

<b>Independence 2020 Mitigation Strategy (Continuing Plan Participant, NFIP Participant)</b>													
Mitigation Goals and Action Steps	Plan Year	Status of Project	Status Explanation	Type of Mitigation Activity	Priority	Applies to Community Assets (New/Existing)	Existing Local Planning Mechanism through which the action was/will be implemented	Primary Agency Responsible for Implementation / Administration	Date for Completion	Cost / Benefit Review	Target Capacity	Estimated Cost (\$)	Funding Source
<b>Tornadoes</b>													
<b>Encourage building practices and the use of materials that reduce the damaging effects of tornadoes.</b>													
Adopt current edition of a model building code to address structural and architectural issues related to tornadoes and high wind events.	2010	Ongoing	The Community Development Department adheres to the standards in the 2012 International Building Code.										City's General Fund, Grants, or other future sources
Review and enhance (if necessary) regulations related to design and installation of architectural features on buildings to minimize the creation of windborne debris.	2010	Ongoing	The Community Development Department adheres to the standards outlined in the 2012 International Building Code.										City's General Fund, Grants, or other future sources
Work w/ trade orgs to inform builders/ developers of construction techniques and materials that may minimize tornado/ high wind damage to residential/ commercial structures.	2010	Ongoing	The Community Development Department adheres to the standards outlined in the 2012 International Building Code.										City's General Fund, Grants, or other future sources
<b>Encourage construction of community tornado shelters in office complexes, factories, apt complexes, schools mobile home parks, stadiums, and other large population congregation centers.</b>													
Consider adopting ordinances or regs requiring the construction of tornado shelters in new buildings where people live, work or congregate.	2010	Ongoing	The City of Independence has an ordinance in place requiring all pre-manufactured home parks to include a community shelter for their residents if they expand or build a new facility. Other ordinances for apartment complexes and other large venue complexes are being considered.		High	New	Office of Emergency Preparedness functions within City ordinances and codes	Community Development	On-going	High cost to design and build shelter facilities but can prevent large number of injuries and fatalities. Some cost could be subsidized by tax incentives and grants		High	Private Sector Funding
Offer residential/ commercial builders/developers tax incentives to construct safe rooms/community shelters in new public facilities.	2010	Ongoing	The City does not have any tax incentives for residential/ commercial builders/developers tax incentives to construct safe rooms/community shelters in new public facilities due to economic conditions and City finances.										City's General Fund, Grants, or other future sources
Work with chambers of commerce, school districts, corporations, etc. to promote benefits of safe rooms.	2010	Ongoing	The City of Independence continues to work with all schools and non-governmental entities to promote the benefits of Safe Rooms in all public educational outreach materials.		High	New	Office of Emergency Preparedness functions within City ordinances and codes	Emergency Preparedness Office	On-Going	Low/no cost mechanism to increase public safety.	Low	Low	General Funds and EMPG grants
<b>Encourage electric and telecommunications utilities to protect their existing infrastructure from the effects of tornadoes and high winds.</b>													
Anchor or strengthen above-ground transmission lines, poles and similar structures.	2010	Ongoing	There is currently no funding available to encourage this mitigation action. Independence Power and Light (IPL) does offer residents a discounted price for burying electrical lines. This discount is offered because of bulk pricing agreements negotiated between IPL and the associated contractors.										City's General Fund, Grants, or other future sources

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Offer financial or other incentives to utility providers to replace existing above-ground utility lines with underground utility lines.	2010	Ongoing	Independence Power and Light is a city owned utility. There is currently no mitigation money being used to bury power lines. Residents can get a discount for burying their lines due to a bulk pricing agreement with contractors.										City's General Fund, Grants, or other future sources
<b>Encourage Water Utility to install generators for emergency power should power lines go down.</b>													
Install natural gas fired generator and all necessary appurtenances to allow water plant to operate at the minimum day usages should electric power be disrupted.	2020	Ongoing	The Water Plant currently has power supplies from two lines served by KCPL. If KCPL was unable to supply the electricity, the water plant would not be able to provide water which is an essential service to the community.		High	New							City's General Fund, Grants, or other future sources
<b>Ensure public facilities have shelters to accommodate staff and visitors during tornadoes/natural hazards.</b>													
Consider adopting policies requiring incorporation of safe rooms/shelters in new public facility construction.	2010	Ongoing	The City does not have any tax incentives for residential/commercial builders/developers to construct safe rooms/community shelters in new public facilities due to economic conditions and City finances.										City's General Fund, Grants, or other future sources
Retrofit or add shelters to existing public facilities with inadequate protection from tornadoes and high wind.	2010	Ongoing	The city continues to try and develop storm shelters in existing public facilities as funding and opportunities become available.		High	Existing	Office of Emergency Preparedness functions within City ordinances and codes	Office of Emergency Preparedness	Ongoing	High cost to retrofit existing buildings but can also prevent large number of injuries and fatalities. Some cost could be subsidized by tax incentives and grants		High	City's General Fund, Grants, or other future sources
Review existing facilities for shelter suitability. Mark clearly and inform visitors/employees of locations.	2010	Ongoing	The City of Independence has designated safety locations in all City facilities for staff and visitors to shelter in during severe weather events. As a "Storm Ready" Community each facility has an "All Hazard" weather radio and a method of being contacted by the EOC		High	Existing	Office of Emergency Preparedness function within City ordinances and codes	Office of Emergency Preparedness	Ongoing	Low/no cost mechanism to increase public safety.		Low	City's general fund
<b>Increase capabilities to provide mass notifications to the public and increase coordination among city departments during times of severe weather.</b>													
Expand, maintain, upgrade, and modernize city wide Tornado Siren network.	2015	Ongoing	The City of Independence is a continually growing city, and as the city grows it can outgrow the footprint of our established tornado siren capabilities. Additionally, technological failures or changes can require siren infrastructure to be upgraded, changed, or added to in order to maintain capabilities and viability. This can include access, operating systems, and cybersecurity.	Education and Awareness Programs	High	Existing	Office of Emergency Preparedness will have the lead planning duty, but will coordinate with the city Emergency Communication Center as the 24-hour backup location for siren control.	Emergency Preparedness	Ongoing	Maintenance and required upgrades have a moderate ongoing yearly cost, while expansion costs can be high. As the most visible and commonly used method of warning, ensuring there is no lapse of coverage or use is vital to ensuring life safety to anyone outside during severe weather.		Medium - High	City's General Fund, Grants, or other future sources

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Purchase Mass Notification System to better inform residents and city employees during severe weather.	2015	Ongoing	Implement a citywide notification system that can warn residents of severe weather events and other natural and manmade hazards. The system can also help facilitate effective response with city employees, volunteers, faith based partners etc.	Education and Awareness Programs	High	Existing	Work with other City departments through local ordinances to fund, implement, manage and maintain.	Emergency Preparedness	Unknown	Would give residents enhanced warnings and improved response coordination but would have a high implementation and maintenance cost.		Medium	City's General Fund, Grants, or other future sources
<b>Increase public awareness and understanding the benefits of "safe rooms."</b>													
Develop, distribute informational materials on safe rooms.	2010	Ongoing	Implemented through the City's preparedness educational and outreach program with emphasis on existing shelter facilities located throughout the City		High	Existing	Office of Emergency Preparedness function within City ordinances and codes	Office of Emergency Preparedness	Ongoing	Low/no cost mechanism to increase public safety.		Low	City's General Fund
Partner w/ trade orgs. to conduct safe room workshops.	2010	Ongoing	Work with private facilities, City and County volunteer groups, neighborhood groups, the City PIO and the Independence School District to put on workshops and classes to increase "Safe Room" awareness and utilization during severe weather events.		High	Existing	Office of Emergency Preparedness function within City ordinances and codes	Office of Emergency Preparedness	Ongoing	Low/no cost mechanism to increase public safety.		Low	City's General Fund
<b>Floods</b>													
<b>Enhance public awareness and education efforts related to flooding.</b>													
Encourage home owners and businesses to purchase flood insurance.	2020	Ongoing	The City of Independence is a CRS community with a rating of 9 which allows for a 5% discount on the flood insurance premium. Public Works sends letters annually to property owners in the special flood hazard areas informing about topics such as flood insurance and mitigation activities. The Office of Emergency Preparedness has several outreach programs to encourage home owners and businesses to purchase flood insurance.	Public Education	Medium	New and Existing	Office of Emergency Preparedness functions within City ordinances and codes	Office of Emergency Preparedness	On-going	No/low cost mechanism to encourage flood preparedness.		Low	City general funds and EMPG program grant monies
Obtain brochures and related publications on flood mitigation, preparedness, response and recovery from FEMA, SEMA, the American Red Cross and other organizations and provide them to home owners and businesses in flood-prone areas.	2020	Ongoing	The City's Office of Emergency Preparedness, Water Pollution Control and Public Works Departments have on-going program to educate the public about flooding and its associated hazards. This program includes standardized educational materials coordinated with local and regional partners. This initiative includes brochures and related publications on flood mitigation, preparedness, response and recovery from FEMA, SEMA, the American Red Cross, NFIP and other organizations.	Public Education	Medium	New and Existing	Office of Emergency Preparedness functions within City ordinances and codes	Office of Emergency Preparedness	On-going	No/low cost mechanism to encourage flood preparedness.		Low	City general funds and EMPG program grant funding

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Partner with emergency services, public health, human services organizations, appropriate state and federal agencies and the business community to conduct special public education events, such as a Flood Mitigation and Preparedness Workshop.	2020	Ongoing	The City's Office of Emergency preparedness, Water Pollution Control and Public works Departments have on-going program to educate the public about flooding and its associated hazards. This program includes standardized educational materials coordinated with local and regional partners. City department also participate in local, regional, State and national public educational events such as Safety City and Echo- Fest put on by the City each year.		Medium	New and Existing	Office of Emergency Preparedness functions within City ordinances and codes	Office of Emergency Preparedness	Ongoing	No/low cost mechanism to encourage flood preparedness.		Low	City general funds and EMPG program grant monies
<b>Examine repetitive flood loss properties in each county and determine feasible and practical mitigation options.</b>													
**As funding allows, target repetitive flood loss properties and structures for buyout.	2020	Ongoing	The City of Independence, since 1982, has worked with property owners, using city, State and Federal funding, to buyout over 58 properties that were considered repetitive loss or severe repetitive loss properties. The City continues to apply for funding opportunities to remove targeted repetitive loss properties.	HMGP - Flood Property Buyouts	High	Existing	City Codes and Community Development and Storm water plans	Public Works/Water Pollution Control	Ongoing	Preventing future flooding of properties that have had history of flood damage		High	Unknown
**Identify potential funding opportunities to implement mitigation options for repetitive flood loss properties.	2020	Ongoing	The City of Independence constantly tries to identify potential funding sources to mitigate flood losses to repetitive loss properties. This sources include private, local, state and federal grants.	HMGP - Flood Property Buyouts	Medium	Existing	City Codes and Community Development Plans	Public Works/Water Pollution Control	Ongoing	Preventing future flooding of properties that have had history of flood damage		High	City General Funds and Stormwater Sales Tax
**With stakeholders, explore incentive options to encourage property owners to take action to prevent or reduce future flood losses	2010	Ongoing	The City of Independence continually works with property owners to mitigate future flood losses. While economic incentives are not always implemented many educational programs such as building water gardens, backflow valves and landscaping are done.		High	New & Existing	Emergency Preparedness, Public works and Water Pollution Control function within Code of Ordinances	Emergency preparedness	Ongoing	Low cost mechanism to identify r ways to prevent damages to residential properties		Low	City's general fund
**Work with owners of repetitive flood loss properties to identify feasible mitigation strategies and potential opportunities; determine property owners' interest in specific mitigation options.	2020	Ongoing	The City of Independence tracks all repetitive loss properties and works with the owners to mitigate potential flood losses through potential development and storm drainage enhancements.	Structural and Non -structural flood mitigation.	High	Existing	City Codes and Community Development Plans	Public Works/Water Pollution Control	Ongoing	Preventing future flooding of properties that have had history of flood damage		Low	City General Funds and Stormwater Sales Tax
<b>Implement or improve flood warning systems.</b>													

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Determine the need for stream gauges in waterways without flood warning systems or additional stream gauges in waterways with flood warning systems already in-place.	2020	Ongoing	The City has installed real time weather stations and utilizes USGS real-time water data for local daily stream flow conditions which are operated in cooperation with the USGS.	Emergency Response	Medium	New and Existing	Office of Emergency Preparedness, Water Pollution Control and Public Works Department functions within City ordinances and codes	Office of Emergency Preparedness	Ongoing	Stream gauges are relatively cost effective measures to warn of flooding events and implement mitigation measures.		Medium	General Funds and EMPG grants
Develop and implement procedures to quickly analyze and disseminate information from flood warning systems to the public.	2020	Ongoing	Currently the City working with the Army Corps of Engineers, the National Weather Service and the Public Works and Water Pollution Control Departments to acquire real-time flood inundation prediction capability using stream gauge and forecast information.	Emergency Response	Medium	New and Existing	Office of Emergency Preparedness, Water Pollution Control and Public Works Department functions within City ordinances and codes	Water Pollution Control and Office of Emergency Preparedness	Unknown	Will ensure that citizens are prepared real time for flood events.		Low	General Funds and EMPG grants
Work with local governments and other stakeholders to share data from flood warning systems in multiple jurisdictions.	2020	Ongoing	The City has real-time weather data stations that track local rainfall amounts that are fully accessible to regional, State and Federal stakeholders. This system has been in place since 2007.	Emergency Response	Medium	New and Existing	Office of Emergency Preparedness, Water Pollution Control and Public Works Department functions within City ordinances and codes	Water Pollution Control and Office of Emergency Preparedness	Ongoing	Data Sharing is a relatively low cost effective measures to warn of flooding events and implement mitigation measures. Sharing of data will improve county floodplain management.		Low	General Funds and EMPG grants
<b>Improve flood hazard assessments and flood mapping.</b>													
<b>**Comprehensive Watershed Analysis and Floplain Evaluation of the Little Blue River. Perform detail hydrologic and hydraulic modeling to accurately reflect flood zones/risks in this rapidly developing multi-jurisdictional corridor.</b>	2020	Will start in 2021	City is working with the USACE to scope and prepare for this comprehensive study of the Little Blue River corridor from Lee's Summit to the Missouri River	FMA/PDM - Planning, modeling, and mapping	High	New and Existing Areas	Working with City's Departments, US Army Corp of Engineers, SEMA, and adjacent communities	Water Pollution Control, Public Works	2025	Provide reliable mapping and flood risk analysis. Other aspects of this study may include water quality assessments and improvements and especially those associated with riparian corridor preservation.		Medium	City's General Funds/USACE/ other federal funds
<b>**Conduct an in-depth flood risk analysis utilizing HAZUS data and create detailed maps based on GIS technology to identify areas at risk from flooding.</b>	2020	To start in 2022	The City currently uses the HAZUS software at for Level One reviews. It is currently exploring the future integration of GIS data to increase the accuracy of flood inundation prediction capabilities in partnership , the Water Pollution Control and Public Works Departments.	Planning strategy to keep new developments or redevelopment out of floodplains	Medium	New and Existing Areas	City departmental functions within City ordinances and codes and Regulated through the adoption of NFIP CRS programs (October 1991) and IBC 2018 codes (January 2019)	Water Pollution Control, Public Works	Ongoing	Most data readily available and can be easily imported to identify potential areas for increased mitigation efforts.		Low	City's General Funds
<b>**Coordinate the collection of demographic, economic, watershed, land use and other data required by the HAZUS-Flood software program and/or GIS systems.</b>	2020	To start in 2021	The City currently uses the HAZUS software at for Level One reviews. It is currently exploring the future integration of GIS data to increase the accuracy of flood inundation prediction capabilities in partnership , the Water Pollution Control and Public Works Departments.	Planning strategy to keep new developments or redevelopment out of floodplains	Medium	New and Existing Areas	City departmental functions within City ordinances and codes and Regulated through the adoption of NFIP CRS programs (October 1991) and IBC 2006 codes (January 2009)	Water Pollution Control, Public Works	Ongoing	Most data readily available and can be easily imported to identify potential areas for increased mitigation efforts.		Low	City's General Funds

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**Obtain parcel data (assessed valuation and other information) for flood boundary areas and enhance vulnerability assessments for these areas.	2020	Ongoing	Although flood hazard areas of the City have been mapped since 2004 with current FEMA flood map and the digital data integrated into city geo-data on a regular basis. The City continues to review flood hazard areas and incorporate necessary changes as needed.	Planning strategy to keep new developments or redevelopment out of floodplains	Medium	New and Existing Areas	City departmental functions within City ordinances and codes and Regulated through the adoption of NFIP CRS programs (October 1991) and IBC 2018 codes (January 2019)	Water Pollution Control, Public Works	Ongoing	Most data readily available and can be easily imported to identify potential areas for increased mitigation efforts.		Low	City's General Funds
**Purchase HAZUS-Flood software from FEMA, possibly in conjunction with other local or regional stakeholders.	2020	Ongoing	The City currently uses the HAZUS software at for Level One reviews. It is currently exploring the future integration of GIS data to increase the accuracy of flood inundation prediction capabilities in partnership, the Water Pollution Control and Public Works Departments.	Planning strategy to keep new developments or redevelopment out of floodplains	Medium	New and Existing Areas	City departmental functions within City ordinances and codes and Regulated through the adoption of NFIP CRS programs (October 1991) and IBC 2018 codes (January 2019)	Water Pollution Control, Public Works	Ongoing	Most data readily available and can be easily imported to identify potential areas for increased mitigation efforts.		Low	City's General Funds
<b>Integrate flood mitigation strategies with projects and activities designed to (1) protect, restore or enhance ecosystems and the environment and/or (2) create recreational opportunities for the community.</b>													
Consider alternative uses for floodplains and flood-prone areas, such as sports fields, parks, wildlife habitats, etc.	2020	Ongoing	Where applicable, flood buyout properties will be evaluated for future usage, including sports fields, parks, wildlife habitats, etc. In most cases, the areas will qualify as riparian corridor and be allowed to be naturally restored.	HMGP - Flood Buyouts	Medium	Existing	City Codes and Regulations and NFIP CRS programs	Water Pollution Control and Public Works Department	Ongoing	Preventing future flooding of properties that have had history of flood damage		High	City general funds and/or grant funding
Consider the construction of detention basins, small lakes and greenways or conserving riparian corridors in areas of new development to channel and capture storm water, thereby reducing the likelihood of flooding.	2020	Ongoing	The City continues to maintain and expand a network of regional detention basins to help reduce flooding potential and impacts throughout the city. Native plantings are used within the network of detention basins, incorporating water quality improvement potential. In the current 5-year plan, planning and design work for the Bundschu detention basin, along Bundschu Road, will occur. The City has already implemented a riparian corridor preservation program and will continue to implement this conservation program for all new developments.	FMA/PDM	High	New	Storm water and Community Development Plans	Water Pollution Control	Ongoing	Will prevent flooding for moderate costs		Medium	Unknown

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Develop partnerships between regional emergency management, floodplain management and environmental groups to educate one another and the public of the benefits of collaboration and identify specific programs and activities that can be developed and implemented jointly.	2020	Ongoing	The City has on-going programs to educate the public about flooding and its associated hazards. This program includes standardized educational materials coordinated with local and regional partners. City departments also participate in local, regional, State and national public educational events such as Safety City and Eco-Fest, hosted by the City each year.  The City's stormwater sales tax, approved by vote and established in 2000, secures funds for stormwater mitigation activities. Oversight of the sales tax usage is comprised of the Stormwater Oversight Committee (SWOC), consisting of Independence citizens. The Committee meets quarterly and includes presentations to Council to help educate about the program's achievements.	Planning Strategies	High	Existing	City departmental functions within City ordinances and codes	Water Pollution Control and Public Works Department and Office of Emergency Preparedness	Ongoing	Low/no cost mechanism to increase public safety.		Low	Stormwater Sales Tax funds & Regional Detention funds
Engage both public and private stakeholders in flood control projects to encourage mutually beneficial activities to promote flood control with other stakeholder goals.	2020	Ongoing	The City has on-going programs to educate the public about flooding and its associated hazards. When Water Pollution Control determines the need for a regional detention basin within an area, public meetings are held with property owners to discuss the flood control needs of the project. Public comments help steer design considerations to address the flood control efforts as well as mutually beneficial activities. For instance, in the 39th Street and Phelps detention basin, trails were incorporated to help promote public engagement with the native plants and ecosystem.	Public Education	Medium	New and Existing		Water Pollution Control	Ongoing	Low		Low	Stormwater Sales Tax funds & Regional Detention funds
Identify funding sources for the acquisition of flood-prone land for environmental, recreational and flood mitigation uses.	2020	Ongoing	The City continues to apply for State and Federal grants to support and enhance flood mitigation and prevention programs. This includes identifying funding sources for the acquisition of flood-prone land for environmental, recreational and flood mitigation uses.	Flood Water Reduction/Storm water Conveyance Improvements	High	Existing	City Codes and Regulations	Water Pollution Control and Public Works Department	Ongoing	Preventing future flooding of properties that have had history of flood damage		Low	City general funds and/or grant funding

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In concert with existing comprehensive and land use plans, develop a strategy for acquiring flood-prone property for use as open space or park land.	2020	Ongoing	The City of Independence, since 1982, has worked with property owners, using city, State and Federal funding, to buyout over 58 properties that were considered either repetitive loss or severe repetitive loss properties. The City continues to apply for funding opportunities to remove targeted repetitive loss properties. As part of these buyouts, each property is deed restricted, requiring the land to be used for open space.	HMGP - Flood Property Buyouts	High	Existing	City Codes and Regulations	Public Works	Ongoing	Preventing future flooding of properties that have had history of flood damage		High	Unknown
Work with area environmental groups, property owners and other stakeholders to develop and implement flood mitigation strategies that also promote the restoration and/or sustainability of fish and wildlife habitats	2020	Ongoing	The City works with property owners and other stakeholders to develop and implement flood mitigation strategies which promotes protection of fish and wildlife habitats. Water Pollution Control works with volunteer groups. For instance, the Boy Scouts installed butterfly moats within the Elm Street detention basin. This volunteer effort helped establish and improve ecosystem infrastructure to encourage butterfly inhabitation. The City continues to find opportunities with volunteer organizations to promote wildlife habitats.	Planning Strategies	Medium	Existing	Office of Emergency Preparedness function within City ordinances and codes	Water Pollution Control and Public Works Departments	Ongoing	Natural riparian corridors restored and preserved result in improved water quality.		Low	Stormwater Sales Tax funds & Regional Detention funds
<b>Participate in, and ensure compliance with, flood mitigation and floodplain management programs.</b>													
**Obtain the latest copies of flood insurance rate maps (FIRMs), floodplain maps and similar documents.	2020	Ongoing	The city continues to maintain up-to-date flood maps and tracks any LOMR etc. Current flood maps are dated May 2013	Floodplain Management	High	New and Existing	Office of Emergency Preparedness and Public Works Department functions within City ordinances and codes	Public Works Department and Office of Emergency Preparedness	Ongoing	Having and maintaining most current FIRM map editions will allow for most accurate review of floodplain management.		Low	City General Funds
**Participate in the National Flood Insurance Program (NFIP) and Community Rating System (CRS).	2020	Ongoing	The City adopted NFIP in October 1991 and has been a CRS programs participant since 10/1991. The City continues to participate in the program completing mandatory maintenance as required by program regulations.	Floodplain Management	High	New and Existing	Office of Emergency Preparedness and Public Works Department functions within City ordinances and codes	Public Works Department and Office of Emergency Preparedness	Ongoing	Will ensure reduced insurance rates for homeowners and businesses while controlling recovery costs.		Low	City General Funds
<b>Reduce flood-related damage to public, residential and commercial property in flood-prone areas through structural and nonstructural retrofits or removal of property.</b>													



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**As funding allows, repetitive flood loss properties and structures will be targeted for buyout.	2020	Ongoing	The City of Independence, since 1982, has worked with property owners, using city, State and Federal funding, to buyout over 58 properties that were considered repetitive loss or severe repetitive loss properties. The City continues to apply for funding opportunities to remove targeted repetitive loss properties.	HMGP - Flood Buyouts	High	Existing	Emergency Preparedness, Public works and Water Pollution Control function within Code of Ordinances	Public Works	Ongoing	Initial high cost but prevents future flooding of properties that have had history of high cost flood damage		High	City general funds and/or grant funding
Elevate public facilities in flood-prone areas. Encourage home owners and businesses to elevate their structures.	2020	Ongoing	The City of Independence constantly tries to identify potential funding sources to mitigate flood losses to repetitive properties by encouraging owners and businesses to elevate their structures in flood prone areas	Structural and Non-Structural Flood Mitigation	Med	Existing	Emergency Preparedness, Public works and Water Pollution Control function within Code of Ordinances and as Regulated through the adoption of NFIP CRS programs (October 1991) and IBC 2018 codes (January 2019)	Public Works	Ongoing	Initial high cost but prevents future flooding of properties that have had history of high cost flood damage		High	Private Sector and City general funds and/or grant funding
Elevate public facilities, commercial businesses, and residential structures to reduce flood risk.	2020	Ongoing	The City is a participating community in the National Flood Insurance Program (NFIP). New development requires elevation of structures above the base flood elevation (BFE) determined for the 1% storm with 1 foot of freeboard. Information is based on the 2017 flood insurance rate maps (FIRM) adopted January 2017. Building above the 1% BFE helps reduce flooding potential.	Flood Risk Mitigation	High	New		Public Works	Ongoing	Raising the structure's base floor elevation versus the base flood elevation reduces risk of flooding for larger storm events (i.e. the 1% or 100-year frequency storm).		Low	Public/private partnering
Encourage homeowners and businesses in flood-prone areas to elevate mechanical systems (i.e., furnaces, hot water heaters, electrical panels, etc.).	2020	Ongoing	The City's Water Pollution Control Department and Office of Emergency Preparedness works with property owners and other stakeholders to develop and implement flood mitigation strategies which promotes protection of these items	Elevation of Mechanical Systems/Risk Mitigation	High	Existing	City departmental functions within City ordinances and codes	Water Pollution Control and Office of Emergency Preparedness	Ongoing	Low/no cost mechanism to increase public safety and reduce high cost flood damages		Low	City general funds and/or grant funding
Encourage utility providers to assess their facilities, distribution systems, etc. for vulnerability to flooding and, if necessary, retrofit or modify them to decrease vulnerability.	2020	Ongoing	The City owns the water, electrical and sewer utilities and assess their facilities, distribution systems, etc. for vulnerability to flooding. Each vulnerability is evaluated and where applicable, the Utility tries to retrofit or modify the facility to reduce flood risk.	Risk Reduction by Mitigation	Medium	New & Existing	City departmental functions within City ordinances and codes and Regulated through the adoption of NFIP CRS programs (October 1991) and IBC 2018 codes (January 2019)	City Utility Departments	Ongoing	While initial cost is high, will reduce recovery and replacement costs from flooding events		High	City general funds and/or grant funding

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Encourage water and wastewater districts to elevate vulnerable equipment, electrical controls and other equipment at wastewater treatment plants, potable water treatment plants and pumping stations.	2020	Ongoing	All City departments work to reduce flood damages to infrastructure when designing new projects and mitigate current facilities as funding is available.	Elevation of Mechanical Systems/Risk Mitigation	High	New & Existing	City departmental functions within City ordinances and codes and Regulated through the adoption of NFIP CRS programs (October 1991) and IBC 2018 codes (January 2019)	All City Departments	Ongoing	While this may increase building and development costs, will reduce significant flood impacts		Medium	City general funds and/or grant funding
**Identify incentives to offer home owners and businesses to remove or retrofit their structures in flood-prone areas.	2020	Ongoing	The City of Independence constantly tries to identify potential funding sources to mitigate flood losses to repetitive properties by encouraging owners and businesses to retrofit their structures to prevent flooding.  The City will be to partner with the US Army Corp of Engineers through their Silver Jackets program, to help provide flood mitigation strategies for vulnerable structures.	Structural and Non-Structural Flood Mitigation	High	Existing	Emergency Preparedness, Public works and Water Pollution Control function within Code of Ordinances and as Regulated through the adoption of NFIP CRS programs (October 1991) and IBC 2018 codes (January 2019)	Public works and Office of Emergency preparedness	Ongoing	Initial high cost but prevents future flooding of properties that have had history of high cost flood damage		High	Private Sector and City general funds and/or grant funding
Identify storm sewer and waste water systems to identify and upgrade areas where infrastructure needs repair, replacement, or upgrade	2020	Ongoing	The City of Independence is constantly growing, changing, expanding. Existing stormwater systems might not be adequate to properly contain, control, or convey stormwater flow, which increases the potential for flooding of structures and properties. The Stormwater Sales Tax and Program provides a system of project evaluation and rating to prioritize stormwater improvement projects throughout the city. Since its inception in 2000, the program has completed over 100 projects, helping to reduce flood occurrences.	System Upgrades and Rehabilitation	High	Existing	Emergency Preparedness, Public works and Water Pollution Control function within Code of Ordinances and as Regulated through the adoption of NFIP CRS programs (October 1991) and IBC 2018 codes (January 2019)	Public Works, Water Pollution Control, Office of Emergency Preparedness	Ongoing	High cost of repair, but can result in extremely high flood losses if there is a system failure or overload		High	Stormwater Sales Tax and sanitary sewer fee/rates
<b>Work with partner agencies to implement flood inundation prediction capability.</b>													
**Implement flood prediction software programs in coordination with existing systems already utilized by surrounding jurisdictions	2025	Ongoing	Develop software and hardware systems in the Emergency Operations Center to help predict flooding throughout the city	Emergency Response	Medium	New	Office of Emergency Preparedness function within City ordinances and codes	Water Pollution Control and Office of Emergency Preparedness	Unknown	Will ensure that citizens are prepared real time for flood events.		Medium	Unknown
<b>Severe Winter Weather</b>													
<b>Encourage electric and telecommunications utilities to protect their existing infrastructure from the effects of severe winter weather.</b>													

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Adopt ordinances or regulations requiring the underground placement of new electric and telecommunications transmission lines.	2010	Ongoing	The City of Independence Power and Light Department does not have any ordinances requiring underground placement of electrical infrastructure but has extensive mitigation programs customers can choose to participate in that place electric lines underground. Customers can pay for a portion of the cost over a period of time through their electric bill.		High	Existing	Power & Light function within City ordinances and codes	City's Power and Light Department	On-going	Would reduce recovery costs and better limit damage/interruption to electrical and communications services.		High	City's General Funds and HMGP monies
Budget for the incremental replacement of existing above-ground utility lines with underground utility lines.	2010	Ongoing	The City has extensive mitigation programs customers can choose to participate in that place electric lines underground. Customers can pay for a portion of the cost over a period of time through their electric bill.		High	Existing	Power & Light function within City ordinances and codes	City's Power and Light Department	On-going	Would reduce recovery costs and better limit damage/interruption to electrical and communications services.		Medium	City's General Funds and HMGP monies
Offer incentives to utility providers to replace existing above-ground utility lines with underground utility lines.	2010	Ongoing	The City has extensive mitigation programs customers can choose to participate in that place electric lines underground. Customers can pay for a portion of the cost over a period of time through their electric bill.		High	Existing	Power & Light function within City ordinances and codes	City's Power and Light Department	On-going	Would reduce recovery costs, but would have high initial implementation.		High	City's General Funds and HMGP monies
<b>Enhance public awareness of severe winter weather mitigation and preparedness activities.</b>													
Collect and disseminate public education materials that address winter weather safety, preparedness and mitigation activities.	2010	Ongoing	The City's Office of Emergency Preparedness has an on-going program to educate the public about "All hazards" preparedness and safety. This program includes standardized educational materials that address the hazards of severe winter weather.		High	Existing	Office of Emergency Preparedness function within City ordinances and codes	Office of Emergency Preparedness	On-going	No/low cost mechanism to increase public safety.		Low	City's General Funds
Develop and conduct a public education and awareness campaign on properly winterizing homes.	2010	Ongoing	The City's Office of Emergency Preparedness has an on-going program to educate the public about "All hazards" preparedness and safety. This program includes standardized educational materials that address the hazards of severe winter weather.		High	Existing	Office of Emergency Preparedness function within City ordinances and codes	Office of Emergency Preparedness	On-going	No/low cost mechanism to increase public safety.		Low	City's General Funds and EMPG monies

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Partner with emergency services, public health and community groups to conduct special public education events, such as a Severe Winter Weather Awareness Day.	2010	Ongoing	The City's Office of Emergency Preparedness has on-going programs to educate the public about "all Hazards" safety including severe winter weather. These programs include standardized educational materials coordinated with local and regional partners. These partners include City Departments, local faith based organizations and many other public and private groups. The Office of Emergency Preparedness also participates in local and regional public educational events such as the Safety City Preparedness show.		High	Existing	Office of Emergency Preparedness function within City ordinances and codes	Office of Emergency Preparedness	On-going	No/low cost mechanism to increase public safety.		Low	City's General Funds
Provide vulnerable populations with winter weather safety, preparedness and mitigation information.	2010	Ongoing	The City's Office of Emergency Preparedness has an on-going program to educate the public about "All hazards" preparedness and safety. This program includes standardized educational materials that address the hazards of severe winter weather.		High	Existing	Office of Emergency Preparedness function within City ordinances and codes	Office of Emergency Preparedness	On-going	No/low cost mechanism to increase public safety.		Low	City's General Funds and EMPG monies
<b>Ensure at-risk, low income and elderly residents have adequate heat in their homes.</b>													
Partner with community service organizations to provide materials and volunteer labor to assist at-risk groups, low income residents and the elderly with winterizing their homes.	2010	Ongoing	Although the City does not have a program in place to assist at-risk groups to winterize their homes. The city does promote its Citizen Corps volunteers to work with other private organizations involved in these type programs.		Med	Existing	Office of Emergency Preparedness within City ordinances and codes	Office of Emergency Preparedness	Ongoing	Low cost mechanism to support vulnerable populations access to heating to prevent death/injury from exposure to winter storms.		Low	General Funds and EMPG grants

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Work with utility providers to develop and implement programs to reduce, eliminate or defer home heating costs for elderly, low income and at-risk people in the community.	2010	Ongoing	The City of Independence has several programs to reduce or eliminate home heating cost. The Independence Rate Assistance Program (IRAP) works with qualified low income families, elderly and special needs individuals to cut their energy bills in half. The I-SHARE program is where the City budgets money each year to match a dollar for dollar contributions donated by community partners to pay utility assistance for qualified low income households. The City's Power and Light Department also has an Average Share program where utility customers can average their electric bills over a year's period of time. The City has also started a program to pay utility customers \$20.00 for every energy assistance application to apply for the Federal energy assistance program.		High	Existing	Power & Light function within City ordinances and codes	City's Power and Light Department	On-going	High Cost mechanism to support vulnerable populations access to heating but can prevent high numbers of death/injury from exposure to winter storms.		High	City's General Funds and grants
<b>Ensure local governments and human services agencies are aware of facilities across the Kansas City area with generators or emergency power that can be used as shelters in the event of severe winter weather.</b>													
Consider the adoption of policy A77:P77s requiring generators or other emergency power systems in the construction of new public facilities.	2010	Ongoing	The City has policies in place for generators required in "Safe Room" applications. The City is also working with MARC to obtain funding to pre-wire Red Cross identified shelters for generators through UASI Mass Care initiatives. The City's Office of Emergency Preparedness has an on-going program to develop relationships with potential shelters located throughout the City to pre-wire or purchase generators for their facilities.		High		Office of Emergency Preparedness, Water Pollution Control and Public Works Department functions within City ordinances and codes	Public Works, Office of Emergency preparedness	Ongoing	Fairly high cost program to implement, but would help ensure continuity of government operations.		Medium	City's General Fund, Grants, or other future sources
Retrofit otherwise suitable existing facilities with generators for emergency power.	2010	Ongoing	The City has numerous shelters that have back-up power, but the county continues to work with existing and future shelter locations to find ways to retrofit them with emergency power.		High	Existing	Office of Emergency Preparedness functions within City ordinances and codes	Office of Emergency Preparedness	Ongoing	Fairly high cost installation price but will ensure continuity of shelter operations.		Medium	City's General Fund, Grants, or other future sources
<b>Since traffic accidents account for 70% of injuries related to ice and snow, develop and implement programs to improve road conditions and protect motorists during severe winter weather</b>													
Budget for the stockpiling of sand, salt and other materials necessary to reduce or eliminate ice on roadways and improve road conditions.	2010	Ongoing	This expense is outlined in the Public Works budget on a yearly basis and funding amount is reviewed every year.		Low	New	Public Works function within Code of Ordinance	Public Works	Ongoing	Will ensure continued open roadways.		Medium	General Fund

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In an effort to reduce the number of people on the roadways during periods of severe winter weather, develop and implement "snow day" plans and policies for non-essential personnel and encourage private sector and non-profit employers in the community to	2010	Ongoing	The City does have procedures in-place regarding "snow days" for public employees and continues to work on educating non-governmental organizations on the hazards of employees on roadways during severe winter weather.		Low	New	Public works and Law Enforcement function within Code of Ordinance	Public Works	Ongoing	Short-term potential lost productivity will be offset by savings from potential employee injury and also reduce traffic and delays that would otherwise occur.		Low	General Fund
Partner with area local governments to establish a mutual aid system for sand, salt and other materials and their delivery resources (i.e., trucks, crews, etc.).	2010	Ongoing	The City's Public Works Department is part of a regional Public Works Mutual Aid Agreement through the MARC organization		Medium	New	Public Works function within Code of Ordinance	Public Works	Ongoing	Low cost mechanism to cost share and increase availability of sand stockpiles.		Low	General Fund
Work with area local governments and MARC to develop a regional "pool" of sand, salt and other materials necessary to reduce or eliminate ice on roadways.	2010	Ongoing	The City's Public Works Department works with regional partners regarding salt and sand contracts		Medium	New	Public Works function within Code of Ordinance	Public Works	Ongoing	Low cost mechanism to cost share and increase availability of sand stockpiles.		Low	General Fund
<b>Drought</b>													
<b>Assess the vulnerability of water systems.</b>													
Conduct an assessment of the vulnerability and water use demand of local water systems by utilizing the procedures in the Missouri Drought Plan.	2010	Ongoing	The City of Independence Water Department continually assess the demands on the water system and has plans in place for drought emergencies		High	Existing	Water Department function within City ordinances and codes along with procedures in Missouri Drought Plan	Independence Water Department	Ongoing	Relatively low cost mechanism to inform mitigation strategies		Low	City's General Funds
<b>Encourage improvements to water system infrastructures to reduce vulnerability to drought and meet water use demands.</b>													
Budget for infrastructure improvements to municipal water systems.	2010	Ongoing	The City has implemented a Leak detection system to determine if underground water pipe infrastructures are leaking water.		High	Existing	Water Department and Water Pollution Control Department function within City ordinances and codes	City's Water Department	On-going	Targeted and phased improvements will improve efficiency and reduce future recovery and replacement costs.		High	City's General Funds
Identify and apply for state and federal grants to improve water treatment plants, transmission systems, water mains and related infrastructure.	2010	Ongoing	The City consistently continues to apply for State and Federal grants for water system infrastructure improvements		High	New	Water Department and Water Pollution Control Department function within City ordinances and codes	City's Water Department	On-going	High cost mechanism to implement but greatly increases water conservation measures.		High	City's General Fund, Grants, or other future sources
<b>Encourage water conservation efforts by commercial, industrial and private water users.</b>													
Develop and implement a program to encourage voluntary water conservation.	2010	Ongoing	City works partners the Water Pollution Control Division to conduct local public educational programs. This includes supplying literature and conducting presentations at local schools and civic events.		Medium	Existing	Water Department and Water Pollution Control Department function within City ordinances and codes	City's Water Department	On-going	Low cost mechanism to increase support water conservation measures.		Low	City's General Funds
<b>Enhance public awareness of drought, drought mitigation, state and local drought response actions and water conservation measures.</b>													
Develop and conduct public education and awareness programs on drought mitigation, drought response and water conservation.	2010	Ongoing	City Water Department partners with the Water Pollution Control Division to conduct local public educational programs. This includes supplying literature and conducting presentations at local schools and civic events.		Medium	New	Water Department function within City ordinances and codes	City's Water Department	On-going	Low cost mechanism to support drought response.		Low	City's General Funds
<b>Ensure plans and procedures addressing local drought response, drought mitigation and long-term water planning are developed.</b>													

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Develop local procedures implementing the provisions of the Missouri Drought Plan.	2010	Ongoing	City is constantly utilizing local, state and federal programs and guidance regarding long term planning				Water Department function within City ordinances and codes along with procedures in Missouri Drought Plan	Independence Water Department	Ongoing	Low cost mechanism to support drought response.		Low	City's General Funds
Review the Missouri Drought Plan, as well as local drought plans available from MDNR, and develop a local drought plan.	2010	Ongoing	City is constantly utilizing local, state and federal programs and guidance regarding long term planning		High		Water Department function within City ordinances and codes along with procedures in Missouri Drought Plan	Independence Water Department	Ongoing	Low cost mechanism to support drought response.		Low	City's General Funds
Working with MARC, develop drought plans and water conservation programs.	2010	Ongoing	City is utilizing local programs and guidance and coordinates with MARC regarding water drought and conservation programs in local plans				Water Department function within City ordinances and codes along with procedures in Missouri Drought Plan	Independence Water Department	Ongoing	Low cost mechanism to support drought response.		Low	City's General Funds
<b>Heat Waves</b>													
<b>Enhance public awareness of the hazards associated with heat waves, precautionary measures and area heat wave mitigation and preparedness activities.</b>													
Collect and disseminate public education materials that address heat wave safety, preparedness and mitigation activities.	2010	Ongoing	The City's Office of Emergency Preparedness has an on-going program to educate the public about "All hazards" preparedness and safety. This program includes standardized educational materials that address the hazards heat waves can cause. This year the City also adopted and implemented the regional 'Heat Health Warning System' which will bring advanced notification and education to citizens regarding the forecasting of high heat conditions.		High	Existing	Office of Emergency Preparedness, City Health Department function within City ordinances and codes	Office of Emergency Preparedness	On-going	Low cost mechanism to increase public safety.		Low	City's General Funds
Develop and conduct a public education and awareness campaign on properly weather stripping homes.	2010	Ongoing	The City's Office of Emergency Preparedness has an on-going program to educate the public about "All hazards" preparedness and safety. This program includes standardized educational materials that address the hazards heat waves can cause. The educational program also includes information about making residents homes more energy efficient. The City's power and Light Department also has an educational program to help residents improve their homes energy efficiency and will go to residents homes to survey the structure.		High	Existing	Office of Emergency Preparedness, City Health Department function within City ordinances and codes	Office of Emergency Preparedness and Power and Light Department	On-going	Low cost mechanism to increase public safety.		Low	City's General Funds

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Provide vulnerable populations with public education materials that address heat wave safety, preparedness and mitigation activities.	2010	Ongoing	The City's Office of Emergency Preparedness has an on-going program to educate the public about "All hazards" preparedness and safety. This program includes standardized educational materials that address the hazards heat waves can cause. This year the City also adopted and implemented the regional 'Heat Health Warning System' which will bring advanced notification and education to citizens regarding the forecasting of high heat conditions.		High	Existing	Office of Emergency Preparedness, City Health Department function within City ordinances and codes	Office of Emergency Preparedness	On-going	Low cost mechanism to increase public safety.		Low	City's General Funds
Work with the media to publish special newspaper sections or conduct periodic broadcasts with emergency information on extreme heat.	2010	Ongoing	This year the City also adopted and implemented the regional 'Heat Health Warning System' which will bring advanced notification and education to citizens regarding the forecasting of high heat conditions. This program is designed to communicate standardized warning guidelines and conditions to the public through partnering organizations such as the NWS and local new media outlets. The City's Office of Emergency Preparedness also participates with the regional Integrated Warning Team. This group is task to bring all organizations with responsibilities regarding warning the public about severe weather events together to develop more resilient and effective warnings.		High	Existing	Office of Emergency Preparedness, City Health Department function within City ordinances and codes	Office of Emergency Management	On-going	Low cost mechanism to increase public safety.		Low	City's General Funds
<b>Ensure at-risk, low income and elderly residents have adequate air conditioning (or fans) and ventilation in their homes.</b>													
Identify at-risk, low income and elderly residents and develop a database and map (or GIS layers) of their places of residence.	2010	Ongoing	The office of Emergency Preparedness is currently exploring ways to get at-risk populations into a GIS database. One option is to use a Mass Notification service such as Everbridge or Regroup.		High	Existing	Office of Emergency Preparedness, City Health Department function within City ordinances and codes	Office of Emergency Preparedness	On-going	Medium cost method to identify at-risk populations to prevent injury of death		Medium	City's General Fund, Grants, or other future sources
Partner with community service organizations and area businesses to provide air conditioners and/or fans to at-risk groups, low income residents and the elderly.	2010	Ongoing	The City's Office of Emergency Preparedness has numerous City facilities that are air conditioned and available to residents during times of severe heat conditions. The City also coordinates with the United Ways regional 211 information system to help residents identify local "Cooling Centers"		High	Existing	Office of Emergency Preparedness, City Health Department function within City ordinances and codes	Office of Emergency Preparedness	On-going	Low cost mechanism to support resiliency for vulnerable populations during heat waves.		Low	City's General Fund
<b>Ensure local governments and human services agencies are aware of air conditioned facilities across the Kansas City metropolitan area that can be used as shelters in the event of a heat wave.</b>													



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Partner with MARC, local public health agencies, emergency management agencies, the American Red Cross, Salvation Army and other stakeholders to inventory public, private and non-profit facilities that are air conditioned and can be used as "heat emergency shelters" in the event of a heat wave.	2010	Ongoing	The City of Independence works with several local and regional stakeholders to ensure the City has numerous "Cooling Centers" open to the public during times of severe heat waves.		High	Existing	Office of Emergency Preparedness, City Health Department function within City ordinances and codes	Office of Emergency Preparedness	On-going	Low cost mechanism to identify mitigation strategies for populations vulnerable to heat waves.		Low	City's General Fund
Retrofit otherwise suitable existing facilities with air conditioning systems and designate them as shelters for use during heat waves.	2010	Ongoing	Currently the City has numerous shelter sites, but efforts to continue increasing shelter facilities through the City's educational preparedness programs and Faith Based Initiative are ongoing. Many of these sites have air-conditioning but efforts continue to try and retrofit those shelters that are not climate controlled.		High	Existing	Emergency Preparedness utilizes the Safe Shelter Partnership for cooling centers in addition to the Salvation Army and United Way	Office of Emergency Preparedness	Ongoing	Medium cost mechanism to assure populations vulnerable to heat waves are protected.		Medium	City's General Fund, Grants, or other future sources
<b>Ensure programs and procedures to mitigate, prepare for and respond to heat waves are developed and implemented.</b>													
Develop local heat emergency plans or heat wave annexes to local emergency operations plans.	2010	Ongoing	All weather emergency procedures and plans are continually being updated.		High	Existing	Office of Emergency Preparedness function within City ordinances and codes	Office of Emergency Preparedness	Ongoing	Low cost mechanism to increase public safety.		Low	EMPG and City's General Fund
Partner with public safety agencies, local public health agencies and community groups to develop a program to regularly check on elderly, low income and at-risk people in the community during heat waves.	2010	Ongoing	The City has a severe heat plan that coordinates with public and private agencies to check on at-risk populations in the City. This is an on-going program continually identifying additional partners such as CERT, VIPS and faith based organizations.		High	Existing	Office of Emergency Preparedness, City Health Department function within City ordinances and codes	Office of Emergency Preparedness	On-going	Low cost mechanism to increase public safety.		Low	City's General Funds
Work with community groups to sponsor a program to encourage people to think of those who require special assistance (this effort can be incorporated into Neighborhood Watch, CERT or similar programs).	2010	Ongoing	The City has a severe heat plan that coordinates with public and private agencies to check on at-risk populations in the City. This is an on-going program continually identifying additional partners such as CERT, VIPS and faith based organizations.		High	Existing	Office of Emergency Preparedness, City Health Department function within City ordinances and codes	Office of Emergency Preparedness	On-going	Low cost mechanism to increase public safety.		Low	City's General Funds
<b>Dam Failures</b>													
<b>Enhance public awareness of the hazards associated with dam failures, as well as mitigation and preparedness activities.</b>													
Collect and disseminate public education materials that address dam safety, preparedness and mitigation activities.	2010	Ongoing	The City's Office of Emergency Preparedness has an on-going program to educate the public about "All hazards" preparedness and safety. This program includes standardized educational materials that address the hazards of dam failures.		High	Existing	Office of Emergency Preparedness, within City ordinances and codes	Office of Emergency Preparedness	On-going	Low cost mechanism to increase public safety.		Low	City's General Funds

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Provide property owners in or near the inundation pathways of dams with information on dam safety, preparedness and mitigation activities.	2010	Ongoing	The City's Office of Emergency Preparedness has an on-going program to educate the public about "All hazards" preparedness and safety. This program includes standardized educational materials that address the hazards of dam failures. The City has two potential large dams that would affect our population should it fail.		High	Existing	Office of Emergency Preparedness, within City ordinances and codes	Office of Emergency Preparedness	On-going	Low cost mechanism to increase public safety.		Low	City's General Funds
Work with MDNR and USACE to conduct a public education campaign to inform citizens living near the inundation pathways of dams of the need to be familiar with the emergency action plans for these dams.	2010	Ongoing	The City's Office of Emergency Preparedness has an on-going program to educate the public about "All hazards" preparedness and safety. This program includes standardized educational materials that address the hazards of dam failures.		High	Existing	Office of Emergency Preparedness, within City ordinances and codes	Office of Emergency Preparedness	On-going	Low cost mechanism to increase public safety.		Low	City's General Funds
<b>Levee Failures</b>													
<b>Improve response planning for Levee Failure</b>													
Work with the water department to ensure the levees surrounding the water plant are adequate and properly maintained.	2015	Ongoing		Local Plans and Regulations	High	New & Existing	EOP	Office of Emergency Preparedness	Ongoing	Low cost mechanism to increase public safety.		Low	City's General Funds