL RESOURCES**

The Missouri Department of Natural Resources (DNR), through the Soil and Water Conservation Program, offer grants, cost share programs, and low interest loans to agencies and property owners to plan and implement best practices to reduce soil erosion and improve water quality. Practices that facilitate slower release of water upstream mitigate downstream flood hazards. The programs are generally applicable to rural and agricultural environments.

Local Sources

Municipal and county governments can provide funds for projects through their general revenue fund and through a dedicated capital improvement and/or transportation sales/use tax. Special taxing districts, such as a Neighborhood Improvement District (NID), can be formed if practical, to assess property owners for a portion of the cost of improvements.

Non-governmental

Other potential sources of revenue for implementing local mitigation projects are monetary contributions from nonprofit organizations such as the American Red Cross, community relief funds, churches, charitable trusts, and land trusts.

Recommendations for Improvement

The Harry S Truman Coordinating Council Area Hazard Mitigation Committee recommends 1) mutual aid agreements among neighboring jurisdictions, 2) improve the capabilities of the Emergency Management Agency and their operations, 3) additional warning sirens, 4) community tornado shelters, 5) adopt and implement stormwater regulations, 6) enforce and update floodplain regulations and increase floodplain buyout programs, 7) promote drought resistant farming crops and techniques, 8) implement design recommendations to reduce and limit impervious surfaces which create runoff and flash floods, and 9) generally increase overall awareness and education for public safety.

City/Town/Village Policies and Development Trends

Joplin is expanding west to the future bypass with an interchange being built shortly on 43 and Zora to assist that expansion. Growth is controlled by ordinances in the cities of Joplin, Neosho, Grand Falls Plaza, Saginaw, Cliff Village, Shoal Creek Drive, Loma Linda, Shoal Creek Estates, Dennis Acres, Leawood, Seneca, and Diamond. The community of Wildwood has a master plan for development to control stormwater and flood issues.

The land use patterns that exist with the area represent a system which is dominated by urban vs. rural classifications. The largest urbanized area in the county is Joplin, with the county seat, Neosho as the second largest area. Much of the rest of the area is communities of less than 500 residents. In terms of land use within the specific communities, there is a wide disparity in the variety of land uses. Joplin and Neosho contain many of the industrial and institutional uses in the area. Smaller communities contain mostly residential uses and few commercial uses. While this pattern of land use can be expected, and in some cases preferred as a means of protecting small town character, although it leaves many residents with few services within a reasonable distance from their homes.

County growth has been 6% from 2000 census though the 2005-2009 5-year estimate. Various towns have grown rapidly while others have had population losses. Growth appears to be related to the view of Shoal Creek in high end housing.

Wildwood Ranch Development is south of Joplin and has caused Joplin to annex to the south, both to meet up with the Development and take in more of I-44 where business growth is expected. (Much of Joplin is in Jasper County, but this growth is in Newton and will expand with time). Following is the building permits for the cities and the growth rate.

Table 3.1 Building permits from City Data. Com (from section 1)		
	2001	2008
Cliff Village		
Dennis Acres		
Diamond	0	1
Fairview		
Granby		
Grand Falls Plaza		
Joplin		
Leawood		
Loma Linda	5	4
Neosho	28	12
Newton County		
Newtonia		
Redings Mill		
Ritchey		
Saginaw	2	1
Seneca	10	0
Shoal Creek Drive	2	0
Shoal Creek Estates		
Silver Creek	2	2
Stark City		
Stella		
Wentworth		

Table 3.2 Population Growth from American FactFinder			
City	2000 census	2005-2009 5-year estimate	% change
Cliff Village	33	120	264%
Dennis Acres	68	52	-24%
Diamond	807	681	-16%
Fairview	395	525	33%
Granby	2121	2316	9%
Grand Falls Plaza	104	133	28%
Joplin (Jasper and Newton County number)	45505	48790	7%
Leawood	904	893	-1%
Loma Linda	507	598	18%
Neosho	10505	11140	6%
Newton County	52636	55694	6%
Newtonia	231	229	-1%
Redings Mill	159	153	-4%
Ritchey	76	50	-34%
Saginaw	276	310	12%
Seneca	2135	1989	-7%
Shoal Creek Drive	346	368	6%
Shoal Creek Estates	51	235	361%
Silver Creek	608	763	25%
Stark City	156	119	-24%
Stella	178	181	2%
Wentworth	141	139	-1%

SECTION 4

INTRODUCTION TO MITIGATION

Definition of Mitigation

Mitigation is defined as sustained action that reduces or eliminates long-term risk to people and property from natural hazards and their effects. It describes ongoing effort at Federal, State, local and individual levels to lessen the impact of disasters upon our families, homes, communities, and economy.

Mitigation includes not only avoiding the development of vulnerable sections of the community, but also making existing development in hazard prone areas safer. Incorporating mitigation into decisions related to our community's growth could result in a safer, more resilient community, and one that is more attractive to new facilities and businesses.

Categories of Mitigation

The State of Missouri is subject to many types of natural hazards: floods, tornadoes, winter storms, landslides, earthquakes, droughts, winter storms and wildfires. All-hazard mitigation planning is called the process associated with devising strategies needed to mitigate the damages associated with this wide variety of potential natural disasters.

Since there are a wide variety of natural disasters to consider in hazard mitigation planning, there are many categories of mitigation. They are Prevention, Property Protection, Natural Resource Protection, Emergency Services, Structural Projects, and Public Information.

Prevention measures are intended to keep a hazard risk problem from getting worse. They ensure that future development does not increase hazard losses. Communities can achieve significant progress toward hazard resistance through prevention measures. This is particularly a threat in areas that have not been developed or where capital investment has not been substantial. By using prevention measures, future development can be guided away from hazards, while maintaining other community goals such as economic development and quality of life through planning and zoning, open space preservation, land development regulations, and/or stormwater management.

Property protection measures are used to modify buildings subject to hazard risk, or their surroundings, rather than to prevent the hazard from occurring. A community may find these to be inexpensive measures because often they are implemented or cost shared with property owners. These measures directly protect people and property at risk. Acquisition is the public procurement and management of lands that are vulnerable to damage from hazards. Relocation is the permanent evacuation of hazard prone areas through movement of existing hazard prone development and population to safer areas. Rebuilding includes modifying structures to reduce damage by future hazard events. Flood proofing involves protecting a flood prone building using one or more of several different methods to redirect or divert floodwaters.

Natural resources protection measures are intended to reduce the intensity of hazard effects as well as to improve the quality of the environment and wildlife habitats. Parks, Recreation, and Conservation agencies or organizations usually implement these activities. Examples of natural resource protection include Erosion and Sediment Control and Wetlands Protection.

Emergency services measures protect people before and after a hazard event. Most counties and many cities have emergency management offices to coordinate warning, response, and recovery during disaster. Emergency services include Warning, Capacity of Response (not a mitigation measure), Critical Facilities Protection, and Health and Safety Maintenance.

Structural measures directly protect people and property at risk. They are called "structural" because they involve construction of man-made structures to control hazards. Structural projects for flood control may include Reservoirs, Levees, Floodwalls, and Seawalls, Diversions, Channel Modifications, and Storm Sewers. A structural solution for landslides is the construction of a debris basin.

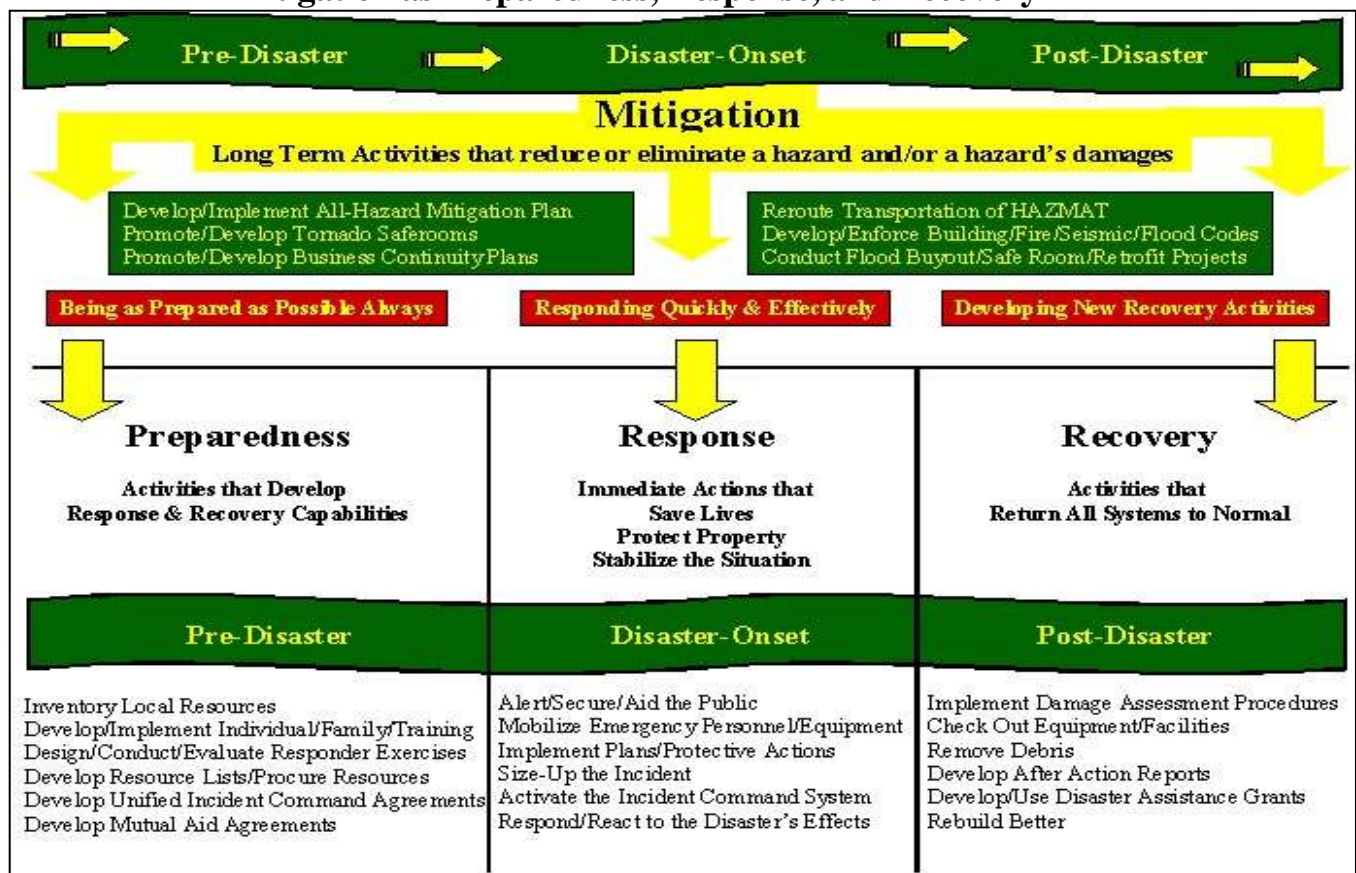
Public Information activities inform and remind people about hazardous areas and the measures necessary to avoid potential damage and injury. Public Information activities for mitigation are directed toward property owners, potential property owners, business owners, and visitors (Tourists). A few examples of public information activities to achieve mitigation are Providing hazard maps and other hazard information, Outreach programs that provide hazard and mitigation information to people when they have not asked for it, Real estate disclosure, Information in the public library or a library developed specifically for mitigation information, Available technical assistance, and School age and adult education programs (Pamphlets, flyers, drills).

Mitigation Versus Preparedness, Response and Recovery

Preparedness, Response, and Recovery are not mitigation measures. Preparedness activities are those that develop response and recovery capabilities. Response activities are immediate actions that save lives, protect property, and stabilize the situation. Recovery is activities that return all systems to normal. Mitigation is long-term activities that reduce or eliminate a hazard and/or its subsequent damages.

Planners must keep in mind that mitigation includes long-term activities that reduce or eliminate a hazard's damages. Building codes, floodplain management, tornado safe rooms, flood buyouts, and planning are examples of mitigation. Preparedness activities are designed to develop individual and community capabilities to respond to and recover from disasters. Preparedness activities include training, exercises and stocking emergency supplies. Response actions include those immediate activities that save lives, protect property and stabilize the situation when disaster strikes. The activities that return the community to normal or pre-disaster conditions fall under the heading of recovery.

Figure 4.1
Mitigation as Preparedness, Response, and Recovery



Hazard Mitigation Planning offers many community benefits. Principally, it can save lives and property, meet the needs of the community, achieve multiple objectives, reduce vulnerability of future hazards, guide and speed post disaster recovery, enhances funding opportunities, and promotes public participation.

Communities can save lives and reduce property damage from natural hazards through mitigation actions, such as keeping families and homes out of harm's way. Each community is different in terms of its economics, size, geography, governance, demography, land uses, and hazards. Therefore, each community's mitigation plan will vary to some degree. Mitigation planning identifies problems and solutions that are specific to your community. Developing a multi objective plan that can help the community to better sustain itself will find the most appropriate solutions, address multiple problems with a single solution, maintain or improve local environmental and economic integrity, and demonstrate commitment to improving community health and safety. With a mitigation strategy in place, the community will be better prepared to take steps that will permanently reduce the risk of future losses for individuals and businesses. It is important to remember that individuals and business owners forge their power to reduce vulnerability to damage if we build the community without regard to natural hazards or if we rebuild after a disaster "just like it was before". The planning process guides post disaster recovery in many ways. By identifying and ranking before the next disaster, the community will be in a better position to

obtain post disaster funding because much of the background work necessary for applying for Federal funding will already be completed. The mitigation process works through the use of various possible sources of federal, state, and local project funding. Successful completion of the Hazard Mitigation Plan can also fulfill the planning requirements for several federal programs such as the Hazard Mitigation Grant Program (only post-disaster mitigation grant program), the Pre-Disaster Mitigation (PDM) grant program, the Flood Mitigation Assistance (FMA) program, and the Community Rating System (CRS) program. This plan also may qualify the community for recognition for other federal programs such as the National Weather Service's Storm Ready program. Finally, the planning process promotes public participation by generating ideas for solutions ensuring recognition and local ownership of the plan, and providing groups and individuals concerned about the potential effects of disasters many opportunities to participate in problem solving and in plan implementation.

SECTION 5

COUNTY HAZARD MITIGATION GOALS, OBJECTIVES, STRATEGY, AND COORDINATION

Note: This section was majorly overhauled to better reflect the requirements of FEMA. Several notes are below showing changes.

Mitigation Goals and Objectives

The Newton County Hazard Mitigation Plan identifies four goal statements. Each goal is meant to be general and broad in nature, and can only be achieved through the long-term implementation of more specific objectives. It is intended that each Goal listed below will be more specifically addressed and realized through the implementation of short-term mitigation objectives and actions. These goals and objectives were revised through the planning process and the involvement of all local officials and stakeholders that participated. Comments came in from several cities about the revision of these goals and objectives. At the May 27, 2010 Hazard Mitigation committee meeting those comments were reviewed and then goals and objectives were revised to be encouraging and promote actions for all entities. (In fact, very little was changed from the old goals and objectives of the original plan as these are of long term value- goal 5 was a repeat of goal 4 and removed, "Newton County" was changed to entity, and objectives were softened to encourage not dictate.) The committee decided that actions should be submitted individually for each entity, thus making it truly a plan of the stakeholders. Mitigation goals and objectives are to be listed together for ease of reading. The actions, as were priorly listed, were confusing as to who's actions they were. It was decided therefore that Section 5 will have a complete makeover with all actions listed at the end by entity, with details for implementation by entity. Actions completed from the last five years will be listed separately. The desire of the committee is to get all entities to be a part of this plan so that each will review their own hazards and define an action plan they can comfortably implement to mitigate as many hazards as are financially possible in this economically stressed environment. The greatest concern was financial feasibility as expressed by many cities and schools and the committee as a whole.

All actions will be evaluated by the Harry S Truman Area Hazard Mitigation Committee. This Committee will be a board structure that consists of area-wide Stakeholders, and will determine the status of actions, and determine when these actions are complete, incomplete, conditionally complete, or need to be renewed. The method used to evaluate the action status will be a review process by said Committee at least annually. The annual meeting needed a champion so Harry S Truman Coordinating Council will be the facilitator, coordinator, and secretary of the future meetings.

MITIGATION GOALS– The following goals and objectives apply to all entities (county, cities, towns, villages, and schools) in Newton County as applicable or practicable

GOAL #1: Increase entities' internal **capabilities** to mitigate the effects of natural hazards.

Objective 1.1: Promote enhancement of floodplain management activities.

Objective 1.2: Promote the entities' capability to conduct hazard risk assessments, demonstrate funding needs, and track mitigation activities throughout the entity.

Objective 1.3: Track adequacy of emergency services to protect public health and safety.

GOAL #2: **Enhance** existing or design new entity policies that will reduce the potential damaging effects of hazards without hindering other community goals through punitive constraints.

Objective 2.1: Increase the entities' control over development in the floodplain to ensure lives and properties are not at risk to future flood conditions.

Objective 2.2: Preserve the natural and beneficial functions of the entities' floodplains and wetlands through continued support of natural resource protection policies and by discouraging growth in environmentally sensitive areas.

Objective 2.3: Encourage new construction is completed using severe weather/ high wind resistant design techniques and materials in accordance with the minimum requirements of the International Building Codes or Building Officials and Code Administrators International Code that will limit damage caused by high winds and reduce the amount of windborne debris.

GOAL #3: **Protect** entities' most vulnerable populations, buildings, and critical facilities through the implementation of cost-effective and technically feasible mitigation projects.

Objective 3.1: Maximize the use of available hazard mitigation grant programs to protect the entities' most vulnerable populations and structures.

Objective 3.2: Decrease the number of FEMA identified "repetitive loss properties" located in Newton County by 25% by the year 2015.

Objective 3.3: Ensure that all vital/ critical facilities are protected from the effects of natural hazards to the maximum extent possible.

Objective 3.4: Increase the amount and range of community severe weather/ tornado community shelters and private safe rooms throughout the County.(Note: This objective came from Goal 4 but was a better fit here)

GOAL #4: Protect public health, safety, and welfare by increasing the **public awareness** of existing hazards and by **fostering** both individual and public **responsibility** in mitigating risks due to those hazards.

Objective 4.1: Increase the level of knowledge and awareness of residents on the hazards that routinely threaten the area.

Objective 4.2: Promote the number of entities' residents that maintain an active NFIP flood insurance policy.

Goal 5 was deleted as it was repetitious of Goal 4.

Mitigation Strategy and Coordination

In formulating the Newton County Hazard Mitigation Strategy, a wide range of activities were considered in order to help achieve the goals of the community and to lessen the vulnerability of the County to the effects of natural hazard events. In general, all of these activities fall into one of the following categories of mitigation techniques.

MITIGATION STRATEGY

I. Prevention

Preventative activities are intended to keep damage from hazardous events from getting worse. They are intended to reduce a community's future vulnerability, especially in areas where development has not occurred or capital improvements have not been substantial. Prevention includes:

- A. Planning and Zoning
- B. Open Space Acquisition and Preservation
- C. Floodplain Regulation
- D. Stormwater Regulation and Management
- E. Drainage Systems Maintenance and upgrades
- F. Capital Improvements Programming
- G. Hazard Prone area Preservation

II. Property Protection

Property protection measures protect existing structures by modifying the building to withstand and mitigate damage caused by hazardous events, or remove structures from hazardous locations. Examples include:

- A. Acquisition
- B. Relocation
- C. Building Elevation
- D. Critical Facilities Protection
- E. Retrofitting (i.e. wind proofing, flood proofing, seismic design standards, etc.)
- F. Insurance
- G. Community and Private Safe Rooms

III. Natural Resource Protection

Natural resource protection activities reduce the impact of natural hazards by preserving, restoring, and/or enhancing natural areas and their mitigative function. Such areas include floodplains, wetlands, and other environmentally sensitive areas. These measures are already an implementation tool of parks, recreation, and conservation agencies and/or organizations. Examples of natural resource protection are:

- A. Floodplain Protection and Buyout
- B. Riparian/Riverine Buffer Zones

- C. Fire Resistant Landscaping
- D. Fuel Breaks
- E. Erosion and Sediment Control
- F. Wetland Preservation and Restoration
- G. Wildlife Habitat Preservation
- H. Slope Stabilization

IV. *Structural Projects*

Mitigation through structural projects is intended to lessen the impact of hazardous events by modifying the natural progression of such an event. These measures are usually undertaken and designed by engineers and managed by public works staff. Most of these initiatives pertain to flood control, and examples include:

- A. Reservoirs
- B. Levees/ Dikes/ Floodwalls
- C. Diversions/ Detention/ Retention
- D. Channel Modification
- E. Storm Sewers and Drainage

V. *Emergency Services*

Emergency service measures minimize the impact of a hazard on people and property immediately prior to, during, or in response to a hazard event. Emergency service mitigation techniques include:

- A. Warning Systems
- B. Evacuation Planning and Management
- C. Sandbagging for Flood Protection
- D. Installing Shutters for Wind Protection

VI. *Public Information and Awareness*

Public information and awareness activities are engaged in to advise residents, business owners, potential property buyers, and visitors about hazards, hazardous areas, and mitigation techniques they can use to protect themselves and their property from hazardous events prone to this region. Examples of measures to educate and inform the general public include:

- A. Outreach Projects
- B. Speaker Series/ Demonstration Event
- C. Hazard Mapping
- D. Real Estate Disclosure
- E. Library Materials/ Handouts/ Pamphlets
- F. School Children Education and Drills
- G. Hazard Expositions

MITIGATION ACTIONS COMPLETED FROM THE PRIOR LIST

As a part of the update process, the county and cities were asked what actions they had completed. This is a list of completed actions as reported by the entities.

Action #1: Revise the County's Floodplain Ordinances to be in compliance with the new SEMA and FEMA standards. **By County in 2010, Neosho 2010**

Action #1: Create a Countywide Hazard Mitigation Committee to coordinate and prioritize goals, objectives, and actions identified in this plan and its subsequent updates. **By County and Communities March 2009**

Action #2: Incorporate a Geographic Information System (GIS) to maintain current building and parcel data for purposes of conducting more detailed hazard risk assessments, for tracking permitting and land use patterns in hazard prone areas. **Neosho in 2007, Joplin is in process of getting complete information into their GIS**

Action #1: Conduct an inventory survey for the County's emergency response services to identify any existing needs or shortfalls in terms of personnel, equipment or required resources. **By County in 2007**

Action #1: Develop and adopt a “no-rise (in base flood elevation)” clause for the County’s Floodplain Ordinances. **By County and Neosho**

Action #2: Revise the County’s Floodplain Ordinances to be in compliance with the new SEMA and FEMA standards. **By County, Neosho in 2010**

Action #1: Incorporate the inspection and management of hazardous natural debris into the County’s routine drainage system maintenance process. **Neosho as Ongoing, Joplin does it yearly**

Action #2: Coordinate and conduct stream cleanup programs in populated flood hazard prone areas. **By County and Neosho Ongoing, Joplin has a stream buffer zone**

Action #1: Promote a mutual agreement among the County and all incorporated areas that establishes the minimum requirements of the International Building Codes. **Joplin adopted IBC**

Action #1: Require community tornado shelters for any new manufactured/mobile home park. **Joplin lets no new parks in town by ordinance**

Action #2: Promote community shelters in existing manufactured/mobile home parks. **By County (Continuing)**

Action #1: Increase warning system coverage to the most feasible extent. **By County in 2010, Neosho in 2009, Stark City in 2009, Newtonia in 2009, Fairview in 2005**

Action #2: Investigate the feasibility and funding availability for the construction of structural projects to alleviate future flood hazard conditions. **Neosho completed study and did notice of intent for HMPG for Hatchery Branch**

Action #3: Seek funding to complete a stormwater drainage study/plan for needy communities. **Neosho and Joplin have done Stormwater studies**

Action #1: Acquire and preserve parcels of land subject to repetitive flooding from willing and voluntary property owners. **Acquired 1 property by County**

Action #2: On an annual basis, contact all owners of FEMA identified repetitive loss properties and inform them of the assistance available through the federal Flood Mitigation Assistance Program, in addition to their flood protection measures. **By County**

Action #2: Identify the County’s most at-risk key community facilities, and execute the potential mitigation techniques for protecting each facility to the maximum extent possible. **By County**

Action #1: Coordinate seasonal educational materials on individual and family preparedness/mitigation measures, and display and distribute routinely to county citizens and officials alike. **By County and Neosho (Continuing)**

Action #2: Annually host a public hazards workshop for the residents of Newton County , in combination with another large-scale community/regional festival or event. **Booth at County fair July 2010**

Action #2: Distribute an educational flyer targeting NFIP policyholders on the Increase Costs of Compliance (ICC) coverage, to be disseminated following a flood event that results in substantial damage determinations by the County. **By County (Continuing)**

Action #1: Coordinate seasonal educational materials on individual and family preparedness/mitigation measures, and display and distribute routinely to county citizens and officials alike. **By County (Continuing)**

Action #2: Annually host a public hazards workshop for the residents of Newton County , in combination with another large-scale community/regional festival or event. **By County at County Fair July 2010**

ALSO COMPLETED – Stark City, Newtonia, Fairview and Stella have built saferooms for their citizens.

Fairview and Stark City have acquired generators to run wells and city facilities.

MITIGATION ACTIONS TO BE DELETED FROM ORIGINAL PLAN

These are the actions that are deleted from the plan because of completion or because it is unclear as to who's action it applies to. All actions will be decided by each entity and details will be listed as to how it will be done. This is later in this section. When the plan was written originally in 2004, jurisdictions were not required to link directly to specific mitigation goals and actions. As such, the goals and actions developed in 2004 were on a broad, regional scale. Additionally, these goals and actions only addressed the first eight natural hazards identified in this plan. The aim was to provide local governments with many options for reducing their risks to hazards. However, specifics for each jurisdiction were not included. This update attempts to correct that deficiency. Joplin, Neosho and the County completed many of the actions, but most smaller cities did not. The exception was adopting the new Floodplain Ordinance. FEMA worked with all participants in NFIP to update their ordinance after the new mapping was done. Also, the actions were listed twice in the prior plan in two formats. This made it confusing to member cities.

Action #1: Revise the County's Floodplain Ordinances to be in compliance with the new SEMA and FEMA standards. (Completed – see above)

Action #2: Regularly calculate and document the amount of flood prone property that is preserved as open space for additional credit points under the Community Rating System (CRS).

Action #1: Create a Countywide Hazard Mitigation Committee to coordinate and prioritize goals, objectives, and actions identified in this plan and its subsequent updates. (Completed – see above)

Action #2: Incorporate a Geographic Information System (GIS) to maintain current building and parcel data for purposes of conducting more detailed hazard risk assessments, for tracking permitting and land use patterns in hazard prone areas. (Completed – see above)

Action #1: Conduct an inventory survey for the County's emergency response services to identify any existing needs or shortfalls in terms of personnel, equipment or required resources. (Completed – see above)

Action #1: Develop and adopt a “no-rise (in base flood elevation)” clause for the County's Floodplain Ordinances. (Completed – see above)

Action #2: Revise the County's Floodplain Ordinances to be in compliance with the new SEMA and FEMA standards. (Completed – see above)

Action #3: Research and design an appropriate stream buffer ordinance to further protect Newton County's water resources and to limit future flood damage adjacent to waterways.

Action #1: Incorporate the inspection and management of hazardous natural debris into the County's routine drainage system maintenance process. (Completed – see above)

Action #2: Coordinate and conduct stream cleanup programs in populated flood hazard prone areas. (Completed – see above)

Action #3: Promote a policy for slope stabilization efforts to prevent erosion and slippage of hills located near populated areas either up or down slope. (Newton County is not prone to slippage)

Action #1: Promote a mutual agreement among the County and all incorporated areas that establishes the minimum requirements of the International Building Codes. (Completed – see above)

Action #1: Require community tornado shelters for any new manufactured/mobile home park. (Completed – see above)

Action #5: Promote community shelters (Completed – see above)

Action #2: Promote community shelters in existing manufactured/mobile home parks.

Action #1: Increase warning system coverage to the most feasible extent. (Completed – see above)

Action #2: Investigate the feasibility and funding availability for the construction of structural projects to alleviate future flood hazard conditions. (Completed – see above)

Action #3: Seek funding to complete a stormwater drainage study/plan for needy communities. (Completed – see above)

Action #1: Acquire and preserve parcels of land subject to repetitive flooding from willing and voluntary property owners. (Completed – see above)

Action #2: On an annual basis, contact all owners of FEMA identified repetitive loss properties and inform them of the assistance available through the federal Flood Mitigation Assistance Program, in addition to their flood protection measures. (Completed – see above)

Action #1: Establish a local reserve fund for repairing and/ or incorporating hazard mitigation measures for public facilities and infrastructure damaged by natural hazards.

Action #2: Identify the County's most at-risk key community facilities, and execute the potential mitigation techniques for protecting each facility to the maximum extent possible. (Completed – see above)

Action #1: Coordinate seasonal educational materials on individual and family preparedness/mitigation measures, and display and distribute routinely to county citizens and officials alike. (Completed – see above)

Action #2: Annually host a public hazards workshop for the residents of Newton County , in combination with another large-scale community/regional festival or event. (Completed – see above)

Action #1: Advertise and promote the availability of flood insurance to county property owners by direct mail annually.

Action #2: Distribute an educational flyer targeting NFIP policyholders on the Increase Costs of Compliance (ICC) coverage, to be disseminated following a flood event that results in substantial damage determinations by the County. (Completed – see above)

Action #1: Coordinate seasonal educational materials on individual and family preparedness/mitigation measures, and display and distribute routinely to county citizens and officials alike. (Completed – see above)

Action #2: Annually host a public hazards workshop for the residents of Newton County , in combination with another large-scale community/regional festival or event. (Completed – see above)

Actions listed separate from goal and objectives (and reiterated) from old plan

Action #1: Create a Countywide Hazard Mitigation Committee to coordinate and prioritize goals, objectives, and actions identified in this plan and its subsequent updates.

Action #2: Establish a local reserve fund for repairing and/ or incorporating hazard mitigation measures for public facilities and infrastructure damaged by natural hazards.

Action #3: Conduct an inventory survey for the County's emergency response services to identify any existing needs or shortfalls in terms of personnel, equipment or required resources.

Action #4: Require community tornado shelters for any new manufactured/mobile home park.

Action #5: Promote community shelters in existing manufactured/mobile home parks.

Action #6: Promote a mutual agreement among the County and all incorporated areas that establishes the minimum requirements of the International Building Codes.

Action #7: Incorporate a Geographic Information System (GIS) to maintain current building and parcel data for purposes of conducting more detailed hazard risk assessments, for tracking permitting and land use patterns in hazard prone areas.

Action #8: Identify the County's' most at-risk key community facilities, and execute the potential mitigation techniques for protecting each facility to the maximum extent possible.

Action #9: Increase Warning System coverage to the most feasible extent.

Action #10: Develop and adopt a "no-rise (in base flood elevation)" clause for the County's Floodplain Ordinances.

Action #11: Advertise and promote the availability of flood insurance to county property owners by direct mail annually.

Action #12: Investigate the feasibility and funding availability for the construction of Structural Projects to alleviate future flood hazard conditions.

Action #13: Seek funding to complete a stormwater drainage study/plan for needy communities.

Action #14: Acquire and preserve parcels of land subject to repetitive flooding from willing and voluntary property owners.

Action #15: Regularly calculate and document the amount of flood prone property that is preserved as open space for additional credit points under the Community Rating System (CRS).

- Action #16: Revise the County's Floodplain Ordinances to be in compliance with the new SEMA and FEMA standards.
- Action #17: Develop an educational flyer targeting NFIP policyholders on the Increase Costs of Compliance (ICC) coverage, to be disseminated following a flood event that results in substantial damage determinations by the County.
- Action #18: Incorporate the inspection and management of hazardous natural debris into the County's routine drainage system maintenance process.
- Action #19: On an annual basis, contact all owners of FEMA identified repetitive loss properties and inform them of the assistance available through the federal Flood Mitigation Assistance Program, in addition to their flood protection measures.
- Action #20: Research and design an appropriate stream buffer ordinance to further protect Jasper County's water resources and to limit future flood damage adjacent to waterways.
- Action #21: Coordinate and conduct stream cleanup programs in populated flood hazard prone areas.
- Action #22: Promote a policy for slope stabilization efforts to prevent erosion and slippage of hills located near populated areas either up or down slope.
- Action #23: Coordinate seasonal educational materials on individual and family preparedness/mitigation measures, and display and distribute routinely to county citizens and officials alike.
- Action #24: Annually host a public hazards workshop for the residents of Newton County, in combination with another large-scale community/regional festival or event.

MITIGATION ACTIONS FOR EACH ENTITY WITHIN THE COUNTY

Note: This is a major change from the old plan. Each jurisdiction and school has their own action and plan for implementation.

Many variables must be taken into account when prioritizing Mitigation Actions and Goals.

Some of the most important are:

- **Benefit-Cost Review** – takes into account the monetary and non-monetary costs and benefits associated with each action. (Example: Inviting Insurance spokesmen to speak at a community event to explain that insurance may be cheaper than most people think – this would cost the community nothing and would reach many people.)
- **Ease of implementation** – takes into account the ease of completing a goal in a short time and at little financial cost, but still reaching a large number of people. (Example: Providing hazard education through the media and other documents.)
- **Multi-objective actions** – takes into account that some mitigation actions may achieve more than one community goal. (Example: A flood buyout of a property will ensure that there will be no more cost associated with damage to that property, but it could also allow the city to build a park or open-space in its place.)
- **Time** – takes into account that some projects could be completed quickly, whereas others may take years to finish. (Example: Community education on in-place sheltering during tornadoes could be completed much more quickly than building a safe room.)
- **Post-disaster mitigation** – Takes into account that funding, political, and social considerations may change considerably following a disaster. (Example: Funding becoming available for flood buy-outs following a large rainstorm causing flooding and damage to property. (Adapted from Springfield-Greene County Hazard Mitigation Plan Update – FEMA approved 2009))

The Harry S Truman Coordinating Council Area Hazard Mitigation Committee sought a logical method to review and rank mitigation strategies throughout Newton County. The Committee requested each entity to define its own actions. To assist with this, the committee, via email came up with a suggested ideas list for the different entities to look at as they develop their own action plan. They must each rule out what was not financially feasible or not applicable to them and add other actions that they felt were of value.

The suggested list is as follows with the following instructions. Each entity was to review their needs within the community. Then look at the list and rule out all actions not financially feasible or not applicable to their needs. They were then to add to their list all other ideas that came from their public hearings and council meetings that would work for them.

Action ID	Action	Priority H, M, L	STAPLEE Score	Goals	Hazard Addressed
County-1	NFIP – Continue Compliance				Flood
County-2	Habitable building Buyout				Flood
County-3	Active Building Code Enforcement				All
County-4	Educate Public on the Impacts of Major Disease Outbreak				Disease
County-5	Inclusion of Tornado saferooms in all Future Buildings Built by County				Tornado
County-6	All-Hazards education for Mitigation, Preparedness, Response & Recovery				All
County-7	Educate the Impacts of Lightning				Lightning
County-8	Low-water Crossing elimination				Flood
County-9	Floodwarning system Implementation				Flood
County-10	Additional outdoor warning sirens				Wind/Tornado
County-11	Promote private insurance				All
County-12	Promote crop insurance				Drought/Flood
County-13	Reverse 911				All
Multi-1	floodproof buildings				Flood
Multi-2	Saferooms in Private Schools				Tornado
Multi-3	Continue training Responders to Hazardous & Radiological Material spills				Manmade
Multi-4	Increase public & fire dept training on wild and interface fires				Wildfire
Multi-5	Increase homeowner education on wildfire mitigation in wildland-urban interface				Wildfire
Multi-6	Reduce hazardous fuels in prioritized wildfire risk area				Manmade

Action ID	Action	Priority H, M, L	STAPLEE Score	Goals	Hazard Addressed
City-1	NFIP - Continue Compliance				All
City-2	Saferoom				Tornado
City-3	Portable Electric Generators				Tornado/Ice
City-4	Storm Siren Expansion				Wind/Torn
City-5	Stormwater Study				Flood
City-6	Public Education of Businesses, homeowners, and residents				All
City-7	flood control projects and stormwater upgrades				Flood
City-8	Emergency Power Backup for City Hall				Tornado/Ice
City-9	Flood buyout for --=				Flood
City-10	Saferoom for trailer park				Tornado
City-11	Active Code enforcement				Flood

Action ID	Action	Priority H, M, L	STAPLEE Score	Goals	Hazard Addressed
School System-1	Saferoom for each location				Tornado
School System-2	Educate students and parents of hazards with informational flyers				All
School System-3	Backup generator for central office and shelters				Tornado/Ice
School System-4	Increase awareness of students and teachers with campus drills and training				All

After making a list each was to do a detail sheet with specifics on how each would be done. Here is the copy of the example that was sent out.

example

Jasper County-1	NFIP - Continue Compliance
Issue/Background	Current Minimum federal requirements allow fill in the floodplain and rising of the water surface elevation
Plan for Implementation and Administration	Restrict/Eliminate development in the existing floodplain and acquire land in necessary
Lead Agency	Jasper County Public Works
Partners	None
Funding Description	State and Federal Agencies
Total Cost	unknown
Benefits (Losses Avoided)	Minimize potential for the creation of future flooding problems, improve water quality, and improve the environment
Completion Date	Ongoing

To assess the value of each action, each entity was also told to score their actions with STAPLEE, keeping all costs and benefits in mind. The STAPLEE score sheets are in the appendix M. Actions need a benefit-cost review, so the committee decided that using STAPLEE would be the best way to assist each entity in doing this review. With STAPLEE, the feasibility of mitigation actions was considered in light of the social, technical, administrative, political, legal, economic and environmental characteristics, capabilities and issues in a community. Each entity was told to score keeping cost benefit in mind. Most entities expressed that their main concern as they scored their actions was the economic viability of the action. Could they afford to do it?

The STAPLEE evaluation did not apply priority or weight to a proposed mitigation action; however, benefit-cost review was emphasized during the prioritizing process along with feasibility and each community's capabilities as outlined previously in this Plan and was ranked in a way to maximize benefits within this scope. Sometimes a high number would be moved down on the priority because of costs, or other issues. High-priority actions are those for which finances, manpower, and political support, are readily available to accomplish the actions and for those that have an impact on a large amount of people. Cost-effectiveness will be considered an additional detail when seeking FEMA mitigation grant funding for eligible projects identified in this plan. Overall, this method demonstrates that actions were considered based on costs and benefits by each entity, making this plan useful and unique to each community, while maintaining simplicity and focusing primarily on every community's needs and values. (Per FEMA 386-5 pg. 13)

To implement the actions outlined in this mitigation plan, each entity should strive to include their respected actions in other planning documents and processes such as their emergency plans, SOPs, EOPs, etc.

Action ID	Action (see details later in plan for each action)	Priority H, M, L	STAPLEE Score	Goals	Hazard Addressed	Protect Current or Future Building
Dennis Acres-1	Promote Reverse - 911 to residents	H	69	4.1	All	Neither
Dennis Acres-2	Hazard Information Flyers	H	66	4.1	All	Both
Diamond1	Adopt new floodplain ordinance to meet FEMA requirements	H	48	1.1	Flood	Both
Diamond2	Apply for grant funding for a safe room/shelter for Diamond residents.	H	48	3.1, 3.4	Tornado	Neither
Diamond3	Apply for grant funding for a backup power source to operate the water system.	H	69	3.3	All	Both
Diamond4	Apply for grant funding for a backup power source to operate city hall/police department	H	61	3.3	All	Neither
Diamond5	Public Education of Businesses, homeowners, and residents though continued dispersement of pamphlets and web site.	M	52	4.1	Tornado	Both

Diamond6	All-Hazards education for Mitigation, Preparedness, Response & Recovery	M	58	4.1	All	Both
Diamond7	Storm Siren Expansion	M	69	3.4	Tornado	Neither
Diamond8	Portable Electric Generators	M	69	3.3	All	Neither
Diamond9	Expanded training for all city departments in regards to emergency management.	M	69	1.2	All	Neither
Diamond10	Increase training with students and teachers using campus drills and training	M	69	1.2, 4.1	All	Neither
Fairview-1	Stormwater Improvement on Streets	H	55	3.3	Flood	Both
Fairview-2	Do Fire Safety Checks	H	57	3.3	Fire	Both
Fairview-3	Weather flyers	M	37	4.1	Heatwave, Winter, Tornado, Wind	Neither
Fairview-4	Promote the purchase of insurance	M	33	4.2	all	Both
Granby 1	Adopt new floodplain ordinance to meet FEMA requirements	H	48	1.1	Flood	Both
Granby 2	Apply for grant funding for a safe room/shelter for Granby residents.	H	48	3.1	Tornado	Neither
Granby 3	Apply for grant funding for a backup power source to operate the water system.	H	69	3.3	All	Both
Granby 4	Public Education of Businesses, homeowners, and residents though continued disbursement of pamphlets.	M	52	4.1	Tornado	Both
Granby 5	All-Hazards education for Mitigation, Preparedness, Response & Recovery	M	58	4.1	All	Both
Granby 6	Storm Siren Expansion	M	69	3.4	Tornado	Neither
Granby 7	Expanded training for all city departments in regards to emergency management.	M	69	1.2	All	Neither
Granby 8	Increase training with students and teachers using campus drills and training	M	69	1.2, 4.1	All	Neither
Joplin-1	NFIP – Continue Compliance by enforcing ordinance	H	59	2.1, 2.2, 2.3	Flood	Both
Joplin-2	Develop and adopt a "no-rise (in base flood elevation)" clause for the City's Floodplain Ordinances	M	54	1.1	Flood	Both
Joplin-3	Inventory of Joplin emergency response services	L	48	1.3	Response capabilities	Neither
Joplin-4	Educate Public on the Impacts of Major Disease Outbreak	L	45	4.1	Disease	Neither
Joplin-5	Promote community shelters in existing manufactured/mobile home parks	L	48	4.1	Tornado	Neither
Joplin-6	All-Hazards education for Mitigation, Preparedness, Response & Recovery	M	51	4.1	All	Both
Joplin-7	Educate the Impacts of Severe Weather	M	53	4.1	Flood, Hail, Lightning	Both
Joplin-8	Increase Warning System coverage to the most feasible extent	H	57	3.4	Wind/Tornado	Neither
Joplin-9	Reverse 911	H	55	1.2	All	Neither
Leawood- 1	NFIP - Review and Join	H	58	1.1	Flood	Both
Leawood -2	Building Code Revision	H	57	2.3	All	Both
Leawood -3	Add All-Hazards education for Mitigation, Preparedness, Response & Recovery Information to Webpage	H	42	4.1	All	Both
Leawood - 4	Apply for grant funding for storm siren for Southern Hills	H	48	3.1	Wind, Tornado	Neither
Leawood - 5	Promote Basement Sharing for Tornado Warnings	H	35	3.4	Wind, Tornado	Neither

Leawood - 6	Promote Reverse - 911 and Weather Radios to residents	H	49	4.1	All	Neither
Leawood - 7	Revise Emergency Operations Plan	H	41	1.2	All	Neither
Leawood - 8	Do NIMS training and coordinate with area agencies	H	41	1.2	All	Neither
Loma Linda-1	Active Building Code Enforcement	H	69	2.3	All	Both
Loma Linda-2	All-Hazards education for Mitigation and Preparedness	H	69	4.1	All	Both
Loma Linda-3	Put warning signs at Low Water Bridge and Cones out during floods	H	69	4.1	Flood	Neither
Loma Linda-4	Promote Reverse - 911 and NOAA Radios	H	69	4.1	All	Neither
Loma Linda-5	Obtain Emergency Generator Backup	H	69	3.3	Winter, Tornado	Neither
Neosho-1	Active Code Enforcement of floodplain regulations	H	41	1.1, 2.1	Flood	Both
Neosho-2	Adopt required revision of floodplain ordinance to comply with FEMA standards	H	41	1.1, 2.1	Flood	Both
Neosho-3	Active Building Code Enforcement	H	41	2.3	All	Both
Neosho-4	Seek Funding for Stormwater Master Planning and structural upgrades and mitigation projects	H	55	1.1-3, 2.1-3, 3.2	Flood	Both
Neosho-5	Present Stream Buffer Ordinance for Adoption by City Council	M	48	1.1, 2.1	Flood	Both
Neosho-6	Encourage plans and drills for private dwellings and public facilities.	L	44	1.3, 4.1	Storms	Neither
Neosho-7	Promote weather warning awareness	L	44	3.3, 4.1	Storms	Both
Neosho-8	First Responder training	M	45	1.2	All	Neither
Newton County 1	Continue compliance with NFIP and floodplain management by adopting new ordinance	H	61	1.1, 2.1, 2.2	Flood	Both
Newton County 2	Habitable building Buyout	H	43	1.1, 3.2	Flood	Neither
Newton County 3	Reverse 911	H	54	1.2, 4.1	All	Neither
Newton County 4	All-Hazards education for Mitigation, Preparedness, Response & Recovery	H	46	1.2, 4.1	All	Both
Newton County 5	Educate the Impacts of Lightning	M	44	3.3, 4.1	Lightning	Both
Newton County 6	Low-water Crossing elimination	M	47	1.1	Flood	Neither
Newton County 7	Additional outdoor warning sirens	M	45	4.1	Wind/Tornado	Neither
Newton County 8	Promote crop insurance	L	41	3.2, 3.3	All	Neither
Newton County 9	Educate the public on the impacts of a major disease outbreak	M	44	3.3, 4.1	All	Neither
Newtonia - 1	Adopt new floodplain ordinance to meet FEMA requirements	H	59	1.1	Flood	Both
Newtonia - 2	Promote the use of NOAA Weather Radio	H	34	4.1	All	Neither
Newtonia - 3	Reverse 911	H	39	4.1	All	Neither
Newtonia - 4	provide generators for community Building & church shelter.	H	50	3.3	Wind/Ice	Neither

Newtonia - 5	weather flyers	H	37	4.1	all	Both
Newtonia - 6	Support the coordination of interagency debris removal	H	40	1.2	Wind/Ice	Neither
Newtonia - 7	Plan checking on homebound or injured	H	37	1.2	All	Neither
Redings Mill-1	Revise and adopt new Floodplain Ordinance to meet new FEMA requirements	H	60	1.1, 2.1, 2.2	Flood	Both
Redings Mill-2	Apply for grant funding for a backup power source to operate the water system.	H	60	3.1, 3.3	Fire	Both
Redings Mill-3	Apply for funding to construct a saferoom	H	61	3.1, 3.4	Wind, Tornado	Neither
Redings Mill-4	Continue with Drainage Improvements	H	60	1.1, 3.2	Flood	Both
Redings Mill-5	Promote Weather Radios	H	67	4.1	All Weather	Neither
Ritchey - 1	Public Education of Businesses, homeowners, and residents	M	47	4.1	All	Both
Ritchey - 2	Encourage Participation of reverse-911 and weather radios	H	47	4.1	Tornado	Neither
Saginaw-1	NFIP –Adopt new ordinance to meet FEMA requirements	H	48	1.1, 2.1, 2.2	Flood	Both
Saginaw-2	Streambed Cleanup	M	44	3.2	Flood	Current
Saginaw-3	Develop Emergency Management Plan	L	44	1.2	All	Neither
Seneca 1	Continue compliance with NFIP and floodplain management by enforcing ordinance	H	58	1.1, 2.1, 2.2	Flood	Both
Seneca 2	Habitable building Buyout	H	43	1.2, 3.2	Flood	Both
Seneca 3	Reverse 911	H	50	1.2, 4.1	All	Neither
Seneca 4	All-Hazards education for Mitigation, Preparedness, Response & Recovery	H	46	1.2, 4.1	All	Both
Seneca 5	Educate the Impacts of Lightning	M	44	3.3, 4.1	Lightning	Both
Seneca 6	Low-water Crossing elimination	M	47	1.1	Flood	Neither
Seneca 7	Additional outdoor warning sirens	M	45	4.1	Wind/Tornado	Neither
Seneca 8	Educate the public on the impacts of a major disease outbreak	M	44	3.3, 4.1	All	Neither
Silver Creek-1	NFIP - Join	H	69	1.1	Flood	Both
Silver Creek -2	Active Building Code Enforcement	H	67	2.3	All	Both
Silver Creek -3	All-Hazards education for Mitigation, Preparedness, Response & Recovery	H	69	4.1	All	Both
Silver Creek - 4	Put warning signs at Low Water Bridge	H	69	3.2	Flood	Neither
Silver Creek - 5	Apply for grant funding for storm siren for east side	H	69	3.1, 4.1	Wind, Tornado	Neither
Silver Creek - 6	Promote Basement Sharing for Tornado Warnings	H	69	4.1	Wind, Tornado	Neither
Silver Creek - 7	Promote Reverse - 911 to residents	H	69	4.1	All	Neither
Silver Creek - 8	Obtain Emergency Generator Backup	H	69	3.3	Winter, Tornado	Neither
Silver Creek - 9	Obtain Emergency Communication System	H	69	3.3	All	Neither
Stark City-1	Develop Emergency Management Plan	H	53	1.2	All	Neither
Stark City-2	NIMS Training	H	45	1.2	All	Neither
Stark City-3	Promote Reverse 911	M	48	4.1	All	Neither

Stark City-4	Distribute Hazard Flyers	M	36	4.1	All	Both
Stella-1	Establish a Village of Stella Emergency Management Team	H	69	1.2	All	Neither
Stella-2	Fix drainage Ditches for erosion control	H	69	3.2	Flood	Neither
Stella-3	Continue to develop Indian Creek for Bank Stabilization and Beautification	H	63	3.2	Flood	Neither
Stella-4	Educate the public of hazards with informational flyers	H	69	4.1	All	Both
Stella-5	Promote public on NOAA weather radios and Reverse 911	H	69	4.1	All	Neither
Stella-6	Obtain a generator for powering Saferoom	H	66	3.3	Tornado, Wind	Neither
Wentworth-1	Adopt FEMA Floodplain Program by ordinance	H	48	1.1	Flood	Both
Wentworth-2	Do a Stormwater project to reduce Flooding	H	44	3.2	Flood	Both
Wentworth-3	Develop Emergency Management Plan	H	46	1.2	All	Neither
Wentworth-4	Enforce Building Codes on Mobile Homes	H	45	1.2	Wind, Fire	Current
Wentworth-5	Promote NOAA weather radios and Reverse 911	H	48	4.1	All	Neither
Wentworth-6	Provide informational flyers on weather hazards	M	36	4.1	Heatwave, Flood, Severe Winter Weather	Both
Diamond School-1	Safe spot for each location	H	49	1.2, 3.3, 3.4	Tornado	Neither
Diamond School-2	Educate students and parents of hazards with informational flyers	M	48	4.1	All	Both
Diamond School-3	Increase awareness of students and teachers with campus drills and training	H	48	1.2, 4.1	All	Neither
East Newton School District-1	Safe-room for each location	H	64	3.3, 3.4	Tornado	Neither
East Newton School District-2	Educate students and parents of hazards with informational flyers	M	61	4.1	All	Both
East Newton School District-3	Increase awareness of students and teachers with campus drills and training	H	66	1.2, 4.1	All	Neither
East Newton School District-4	Educate staff and students on Shelter-in-Place procedures	H	63	1.2, 4.1	Haz-Mat	Neither
East Newton School District-5	Educate staff and students on Building Evacuation procedures	H	67	1.2, 4.1	Fire	Neither
East Newton School District-6	Educate staff and students on Lock-down procedures	H	67	1.2, 4.1	Manmade	Neither
East Newton School District-7	Educate staff on Bomb Threat Assessment and Response	M	66	1.2	Manmade	Neither
East Newton School District-8	An Emergency Response Team made up of school staff members for each location	M	63	1.2	All	Neither

Joplin School District-1	Safe-room for each location	H	65	3.3, 3.4	Tornado	Neither
Joplin School District-2	Educate students and parents of hazards with informational flyers	M	62	4.1	All	Both
Joplin School District-3	Increase awareness of students and teachers with campus drills and training	H	67	1.2, 4.1	All	Neither
Joplin School District-4	Educate staff and students on Shelter-in-Place procedures	H	64	1.2, 4.1	Haz-Mat	Neither
Joplin School District-5	Educate staff and students on Building Evacuation procedures	H	67	1.2, 4.1	Fire	Neither
Joplin School District-6	Educate staff and students on Lock-down procedures	H	67	1.2, 4.1	Manmade	Neither
Joplin School District-7	Educate staff on Bomb Threat Assessment and Response	M	65	1.2	Manmade	Neither
Joplin School District-8	An Emergency Response Team made up of school staff members for each location	M	63	1.2	All	Neither
Neosho School District -1	Safe-room for each location	H	65	3.3, 3.4	Tornado	Neither
Neosho School District -2	Educate students and parents of hazards with informational flyers	M	62	4.1	All	Both
Neosho School District -3	Increase awareness of students and teachers with campus drills and training	H	67	1.2, 4.1	All	Neither
Neosho School District -4	Educate staff and students on Shelter-in-Place procedures	H	64	1.2, 4.1	Haz-Mat	Neither
Neosho School District -5	Educate staff and students on Building Evacuation procedures	H	67	1.2, 4.1	Fire	Neither
Neosho School District -6	Educate staff and students on Lock-down procedures	H	67	1.2, 4.1	Manmade	Neither
Neosho School District -7	Educate staff on Bomb Threat Assessment and Response	M	65	1.2	Manmade	Neither
Neosho School District -8	An Emergency Response Team made up of school staff members for each location	M	63	1.2	All	Neither
Seneca School District-1	Safe room/tornado shelter built	H	67	3.3, 3.4	Tornado/Fire	Neither
Seneca School District -2	Increase awareness of students and teachers with campus drills and training	H	67	1.2, 4.1	All	Both
Seneca School District-3	Educate staff and students on Shelter-in-Place procedures	H	64	1.2, 4.1	Haz-Mat	Neither
Seneca School District -4	Educate staff and students on Building Evacuation procedures	H	67	1.2, 4.1	Fire	Neither
Seneca School -5	Educate staff and students on Lock-down procedures	H	67	1.2, 4.1	Manmade	Neither

Seneca School District -6	Educate staff on Bomb Threat Assessment and Response	M	65	1.2	Manmade	Neither
Seneca School District-7	An Emergency Response Team made up of school staff members for each location	M	63	1.2	All	Neither
Westview School District-1	Educate staff and students on Building Evacuation procedures	M	55	1.2, 4.1	Fire	Neither
Westview School District-2	Educate students and parents of hazards with informational flyers	H	59	4.1	All	Both
Westview School District-3	Increase awareness of students and teachers with campus drills and training	H	59	1.2, 4.1	All	Neither
Westview School District-4	Educate staff and students on Lock-down procedures	H	64	1.2, 4.1	Manmade	Neither
Westview School District-5	An Emergency Response Team made up of school staff members for each location	H	62	1.2	All	Neither
Westview School District-6	Apply for funding to incorporate a safe room in the school building	M	65	3.1, 3.3, 3.4	All	Neither
Crowder College - 1	All-Hazards education for Mitigation, Preparedness, Response & Recovery	L	51	4.1	All	Both
Crowder College - 2	Additional outdoor warning sirens	M	52	3.3, 4.1	Wind/Tornado	Neither
Crowder College - 3	Saferoom for each location	M	52	3.3, 3.4	Tornado	Neither
Crowder College - 4	Backup generator for dorms, classrooms, and offices	H	55	1.2, 3.3	Tornado/Ice	Neither
Crowder College - 5	Increase awareness of students and teachers with campus drills and training	L	51	4.1	All	Neither
Crowder College - 6	Educate staff and students on Lock-down procedures	M	52	4.1	Manmade	Neither
Crowder College - 7	Revise and update hazard planning and training on a continual basis	L	50	1.2	All	Neither
Crowder College - 8	Create an emergency response team for each location	H	54	1.2	All	Neither

Action ID	Action
Dennis Acres-1	Promote Reverse - 911 And NOAA radios to residents
Issue/Background	Various Hazards Can be communicated by phone to all residents through dispatch and Weather Radios can also inform of weather hazards
Plan for Implementation and Administration	Send out flyers with information regarding availability and contact information
Lead Agency	Dennis Acres Board of Trustees (no employees)
Partners	Newton County
Funding Description	Local Agency
Total Cost	Minimal- sent to only 28 houses
Benefits (Losses Avoided)	Minimizes the number of injuries and deaths
Completion Date	Ongoing
Dennis Acres - 2	Public Education of Businesses & Residents with a flyer

Issue/Background	Keeping the Public informed on Hazards and Prevention and Mitigation inc. promotion of Insurance
Plan for Implementation and Administration	Send out a timely flyers with information regarding Hazards and Mitigation
Lead Agency	Dennis Acres Board of Trustees
Partners	HSTCC will provide hazard information
Funding Description	Local Agency
Total Cost	Minimal cost for copies and stamps
Benefits (Losses Avoided)	Minimizes the amount of damages and deaths
Completion Date	Ongoing
Diamond-1	Adopt new floodplain ordinance to meet FEMA requirements
Issue/Background	flood insurance needs to be available to residents
Plan for Implementation and Administration	Adopt ordinance by council
Lead Agency	City of Diamond Clerk
Partners	none
Funding Description	State and Federal Agencies
Total Cost	\$100
Benefits (Losses Avoided)	Make insurance available to residents
Completion Date	March 2011
Diamond-2	Grant funding application for shelter
Issue/Background	The City of Diamond is currently without storm shelter capabilities.
Plan for Implementation and Administration	Apply for funding to construct a suitable structure that will safely accommodate Diamond residents
Lead Agency	City of Diamond Police Chief
Partners	FEMA
Funding Description	State and Federal Agencies
Total Cost	\$250,000
Benefits (Losses Avoided)	Minimize the loss of life during critical weather conditions
Completion Date	April 2013
Diamond-3	Grant funding application for water tower power source
Issue/Background	The City of Diamond is currently without any back up power to operate our water well if land line power was lost
Plan for Implementation and Administration	Apply for funding for a stationary generator to power water pumps at the city's well
Lead Agency	City of Diamond Water Superintendant
Partners	Unknown- possibly purchase used from State
Funding Description	State and Federal Agencies

Total Cost	\$10,000
Benefits (Losses Avoided)	Allow clean water for drinking, bathing, cooking, and fire control when electric is not available.
Completion Date	December 2013
Diamond-4	back up power source at city hall/police department
Issue/Background	The City of Diamond is currently without any back up power to allow for continued operations of government facilities if land line power was lost
Plan for Implementation and Administration	Purchase stationary generator to power primary systems such as heating, phones, and computer systems at city hall
Lead Agency	City of Diamond Mayor
Partners	none
Funding Description	State and Federal Agencies
Total Cost	\$4,500
Benefits (Losses Avoided)	Allow city hall and police to continue operating phone systems to communicate with residents, allow for a location for a warming shelter during winter weather events, and allow police records management to be accessible during outages.
Completion Date	December 2011
Diamond-5	Public awareness
Issue/Background	The City of Diamond currently addresses public awareness relating to emergency and current event situations through posts on our city newsletter which is printed and dispersed monthly to residents
Plan for Implementation and Administration	Continue with current process and increased exposure to residents of our city
Lead Agency	Diamond Police Department
Partners	none
Funding Description	Local funding
Total Cost	\$400-\$1200 annually
Benefits (Losses Avoided)	Keeps residents posted to new ideas and suggestions regarding safety and planning during emergency situations.
Completion Date	Ongoing
Diamond-6	Hazard education
Issue/Background	The City of Diamond currently has the minimum training relating to limited hazards
Plan for Implementation and Administration	Increased participation in training areas relating to all forms of hazards
Lead Agency	Diamond Police Department
Partners	none
Funding Description	State and Federal Agencies

Total Cost	Varies by training source
Benefits (Losses Avoided)	Will allow for more knowledgeable and prepared responses to hazardous events
Completion Date	Ongoing
Diamond-7	Storm siren expansion
Issue/Background	The City of Diamond currently operates three tornado sirens, however due to the geographical layout of our city, another siren is needed in the southeastern and south most part of town
Plan for Implementation and Administration	Apply for funding for tornado siren
Lead Agency	City of Diamond Police Dept
Partners	none
Funding Description	State and Federal Agencies
Total Cost	\$4500
Benefits (Losses Avoided)	Will expand the range of our current siren system and give advanced warning to more residents
Completion Date	December 2011
Diamond-8	Portable generators
Issue/Background	The City of Diamond public works has no mobile power source to operate equipment and/or pumps to assist during an emergency event or post disaster cleanup
Plan for Implementation and Administration	Apply for funding for two or more mobile or truck mounted generators
Lead Agency	Diamond Public Works
Partners	none
Funding Description	State and Federal Agencies
Total Cost	\$1000
Benefits (Losses Avoided)	Would allow for city workers to assist during and after emergencies with power sources for such things as work lights, power tools, and water pumps
Completion Date	January 2012
Diamond-9	Expanded training
Issue/Background	The City of Diamond currently has the minimum training relating to hazards and only training provided to law enforcement rather than city wide involvement.
Plan for Implementation and Administration	Encourage participation from city government, street department, and fire department to attend training in hazard preparedness
Lead Agency	Diamond Police Department
Partners	none
Funding Description	State and Federal Agencies

Total Cost	Varies by training source
Benefits (Losses Avoided)	Will allow for stronger resources and better mutual aid in the event of a hazardous event
Completion Date	Ongoing
Diamond-10	School training
Issue/Background	The City of Diamond and the Diamond elementary have minimal training with working together in the event of a school hours emergency
Plan for Implementation and Administration	Increased relations with school administration leading to more involvement with school drills and idea sharing
Lead Agency	Diamond Police Department
Partners	School district
Funding Description	N/A
Total Cost	Unknown- part job description for all involved
Benefits (Losses Avoided)	Will increase the preparedness and establish protocols when there is a school related emergency (manmade or natural)
Completion Date	Ongoing
Fairview-1	Stormwater Improvement on streets
Issue/Background	Stormwater has decimated streets
Plan for Implementation and Administration	Get assistance from National Guard or other organization to ditch and grade to eliminate damages to streets in future
Lead Agency	City of Fairview Mayor
Partners	National Guard
Funding Description	Local Agency
Total Cost	rock and culverts
Benefits (Losses Avoided)	Minimize flooding issues, erosion, and stormwater runoff
Completion Date	June 2012
Fairview-2	Fire Checks at Residential Homes
Issue/Background	High weeds and flammables around houses
Plan for Implementation and Administration	Work with Fire Department to visit interested residents and do a fire hazard inspection to eliminate hazards and reduce risk
Lead Agency	City of Fairview Mayor
Partners	Fire Department
Funding Description	Local Agency
Total Cost	None
Benefits (Losses Avoided)	Minimize the Fire Risks to Housing
Completion Date	Ongoing- yearly
Fairview-3	weather flyers

Issue/Background	Residents need information about various weather issues and resources
Plan for Implementation and Administration	Provide Basic information on weather related issues
Lead Agency	City of Fairview Clerk
Partners	HSTCC
Funding Description	General Fund
Total Cost	Unknown- minimal for copies
Benefits (Losses Avoided)	Prevent injury and death due to advance knowledge dealing with weather issues
Completion Date	ongoing
Fairview-4	Promote Private Insurance
Issue/Background	Insurance Coverage on privately owned buildings and property
Plan for Implementation and Administration	Place information regarding the NFIP and the need for private insurance in the Quarterly Newsletter
Lead Agency	City of Fairview clerk & mayor
Partners	none
Funding Description	Local Agency
Total Cost	Unknown- minimal as it is part of newsletter
Benefits (Losses Avoided)	Minimize the trauma a disaster can have on the community by relieving the stress of loss
Completion Date	Ongoing
Granby-1	Adopt new floodplain ordinance to meet FEMA requirements
Issue/Background	Current Minimum federal requirements allow fill in the floodplain and rising of the water surface elevation
Plan for Implementation and Administration	Restrict/Eliminate development in the existing floodplain and acquire land in necessary
Lead Agency	City of Granby Board
Partners	none
Funding Description	none
Total Cost	None yet
Benefits (Losses Avoided)	Minimize potential for the creation of future flooding problems, improve water quality, and improve the environment
Completion Date	December 2010
Granby-2	Grant funding application for shelter
Issue/Background	The City of Granby is currently without storm shelter capabilities.
Plan for Implementation and Administration	Apply for funding to construct a suitable structure that will safely accommodate Granby residents
Lead Agency	City of Granby Clerk
Partners	FEMA
Funding Description	State and Federal Agencies and general fund

Total Cost	\$500,000
Benefits (Losses Avoided)	Minimize the loss of life during critical weather conditions
Completion Date	December 2014
Granby-3	Grant funding application for water tower power source
Issue/Background	The City of Granby is currently without any back up power to operate the water well located on Bacon Ridge if land line power was lost
Plan for Implementation and Administration	Apply for funding for a stationary generator to power water pumps at the city's well
Lead Agency	City of Granby Utility Department
Partners	Water fund
Funding Description	State and Federal Agencies
Total Cost	\$20,000
Benefits (Losses Avoided)	Allow clean water for drinking, bathing, cooking, and fire control when electric is not available.
Completion Date	December 2013
Granby-4	Public awareness
Issue/Background	The City of Granby currently addresses public awareness relating to emergency situations in stuffers sent with the utility bills
Plan for Implementation and Administration	Continue with current process and increased exposure to residents of our city
Lead Agency	Granby Fire Department
Partners	none
Funding Description	General Fund
Total Cost	\$100
Benefits (Losses Avoided)	Keeps residents posted to new ideas and suggestions regarding safety and planning during emergency situations.
Completion Date	Ongoing
Granby-5	Hazard education
Issue/Background	The City of Granby currently has the minimum training relating to limited hazards
Plan for Implementation and Administration	Increased participation in training areas relating to all forms of hazards
Lead Agency	Granby Fire Department
Partners	Granby Police Department
Funding Description	State and Federal Agencies
Total Cost	Varies by training source
Benefits (Losses Avoided)	Will allow for more knowledgeable and prepared responses to hazardous events
Completion Date	Ongoing

Granby-6	Storm siren expansion
Issue/Background	The City of Granby currently operates three tornado sirens, however due to the geographical layout of our city, another siren is needed in the Southeastern part of town
Plan for Implementation and Administration	Apply for funding for tornado siren
Lead Agency	Granby Fire Department
Partners	Unknown – will do study
Funding Description	State and Federal Agencies
Total Cost	Unknown- need to do further study
Benefits (Losses Avoided)	Will expand the range of our current siren system and give advanced warning to more residents
Completion Date	April 2013
Granby-7	Expanded training
Issue/Background	The City of Granby currently has the minimum training relating to hazards and only training provided to law enforcement rather than city wide involvement.
Plan for Implementation and Administration	Encourage participation from city government, street department, police department and fire department to attend training in hazard preparedness
Lead Agency	Granby Fire Department
Partners	Granby Police and City Utility Departments
Funding Description	State and Federal Agencies
Total Cost	Varies by training source
Benefits (Losses Avoided)	Will allow for stronger resources and better mutual aid in the event of a hazardous event
Completion Date	Ongoing- as classes become available
Granby-8	School training
Issue/Background	The City of Granby and the Granby elementary have minimal training with working together in the event of a school hours emergency
Plan for Implementation and Administration	Increased relations with school administration leading to more involvement with school drills and idea sharing
Lead Agency	Granby Fire Department
Partners	Granby Police Department and East Newton School District
Funding Description	Police funds
Total Cost	No additional costs as it is part of regular police hours
Benefits (Losses Avoided)	Will increase the preparedness and establish protocols when there is a school related emergency (manmade or natural)
Completion Date	Ongoing

Joplin-1	NFIP - Continue Compliance
Issue/Background	Current Minimum federal requirements allow fill in the floodplain and rising of the water surface elevation
Plan for Implementation and Administration	Restrict/Eliminate development in the existing floodplain and acquire land in necessary
Lead Agency	Joplin City Public Works
Partners	Harry S Truman Coordinating Council
Funding Description	State and Federal Agencies via Joplin Street Funds
Total Cost	Est \$25000 plus cost of land
Benefits (Losses Avoided)	Minimize potential for the creation of future flooding problems, improve water quality, and improve the environment
Completion Date	Complete some buyouts each year
Joplin-2	Develop and adopt a "no-rise (in base flood elevation)" clause for the City's Floodplain Ordinances
Issue/Background	Needed to enhance Floodplain Ordinances
Plan for Implementation and Administration	Currently adopted and revised, pending approval
Lead Agency	Joplin City PW Department
Partners	FEMA and HSTCC
Funding Description	State and Federal Agencies and Street Funds
Total Cost	Est \$5000 Labor
Benefits (Losses Avoided)	Establishes a max limit to flood rise
Completion Date	December 2011
Joplin-3	Inventory Joplin Emergency Response Services
Issue/Background	No one service has sufficient resources for every need
Plan for Implementation and Administration	Inventory resources each year prior to September 01
Lead Agency	Joplin Emergency Management
Partners	none
Funding Description	State and Federal Agencies
Total Cost	Unknown Federal cost, local cost est is \$1500
Benefits (Losses Avoided)	Avoid duplication and unnecessary expenditures
Completion Date	Ongoing
Joplin-4	Educate public on impacts of Major Disease Outbreak
Issue/Background	Public does not understand impact of such an outbreak
Plan for Implementation and Administration	Use Medical Sub-Committee to advertise and educate
Lead Agency	Joplin City Public Health
Partners	Joplin/Jasper County Emergency Healthcare Coalition
Funding Description	State and Federal Agencies and Health Dept Funds
Total Cost	Est. \$500/year
Benefits (Losses Avoided)	Increased productivity during an outbreak due to prior planning

Completion Date	Ongoing
Joplin-5	Promote community shelters in existing manufactured/mobile home parks
Issue/Background	Most mobile home parks do not have a shelter
Plan for Implementation and Administration	consult with and advertise to park owners to promote use of shelters
Lead Agency	Joplin Emergency Management
Partners	FEMA recommendations
Funding Description	State and Federal Agencies and EMPG Funds
Total Cost	Est \$500/year
Benefits (Losses Avoided)	Decrease loss of life and injuries
Completion Date	Ongoing
Joplin-6	All-hazards Education for Mitigation, Preparedness, Response & Recovery
Issue/Background	Public is underprepared to react to disasters and their consequences
Plan for Implementation and Administration	Present a series of public education forums throughout the Joplin
Lead Agency	Joplin Emergency Management
Partners	FEMA / SEMA / NWS
Funding Description	State and Federal Agencies and EMPG Funding
Total Cost	\$1500 per year
Benefits (Losses Avoided)	Prepare the public to react to, recover from and mitigate disaster effects
Completion Date	Ongoing
Joplin-7	Educate the Public on the impacts of Severe Weather
Issue/Background	Public needs to understand the result of severe weather on their life's and property
Plan for Implementation and Administration	Continue Severe Weather classes, advertisement and handouts.
Lead Agency	Joplin Emergency Management
Partners	FEMA / SEMA / NWS
Funding Description	State and Federal Agencies and EMPG Funding
Total Cost	\$1500 per year
Benefits (Losses Avoided)	Decrease cost in lives and property thanks to proper planning
Completion Date	Ongoing
Joplin-8	Increase Warning System coverage to the most feasible extent
Issue/Background	As a Joplin, public is not well warned of danger from threats and incidents
Plan for Implementation and Administration	Promote the use of Weather Radios and Upgrade Sirens
Lead Agency	Joplin City Public Works
Partners	FEMA / SEMA / NWS
Funding Description	State and Federal Agencies and EM Funds
Total Cost	Est \$18000 per Siren

Benefits (Losses Avoided)	Provide sufficient warning time for sheltering and protection, reducing loss of life
Completion Date	Ongoing
Joplin-9	Reverse 911
Issue/Background	Do not have a good way to warn/advise those not served by Sirens
Plan for Implementation and Administration	Promote use of R911 in small communities and rural areas
Lead Agency	Joplin City Communications
Partners	Joplin EM / LEPC
Funding Description	State and Federal Agencies and LEPC Funding
Total Cost	\$1500/year
Benefits (Losses Avoided)	Improve/increase awareness of dangers, reduce loss of life and property
Completion Date	Ongoing
Leawood-1	NFIP - Join Program
Issue/Background	There is no Floodplain Ordinance in place
Plan for Implementation and Administration	Learn about NFIP program and adopt appropriate ordinance to enforce building out of floodprone areas
Lead Agency	Leawood Board/Mayor
Partners	none
Funding Description	State and Federal Agencies
Total Cost	\$100
Benefits (Losses Avoided)	Minimize potential for the creation of future flooding problems, improve water quality, and improve the environment
Completion Date	December 2012
Leawood - 2	Revise Code Enforcement Ordinance
Issue/Background	Code is several years old. Need to revise to reflect new standards of building
Plan for Implementation and Administration	Review current BOCA and IBC and adopt appropriate code for Village
Lead Agency	Leawood Board/Mayor
Partners	none
Funding Description	Local Agency
Total Cost	Unknown- costs of books
Benefits (Losses Avoided)	Minimize building hazards and minimize hazard damages to buildings
Completion Date	December 2011
Leawood - 3	Public Education added to Village Webpage
Issue/Background	Inform Public on Hazards and Prevention and Mitigation

Plan for Implementation and Administration	Add Information to Village Webpage
Lead Agency	Leawood Board/ mayor
Partners	none
Funding Description	Local Agency
Total Cost	none
Benefits (Losses Avoided)	Minimizes the amount of damages and deaths
Completion Date	December of 2010
Leawood - 4	Apply for grant funding for storm siren for east side
Issue/Background	Warning Sirens not heard in all parts of Village
Plan for Implementation and Administration	Apply for USDA or other funding for assistance
Lead Agency	Leawood Board/Mayor
Partners	USDA
Funding Description	Local Agency with assistance
Total Cost	\$5,000
Benefits (Losses Avoided)	Minimize deaths and injuries
Completion Date	Dec-13
Leawood - 5	Basement Sharing for Tornado Shelters
Issue/Background	There is no Saferoom for tornado shelters but there are several houses and buildings with basements
Plan for Implementation and Administration	Send out a Yearly Newsletter with information regarding Location of Basements available for sheltering
Lead Agency	Leawood Board/clerk
Partners	Residents
Funding Description	general
Total Cost	Unknown- minimal as it is a part of newsletter
Benefits (Losses Avoided)	Minimize deaths and injuries
Completion Date	Dec-13
Leawood - 6	Promote Reverse 911 and Weather Radios
Issue/Background	Various Hazards Can be communicated by phone and Weather Radio
Plan for Implementation and Administration	Put a promotion online about Reverse 911 and NOAA Radios
Lead Agency	Leawood Board/mayor
Partners	Newton County
Funding Description	None
Total Cost	none
Benefits (Losses Avoided)	Minimize deaths and injuries
Completion Date	When 911 available

Leawood - 7	Revise Emergency Operations Plan
Issue/Background	The Emergency Operations Plan is several years old and not current with contact information etc
Plan for Implementation and Administration	Have Board members and Fire Department review and make corrections
Lead Agency	Leawood Board
Partners	Fire Department
Funding Description	Local Agency
Total Cost	Unknown
Benefits (Losses Avoided)	Improve response and coordination with other agencies during emergencies
Completion Date	Dec 2012
Leawood - 8	Participate in NIMS training
Issue/Background	Board needs to understand emergency planning and coordination
Plan for Implementation and Administration	All new Board Members will take the online course to receive the NIMS Certificate.
Lead Agency	Leawood Board
Partners	none
Funding Description	Local Agency
Total Cost	none
Benefits (Losses Avoided)	Improve communications and coordination with other agencies during emergencies
Completion Date	Ongoing
Loma Linda - 1	Active Building Code Enforcement
Issue/Background	Code Violations regarding burning, building, stormwater, sediment and erosion, and other Codes
Plan for Implementation and Administration	Enforce Compliance of all Village Codes
Lead Agency	Loma Linda Board
Partners	none
Funding Description	Local Agency
Total Cost	Unknown
Benefits (Losses Avoided)	Minimize potential for stormwater issues , fire and environmental issues
Completion Date	Ongoing
Loma Linda - 2	Public Education by Newsletter and Handouts
Issue/Background	Keeping the Public informed on Hazards and Prevention and Mitigation
Plan for Implementation and Administration	Send out a Quarterly Newsletter with information regarding Hazards and Mitigation and have Handouts at Village office
Lead Agency	Loma Linda Clerk

Partners	none
Funding Description	Local Agency
Total Cost	Unknown- part of newsletter. And cost of copies for handouts- not that much
Benefits (Losses Avoided)	Minimizes the amount of damages and deaths
Completion Date	Ongoing
Loma Linda - 3	Warning signs at Low Water Bridge and barrier Cones during High Water
Issue/Background	Prevent deaths by drowning
Plan for Implementation and Administration	Have Turn around Signs at all Low Water crossings and Put Barriers Out to prevent residents from driving in Water
Lead Agency	Loma Linda Board
Partners	none
Funding Description	General funds
Total Cost	minimal
Benefits (Losses Avoided)	Minimizes the amount of damages and deaths
Completion Date	Ongoing
Loma Linda - 4	Promote Reverse - 911 and NOAA Radios to residents
Issue/Background	Various Hazards Can be communicated by phone and Radio
Plan for Implementation and Administration	Send out a Yearly Newsletter with information regarding availability and contact information
Lead Agency	Loma Linda Clerk
Partners	Newton County
Funding Description	Local Agency
Total Cost	Unknown
Completion Date	October, 2011
Loma Linda - 5	Obtain Electric Generator for Village Office
Issue/Background	Village cannot function during power outages
Plan for Implementation and Administration	Obtain a generator to power the Village office during outages so services can be provided for residents
Lead Agency	Loma Linda Board
Partners	none
Funding Description	Local Agency
Total Cost	Unknown- need to do research on costs
Benefits (Losses Avoided)	Have Power for Village offices during emergencies
Completion Date	December 2012
Neosho City-1	NFIP-Continue Compliance

Issue/Background	Active Code Enforcement for floodplain regulations
Plan for Implementation and Administration	Educate the public on reasons for code enforcement
Lead Agency	City of Neosho Code Enforcement/Building Inspector
Partners	FEMA
Funding Description	GENERAL
Total Cost	Enforcement is part of inspectors job description
Benefits (Losses Avoided)	Minimize potential for future flooding which could lead to loss of life and property
Completion Date	Ongoing
Neosho-2	NFIP-Floodplain Ordinance to comply with FEMA Standards
Issue/Background	Adopted required revision of floodplain ordinance to comply with FEMA standards
Plan for Implementation and Administration	Educate the public on FEMA standards for floodplain compliance-submit news release
Lead Agency	City of Neosho Code Enforcement/Building Inspector
Partners	Newton County, State, and Federal government
Funding Description	General funds
Total Cost	none
Benefits (Losses Avoided)	Minimize potential for loss of life and property
Completion Date	September 2011
Neosho City-3	Building Code Compliance
Issue/Background	Active Code Enforcement
Plan for Implementation and Administration	Educate the public on reasons for code enforcement
Lead Agency	City of Neosho Code Enforcement/Building Inspector
Partners	None
Funding Description	General funds
Total Cost	Unknown
Benefits (Losses Avoided)	Minimize the potential for property loss and life by enforcing building construction standards
Completion Date	Ongoing
Neosho-4	Stormwater Master Plans
Issue/Background	Seek funding for stormwater master planning and structural upgrades and mitigation projects
Plan for Implementation and Administration	Seek funding to assist with a master plan that describes capital needs and funding priorities to reduce impacts to life and property
Lead Agency	City of Neosho Public Works Director
Partners	County, State, Federal
Funding Description	City, County, State, Federal, Grants, Donation(s)- Capital Projects Funds
Total Cost	Unknown- no estimate as yet
Benefits (Losses Avoided)	Prioritize needed improvements to stormwater infrastructure for the city, avoid

	losses of life and property
Completion Date	December 2013
Neosho City-5	Stream Buffer Ordinance
Issue/Background	Adoption of stream buffer ordinance by City Council
Plan for Implementation and Administration	Promote adoption of ordinance to assist with a safe or green zone in and around streams and waterways
Lead Agency	City Manager of Neosho
Partners	N/A
Funding Description	none required
Total Cost	none required
Benefits (Losses Avoided)	Minimize the loss of life, property and potential impacts to environment
Completion Date	December 2011
Neosho-6	All Hazard Community Education
Issue/Background	Encourage plans and drills for private dwellings and public facilities
Plan for Implementation and Administration	Promote and educate the public in planning for natural and man-made hazards
Lead Agency	City of Neosho Fire Chief/ Emergency Manager
Partners	Newton County EOC, Newton County LEPC, State, Federal
Funding Description	City, County, State, Federal, Grants, Donations
Total Cost	No costs to city- flyers from other agencies
Benefits (Losses Avoided)	Promote life safety and protection of property
Completion Date	Ongoing
Neosho City-7	Promote Community Awareness
Issue/Background	Promote use of ways to improve community awareness
Plan for Implementation and Administration	Educate the public on the use of warning systems (Reverse 911, Nexile System, Outdoor Warning Sirens, Weather Alert Radios)- news releases
Lead Agency	City of Neosho Fire Chief/ Emergency Manager
Partners	Newton County EOC, Newton Co. LEPC, State, Federal
Funding Description	City, County, State, Federal, Grants
Total Cost	No costs to city
Benefits (Losses Avoided)	Minimize the loss of life and property through prevention and preparedness
Completion Date	Ongoing
Neosho City-8	First Responder Training
Issue/Background	Continue training responders to hazardous and radiological material spills
Plan for Implementation and Administration	Seek training for first responders through local, state and federal funding for first responders
Lead Agency	City of Neosho Fire Chief/ Emergency Manager
Partners	County, State, Federal, LEPC
Funding Description	City, County, State, Federal, LEPC
Total Cost	Unknown-born by other agencies

Benefits (Losses Avoided)	Minimize potential for loss of life and the protection of the environment
Completion Date	Ongoing as trainings come available
Newton County 1	Continue compliance with NFIP and floodplain management
Issue/Background	Newton County has many structures that were built in the floodplain prior to the County participating in the NFIP program
Plan for Implementation and Administration	Insure that all new or substantial improvement projects located in the floodplain are in accordance with the NFIP requirements
Lead Agency	Newton County Emergency Management (Floodplain Administrator)
Partners	None
Funding Description	General funds
Total Cost	\$100
Benefits (Losses Avoided)	Minimize potential for the creation of future flooding problems. Improve water quality and improve the environment
Completion Date	Ongoing
Newton County 2	Habitable building buyout
Issue/Background	Many buildings are located in the floodplain and are subject to flooding.
Plan for Implementation and Administration	Identify habitable buildings in the floodplain and/or are subject to flooding, prioritize locations, and purchase buildings as funding becomes available.
Lead Agency	Newton County Emergency Management (Floodplain Administrator)
Partners	State and Federal agencies
Funding Description	Stormwater Management Program, state and federal agencies
Total Cost	\$200,000
Benefits (Losses Avoided)	Minimize potential for people to be stranded in flooding buildings and minimize property damage and loss.
Completion Date	December 2014
Newton County 3	Reverse 911
Issue/Background	The county needs an efficient means of notifying residents and businesses of emergency situations
Plan for Implementation and Administration	Promote use of Reverse 911 throughout the County- at county functions and with Press Releases
Lead Agency	Newton County CDC and Emergency Management
Partners	State and Federal agencies
Funding Description	none
Total Cost	none
Benefits (Losses Avoided)	Increase awareness of dangers, reduce loss of life and property
Completion Date	Ongoing
Newton County 4	All-Hazard education for mitigation, preparedness, response, & recovery

Issue/Background	Newton County has many identified hazards that require public education on how to mitigate, prepare for, respond to, and recover from to ensure that all citizens and businesses are as prepared as possible.
Plan for Implementation and Administration	Newton County will give public presentations, encourage CERT Training, and encourage, TV, Radio, and Newspaper assistance in educating the citizens as how to mitigate hazards if possible.
Lead Agency	Newton County Emergency Management
Partners	All cities, and Newton County COAD
Funding Description	None
Total Cost	None
Benefits (Losses Avoided)	Mitigation has show to save \$4 for every on \$1 we are able to encourage citizens to spend to protect themselves and their property. Preparation also limits the impacts of the hazards and hopefully keeps citizens in their homes and businesses running during the recovery from impact.
Completion Date	Ongoing
Newton County 5	Educate the impacts of lightning
Issue/Background	Newton County Experiences many severe weather events with lightning
Plan for Implementation and Administration	Newton County will recommend that private power companies install lightning arrestors on buildings and power infrastructure. Also, Public Service Announcements and Storm Spotter Training
Lead Agency	Emergency Management & private sector
Partners	County, private power companies and regional government partners
Funding Description	State of Missouri & federal sources
Total Cost	None additional to County
Benefits (Losses Avoided)	Minimize/reduce the financial and physical impacts of lightning
Completion Date	Yearly
Newton County 6	Low-water crossing elimination
Issue/Background	Numerous low-water crossings exist in the county that are a threat to the traveling public.
Plan for Implementation and Administration	Prioritize low-water crossings based on risk and traffic count. Eliminate crossings as funding becomes available.
Lead Agency	County and City Public Works
Partners	Cities in Newton County/National Weather Service
Funding Description	Stormwater Management Program, state, and federal agencies
Total Cost	Unknown- needs research
Benefits (Losses Avoided)	Minimize potential for the traveling public to drive into water that is unsafe.
Completion Date	December 2013
Newton County 7	Additional outdoor warning sirens

Issue/Background	As new development is created in the cities, additional warning sirens will be needed.
Plan for Implementation and Administration	Purchase and install additional emergency warning sirens along with a computer based digital monitoring system so that defects or maintenance issues will be reported immediately as they occur.
Lead Agency	Newton County Emergency Management
Partners	Cities in Newton County
Funding Description	Annual Budget, state and federal grants
Total Cost	Unknown- needs further study
Benefits (Losses Avoided)	Provide for life safety by improving coverage of outdoor warning.
Completion Date	When grant funds become available. None at this time known
Newton County 8	Promote crop insurance
Issue/Background	Newton County will work with University of Missouri Extension personnel to promote crop insurance in the county - to insure against natural hazards such as agricultural infestation, soil erosion, extreme temperatures, wildfire, windstorm, winter storm, tornado, flooding & drought.
Plan for Implementation and Administration	Newton County will work with University of Missouri Extension, news media, and insurance companies of educate citizens about the need for crop insurance.
Lead Agency	Newton County Emergency Management
Partners	County and regional jurisdictions
Funding Description	State of Missouri and federal sources
Total Cost	No cost to county
Benefits (Losses Avoided)	Minimize/reduce the impact of natural hazards such as agriculture infestation, soil erosion, and drought on land dedicated to agriculture.
Completion Date	Ongoing
Newton County 9	Educate the public on the impacts of a major disease outbreak
Issue/Background	Newton County along with the nation as a whole, is extremely concerned about the impact of a major disease outbreak. The federal and state governments are encouraging local governments to monitor for such events.
Plan for Implementation and Administration	Newton County will work through the Newton County Health Department to the monitoring and mitigation of major disease outbreaks.
Lead Agency	Newton County Health Department
Partners	Emergency Management, Newton County Health Department, County health care providers and the private sector.
Funding Description	State of Missouri and federal sources
Total Cost	Unknown – part of daily work activity

Benefits (Losses Avoided)	Minimize/reduce the impact of natural hazards such as agriculture infestation, soil erosion, and drought on land dedicated to agriculture.
Completion Date	Ongoing
Newtonia - 1	Adopt new floodplain ordinance to meet FEMA requirements
Issue/Background	Current Minimum federal requirements allow fill in the floodplain and rising of the water surface elevation
Plan for Implementation and Administration	Restrict/Eliminate development in the existing floodplain and acquire land in necessary
Lead Agency	Public Works
Partners	none
Funding Description	State and Federal Agencies
Total Cost	\$100
Benefits (Losses Avoided)	Minimize potential for the creation of future flooding problems, improve water quality, and improve the environment
Completion Date	December 2011
Newtonia - 2	Promote the use of NOAA Weather Radio
Issue/Background	Recent storms show need for more complete warning systems
Plan for Implementation and Administration	Urging residents to obtain radios and instruct in programming and usage.
Lead Agency	Board
Partners	none
Funding Description	local
Total Cost	none
Benefits (Losses Avoided)	time to get to shelter
Completion Date	July 2011
Newtonia - 3	Reverse 911
Issue/Background	adequate storm warnings
Plan for Implementation and Administration	educate and urge participation in reverse 911
Lead Agency	Board
Partners	none
Funding Description	local
Total Cost	none
Benefits (Losses Avoided)	covering all bases for early warning
Completion Date	When County has it up and running- December 2012?
Newtonia - 4	provide generators for com. Building & church shelter.
Issue/Background	need for electricity in case of extended outages.

Plan for Implementation and Administration	Discussion of possible financing
Lead Agency	Board
Partners	none
Funding Description	Unknown- need to study to find out what is needed and costs
Total Cost	unknown
Benefits (Losses Avoided)	shelter for those in need
Completion Date	2 years
Newtonia - 5	weather flyers
Issue/Background	early warning
Plan for Implementation and Administration	Basic information and locations of shelters and help available.
Lead Agency	Clerk
Partners	none
Funding Description	General Funds
Total Cost	Minimal- cost of paper
Benefits (Losses Avoided)	presence of community information in future storms
Completion Date	ongoing
Newtonia - 6	Support the coordination of interagency debris removal
Issue/Background	Storms creating a large amount of debris.
Plan for Implementation and Administration	Using available sources for possible assistance.
Lead Agency	county
Partners	FEMA,SEMA, volunteer groups
Funding Description	unknown
Total Cost	Unknown- with volunteer help costs might be low
Benefits (Losses Avoided)	avoiding health threats from large piles of debris.
Completion Date	Ongoing as needed
Newtonia - 7	Plan checking on homebound or injured
Issue/Background	isolated members of community who may not be able to contact help in case of emergency.
Plan for Implementation and Administration	under discussion
Lead Agency	local
Partners	none
Funding Description	none
Total Cost	unknown..but minimal

Benefits (Losses Avoided)	Possible residents of community going without aid if needed.
Completion Date	Ongoing- Each Event they need checked
Redings Mill-1	Adopt new FEMA approved Floodplain Ordinance
Issue/Background	Current Minimum federal requirements allow fill in the floodplain and rising of the water surface elevation
Plan for Implementation and Administration	Restrict/Eliminate development in the existing floodplain
Lead Agency	Village of Redings Mill Board
Partners	none
Funding Description	none
Total Cost	\$200
Benefits (Losses Avoided)	Minimize potential for the creation of future flooding problems
Completion Date	December, 2011
Redings Mill-2	Grant funding application for water tower power source
Issue/Background	The village is without water during power outages.
Plan for Implementation and Administration	Apply for funding for a stationary generator to power water pumps at the city's water supply
Lead Agency	Village of Redings Mill and Fire Dept
Partners	Dept. of the Forestry
Funding Description	State and Federal Agencies
Total Cost	unknown
Benefits (Losses Avoided)	Allow clean water for drinking, bathing, cooking, and fire control when electric is not available.
Completion Date	December, 2012
Redings Mill-3	Grant funding application for shelter
Issue/Background	The Village of Redings Mill is currently without a storm shelter
Plan for Implementation and Administration	Apply for funding to construct a suitable structure that will safely accommodate residents
Lead Agency	Village of Redings Mill Board
Partners	FEMA
Funding Description	State and Federal Agencies
Total Cost	\$300,000
Benefits (Losses Avoided)	Minimize the loss of life during critical weather conditions
Completion Date	June, 2015
Redings Mill-4	Continue with Drainage Improvements

Issue/Background	The Village of Redings Mill has areas that have drainage problems and some that cause runoff flooding
Plan for Implementation and Administration	Maintain current drainage and improve areas affected by or causing flooding
Lead Agency	Village of Redings Mill
Partners	MoDOT and Joplin Special Road District
Funding Description	Local Funding
Total Cost	unknown
Benefits (Losses Avoided)	Improve drainage and reduce runoff flooding preventing damages
Completion Date	ongoing
Redings Mill-5	Promote NOAA weather radios
Issue/Background	The Village of Redings Mill has no storm sirens
Plan for Implementation and Administration	Inform the public about NOAA weather radios by flyers and posters
Lead Agency	Redings Mill Fire Department
Partners	none
Funding Description	Local agency
Total Cost	minimal
Benefits (Losses Avoided)	Inform the public of approaching severe weather saving lives and preventing injuries
Completion Date	Ongoing
Ritchey - 1	Public Education
Issue/Background	public needs further information about hazards and mitigation
Plan for Implementation and Administration	City Clerk informational letter
Lead Agency	City of Ritchey Clerk
Partners	none
Funding Description	30 letters at 44 cents is \$13.20
Total Cost	\$13.20
Benefits (Losses Avoided)	prevents loss of property and life general funds
Completion Date	ongoing
Ritchey - 2	Encourage Reverse -911 and weather radios
Issue/Background	Residents need a reliable warning system
Plan for Implementation and Administration	City Clerk informational letter
Lead Agency	City of Ritchey Clerk
Partners	none
Funding Description	30 letters at 44 cents is F\$13.20 general funds

Total Cost	\$13.20
Benefits (Losses Avoided)	prevents loss of property and life
Completion Date	ongoing
Saginaw - 1	NFIP - Adopt New Floodplain ordinance to meet new FEMA requirements
Issue/Background	Ordinance needs revision
Plan for Implementation and Administration	Restrict/Eliminate development in the existing floodplain
Lead Agency	Village of Saginaw Board
Partners	FEMA
Funding Description	none
Total Cost	none
Benefits (Losses Avoided)	Minimize potential for the creation of future flooding problems, improve water quality, and improve the environment
Completion Date	October, 2010
Saginaw - 2	Streambed Cleanup to improve flow and prevent flooding
Issue/Background	Gravel and debris are beginning to accumulate at the bridges
Plan for Implementation and Administration	Get volunteers or Hire a contractor to remove debris
Lead Agency	Village of Saginaw Board
Partners	none
Funding Description	Local Agency
Total Cost	Unknown- will try volunteers first
Benefits (Losses Avoided)	Minimize backwater flooding
Completion Date	Ongoing
Saginaw - 3	Develop Emergency Management Plan
Issue/Background	The Village does not have a formal Emergency Plan
Plan for Implementation and Administration	Create Plan for adoption and implementation
Lead Agency	Village of Saginaw Mayor
Partners	none
Funding Description	None
Total Cost	none
Benefits (Losses Avoided)	Having a plan will improve coordination with other agencies and speed response to emergencies
Completion Date	December 2012
Seneca 1	Continue compliance with NFIP and floodplain management
Issue/Background	Seneca has many structures that were built in the floodplain prior to the City

	participating in the NFIP program
Plan for Implementation and Administration	Insure that all new or substantial improvement projects located in the floodplain are in accordance with the NFIP requirements
Lead Agency	Seneca City Administration (Floodplain Administrator)
Partners	FEMA/SEMA
Funding Description	State and Federal agencies
Total Cost	\$100 – no cost for Administrator
Benefits (Losses Avoided)	Minimize potential for the creation of future flooding problems. Improve water quality and improve the environment
Completion Date	Ongoing
Seneca 2	Habitable building buyout
Issue/Background	Many buildings are located in the floodplain and are subject to flooding.
Plan for Implementation and Administration	Identify habitable buildings in the floodplain and/or are subject to flooding, prioritize locations, and purchase buildings as funding becomes available.
Lead Agency	Seneca City Administration (Floodplain Administrator)
Partners	State and Federal agencies
Funding Description	Stormwater Management Program, state and federal agencies
Total Cost	\$200,000
Benefits (Losses Avoided)	Minimize potential for people to be stranded in flooding buildings and minimize property damage and loss.
Completion Date	When grants become available
Seneca 3	Reverse 911
Issue/Background	The City of Seneca and Newton County needs an efficient means of notifying residents and businesses of emergency situations
Plan for Implementation and Administration	Promote the use of Reverse 911 throughout the City of Seneca with news release
Lead Agency	Newton County CDC and Emergency Management
Partners	State and Federal agencies
Funding Description	none
Total Cost	none
Benefits (Losses Avoided)	Increase awareness of dangers, reduce loss of life and property
Completion Date	Ongoing
Seneca 4	All-Hazard education for mitigation, preparedness, response, & recovery
Issue/Background	The City of Seneca has many identified hazards that require public education on how to mitigate, prepare for, respond to, and recover from disasters to ensure that all citizens and businesses are as prepared as possible.
Plan for Implementation and Administration	City will give public presentations in conjunction with Newton County, encourage CERT Training, and encourage, TV, Radio, and Newspaper assistance in educating the citizens as how to mitigate hazards if possible.
Lead Agency	City of Seneca Administration and Emergency Management
Partners	Newton County COAD, American Red Cross & Newton County Emergency Management

Funding Description	Stormwater Management Program, state and federal agencies
Total Cost	Cost to city is none
Benefits (Losses Avoided)	Mitigation has shown to save \$4 for every \$1 we are able to encourage citizens to spend to protect themselves and their property. Preparation also limits the impact of the hazards and hopefully keeps citizens in their homes and keeps businesses running during the recovery phase of the disaster.
Completion Date	Ongoing as available trainings are offered
Seneca 5	Educate the impacts of lightning
Issue/Background	The City of Seneca experiences many severe weather events with lightning during each year.
Plan for Implementation and Administration	Seneca will recommend that private power companies install lightning arrestors on buildings and power infrastructure.
Lead Agency	Emergency Management & private sector
Partners	County, private power companies and regional government partners
Funding Description	none
Total Cost	None to city
Benefits (Losses Avoided)	Minimize/reduce the financial and physical impacts of lightning
Completion Date	Ongoing
Seneca 6	Low-water crossing elimination
Issue/Background	Two (2) low-water crossings exist in the City of Seneca that are a threat to the public.
Plan for Implementation and Administration	Prioritize low-water crossings based on risk and traffic count. Eliminate crossings as funding becomes available.
Lead Agency	Newton County Commission and Seneca Public Works
Partners	Newton County and other cities
Funding Description	Stormwater Management Program, state, and federal agencies
Total Cost	Unknown- needs research
Benefits (Losses Avoided)	Minimize potential for the traveling public to drive into water that is unsafe.
Completion Date	December 2013
Seneca 7	Additional outdoor warning sirens
Issue/Background	As the city expands and new development is created, additional warning sirens will be needed.
Plan for Implementation and Administration	Purchase and install additional emergency warning sirens along with a computer based digital monitoring system so that defects or maintenance issues will be reported immediately as they occur.
Lead Agency	City of Seneca Administration
Partners	National Weather Service and Newton County
Funding Description	Annual Budget, state and federal grants
Total Cost	Unknown- needs further study
Benefits (Losses Avoided)	Provide for life safety by improving coverage of outdoor warning.
Completion Date	December 2014

Seneca 8	Educate the public on the impacts of a major disease outbreak
Issue/Background	The City of Seneca and the Newton County Health Department is extremely concerned about the impact of a major disease outbreak. The federal and state governments are encouraging local governments to monitor for such events
Plan for Implementation and Administration	The City of Seneca will work through the Newton County Health Department to mitigate and monitor major disease outbreaks.
Lead Agency	Newton County Health Department
Partners	City of Seneca, Emergency Management, Newton County Health Department, health care providers, and the private sector
Funding Description	State of Missouri and federal sources
Total Cost	No cost to city
Benefits (Losses Avoided)	Minimize / reduce the impact of disease outbreaks when they occur
Completion Date	Ongoing
Silver Creek-1	Adopt more current ordinance floodplain ordinance
Issue/Background	Current Minimum federal requirements allow fill in the floodplain and rising of the water surface elevation
Plan for Implementation and Administration	Restrict/Eliminate development in the existing floodplain and acquire land in necessary
Lead Agency	Silver Creek Board
Partners	none
Funding Description	State and Federal Agencies
Total Cost	None yet
Benefits (Losses Avoided)	Minimize potential for the creation of future flooding problems, improve water quality, and improve the environment
Completion Date	Dec-10
Silver Creek - 2	Active Building Code Enforcement
Issue/Background	Code Violations regarding burning, building, stormwater, sediment and erosion, and other Codes
Plan for Implementation and Administration	Enforce Compliance of all Village Codes
Lead Agency	Silver Creek Chairman & Board
Partners	none
Funding Description	Local Agency
Total Cost	None
Benefits (Losses Avoided)	Minimize potential for stormwater issues and environmental issues
Completion Date	Ongoing
Silver Creek - 3	Public Education of Businesses & Residents by Newsletter
Issue/Background	Keeping the Public informed on Hazards and Prevention and Mitigation inc. promotion of Insurance

Plan for Implementation and Administration	Send out a Bi-Monthly Newsletter with information regarding Hazards and Mitigation
Lead Agency	Silver Creek Chairman and Clerk
Partners	none
Funding Description	Local Agency
Total Cost	No additional cost – is part of newsletter
Benefits (Losses Avoided)	Minimizes the amount of damages and deaths
Completion Date	Ongoing
Silver Creek - 4	Put warning signs at Low Water Bridge
Issue/Background	Prevent deaths by drowning
Plan for Implementation and Administration	Have Turn around - Don't Drown Sign made for creek crossing
Lead Agency	Silver Creek Chairman
Partners	none
Funding Description	Local Agency
Total Cost	\$200
Benefits (Losses Avoided)	Minimizes the amount of damages and deaths
Completion Date	Feb-11
Silver Creek - 5	Apply for grant funding for storm siren for east side
Issue/Background	Warning Sirens not heard in all parts of Village
Plan for Implementation and Administration	Apply for USDA or other funding for assistance
Lead Agency	Silver Creek Chairman
Partners	USDA
Funding Description	Local Agency with assistance
Total Cost	\$5,000
Benefits (Losses Avoided)	Minimize deaths and injuries
Completion Date	Dec-13
Silver Creek - 6	Basement Sharing for Tornado Shelters
Issue/Background	There is no Saferoom for tornado sheltering but there are several houses and buildings with basements
Plan for Implementation and Administration	Send out a Yearly Newsletter with information regarding Location of Basements available for sheltering
Lead Agency	Silver Creek Chairman
Partners	Residents
Funding Description	Local Agency
Total Cost	Part of newsletter – no additional cost

Benefits (Losses Avoided)	Minimizes the number of injuries and deaths
Completion Date	13-Dec
Silver Creek - 7	Promote Reverse - 911 to residents
Issue/Background	Various Hazards Can be communicated by phone to all residents through dispatch
Plan for Implementation and Administration	Send out a Yearly Newsletter with information regarding availability and contact information when County is ready
Lead Agency	Silver Creek Chairman and Clerk
Partners	Newton County
Funding Description	Local Agency
Total Cost	Part of newsletter
Benefits (Losses Avoided)	Minimizes the number of injuries and deaths
Completion Date	When County has it available
Silver Creek - 8	Portable Electric Generators
Issue/Background	Sewer Lift Stations need to pump to avoid backups and Village Hall needs to operate during any disaster situation
Plan for Implementation and Administration	Install transfer switches on all lift stations for the portable generators and purchase other generators for Village Hall
Lead Agency	Silver Creek Board
Partners	none
Funding Description	General funds
Total Cost	\$20,000
Benefits (Losses Avoided)	Avoid backups of sewer lift stations and the closure of the Village Office
Completion Date	December 2011
Silver Creek - 9	Obtain Emergency Communication System
Issue/Background	Needs contact with emergency Agencies during power outages
Plan for Implementation and Administration	Buy a short wave radio on County fire frequency to notify for emergency services when needed
Lead Agency	Silver Creek Chairman
Partners	Redings Mill Fire Dept
Funding Description	General Funds
Total Cost	\$400
Benefits (Losses Avoided)	Improve and ensure Emergency Response
Completion Date	December 2011
Stark City-1	Develop Emergency Management Plan
Issue/Background	The Village has no formal Emergency Plan

Plan for Implementation and Administration	Create Plan for adoption and implementation
Lead Agency	Stark City Mayor
Partners	none
Funding Description	Local Agency
Total Cost	none
Benefits (Losses Avoided)	Better structure during emergencies. Improved Timeliness and coordination
Completion Date	December, 2011
Stark City -2	NIMS Training
Issue/Background	Board needs to understand emergency planning and coordination
Plan for Implementation and Administration	All new Board Members will take the online course to receive the NIMS Certificate.
Lead Agency	Stark City mayor
Partners	none
Funding Description	Local Agency
Total Cost	none
Benefits (Losses Avoided)	Minimize the use of Public Funds on natural disaster incidents
Completion Date	Ongoing
Stark City-3	Promote Reverse 911
Issue/Background	People don't always pay attention to weather and other events do happen quickly
Plan for Implementation and Administration	Educate the Public regarding reverse 911 with a letter
Lead Agency	Stark City Clerk
Partners	none
Funding Description	General Fund
Total Cost	Cost of copies and postage to 60 homes – about \$30
Benefits (Losses Avoided)	Minimize loss of life. Preparing for future weather related incidents can provide more time to take cover.
Completion Date	Ongoing
Stark City - 4	Provide informational flyers on weather hazards
Issue/Background	Help prepare residents for upcoming weather issues
Plan for Implementation and Administration	Village will send out flyers with bills.
Lead Agency	Stark City
Partners	none
Funding Description	no additional costs – will try to use others flyers
Total Cost	none

Benefits (Losses Avoided)	Helps prepare citizens for future weather issues
Completion Date	Ongoing
Stella-1	Establish an Emergency Management Team
Issue/Background	City has no emergency management team
Plan for Implementation and Administration	Work with Newton County Emergency Management to develop an emergency Management Team
Lead Agency	Village of Stella Emergency Mgt Team
Partners	Newton County
Funding Description	none
Total Cost	none
Benefits (Losses Avoided)	Improve response to emergencies and improve coordination with other agencies
Completion Date	December, 2010
Stella-2	Continue work on storm drainage to keep down erosion
Issue/Background	City has made some drainage improvements by cleaning out ditching and adding a whistle but needs to stabilize to prevent erosion
Plan for Implementation and Administration	Public works will plant grasses or place rock for control as site warrants
Lead Agency	Village of Stella Public works
Partners	none
Funding Description	Street funds
Total Cost	Unknown – depends on each new event need
Benefits (Losses Avoided)	Improve drainage and have bank stabilization
Completion Date	ongoing
Stella-3	Continue to develop Indian Creek for Stabilization and beautification
Issue/Background	City has had to remove some trees and brush along creek. A rain garden has been developed but needs to be expanded to stabilize bank and keep creek purified.
Plan for Implementation and Administration	Volunteer groups will plant more plants and put up identification labels on each with an explanation of the function of each plant.
Lead Agency	Village of Stella Volunteers
Partners	Volunteer groups
Funding Description	Donations
Total Cost	unknown
Benefits (Losses Avoided)	Improve drainage and have bank stabilization
Completion Date	December 2011

Stella-4	Promote the public of hazards with informational flyers
Issue/Background	Hazards are ongoing and some cannot be prevented
Plan for Implementation and Administration	The Village will inform residents and business owners of any hazards or public health risks via telephone, mail, public postings or if possible, in person. This will include posting at the Indian Creek park if e.coli bacteria levels are at high alert.
Lead Agency	Village of Stella Clerk and Public Works
Partners	none
Funding Description	General Funds
Total Cost	Minimal cost for flyers
Benefits (Losses Avoided)	Keeps residents posted to new ideas and suggestions regarding safety and planning during emergency situations.
Completion Date	Ongoing
Stella-5	Promote public on NOAA weather radio and Reverse 911
Issue/Background	Village of Stella continues to look for a more reliable storm siren
Plan for Implementation and Administration	The village is going to encourage citizens to purchase a NOAA weather radio. Reverse 911 will be available soon and the village will keep residents aware of the new service and remind them to register all cell phones with Newton County.
Lead Agency	Village of Stella Emergency Management Team
Partners	Newton County
Funding Description	none
Total Cost	none
Benefits (Losses Avoided)	Increase warning time so residents can reach shelter in time.
Completion Date	December, 2010
Stella-6	Obtain a generator
Issue/Background	The village saferoom has no generator to power the saferoom during power outages
Plan for Implementation and Administration	Apply for funding for a stationary generator to power primary systems such as heating
Lead Agency	Village of Stella Mayor
Partners	unknown
Funding Description	General Funds
Total Cost	\$10,000
Benefits (Losses Avoided)	Allow city hall and police to continue operating phone systems to communicate with residents, allow for a location for a warming shelter during winter weather events, and allow police records management to be accessible during outages.
Completion Date	December, 2011

Wentworth-1	Adopt FEMA Floodplain Program by ordinance
Issue/Background	Village needs to adopt FEMA Floodplain Program to protect residents and landowners in existing identified floodplain.
Plan for Implementation and Administration	Obtain, complete, submit NFIP application.
Lead Agency	Village of Wentworth board
Partners	FEMA
Funding Description	local funds
Total Cost	\$80
Benefits (Losses Avoided)	Reduce impact of future floods.
Completion Date	December, 2010
Wentworth-2	Do a Stormwater project to reduce Flooding
Issue/Background	Control and management of Stormwater
Plan for Implementation and Administration	Determine area problems and make improvements with a retention pond
Lead Agency	Village of Wentworth Mayor
Partners	FEMA
Funding Description	Local Agency and FEMA
Total Cost	\$50,000
Benefits (Losses Avoided)	Minimize flooding issues
Completion Date	December, 2012
Wentworth-3	Develop Emergency Management Plan
Issue/Background	The Village has no formal Emergency Plan
Plan for Implementation and Administration	Create Plan for adoption and implementation
Lead Agency	Village of Wentworth mayor
Partners	none
Funding Description	Local Agency
Total Cost	None
Benefits (Losses Avoided)	Better structure during emergencies. Improved Timeliness and coordination
Completion Date	December, 2011
Wentworth-4	Active Code Enforcement
Issue/Background	Code Violations regarding Mobile Home age (Wiring issue) and having Wind Straps
Plan for Implementation and Administration	Enforce Compliance of all Village Codes
Lead Agency	Village of Wentworth Board

Partners	none
Funding Description	Local Agency
Total Cost	Unknown
Benefits (Losses Avoided)	Minimize potential for fires or wind damage
Completion Date	Ongoing
Wentworth-5	Promote NOAA weather radios and Reverse 911
Issue/Background	People don't always pay attention to weather and other events do happen quickly
Plan for Implementation and Administration	Educate the Public regarding weather radios and reverse 911 with a letter
Lead Agency	Village of Wentworth Clerk
Partners	none
Funding Description	Local Agency
Total Cost	None as it will be sent with bills
Benefits (Losses Avoided)	Minimize loss of life. Preparing for future weather related incidents can provide more time to take cover.
Completion Date	Ongoing
Wentworth-6	Provide informational flyers on weather hazards
Issue/Background	Help prepare residents for upcoming weather issues
Plan for Implementation and Administration	Village will send out flyers with bills.
Lead Agency	Village Clerk
Partners	none
Funding Description	no additional costs
Total Cost	none
Benefits (Losses Avoided)	Helps prepare citizens for future weather issues
Completion Date	Ongoing
Diamond School-1	Plan for safe areas before emergencies
Issue/Background	Safe spots for tornadoes
Plan for Implementation and Administration	Plan ahead for safe areas in case of emergency
Lead Agency	Building Principals
Partners	none
Funding Description	none
Total Cost	none
Benefits (Losses Avoided)	minimize potential for injury and avoid panic
Completion Date	Prior to the start of each school season

Diamond School-2	Educate students and parents of hazards with informational flyers
Issue/Background	There is a need for students and parents to have information on hazards with informational flyers
Plan for Implementation and Administration	post throughout the building to educate
Lead Agency	Diamond R-IV School Safety Coordinator
Partners	none
Funding Description	General Operations
Total Cost	\$25
Benefits (Losses Avoided)	Minimize potential injury and panic in an emergency situation.
Completion Date	Ongoing
Diamond School-3	Increase awareness of students and teachers with campus drills and training
Issue/Background	safety
Plan for Implementation and Administration	Have several drills throughout the year and monitor their effectiveness in meeting the goals of the district.
Lead Agency	Diamond R-IV School Safety Coordinator and Principals
Partners	none
Funding Description	none
Total Cost	No additional Costs- part of School day
Benefits (Losses Avoided)	Minimize potential injury and panic in an emergency situation.
Completion Date	Ongoing
East Newton School District-1	Safe-room for each location
Issue/Background	It is not uncommon for severe weather to strike while children are in school facilities.
Plan for Implementation and Administration	Identify storm safe-rooms or safe-areas within the school facility to use during severe weather.
Lead Agency	East Newton School – Building Principals
Partners	Missouri Center for Safe Schools at UMKC
Funding Description	No funds required
Total Cost	None
Benefits (Losses Avoided)	To minimize injuries/deaths in the event of a facility damaging storm.
Completion Date	August of each year
East Newton School District-2	Educate students and parents of hazards with informational flyers
Issue/Background	Students and parents need to know of the possible hazards found in the school setting and how they are expected to respond.

Plan for Implementation and Administration	Use student handbook and school website to explain various school hazards as well as how the school (and students) will respond to them.
Lead Agency	Building Principals, Superintendent, and Director of Facilities
Partners	None
Funding Description	CDC and FEMA and general funds
Total Cost	No additional costs as it is part of handbook, or others handouts
Benefits (Losses Avoided)	Students and parents will be educated on the various hazards that are possible in the school environment and will know what type of response to expect.
Completion Date	Ongoing
East Newton School District-3	Increase awareness of students and teachers with campus drills and training
Issue/Background	East Newton does 4 drills are done during the school year Intruder, Fire, Earthquake, and Tornado
Plan for Implementation and Administration	Safety Coordinator trains building principals and the building principals train the staff on drill procedures and staff train students. Emergency procedures are also posted in each classroom.
Lead Agency	Building Principals and Director of Facilities
Partners	None
Funding Description	East Newton School District funding
Total Cost	No additional cost- part of School day
Benefits (Losses Avoided)	To minimize injuries/deaths in the event of a crisis situation.
Completion Date	Ongoing
East Newton School District-4	Educate staff and students on Shelter-in-Place procedures
Issue/Background	Hazardous materials are common place on the roadway, rails, businesses and even homes surrounding school facilities.
Plan for Implementation and Administration	Safety Coordinator trains staff on Shelter-in-Place procedures
Lead Agency	East Newton School Director of Facilities and Principals
Partners	Local Fire Department (Hazmat Unit)
Funding Description	East Newton School District funding
Total Cost	Part of school day- no additional funding required
Benefits (Losses Avoided)	Minimize injuries/deaths during an event
Completion Date	Ongoing
East Newton School District-5	Educate staff and students on Building Evacuation procedures

Issue/Background	Evacuations can be chaotic. Procedures must be in place to ensure that evacuations are organized and to ensure that everyone is accounted for.
Plan for Implementation and Administration	Train staff and students on Evacuation procedures and the method to communicate missing or injured individuals, and conduct regular drills.
Lead Agency	East Newton School Director of Facilities and Principals
Partners	None
Funding Description	East Newton School District funding
Total Cost	Part of school day- no additional funding required
Benefits (Losses Avoided)	Minimize injuries/deaths and quickly determine if everyone is accounted for during an event requiring an evacuation.
Completion Date	Ongoing
East Newton School District-6	Educate staff and students on Lock-down procedures
Issue/Background	Manmade events threaten the well being of staff and students both outside the building and inside the building.
Plan for Implementation and Administration	Train staff and students on Lock-down procedures and conduct regular drills.
Lead Agency	East Newton School Director of Facilities and Principals
Partners	None
Funding Description	East Newton School District funding
Total Cost	Part of school day- no additional funding required
Benefits (Losses Avoided)	Minimize injuries/deaths by locking out the potential threat.
Completion Date	Ongoing
East Newton School District-7	Educate staff on Bomb Threat Assessment and Response
Issue/Background	The majority of bomb threats are false and only made to disrupt the learning process and yet there are some threats which warn of real situations.
Plan for Implementation and Administration	Train staff on bomb threat assessment and procedures.
Lead Agency	East Newton School Director of Facilities and Principals
Partners	Sheriff's Dept and local Police agencies in county
Funding Description	East Newton School District funding
Total Cost	Part of school day- no additional funding required
Benefits (Losses Avoided)	Learn to identify events that are likely to be real or false, and minimize injuries/deaths during real or potentially real events and continue learning process during false events.
Completion Date	Ongoing
East Newton School District-8	An Emergency Response Team made up of school staff members for each location

Issue/Background	In the event of an area wide emergency during a school day, local emergency responders may be overwhelmed and not able to respond to schools for hours, or perhaps even days, so schools have to be prepared to meet their own emergency needs.
Plan for Implementation and Administration	Develop and train emergency response teams in each school
Lead Agency	East Newton School Building Principals
Partners	Missouri Center for Safe Schools at UMKC
Funding Description	East Newton Schools and Federal
Total Cost	Activity is done during normal hours so no additional costs
Benefits (Losses Avoided)	Will have a team that can handle emergency situations until local emergency responders can arrive. Staff will be trained in Search and Rescue, Security, First Aid, Psychological First Aid and Family Reunification.
Completion Date	Ongoing
Joplin School District-1	Safe-room for each location
Issue/Background	It is not uncommon for severe weather to strike while children are in school facilities.
Plan for Implementation and Administration	Identify storm safe-rooms or safe-areas within the school facility to use during severe weather.
Lead Agency	Joplin School District – Individual Building Principals
Partners	Missouri Center for Safe Schools at UMKC
Funding Description	No funds required
Total Cost	None
Benefits (Losses Avoided)	To minimize injuries/deaths in the event of a facility damaging storm.
Completion Date	Ongoing
Joplin School District-2	Educate students and parents of hazards with informational flyers
Issue/Background	Students and parents need to know of the possible hazards found in the school setting and how they are expected to respond.
Plan for Implementation and Administration	Use student handbook and school website to explain various school hazards as well as how the school (and students) will respond to them.
Lead Agency	Joplin School District _individual Building Principals
Partners	None
Funding Description	Joplin School District funds
Total Cost	As a part of handbook there is no additional cost
Benefits (Losses Avoided)	Students and parents will be educated on the various hazards that are possible in the school environment and will know what type of response to expect.
Completion Date	Ongoing

Joplin School District-3	Increase awareness of students and teachers with campus drills and training
Issue/Background	Joplin City fire code requires monthly fire drills. Other drills for lock-downs, tornados and reverse evacuations are required by the school district.
Plan for Implementation and Administration	Safety Coordinator trains staff on drill procedures and staff train students. Emergency procedures are also posted in each classroom.
Lead Agency	Joplin School District _individual Building Principals
Partners	None
Funding Description	Joplin School District funding
Total Cost	No additional costs
Benefits (Losses Avoided)	To minimize injuries/deaths in the event of a crisis situation.
Completion Date	Ongoing
Joplin School District-4	Educate staff and students on Shelter-in-Place procedures
Issue/Background	Hazardous materials are common place on the roadway, rails, businesses and even homes surrounding school facilities.
Plan for Implementation and Administration	Safety Coordinator trains staff on Shelter-in-Place procedures
Lead Agency	Joplin School District _individual Building Principals
Partners	None
Funding Description	Joplin School District funding
Total Cost	No additional costs
Benefits (Losses Avoided)	Minimize injuries/deaths during an event
Completion Date	Ongoing
Joplin School District-5	Educate staff and students on Building Evacuation procedures
Issue/Background	Evacuations can be chaotic. Procedures must be in place to ensure that evacuations are organized and to ensure that everyone is accounted for.
Plan for Implementation and Administration	Train staff and students on Evacuation procedures and the method to communicate missing or injured individuals, and conduct regular drills.
Lead Agency	Joplin School District _individual Building Principals
Partners	None
Funding Description	Joplin School District funding
Total Cost	No additional costs
Benefits (Losses Avoided)	Minimize injuries/deaths and quickly determine if everyone is accounted for during an event requiring an evacuation.
Completion Date	Ongoing
Joplin School District-6	Educate staff and students on Lock-down procedures

Issue/Background	Manmade events threaten the well being of staff and students both outside the building and inside the building.
Plan for Implementation and Administration	Train staff and students on Lock-down procedures and conduct regular drills.
Lead Agency	Joplin School District _individual Building Principals
Partners	None
Funding Description	Joplin School District funding
Total Cost	No additional costs
Benefits (Losses Avoided)	Minimize injuries/deaths by locking out the potential threat.
Completion Date	Ongoing
Joplin School District-7	Educate staff on Bomb Threat Assessment and Response
Issue/Background	The majority of bomb threats are false and only made to disrupt the learning process and yet there are some threats which warn of real situations.
Plan for Implementation and Administration	Train staff on bomb threat assessment and procedures.
Lead Agency	Joplin School District _individual Building Principals
Partners	Federal Agencies
Funding Description	Joplin School District funding
Total Cost	Done as a part of staff training so no additional costs
Benefits (Losses Avoided)	Learn to identify events that are likely to be real or false, and minimize injuries/deaths during real or potentially real events and continue learning process during false events.
Completion Date	Ongoing
Joplin School District-8	An Emergency Response Team made up of school staff members for each location
Issue/Background	In the event of an area wide emergency during a school day, local emergency responders may be overwhelmed and not able to respond to schools for hours, or perhaps even days, so schools have to be prepared to meet their own emergency needs.
Plan for Implementation and Administration	Develop and train emergency response teams in each school
Lead Agency	Joplin School District _individual Building Principals
Partners	Missouri Center for Safe Schools at UMKC/ Red Cross
Funding Description	Joplin Schools and Federal
Total Cost	No additional costs.
Benefits (Losses Avoided)	Will have a team that can handle emergency situations until local emergency responders can arrive. Staff will be trained in Search and Rescue, Security, First Aid, Psychological First Aid and Family Reunification.

Completion Date	Ongoing
Neosho School District-1	Safe-room for each location
Issue/Background	Day time Severe weather is common in southwest MO while students and staff are present in school facilities
Plan for Implementation and Administration	identify areas at each facility to use in the event of severe weather
Lead Agency	Neosho School District Principals
Partners	building principal, district safety coordinator, Mo Center for Safe School, local fire, and county emergency management
Funding Description	No funds required
Total Cost	None
Benefits (Losses Avoided)	To minimize injuries/deaths in the event of a facility damaging storm.
Completion Date	Ongoing
Neosho School District -2	Emergency Operation Plan
Issue/Background	Students and staff need to know of the possible hazards found in the school setting and how they are expected to respond.
Plan for Implementation and Administration	Use student handbook and school EOP to explain various school hazards as well as how the school (and students) will respond to them.
Lead Agency	Neosho School Principals
Partners	None
Funding Description	Neosho School District funds
Total Cost	No additional cost- part of handbook
Benefits (Losses Avoided)	Students and staff will be educated on the various hazards that are possible in the school environment and will know what type of response to expect.
Completion Date	Ongoing
Neosho School District-3	Increase awareness of students and teachers with campus drills and training
Issue/Background	Neosho School District requires all building principals to have regular emergency drills. These drills include tornado, fire, and intruder on campus.
Plan for Implementation and Administration	Each building principal has been trained as incident commanders. The building principal with assistance from the district safety coordinator trains staff on drill procedures and staff train students. Emergency procedures are also posted in each classroom.
Lead Agency	Neosho School Principals
Partners	None
Funding Description	Neosho School District funding

Total Cost	No additional costs, part of curriculum
Benefits (Losses Avoided)	To minimize injuries/deaths in the event of a crisis situation.
Completion Date	Ongoing
Neosho School District-4	Educate staff and students on Shelter-in-Place procedures
Issue/Background	Hazardous materials are common on the roadway, rail roads, and businesses surrounding school facilities.
Plan for Implementation and Administration	Safety Coordinator trains staff on Shelter-in-Place procedures
Lead Agency	Neosho School Principals
Partners	Local Fire Department (Hazmat Unit) and County Emergency Management
Funding Description	Neosho School District funding
Total Cost	No additional costs, part of curriculum
Benefits (Losses Avoided)	Minimize injuries/deaths during an event
Completion Date	Ongoing
Neosho School District-5	Educate staff and students on Building Evacuation procedures
Issue/Background	Evacuations can be chaotic. Procedures must be in place to ensure that evacuations are organized and to ensure that everyone is accounted for.
Plan for Implementation and Administration	Train staff and students on Evacuation procedures and the method to communicate missing or injured individuals, and conduct regular drills.
Lead Agency	Neosho School Principals, Safety Coordinator and Transportation Director
Partners	None
Funding Description	Neosho School District funding
Total Cost	No additional costs, part of curriculum
Benefits (Losses Avoided)	Minimize injuries/deaths and quickly determine if everyone is accounted for during an event requiring an evacuation.
Completion Date	Ongoing
Neosho School District-6	Educate staff and students on Lock-down procedures
Issue/Background	Manmade events threaten the well being of staff and students both outside the building and inside the building.
Plan for Implementation and Administration	Train staff and students on Lock-down procedures and conduct regular drills.
Lead Agency	Neosho School Principals
Partners	None
Funding Description	Neosho School District funding
Total Cost	No additional costs, part of curriculum

Benefits (Losses Avoided)	Minimize injuries/deaths by locking out the potential threat.
Completion Date	Ongoing
Neosho School District-7	Educate staff on Bomb Threat Assessment and Response
Issue/Background	The majority of bomb threats are false and only made to disrupt the learning process and yet there are some threats which warn of real situations.
Plan for Implementation and Administration	Train staff on bomb threat assessment and procedures.
Lead Agency	Neosho School principals
Partners	Local emergency Agencies
Funding Description	Neosho School District funding
Total Cost	No additional costs, part of curriculum
Benefits (Losses Avoided)	Learn to identify events that are likely to be real or false, and minimize injuries/deaths during real or potentially real events and continue learning process during false events.
Completion Date	Ongoing
Neosho School District-8	An Emergency Response Team made up of school staff members for each location
Issue/Background	In the event of an area wide emergency during a school day, local emergency responders may be overwhelmed and not able to respond to schools for hours, or perhaps even days, so schools have to be prepared to meet their own emergency needs.
Plan for Implementation and Administration	Emergency response teams in each school have been developed and trained.
Lead Agency	Joplin School Principals and Safety Coordinator
Partners	Missouri Center for Safe Schools at UMKC
Funding Description	Neosho Schools district funds
Total Cost	No additional cost since inception but normal operation time
Benefits (Losses Avoided)	Will have a team that can handle emergency situations until local emergency responders can arrive. Staff have been trained in Search and Rescue, Security, First Aid, Psychological First Aid and Family Reunification.
Completion Date	Ongoing
Seneca School District-1	Safe-room for each location
Issue/Background	It is not uncommon for severe weather to strike while children are in school facilities.
Plan for Implementation and Administration	Train staff for severe weather procedures and apply for safe room for each building
Lead Agency	Seneca School Superintendent

Partners	Sema/Fema
Funding Description	Fema Grant/local funds
Total Cost	\$2 million
Benefits (Losses Avoided)	To minimize injuries/deaths in the event of a facility damaging storm.
Completion Date	Completion date, August, 2010
Seneca School District-2	Increase awareness of students and teachers with campus drills and training
Issue/Background	Drills for lock-downs, tornados and reverse evacuations are required by the school district twice yearly.
Plan for Implementation and Administration	Safety Coordinator trains staff on drill procedures and staff train students. Emergency procedures are also posted in each classroom.
Lead Agency	Seneca School Safety Coordinator and Principals
Partners	None
Funding Description	Seneca School district funding
Total Cost	As Part of Curriculum- it has no additional costs
Benefits (Losses Avoided)	To minimize injuries/deaths in the event of a crisis situation.
Completion Date	Ongoing
Seneca School District-3	Educate staff and students on Shelter-in-Place procedures
Issue/Background	Hazardous materials are common place on the roadway, rails, businesses and even homes surrounding school facilities.
Plan for Implementation and Administration	Safety Coordinator trains staff on Shelter-in-Place procedures
Lead Agency	Seneca School Safety Coordinator and Principals
Partners	Local Fire Department (Hazmat Unit)
Funding Description	Seneca School District funding
Total Cost	As Part of Curriculum- it has no additional costs
Benefits (Losses Avoided)	Minimize injuries/deaths during an event
Completion Date	Ongoing
Seneca School District-4	Educate staff and students on Building Evacuation procedures
Issue/Background	Evacuations can be chaotic. Procedures must be in place to ensure that evacuations are organized and to ensure that everyone is accounted for.
Plan for Implementation and Administration	Train staff and students on Evacuation procedures and the method to communicate missing or injured individuals, and conduct regular drills as needed for review.
Lead Agency	Seneca School Principals
Partners	None
Funding Description	Seneca School District funding

Total Cost	As Part of Curriculum- it has no additional costs
Benefits (Losses Avoided)	Minimize injuries/deaths and quickly determine if everyone is accounted for during an event requiring an evacuation.
Completion Date	Ongoing
Seneca School District-5	Educate staff and students on Lock-down procedures
Issue/Background	Manmade events threaten the well being of staff and students both outside the building and inside the building.
Plan for Implementation and Administration	Train staff and students on Lock-down procedures and conduct regular drills.
Lead Agency	Seneca School Safety Coordinator and Principals
Partners	None
Funding Description	Seneca School District funding
Total Cost	As Part of Curriculum- it has no additional costs
Benefits (Losses Avoided)	Minimize injuries/deaths by locking out the potential threat.
Completion Date	Ongoing
Seneca School District-6	Educate staff on Bomb Threat Assessment and Response
Issue/Background	The majority of bomb threats are false and only made to disrupt the learning process and yet there are some threats which warn of real situations.
Plan for Implementation and Administration	Train staff on bomb threat assessment and procedures.
Lead Agency	Seneca School Principals
Partners	Seneca Police Department
Funding Description	Seneca School District funding
Total Cost	As Part of Curriculum- it has no additional costs
Benefits (Losses Avoided)	Learn to identify events that are likely to be real or false, and minimize injuries/deaths during real or potentially real events and continue learning process during false events.
Completion Date	Ongoing
Seneca School District-7	An Emergency Response Team made up of school staff members for each location
Issue/Background	In the event of an area wide emergency during a school day, local emergency responders may be overwhelmed and not able to respond to schools immediately, so schools have to be prepared to meet their own emergency needs quickly.
Plan for Implementation and Administration	Develop and train emergency response teams in each school
Lead Agency	Seneca School Superintendent
Partners	None

Funding Description	Seneca School District
Total Cost	No additional costs as training is a part of the normal school day
Benefits (Losses Avoided)	Will have a team that can handle emergency situations until local emergency responders arrive.
Completion Date	Ongoing
Westview School District-1	Educate staff and students on Building Evacuation procedures
Issue/Background	Evacuations can be chaotic. Procedures must be in place to ensure that evacuations are organized and to ensure that everyone is accounted for.
Plan for Implementation and Administration	Train staff and students on Evacuation procedures and the method to communicate missing or injured individuals, and conduct regular drills.
Lead Agency	Westview School Counselor
Partners	None
Funding Description	Westview School District funding
Total Cost	No additional cost, it is part of daily curriculum
Benefits (Losses Avoided)	Minimize injuries/deaths and quickly determine if everyone is accounted for during an event requiring an evacuation.
Completion Date	Ongoing
Westview School District-2	Educate students and parents of hazards with informational flyers
Issue/Background	Students and parents need to know of the possible hazards found in the school setting and how they are expected to respond.
Plan for Implementation and Administration	Use student handbook and school website to explain various school hazards as well as how the school (and students) will respond to them.
Lead Agency	Westview School Superintendent
Partners	None
Funding Description	Westview School District funds
Total Cost	\$100 for flyers
Benefits (Losses Avoided)	Students and parents will be educated on the various hazards that are possible in the school environment and will know what type of response to expect.
Completion Date	Ongoing
Westview School District-3	Increase awareness of students and teachers with campus drills and training
Issue/Background	Newton County fire code requires monthly fire drills. Other drills for lock-downs, tornados and reverse evacuations are required by the school district.
Plan for Implementation and Administration	Safety Coordinator trains staff on drill procedures and staff train students. Emergency procedures are also posted in each classroom.
Lead Agency	Westview School Counselor

Partners	None
Funding Description	Westview School District funding
Total Cost	No additional cost, it is part of daily curriculum
Benefits (Losses Avoided)	To minimize injuries/deaths in the event of a crisis situation.
Completion Date	Ongoing
Westview School District-4	Educate staff and students on Lock-down procedures
Issue/Background	Manmade events threaten the well being of staff and students both outside the building and inside the building.
Plan for Implementation and Administration	Train staff and students on Lock-down procedures and conduct regular drills.
Lead Agency	Westview School Counselor
Partners	None
Funding Description	Westview School District funding
Total Cost	No additional cost, it is part of daily curriculum
Benefits (Losses Avoided)	Minimize injuries/deaths by locking out the potential threat.
Completion Date	Ongoing
Westview School District-5	An Emergency Response Team made up of school staff members for each location
Issue/Background	In the event of an area wide emergency during a school day, local emergency responders may be overwhelmed and not able to respond to schools for hours, or perhaps even days, so schools have to be prepared to meet their own emergency needs.
Plan for Implementation and Administration	Develop and train emergency response teams in each school
Lead Agency	Westview School Superintendent
Partners	Newton County Sheriff, Seneca Fire Department, Neosho Fire Department
Funding Description	Westview Schools and Federal
Total Cost	No additional cost, it is part of daily curriculum
Benefits (Losses Avoided)	Will have a team that can handle emergency situations until local emergency responders can arrive. Staff will be trained in Search and Rescue, Security, First Aid, Psychological First Aid and Family Reunification.
Completion Date	Ongoing
Westview School District-6	Safe-room for district

Issue/Background	It is not uncommon for severe weather to strike while children are in school facilities.
Plan for Implementation and Administration	Identify storm safe-rooms or safe-areas within the school facility to use during severe weather.
Lead Agency	Westview School Superintendent
Partners	Missouri Center for Safe Schools at UMKC/FEMA/SEMA
Funding Description	Grant, In Kind District Cost
Total Cost	\$950,000
Benefits (Losses Avoided)	To minimize injuries/deaths in the event of a facility damaging storm.
Completion Date	5/1/2016
Crowder College 1	All-Hazards education for Mitigation, Preparedness, Response & Recovery
Issue/Background	It is important for all students, staff, and community members to understand how to be prepared, respond, and recover from a hazard
Plan for Implementation and Administration	Create and update the policy and procedures. Post them to the website and send to all concerned persons
Lead Agency	Crowder College Director of Public Relations
Partners	None
Funding Description	Crowder funds
Total Cost	No additional costs, part of routine website work
Benefits (Losses Avoided)	To help minimize injuries and deaths
Completion Date	Ongoing
Crowder College 2	Additional Outdoor Warning Sirens
Issue/Background	Campus, City, and County need to add more outdoor warning sirens to help warn of hazards
Plan for Implementation and Administration	Work with the county and the city on putting in more off campus warning sirens and add on campus warning sirens
Lead Agency	Crowder College Plant Manager
Partners	City of Neosho and Newton County
Funding Description	City of Neosho, Newton County, Crowder College
Total Cost	\$5,000
Benefits (Losses Avoided)	Will give students and others more notice and possible saving lives and injuries
Completion Date	Mar 2011
Crowder College 3	Saferoom at each location
Issue/Background	Severe weather is a major issue for all of southwest Missouri
Plan for Implementation and Administration	Identify appropriate saferooms at each location and add saferooms to any new structures built.

Lead Agency	Crowder College Dean of Business
Partners	FEMA
Funding Description	Crowder College and possible grants
Total Cost	\$2,500,000
Benefits (Losses Avoided)	Will give students a safe haven from weather and will reduce injuries and deaths in severe weather
Completion Date	Dec 2012
Crowder College 4	Backup generator for dorms, classrooms, and offices
Issue/Background	Several times we have lost electrical power which controls our lighting and in some buildings the heating
Plan for Implementation and Administration	All new buildings will have backup generators. The older buildings are being assessed for possibility of adding generators
Lead Agency	Crowder College Plant Manager
Partners	None
Funding Description	Crowder College and possible grants
Total Cost	\$8000
Benefits (Losses Avoided)	Allows students to not have to be moved to hotels or for students to have to travel in bad weather due to cancelation of classes
Completion Date	July 2011
Crowder College 5	Increase awareness of students and teachers with campus drills and training
Issue/Background	All students and staff need to know the campus procedures for any type of hazard
Plan for Implementation and Administration	Distribute drills and training manuals to all students and staff. Have drills a minimum of once per semester.
Lead Agency	Crowder College Director of Public Relations
Partners	None
Funding Description	None needed
Total Cost	Part of regular training
Benefits (Losses Avoided)	Will prepare the students and staff for dangerous situations and will save injuries and lives
Completion Date	On Going
Crowder College 6	Educate staff and students on Lock-down procedures
Issue/Background	Because of the incidents having all over the country on campuses it is important to have everyone know the Lock-down procedures
Plan for Implementation and Administration	Distribute the Lock-Down procedures to all staff members and have at least on drill per semester.
Lead Agency	Crowder College Director of Public Relations
Partners	None
Funding Description	None needed

Total Cost	Part of regular training
Benefits (Losses Avoided)	Saving lives because of the procedures being followed correctly
Completion Date	On Going
Crowder College-7	Revise and update hazard plannings and training on a continual basis
Issue/Background	The nature of hazards, natural or manmade, change on a continuing basis. It is important to constantly update and revise our plans
Plan for Implementation and Administration	Each year review the hazard plans and training. Update with any new procedures.
Lead Agency	Crowder College Dean of Business
Partners	None
Funding Description	None needed
Total Cost	None
Benefits (Losses Avoided)	This is will help us save lives and injuries based on improved plans and training
Completion Date	On Going
Crowder College-8	Create an emergency response team for each location
Issue/Background	Because of human nature to panic, an emergency response team is needed to make sure all plans and procedures are followed.
Plan for Implementation and Administration	Create a team on each campus to include but not limited to an administrator, faculty member, staff member, and a public information person. Minimum of 7 members.
Lead Agency	Crowder College Dean of Business
Partners	None
Funding Description	Crowder College
Total Cost	none
Benefits (Losses Avoided)	Will help to get people to safe places and help to save injuries and lives
Completion Date	December 2010

WORKSHEET #13: NEWTON COUNTY SUMMARIZED ACTION STEPS FOR MITIGATION STRATEGY

Hazard Type	Recommended Policy Change or New Initiative	Hazard Areas Affected (list all areas affected by policy changes)	Responsible Departments
Tornado/ Severe Thunderstorms	Promote Weather Radios and Reverse 911 usage	Countywide, all jurisdictions	Newton County Emergency Management Agencies (NWS, NOAA Storm Warning)
Floods	Educate the public on flood safety, and increase floodplain buyout programs	County Floodplain areas which include Granby, Grand Falls Plaza, Joplin, Leawood, Loma Linda, Neosho, Newtonia, Redings Mill, Saginaw, Seneca, Silver Creek, and Stella	Newton County Emergency Management Agencies (FEMA, SEMA, USGS. Army Corps of Engineers)
Severe Winter Weather	Run a winter weather safety campaign during the winter season	Countywide, all jurisdictions	Newton County Emergency Management Agencies (NWS, NOAA Storm Warning)
Drought	Promote efficient practices for drought resistant farming and minimal water consumption and waste	Countywide, all jurisdictions	University of Missouri Extension Newton County
Heat Wave	Educate outdoor activity participants during periods of extreme heat	Countywide, all jurisdictions	Newton County Emergency Management Agencies (Newton County Health Department, medical services, NRCS)
Earthquake	Educate the public on appropriate safety procedures and precautions in the case of an earthquake	Countywide, all jurisdictions	Newton County Emergency Management
Dam Failures	Work with the DNR Safety Program to promote maintenance	Areas near dams which include Cities of Seneca & Neosho	Newton County Emergency Management (DNR Dam Safety Program)
Wildfires	Work with MDC to educate residents in the buffer zone of fire safety.	Countywide, all jurisdictions	Local Fire Departments
Sinkholes	Work with DNR to promote sinkhole education- signs of development etc.	Countywide, all jurisdictions	Local and Newton County Emergency Management Agencies (Missouri Division of Geology and Land Survey, DNR)

SECTION 6

IMPLEMENTATION and MAINTENANCE PROCESS

The Newton County Hazard Mitigation Stakeholders have determined that the implementation process should be coordinated within a nascent organization called the Harry S Truman Area County Hazard Mitigation Committee (which will consist of County Commissioners, County Emergency Management Director, municipal public officials, fire protection, law enforcement, emergency, and public health officials from Newton County and neighboring counties willing and interested in participating). This Committee will convene to move through this plan so to implement and initiate the Hazard Mitigation Plan's actions. This Committee will encourage and support grants that meet the goals of the plan.

Where possible, plan participants will use existing plans and/or programs to implement hazard mitigation actions. Based on the capability assessments of the participating jurisdictions, communities in Newton County will continue to plan and implement programs to reduce loss of life and property from hazards. This plan builds upon the momentum developed through previous planning efforts in the County (such as the attempted flood buyout program), and recommends implementing actions, where possible, through the following means:

- Newton County Operations Plan (informal)
- General or master plans of participating jurisdictions
- Ordinances of participating jurisdictions
- Capital improvement plans and budgets- especially effective for the smaller entities
- Community and rural wildfire protection plans and other wildfire planning efforts through the many fire departments that work with the communities
- Other community plans within the County, such as watershed plans, stormwater management plans, and parks and recreation plans

The governing bodies of the jurisdictions adopting this plan will encourage all other relevant planning mechanisms under their authority to consult this plan to ensure minimization of risk to natural and man-made hazards as well as coordination of activities. **In many jurisdictions, this will be by ordinance and budget. See Section 1 for entities and their plans that it can be incorporated into.**

In order to review and update this plan on a regular basis, The Harry S Truman Area County Hazard Mitigation Committee will hold meetings yearly where objectives will be agenda items. The status of each objective will be discussed and see if the actions have been taken to address that objective. At this annual meeting the Hazard Mitigation Committee members will be responsible for monitoring and evaluating the progress of the plan. This includes annually submitting changes to the plan including goals, objectives, actions (including removing completed actions), and also any changes in the community profile and risk assessment sections. The parties responsible for direct implementation projects will report to the committee on their progress, completion of their respective projects, dilemmas in implementation, and revisions to the strategy they are in charge of.

The Committee will then have a period of time to revise the Hazard Mitigation Plan and submit it to the State Hazard Mitigation Officer for the update review and approval.

The Harry S Truman Coordinating Council will work with the Committee in holding public hearings, annual meetings, and with implementation strategies and priorities. The council will use staff to facilitate these meetings by contacting members with a projected date as close as possible to the anniversary date that will accommodate a majority of members, post an agenda, **advertise and post online**, and notify stakeholders for input. Staff will also take minutes and do revisions as requested by the Committee. **(This will follow the same pattern as developed to do the plan.) All meetings will follow the Sunshine Laws.)** A mandatory, complete, and comprehensive update of the plan must be completed every 5 years by an appropriate planning agency, to ensure veracity and progress in the planning efforts and initiatives. One year prior to the revision date, HSTCC will apply for a grant with SEMA for funding to do the update.

Notes for next revision – List of deficiencies that should be added at next revision

- Current census information
- Inundation maps that should be completed by DNR
- Wildland-Urban Interface maps with greater detail if available
- Jurisdiction dollar values of buildings if available
- Digital Flood maps if available
- Future building estimates – (economy stalled during this revision- growth was a question)
- Insurance statistics when available (FEMA should mandate that statistics of number of policies issued, claims, types of claims and amounts of claims by county be available for public use)