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SECTION 20: PAST ACTIONS

At the mitigation workshops held during the planning process, planning team members were given copies of the mitigation actions submitted in the 2005 Plan as well as the two mitigation actions added in 2007 and 2008 by the Dewitt County Drainage District and the City of Austwell, respectively. Each jurisdiction reviewed the previous action and provided an analysis as to whether the action had been completed, should be deferred as an ongoing activity, or should be deleted from the plan. The actions from the 2005 Plan are included in this section as they were written in 2005, with the exception of the “2010 Analysis” section. Sometimes hazards addressed are listed as “multiple hazards” or “all hazards” as this was allowed per the state and FEMA regulations at the time the actions were developed.

GBRA

GBRA (Past Action)-1	
Proposed Action:	Conduct an annual workshop with the National Weather Service (NWS) for the County EMCs and Floodplain Administrators within the GBRA ten-county district
BACKGROUND INFORMATION	
Site and Location:	Guadalupe-Blanco River Authority
History of Damages:	The Guadalupe River basin has experienced numerous floodings since the 1930's. On an average, the Guadalupe River records a flood event every 5 years.

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	Flood
Priority (High, Moderate, Low):	High
Estimated Cost:	\$1000/year
Potential Funding Sources:	General funds
Lead Agency/Department Responsible:	GBRA and NWS
Implementation Schedule:	Ongoing

2010 Analysis:
Ongoing workshops and education of FPA's continues to be a goal

SECTION 20: PAST ACTIONS

GBRA (Past Action)-2	
Proposed Action:	Continue to participate in the funding of Phase 2 and Phase 3 of the COE Cibolo Watershed Study
BACKGROUND INFORMATION	
Site and Location:	Guadalupe-Blanco River Authority
History of Damages:	The COE completed a reconnaissance study in 2001 for the Guadalupe River Basin. The Cibolo Creek Watershed study was one of several studies recommended for further analysis. Study participants include GBRA, San Antonio River Authority (SARA) and the San Antonio Water Systems, (SAWS). Phase 1 of the study has been completed.

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	Flood
Priority (High, Moderate, Low):	High
Estimated Cost:	\$300,000
Potential Funding Sources:	General Funds
Lead Agency/Department Responsible:	COE, GBRA , SARA and SAWS
Implementation Schedule:	2007

2010 Analysis:
GBRA participating in Phase II and is ongoing project; GBRA will not be participating in Ph. III

SECTION 20: PAST ACTIONS

GBRA (Past Action)-3	
Proposed Action:	Continue Weather-Net Program with the National Weather Service (NWS)
BACKGROUND INFORMATION	
Site and Location:	Guadalupe-Blanco River Authority
History of Damages:	Communication problems are common during major flood events. In the last few years, GBRA has worked with the NWS to develop alternate methods of sending out river forecasts. Today GBRA gathers flood stage forecasts from the NWS and provides a river summary to the EMC's and other emergency management personnel within the Guadalupe River Basin. The program is called the Weather-Net Program.

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	Flood
Priority (High, Moderate, Low):	High
Estimated Cost:	\$10,000/year
Potential Funding Sources:	General Funds
Lead Agency/Department Responsible:	GBRA Engineering Department
Implementation Schedule:	Ongoing

2010 Analysis:
Ongoing program; will be deferred.

SECTION 20: PAST ACTIONS

GBRA (Past Action)-4	
Proposed Action:	Outfit a portable emergency electric generator to provide temporary electric power at water and wastewater treatment plants
BACKGROUND INFORMATION	
Site and Location:	Guadalupe-Blanco River Authority
History of Damages:	GBRA has recently purchased a used 700 Kwatt generator. The unit needs to be refurbished and mounted on a trailer.

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	All hazards
Priority (High, Moderate, Low):	Very High
Estimated Cost:	\$15,000
Potential Funding Sources:	General Funds
Lead Agency/Department Responsible:	GBRA Operation Department
Implementation Schedule:	2005

2010 Analysis:
Completed; purchased a 1200 Kwatt generator.

SECTION 20: PAST ACTIONS

GBRA (Past Action)-5	
Proposed Action:	Work with FEMA's Engineering consultant to upgrade river models within Guadalupe County
BACKGROUND INFORMATION	
Site and Location:	Guadalupe-Blanco River Authority
History of Damages:	FEMA is presently updating the floodplain models in Guadalupe County. Halff Associates has been hired by FEMA to develop the models for the area between New Braunfels and Seguin. The Guadalupe River in this area includes four small lakes. GBRA has acquired an instrument that can be attached to a boat and will provide accurate cross sectional data on the lakes.

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	Flood
Priority (High, Moderate, Low):	High
Estimated Cost:	\$5,000
Potential Funding Sources:	General Funds
Lead Agency/Department Responsible:	GBRA Engineering Department
Implementation Schedule:	2004

2010 Analysis:
Completed; GBRA participated with FEMA to update necessary models

SECTION 20: PAST ACTIONS

GBRA (Past Action)-6	
Proposed Action:	Participate with the Corps of Engineers (COE) on a Feasibility Study in the lower Guadalupe River Basin
BACKGROUND INFORMATION	
Site and Location:	Guadalupe-Blanco River Authority
History of Damages:	The lower reach of the Guadalupe River experiences extended periods of flooding. The COE in their reconnaissance study identified the lower Guadalupe river as an area for further study.

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	Flood
Priority (High, Moderate, Low):	High
Estimated Cost:	\$350,000
Potential Funding Sources:	General Funds
Lead Agency/Department Responsible:	GBRA Engineering Department
Implementation Schedule:	2004

2010 Analysis:
Project currently has not been funded and is ongoing

SECTION 20: PAST ACTIONS

GBRA (Past Action)-7	
Proposed Action:	Conduct an biennial review of the GBRA “Heavy Rainfall and Flood Response Manual”
BACKGROUND INFORMATION	
Site and Location:	Guadalupe-Blanco River Authority
History of Damages:	During flood events in the Seguin/New Braunfels area, GBRA activates a flood response team to handle the hundreds of calls that come from the general public. The Authority has developed a manual that contains data on past floods and other relevant information to assist team members. The document is reviewed at least every two years.

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	Flood
Priority (High, Moderate, Low):	High
Estimated Cost:	\$5,000/year
Potential Funding Sources:	General Funds
Lead Agency/Department Responsible:	GBRA Engineering Department and Project Development Department
Implementation Schedule:	2004

2010 Analysis:
Ongoing; conducted every 2 years but will not be deferred as an action in the Plan Update.

SECTION 20: PAST ACTIONS

GBRA (Past Action)-8	
Proposed Action:	Conduct an annual review of the Hurricane Preparedness Plan for GBRA's lower basin operations
BACKGROUND INFORMATION	
Site and Location:	Guadalupe-Blanco River Authority
History of Damages:	During a hurricane event, keeping water and wastewater facilities in operation is critical. Developing a hurricane preparedness plan and maintaining the plan is an important part of the process. GBRA has developed plans for its lower basin operations

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	Flood
Priority (High, Moderate, Low):	High
Estimated Cost:	\$2,000/year
Potential Funding Sources:	Plant Operating Budget
Lead Agency/Department Responsible:	GBRA Operations Division
Implementation Schedule:	Each year

2010 Analysis:
Conduct review every 2 years; ongoing and will be deferred

SECTION 20: PAST ACTIONS

GBRA (Past Action)-9	
Proposed Action:	Work with Texas Department of Transportation to stabilize erosion upstream of Hwy 59 Bridge over the Guadalupe River
BACKGROUND INFORMATION	
Site and Location:	Guadalupe-Blanco River Authority
History of Damages:	The Guadalupe River at the Hwy 59 bridge near Victoria has experienced severe erosion on the eastern bank. Continued erosion may jeopardize the bridge in the next 5 to 10 years. If the erosion is not checked in the next 30 to 40 years, the Victoria Wastewater Treatment plant may also experience problems since the plant is not far from the bridge.

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	Flood
Priority (High, Moderate, Low):	High
Estimated Cost:	\$20,000
Potential Funding Sources:	Plant Operating Budget
Lead Agency/Department Responsible:	GBRA Operations Division
Implementation Schedule:	2008

2010 Analysis:
Deleted and will not be deferred; plant will not be operated by GBRA beginning Dec. 2010

SECTION 20: PAST ACTIONS

GBRA (Past Action)-10	
Proposed Action:	Evaluate alternatives and implement modifications to the spillgates at the TP-4 Dam in Seguin, in order to prevent recurring damage during severe floods.
BACKGROUND INFORMATION	
Site and Location:	Guadalupe-Blanco River Authority
History of Damages:	During the past five years, three major floods have caused damage to the spillgates at the TP-4 dam. The total cost of repairs for the first two floods was \$990,140. The repairs from the 2004 flood are estimated to be approximately \$390,000.

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	Flood
Priority (High, Moderate, Low):	High
Estimated Cost:	\$1,000,000
Potential Funding Sources:	General Funds and grant funds
Lead Agency/Department Responsible:	GBRA Operation Department
Implementation Schedule:	2008

2010 Analysis:
Completed

SECTION 20: PAST ACTIONS

Caldwell County

Caldwell County (Past Action)-1	
Proposed Action:	Obtain or develop inexpensive pamphlets and brochures on pipeline safety and directions on identifying and reporting problems
BACKGROUND INFORMATION	
Site and Location:	Caldwell County
History of Damages:	Much of the county is crossed by pipelines carrying flammable and combustible liquids, gases, and materials. Some of these items are under great pressure and a break in the pipes can cause an extremely dangerous condition with the possibility of loss of lives. There have been 15 pipeline events in the county since 1968, costing from \$100 to \$240,000 in damages.

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	Pipeline accidents and hazmat accidents
Priority (High, Moderate, Low):	Moderate
Estimated Cost:	\$800
Potential Funding Sources:	Grants, county budget
Lead Agency/Department Responsible:	LEPC
Implementation Schedule:	ongoing

2010 Analysis:
Ongoing and is deferred

SECTION 20: PAST ACTIONS

Caldwell County (Past Action)-2	
Proposed Action:	Expand and improve the county's emergency radio communications network; upgrade repeaters and their software; build a secure equipment building
BACKGROUND INFORMATION	
Site and Location:	Caldwell County
History of Damages:	Problems have developed when too many radio units have attempted to communicate at the same time. The repeaters and tower are also rapidly becoming outdated and overworked.

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	All hazard events requiring a coordinated response
Priority (High, Moderate, Low):	Moderate
Estimated Cost:	\$54,000
Potential Funding Sources:	Grants, county budgets
Lead Agency/Department Responsible:	County Judge, OEM
Implementation Schedule:	2005

2010 Analysis:
Ongoing and is deferred

SECTION 20: PAST ACTIONS

Caldwell County (Past Action)-3	
Proposed Action:	Develop a mass debris removal plan
BACKGROUND INFORMATION	
Site and Location:	Caldwell County
History of Damages:	All unincorporated areas of the county have had devastating storms that damaged public and private property and resulted in large quantities of debris on roads, creeks, rivers, streets, and bridges. Unit Road is the focus of this action.

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	Flood
Priority (High, Moderate, Low):	Moderate
Estimated Cost:	\$500 to \$1,500
Potential Funding Sources:	General revenues and grants
Lead Agency/Department Responsible:	Unit Road
Implementation Schedule:	2004

2010 Analysis:
Ongoing and is deferred

SECTION 20: PAST ACTIONS

Caldwell County (Past Action)-4	
Proposed Action:	Provide volunteer fire departments with information about fire safety and outdoor burning for distribution to the public, including information about county ordinances
BACKGROUND INFORMATION	
Site and Location:	Caldwell County
History of Damages:	Caldwell County is subject to grass and brush fires, particularly dangerous for this farming and ranching community. Structure fires also are increasing as land is being developed. This is work element A of the fire prevention, fire safety awareness, and general safety awareness program.

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	Wildfire
Priority (High, Moderate, Low):	High
Estimated Cost:	\$1,000 to \$1,500 per year
Potential Funding Sources:	County budget
Lead Agency/Department Responsible:	Fire Marshal
Implementation Schedule:	Begin by Dec. 2003; ongoing thereafter

2010 Analysis:
Ongoing safety training and awareness; deferred

SECTION 20: PAST ACTIONS

Caldwell County (Past Action)-5	
Proposed Action:	Ensure that area firefighters have access to high-quality training in brush and forest firefighting
BACKGROUND INFORMATION	
Site and Location:	Caldwell County
History of Damages:	This is work element B of the fire prevention, fire safety awareness, and general safety awareness program.

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	Wildfire
Priority (High, Moderate, Low):	High
Estimated Cost:	Minimal – with existing budgets
Potential Funding Sources:	General revenues
Lead Agency/Department Responsible:	Fire Marshal
Implementation Schedule:	Begin 2003 and ongoing thereafter

2010 Analysis:
Ongoing project and is deferred

SECTION 20: PAST ACTIONS

Caldwell County (Past Action)-6	
Proposed Action:	Enforce the special purpose ordinances concerning burning standards, burn bans, and aerial fireworks
BACKGROUND INFORMATION	
Site and Location:	Caldwell County
History of Damages:	This is work element C of the fire prevention, fire safety awareness, and general safety awareness program.

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	Wildfire
Priority (High, Moderate, Low):	High
Estimated Cost:	Within existing budgets
Potential Funding Sources:	General revenues augmented by grants
Lead Agency/Department Responsible:	Fire Marshal
Implementation Schedule:	Begin enforcement in 2003; ongoing thereafter

2010 Analysis:
Ongoing and deferred

SECTION 20: PAST ACTIONS

Caldwell County (Past Action)-7	
Proposed Action:	Apply for grants to enable the county to buy out properties in greatest danger of flooding
BACKGROUND INFORMATION	
Site and Location:	Caldwell County
History of Damages:	Floodplain buffer zones are needed in specific neighborhoods in the county.

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	Flood
Priority (High, Moderate, Low):	Low
Estimated Cost:	\$650,000 to \$1,250,000
Potential Funding Sources:	Grants and other available outside funding
Lead Agency/Department Responsible:	County judge, county auditor, floodplain administrator, and OEM
Implementation Schedule:	2013

2010 Analysis:
Ongoing and deferred

SECTION 20: PAST ACTIONS

Caldwell County (Past Action)-8	
Proposed Action:	Update the DTN Weather Warning System and purchase a new computer to service that system; closely monitor National Weather Service reports during weather events
BACKGROUND INFORMATION	
Site and Location:	Caldwell County
History of Damages:	Through most of the county, large-scale flooding is a danger along the San Marcos River, Plum Creek, drainage ditches, and other low-lying areas. Floods could impact several bridges, businesses, roads, and residences. Since 1997, 19 flash floods and 7 floods have occurred, three of which were declared disasters.

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	Multiple hazards
Priority (High, Moderate, Low):	Very high
Estimated Cost:	\$3,600 per year, approx.
Potential Funding Sources:	Budgeted item
Lead Agency/Department Responsible:	OEM
Implementation Schedule:	End of 2003

2010 Analysis:
Ongoing and deferred

SECTION 20: PAST ACTIONS

Caldwell County (Past Action)-9	
Proposed Action:	Establish a telephone communication system to alert all residents in the flood-prone areas of the county and provide up-to-date emergency weather information and safety instructions; develop protocols for use of the system
BACKGROUND INFORMATION	
Site and Location:	Caldwell County
History of Damages:	<p>The high-speed Emergency Notification System (Reverse 911) is a state-of-the-art telephone notification system that can communicate watches, warnings, and other important time-sensitive information from local governments and public safety agencies simultaneously to large groups of residents. The system will allow geographical selection of targeted notification areas, including homes, businesses, hospitals, etc.</p> <p>The Emergency Notification System will enable local governments and public safety agencies to contact residents and businesses in specific areas in the event of an emergency. The system also can be used to call response personnel and deliver incident-specific information or instructions, with confirmation of message receipt through a touch-tone response.</p>

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	Flood
Priority (High, Moderate, Low):	Very high
Estimated Cost:	\$27,000 to \$35,000
Potential Funding Sources:	Grants, general funds, bonds
Lead Agency/Department Responsible:	Floodplain administrator
Implementation Schedule:	2008

2010 Analysis:
Complete

SECTION 20: PAST ACTIONS

Caldwell County (Past Action)-10	
Proposed Action:	Update and strengthen the floodplain ordinance to include freeboard of 1 foot and fines for violators of the freeboard requirement
BACKGROUND INFORMATION	
Site and Location:	Caldwell County
History of Damages:	Class C fines are expected to greatly reduce violations of the floodplain ordinance

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	Flood
Priority (High, Moderate, Low):	Very high
Estimated Cost:	Costs are within existing budgets
Potential Funding Sources:	General revenues
Lead Agency/Department Responsible:	Floodplain administrator
Implementation Schedule:	End of 2004

2010 Analysis:
Action complete; ongoing periodic review of ordinance

SECTION 20: PAST ACTIONS

Caldwell County (Past Action)-11	
Proposed Action:	Develop and publicize evacuation plans, policies, and procedures for all contingencies and geographic areas of the county
BACKGROUND INFORMATION	
Site and Location:	Caldwell County
History of Damages:	The County has an evacuation annex to its emergency plan that needs to be expanded. The annex needs to be tailored to specific events and specific neighborhoods.

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	All
Priority (High, Moderate, Low):	High
Estimated Cost:	TBD
Potential Funding Sources:	General revenues
Lead Agency/Department Responsible:	OEM, fire departments and volunteer fire departments, law enforcement
Implementation Schedule:	2004

2010 Analysis:
Action complete

SECTION 20: PAST ACTIONS

City of Lockhart

City of Lockhart – Caldwell County (Past Action)-1	
Proposed Action:	Define and publicize the locations of safe shelter for residents to use before, during, and after severe weather storms, or as necessitated by other community hazards
BACKGROUND INFORMATION	
Site and Location:	Lockhart
History of Damages:	There is a need to identify safe shelter structures for residents, obtain use agreements, and publicize their locations.

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	All
Priority (High, Moderate, Low):	High
Estimated Cost:	\$2,000 to \$3,500 in legal costs and signs
Potential Funding Sources:	General revenues
Lead Agency/Department Responsible:	City of Lockhart
Implementation Schedule:	September 2005

2010 Analysis:
Project ongoing due to funding and will be deferred.

SECTION 20: PAST ACTIONS

City of Lockhart – Caldwell County (Past Action)-2	
Proposed Action:	Identify and cut or trim trees that can cause major damages to power distribution lines causing power outages
BACKGROUND INFORMATION	
Site and Location:	Lockhart
History of Damages:	City has program to identify such areas but funding has been insufficient to address the needs.

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	All
Priority (High, Moderate, Low):	Moderate
Estimated Cost:	\$40,000 more annually
Potential Funding Sources:	Electric funds
Lead Agency/Department Responsible:	City of Lockhart
Implementation Schedule:	September 2005

2010 Analysis:
This project is ongoing on an annual basis and is deferred.

SECTION 20: PAST ACTIONS

City of Lockhart – Caldwell County (Past Action)-3	
Proposed Action:	Low-water crossing areas and high-water accumulation areas need additional identification warnings including warning lights
BACKGROUND INFORMATION	
Site and Location:	Lockhart
History of Damages:	City has several low water crossings and high water accumulation areas that need to be better identified

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	Flood
Priority (High, Moderate, Low):	High
Estimated Cost:	\$15,000 to \$20,000
Potential Funding Sources:	Grants and local match general funds
Lead Agency/Department Responsible:	City of Lockhart
Implementation Schedule:	September 2005

2010 Analysis:
Project ongoing based on funding. Action is deferred.

SECTION 20: PAST ACTIONS

City of Lockhart – Caldwell County (Past Action)-4	
Proposed Action:	Designate and/or provide one central location for the safe storage of sensitive City records that might lost due fire, tornado, hurricane, or other disaster
BACKGROUND INFORMATION	
Site and Location:	Lockhart
History of Damages:	City has a small confined area of city hall for storage of sensitive City records. This storage space is insufficient and is not adequately protected. The City also uses a portion of the old hospital for storage of records and this space is not adequately protected.

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	All
Priority (High, Moderate, Low):	High
Estimated Cost:	\$50,000 to \$60,000
Potential Funding Sources:	Grants, general funds
Lead Agency/Department Responsible:	City of Lockhart
Implementation Schedule:	September 2006

2010 Analysis:
In the process of converting to electronic record storage. This action is ongoing and will be deferred.

SECTION 20: PAST ACTIONS

City of Lockhart – Caldwell County (Past Action)-5	
Proposed Action:	Develop an early weather/community hazard warning system for Lockhart residents
BACKGROUND INFORMATION	
Site and Location:	Lockhart
History of Damages:	The City did have sirens on the Fire Station and on one water tower that were used to warn residents of impending weather hazards. These no longer work and cannot for costs reasons be repaired.

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	Tornado
Priority (High, Moderate, Low):	High
Estimated Cost:	\$200,000
Potential Funding Sources:	Will seek grants
Lead Agency/Department Responsible:	City of Lockhart
Implementation Schedule:	September 2005

2010 Analysis:
Ongoing as funding is available

SECTION 20: PAST ACTIONS

City of Luling

City of Luling – Caldwell County (Past Action)-1	
Proposed Action:	Adopt routine fire hydrant maintenance
BACKGROUND INFORMATION	
Site and Location:	Luling
History of Damages:	An inspection of fire hydrants disclosed some inoperable and closed valves

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	Wildfire
Priority (High, Moderate, Low):	High
Estimated Cost:	TBD
Potential Funding Sources:	General revenues
Lead Agency/Department Responsible:	City of Luling – Water Department; City of Luling – Fire Department
Implementation Schedule:	Summer 2004 and ongoing

2010 Analysis:
Action ongoing and deferred

SECTION 20: PAST ACTIONS

City of Luling – Caldwell County (Past Action)-2	
Proposed Action:	Create GIS map, and show related National Flood Insurance Program policies, claims, and losses (including repetitive losses)
BACKGROUND INFORMATION	
Site and Location:	Luling
History of Damages:	Limited information about previous flood damage incidents and reports

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	Flood
Priority (High, Moderate, Low):	High
Estimated Cost:	TBD
Potential Funding Sources:	General revenues, grants
Lead Agency/Department Responsible:	Code Enforcement; Public Works
Implementation Schedule:	Spring 2004

2010 Analysis:
Ongoing project. Will be deferred

SECTION 20: PAST ACTIONS

City of Luling – Caldwell County (Past Action)-3	
Proposed Action:	Update the subdivision ordinance to incorporate safety measures
BACKGROUND INFORMATION	
Site and Location:	Luling
History of Damages:	Limited information for design, construction and maintenance of subdivisions

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	All
Priority (High, Moderate, Low):	High
Estimated Cost:	TBD
Potential Funding Sources:	General revenues
Lead Agency/Department Responsible:	Code Enforcement; Building Official
Implementation Schedule:	Fall 2003

2010 Analysis:
Action deferred

SECTION 20: PAST ACTIONS

City of Luling – Caldwell County (Past Action)-4	
Proposed Action:	Install burn ban signs
BACKGROUND INFORMATION	
Site and Location:	Luling
History of Damages:	Several grass fires have occurred in various neighborhoods

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	Wildfire
Priority (High, Moderate, Low):	Moderate - High
Estimated Cost:	\$500
Potential Funding Sources:	General revenues
Lead Agency/Department Responsible:	Street Department
Implementation Schedule:	2003

2010 Analysis:
Ongoing public education

SECTION 20: PAST ACTIONS

City of Luling – Caldwell County (Past Action)-5	
Proposed Action:	Implement a program to routinely clear rights-of-way of tree limbs and other obstructions that impinge on the free flow of traffic
BACKGROUND INFORMATION	
Site and Location:	Luling
History of Damages:	Loss of utilities during strong winds

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	Thunderstorm
Priority (High, Moderate, Low):	Moderate
Estimated Cost:	TBD
Potential Funding Sources:	General revenues
Lead Agency/Department Responsible:	Street Department
Implementation Schedule:	2004

2010 Analysis:
Ongoing and deferred

SECTION 20: PAST ACTIONS

City of Luling – Caldwell County (Past Action)-6	
Proposed Action:	Clear trees and shrubs from Salt Branch Creek
BACKGROUND INFORMATION	
Site and Location:	Luling
History of Damages:	Salt Branch Creek has become an illegal dump site. The dumped debris causes backups and obstructs runoff, restricting necessary drainage of the area.

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	Flood
Priority (High, Moderate, Low):	High
Estimated Cost:	\$31,000 (approx. half completed January 2003)
Potential Funding Sources:	Grants and general revenues
Lead Agency/Department Responsible:	City of Luling Street and Brush Department
Implementation Schedule:	December 2004

2010 Analysis:
Ongoing and deferred

SECTION 20: PAST ACTIONS

City of Luling – Caldwell County (Past Action)-7	
Proposed Action:	Enact an ordinance to prohibit dumping in streams and ditches
BACKGROUND INFORMATION	
Site and Location:	Luling
History of Damages:	Established drainage courses are being used by the public as dumping areas

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	Flood
Priority (High, Moderate, Low):	High
Estimated Cost:	TBD
Potential Funding Sources:	General revenues
Lead Agency/Department Responsible:	Street Department; Code Enforcement
Implementation Schedule:	2004

2010 Analysis:
Ongoing and deferred

SECTION 20: PAST ACTIONS

City of Martindale

City of Martindale – Caldwell County (Past Action)-1	
Proposed Action:	Develop and implement a maintenance program for drains and culverts
BACKGROUND INFORMATION	
Site and Location:	Martindale
History of Damages:	Frequent flash floods from the Guadalupe River result in backups of debris, particularly in low-lying public and private areas. A plan is needed to improve the efficiency and timeliness of clearance of debris from drains and culverts

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	Flood
Priority (High, Moderate, Low):	Moderate
Estimated Cost:	\$25,000
Potential Funding Sources:	Grants
Lead Agency/Department Responsible:	Emergency Management Office
Implementation Schedule:	2004

2010 Analysis:
Ongoing and deferred

SECTION 20: PAST ACTIONS

Calhoun County

Calhoun County (Past Action)-1	
Proposed Action:	Install warning sirens throughout county for all hazards
BACKGROUND INFORMATION	
Site and Location:	Calhoun County
History of Damages:	Calhoun County is on the coast and vulnerable to numerous hazards (hurricanes, floods, high winds, etc.).

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	All
Priority (High, Moderate, Low):	High
Estimated Cost:	\$250,000
Potential Funding Sources:	Grants
Lead Agency/Department Responsible:	Emergency Management
Implementation Schedule:	2005

2010 Analysis:
Early notification of residents needed; deferred

SECTION 20: PAST ACTIONS

City of Point Comfort

City of Point Comfort – Calhoun County (Past Action)-1	
Proposed Action:	Purchase and install back-up generators for utilities and emergency services
BACKGROUND INFORMATION	
Site and Location:	Point Comfort
History of Damages:	During power outages, services are halted and treated water for drinking and firefighting are limited

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	All
Priority (High, Moderate, Low):	Very high
Estimated Cost:	Unknown
Potential Funding Sources:	General revenues, grants
Lead Agency/Department Responsible:	Local emergency management
Implementation Schedule:	2004

2010 Analysis:
Complete

SECTION 20: PAST ACTIONS

City of Point Comfort – Calhoun County (Past Action)-2	
Proposed Action:	Upgrade and integrate warning systems throughout the county
BACKGROUND INFORMATION	
Site and Location:	Point Comfort
History of Damages:	Current systems are outdated and do not provide dependable warning in emergency situations

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	All
Priority (High, Moderate, Low):	High
Estimated Cost:	\$20,000
Potential Funding Sources:	General revenues, grants
Lead Agency/Department Responsible:	Local emergency management
Implementation Schedule:	2004

2010 Analysis:
Ongoing and deferred

SECTION 20: PAST ACTIONS

City of Point Comfort – Calhoun County (Past Action)-3	
Proposed Action:	Identify and assist elderly, infirm, and special needs citizens to obtain transportation to a safe area and other services during an emergency
BACKGROUND INFORMATION	
Site and Location:	Point Comfort
History of Damages:	Special needs residents are not readily identifiable. A system by which they are identified, and maintenance of that system, is needed. A plan also is needed to ensure their safety during an emergency.

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	All
Priority (High, Moderate, Low):	High
Estimated Cost:	Unknown
Potential Funding Sources:	Grants
Lead Agency/Department Responsible:	Local emergency management
Implementation Schedule:	2005

2010 Analysis:
Ongoing public education; deferred

SECTION 20: PAST ACTIONS

City of Port Lavaca

City of Port Lavaca – Calhoun County (Past Action)-1	
Proposed Action:	Develop and implement a hazard awareness program
BACKGROUND INFORMATION	
Site and Location:	Port Lavaca
History of Damages:	City citizens are not consistently made aware, pre-event and through local media, of steps to take to protect themselves against potential damages of weather events and air-quality hazards

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	All
Priority (High, Moderate, Low):	High
Estimated Cost:	\$10,000
Potential Funding Sources:	Grants
Lead Agency/Department Responsible:	City of Port Lavaca
Implementation Schedule:	2006

2010 Analysis:
Ongoing and deferred

SECTION 20: PAST ACTIONS

City of Port Lavaca – Calhoun County (Past Action)-2	
Proposed Action:	Institute routine cleaning and maintenance of drainage areas
BACKGROUND INFORMATION	
Site and Location:	Port Lavaca
History of Damages:	Debris in drainage ditches and drainage areas inhibits the drainage of floodwaters, causing excessive flooding and back-ups

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	Flood
Priority (High, Moderate, Low):	Very high
Estimated Cost:	\$100,000
Potential Funding Sources:	Grants, general revenues
Lead Agency/Department Responsible:	City of Port Lavaca
Implementation Schedule:	2005

2010 Analysis:
Ongoing for targeted creeks and waterways and deferred

SECTION 20: PAST ACTIONS

City of Port Lavaca – Calhoun County (Past Action)-3	
Proposed Action:	Install an early warning system
BACKGROUND INFORMATION	
Site and Location:	Port Lavaca
History of Damages:	The City has no effective, consistent warning system to notify residents of impending hurricanes, floods, thunderstorms, and other hazards

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	All
Priority (High, Moderate, Low):	High
Estimated Cost:	+/- \$50,000
Potential Funding Sources:	Grants
Lead Agency/Department Responsible:	City Fire Department
Implementation Schedule:	2005

2010 Analysis:
Ongoing and deferred

SECTION 20: PAST ACTIONS

City of Port Lavaca – Calhoun County (Past Action)-4	
Proposed Action:	Develop plans for removal of disaster debris from public and private property
BACKGROUND INFORMATION	
Site and Location:	Port Lavaca
History of Damages:	Debris is often a result of a natural disaster. Debris can block bridges and evacuation routes, preventing the timely provision of emergency services to victims. Debris also may contain substances that are hazardous to people.

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	Wildfire, Flood
Priority (High, Moderate, Low):	High
Estimated Cost:	+/- \$50,000
Potential Funding Sources:	Grants, general revenues
Lead Agency/Department Responsible:	City of Port Lavaca
Implementation Schedule:	2005

2010 Analysis:
Ongoing and deferred

SECTION 20: PAST ACTIONS

City of Seadrift

City of Seadrift – Calhoun County (Past Action)-1	
Proposed Action:	Develop and implement a multi-hazard public awareness program
BACKGROUND INFORMATION	
Site and Location:	Seadrift
History of Damages:	City residents have no consistent local source to which they can turn for information about warning signals of impending events, evacuation information and routes, and general information they may need to know during an emergency

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	All
Priority (High, Moderate, Low):	High
Estimated Cost:	\$10,000
Potential Funding Sources:	Grants, federal funds
Lead Agency/Department Responsible:	Emergency management coordinator
Implementation Schedule:	2005

2010 Analysis:
Upon installation of warning siren, public will be mailed information regarding tones and response procedures. This action is deferred for anticipated completion in late 2010.

SECTION 20: PAST ACTIONS

City of Seadrift – Calhoun County (Past Action)-2	
Proposed Action:	Select and install an early warning siren system for all hazards; develop protocols for use of the system
BACKGROUND INFORMATION	
Site and Location:	Seadrift
History of Damages:	Community residents have no local source of warning for hurricanes or other disasters, information about the disaster, or instructions as to how to protect themselves

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	Multiple
Priority (High, Moderate, Low):	High
Estimated Cost:	\$25,000
Potential Funding Sources:	Grants, federal funds
Lead Agency/Department Responsible:	Emergency management coordinator
Implementation Schedule:	2005

2010 Analysis:
This action is ongoing and will be deferred with anticipated completion in late 2010

SECTION 20: PAST ACTIONS

City of Seadrift – Calhoun County (Past Action)-3	
Proposed Action:	Develop a plan for efficient removal of debris following a disaster event
BACKGROUND INFORMATION	
Site and Location:	Seadrift
History of Damages:	Downed trees and other debris following a disaster interfere with the flow of traffic, impede access by repair crews to downed power lines, reduce drainage of floodwaters, and otherwise lengthen the recovery process

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	Flood, Wildfire
Priority (High, Moderate, Low):	High
Estimated Cost:	\$30,000
Potential Funding Sources:	Grants, federal funds
Lead Agency/Department Responsible:	City of Seadrift
Implementation Schedule:	2005

2010 Analysis:
This action is ongoing and will be deferred through 2012

SECTION 20: PAST ACTIONS

DeWitt County

DeWitt County (Past Action)-1	
Proposed Action:	Redesign the main stormwater drainage outlet from the City of Cuero to the Guadalupe River
BACKGROUND INFORMATION	
Site and Location:	DeWitt County
History of Damages:	The City of Cuero has installed and will continue to install larger storm sewers in sections of the city to prevent flooding. This will cause floodwaters from the city to enter the drainage ditch at a much faster rate, which could cause flooding of property near the drainage ditch.

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	Flood
Priority (High, Moderate, Low):	High
Estimated Cost:	\$2,000,000 to \$3,000,000
Potential Funding Sources:	Grants
Lead Agency/Department Responsible:	DeWitt County Drainage District No. 1
Implementation Schedule:	Five years from date of receipt of grant funding

2010 Analysis:
Ongoing due to grant funding

SECTION 20: PAST ACTIONS

DeWitt County (Past Action)-2	
Proposed Action:	Obtain updated Flood Insurance Rate Maps for DeWitt County
BACKGROUND INFORMATION	
Site and Location:	DeWitt County
History of Damages:	Based on the flooding patterns from the 1998 storm, the floodplain maps of DeWitt County need to be revised

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	Flood
Priority (High, Moderate, Low):	Moderate
Estimated Cost:	TBD
Potential Funding Sources:	FEMA mapping funds
Lead Agency/Department Responsible:	Floodplain administrator, in coordination with FEMA
Implementation Schedule:	2008

2010 Analysis:
Project complete. New maps become effective 1/6/11.

SECTION 20: PAST ACTIONS

DeWitt County (Past Action)-3	
Proposed Action:	Install a public warning system (reverse 911)
BACKGROUND INFORMATION	
Site and Location:	DeWitt County
History of Damages:	The county has no way to warn residents of possible danger to lives or property when warnings are received from the National Weather Service or other sources. No television or radio stations are located in DeWitt County that could provide this information to residents.

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	All
Priority (High, Moderate, Low):	Very high
Estimated Cost:	\$20,000
Potential Funding Sources:	Grants
Lead Agency/Department Responsible:	DeWitt County Emergency Management
Implementation Schedule:	Two years from date of receipt of grant funds

2010 Analysis:
Ongoing due to lack of funding

SECTION 20: PAST ACTIONS

DeWitt County (Past Action)-4	
Proposed Action:	Obtain and install a generator for the EOC or alternate EOC
BACKGROUND INFORMATION	
Site and Location:	DeWitt County
History of Damages:	A back-up system is needed to provide power in the event of a power outage. The EOC has a generator but if it fails, another source of power would be needed. Another source of power would also be needed if it became necessary to move the EOC to another location, perhaps in Cuero, Yorktown, or Nordheim.

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	All
Priority (High, Moderate, Low):	High
Estimated Cost:	\$22,000
Potential Funding Sources:	Grants
Lead Agency/Department Responsible:	DeWitt County Emergency Management
Implementation Schedule:	One year from date of receipt of grant funds

2010 Analysis:
A generator was installed in the EOC when jail was built but the generator for alternate EOC has not been purchased due to lack of funding.

SECTION 20: PAST ACTIONS

DeWitt County (Past Action)-5	
Proposed Action:	Install a flood gage on the Guadalupe River Bridge located on U.S. Highway 183 at Hochheim, Texas
BACKGROUND INFORMATION	
Site and Location:	DeWitt County
History of Damages:	DeWitt County and the City of Cuero have experienced several major floods – the 1998 flood being the flood of record. Floodwaters reached Cuero two days before their predicted arrival. If a gauge had been in place during that event, citizens would have been informed earlier of the arrival of floodwaters and, thus, been able to better protect their property.

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	Flood
Priority (High, Moderate, Low):	High
Estimated Cost:	TBD
Potential Funding Sources:	GBRA and grants
Lead Agency/Department Responsible:	DeWitt County, in coordination with GBRA and U.S. Geological Service
Implementation Schedule:	TBD

2010 Analysis:
Ongoing due to lack of funding.

SECTION 20: PAST ACTIONS

City of Cuero

City of Cuero – DeWitt County (Past Action)-1	
Proposed Action:	Install a public warning system (reverse 911)
BACKGROUND INFORMATION	
Site and Location:	Cuero
History of Damages:	Cuero is at risk for flash floods from the Guadalupe River, requiring timely notification of residents if evacuation is needed

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	Flood
Priority (High, Moderate, Low):	High
Estimated Cost:	\$200,000
Potential Funding Sources:	Grants
Lead Agency/Department Responsible:	Public Works
Implementation Schedule:	2004

2010 Analysis:
Ongoing and deferred

SECTION 20: PAST ACTIONS

City of Cuero - DeWitt County (Past Action)-2	
Proposed Action:	Evaluate all structural and non-structural alternatives to reduce flood damage.
BACKGROUND INFORMATION	
Site and Location:	Cuero
History of Damages:	As described in the Army Corps of Engineers Reports on the flooding events or 1998 and 1994, the City of Cuero has suffered substantial damage from flooding.

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	Flood
Priority (High, Moderate, Low):	Very high
Estimated Cost:	TBD
Potential Funding Sources:	Grants
Lead Agency/Department Responsible:	City of Cuero Floodplain Administrator, in cooperation with GBRA, FEMA and the Corps of Engineers
Implementation Schedule:	Two years from award of funding

2010 Analysis:
Ongoing and deferred

SECTION 20: PAST ACTIONS

City of Cuero – DeWitt County (Past Action)-3	
Proposed Action:	Obtain funding for Early Alert System
BACKGROUND INFORMATION	
Site and Location:	Cuero
History of Damages:	The City of Cuero has experienced a large number of disaster events and needs a better way of informing the public about disaster events as they unfold.

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	All
Priority (High, Moderate, Low):	Very high
Estimated Cost:	\$50,000 siren system and \$20,000 for reverse 911 system
Potential Funding Sources:	Grants
Lead Agency/Department Responsible:	City of Cuero Emergency Manager
Implementation Schedule:	Two years after award of funds

2010 Analysis:
Ongoing and deferred

SECTION 20: PAST ACTIONS

City of Cuero – DeWitt County (Past Action)-4	
Proposed Action:	Obtain funding to revise/update FEMA Flood Insurance Rate Maps for the City of Cuero.
BACKGROUND INFORMATION	
Site and Location:	Cuero
History of Damages:	Existing floodplain maps for the City of Cuero do not adequately characterize the flood risks.

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	Flood
Priority (High, Moderate, Low):	Very high
Estimated Cost:	TBD
Potential Funding Sources:	FEMA Mapping Funds
Lead Agency/Department Responsible:	City of Cuero Floodplain Administrator, working with FEMA officials.
Implementation Schedule:	Two years from award of funding

2010 Analysis:
Deferred

SECTION 20: PAST ACTIONS

City of Cuero – DeWitt County (Past Action)-5	
Proposed Action:	Obtain funding for generators for operation of water system and waste water system in emergency situations with no power.
BACKGROUND INFORMATION	
Site and Location:	Cuero
History of Damages:	In disaster situations, generators are needed for critical facilities to ensure continued operations.

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	All
Priority (High, Moderate, Low):	Very high
Estimated Cost:	\$22,000
Potential Funding Sources:	Grant funding
Lead Agency/Department Responsible:	City of Cuero
Implementation Schedule:	Two years from award of grant funds

2010 Analysis:
Ongoing and deferred

SECTION 20: PAST ACTIONS

City of Cuero – DeWitt County (Past Action)-6	
Proposed Action:	Promote hail-resistant construction
BACKGROUND INFORMATION	
Site and Location:	Cuero
History of Damages:	The City of Cuero is at risk from hail events. Hail-resistant construction can help reduce damages.

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	Hail events
Priority (High, Moderate, Low):	Moderate
Estimated Cost:	\$5,000
Potential Funding Sources:	Funding is required for promotional materials; grant funds will be sought.
Lead Agency/Department Responsible:	City of Cuero
Implementation Schedule:	Ongoing

2010 Analysis:
Ongoing and deferred

SECTION 20: PAST ACTIONS

City of Cuero – DeWitt County (Past Action)-7	
Proposed Action:	Conduct annual tree trimming to protect electrical system in order to provide essential, reliable service to the community.
BACKGROUND INFORMATION	
Site and Location:	Cuero
History of Damages:	The City of Cuero has experienced high wind events and need to ensure that the electrical system continues to operate.

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	High wind events
Priority (High, Moderate, Low):	Very high
Estimated Cost:	\$30,000
Potential Funding Sources:	Electric Fund Revenues
Lead Agency/Department Responsible:	City of Cuero
Implementation Schedule:	This is an on-going activity, to be conducted on an annual basis.

2010 Analysis:
Ongoing and deferred

SECTION 20: PAST ACTIONS

City of Cuero – DeWitt County (Past Action)-8	
Proposed Action:	Work with GBRA to establish flood gages at U.S. Highway 183 and Hochheim south of Gonzales.
BACKGROUND INFORMATION	
Site and Location:	Cuero
History of Damages:	As described in the Army Corps of Engineers Reports on the flooding events or 1998 and 1994, the City of Cuero has suffered from frequent flooding events causing substantial damage.

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	Flood
Priority (High, Moderate, Low):	High
Estimated Cost:	TBD
Potential Funding Sources:	TBD
Lead Agency/Department Responsible:	City of Cuero, in coordination with GBRA and the U.S. Army Corps of Engineers
Implementation Schedule:	TBD

2010 Analysis:
Ongoing and deferred

SECTION 20: PAST ACTIONS

City of Nordheim

City of Nordheim – DeWitt County (Past Action)-1	
Proposed Action:	Obtain funding for two generators (80kw 480 volt 3 phase) for operation of water and waste water systems in emergency situations with no power.
BACKGROUND INFORMATION	
Site and Location:	Nordheim
History of Damages:	In disaster situations, generators are needed for critical facilities to ensure continued operations.

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	All
Priority (High, Moderate, Low):	Very high
Estimated Cost:	\$44,000
Potential Funding Sources:	Grants
Lead Agency/Department Responsible:	City of Nordheim
Implementation Schedule:	Two years from award of grant funds

2010 Analysis:
Action has been completed.

SECTION 20: PAST ACTIONS

City of Yoakum

City of Yoakum – DeWitt County (Past Action)-1	
Proposed Action:	Develop written mutual aid agreements with area communities
BACKGROUND INFORMATION	
Site and Location:	Yoakum
History of Damages:	The City of Yoakum presently has written mutual aid agreement with most of its surrounding communities, but not all. It will endeavor to develop written mutual aid agreements with all of its neighbors.

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	Multiple
Priority (High, Moderate, Low):	High
Estimated Cost:	Minimal
Potential Funding Sources:	General revenues
Lead Agency/Department Responsible:	Emergency Management
Implementation Schedule:	2005

2010 Analysis:
Clearer delineation of responsibilities and the legalities of mutual aid between Yoakum and communities with which it works. Action is ongoing and will be deferred

SECTION 20: PAST ACTIONS

City of Yoakum – DeWitt County (Past Action)-2	
Proposed Action:	Purchase NOAA all-hazards radios for early warning and post-event information, and place them in area schools, businesses, and critical facilities
BACKGROUND INFORMATION	
Site and Location:	Yoakum
History of Damages:	The City of Yoakum presently has no “early warning” system except for fire and law enforcement vehicles driving around using their public address systems to alert the public to possible danger.

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	All
Priority (High, Moderate, Low):	NOAA weather radios cost approximately \$50 per unit.
Estimated Cost:	TBD
Potential Funding Sources:	General funds and grants
Lead Agency/Department Responsible:	Emergency Management
Implementation Schedule:	2008

2010 Analysis:
The ability to alert the public via radio to an impending weather or other serious hazard. Action is ongoing and will be deferred

SECTION 20: PAST ACTIONS

City of Yorktown

City of Yorktown – DeWitt County (Past Action)-1	
Proposed Action:	Develop mutual aid agreements with surrounding communities, enabling cooperation in times of disaster
BACKGROUND INFORMATION	
Site and Location:	Yorktown
History of Damages:	A plan is needed to support smaller communities in DeWitt County and coordinate their participation in necessary emergency response when severe weather strikes

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	Severe thunderstorms and hurricanes
Priority (High, Moderate, Low):	Moderate
Estimated Cost:	\$15,000
Potential Funding Sources:	Grants
Lead Agency/Department Responsible:	Public officials
Implementation Schedule:	2005

2010 Analysis:
Ongoing and deferred

SECTION 20: PAST ACTIONS

Gonzales County

Gonzales County (Past Action)-1	
Proposed Action:	Establish a voluntary, basin-wide or regional program of cooperation among local governments in Gonzales County to share common concerns and resolve common problems regarding flooding and other hazards
BACKGROUND INFORMATION	
Site and Location:	Gonzales County
History of Damages:	Disasters that affect multiple areas of the county can better be managed by a structured response involving all impacted areas. In particular, the Guadalupe River floods the entire county from time to time, causing considerable damage in multiple communities.

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	All
Priority (High, Moderate, Low):	High
Estimated Cost:	\$20,000
Potential Funding Sources:	Grants
Lead Agency/Department Responsible:	Sheriff's office
Implementation Schedule:	2004

2010 Analysis:
Action is ongoing and will be deferred

SECTION 20: PAST ACTIONS

City of Gonzales

City of Gonzales – Gonzales County (Past Action)-1	
Proposed Action:	Conduct a campaign to publicize the availability and location of shelters
BACKGROUND INFORMATION	
Site and Location:	Gonzales
History of Damages:	The city has designated shelters in churches and homes, but the public may not know where to go in an emergency.

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	Flood
Priority (High, Moderate, Low):	Moderate
Estimated Cost:	Minimal – with existing budgets
Potential Funding Sources:	Within existing budgets
Lead Agency/Department Responsible:	Fire department, EMS, law enforcement, organizations that can provide shelter
Implementation Schedule:	2004

2010 Analysis:
Ongoing public awareness and deferred

SECTION 20: PAST ACTIONS

City of Gonzales – Gonzales County (Past Action)-2	
Proposed Action:	Upgrade emergency management radio coverage, frequencies, and communication uses
BACKGROUND INFORMATION	
Site and Location:	Gonzales
History of Damages:	Emergency response personnel in Gonzales can benefit from better communication in emergency situations. For example, flash floods are a high risk and there is often little warning time to enable responders to make important decisions. Better communication and better training in the use of emergency management radio is indicated.

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	All
Priority (High, Moderate, Low):	High
Estimated Cost:	\$200,000
Potential Funding Sources:	Grants
Lead Agency/Department Responsible:	Public works
Implementation Schedule:	2004

2010 Analysis:
Deferred due to funding

SECTION 20: PAST ACTIONS

City of Nixon

City of Nixon – Gonzales County (Past Action)-1	
Proposed Action:	Undertake a review of the local floodplain management ordinance.
BACKGROUND INFORMATION	
Site and Location:	Nixon
History of Damages:	Structures built in the floodplain are subject to damage by rising waters. In addition to increasing the number of properties at risk, development in the floodplain reduces the storage capacity of these areas, resulting in greater flood heights. With this action, consideration will be given to possible improvements in the City of Nixon's local floodplain ordinance.

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	Flood
Priority (High, Moderate, Low):	Moderate
Estimated Cost:	Minimal
Potential Funding Sources:	General revenues
Lead Agency/Department Responsible:	Floodplain administrator
Implementation Schedule:	September 2005

2010 Analysis:
Ongoing and deferred

SECTION 20: PAST ACTIONS

City of Nixon – Gonzales County (Past Action)-2	
Proposed Action:	Conduct community awareness programs to inform the public about the hazards they face and actions they can take to prevent or reduce the loss of life and property.
BACKGROUND INFORMATION	
Site and Location:	Nixon
History of Damages:	-

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	All
Priority (High, Moderate, Low):	Moderate
Estimated Cost:	Minimal
Potential Funding Sources:	General revenues
Lead Agency/Department Responsible:	Mayor
Implementation Schedule:	Ongoing, starting in 2003 and ending in 2008

2010 Analysis:
Ongoing public awareness and deferred

SECTION 20: PAST ACTIONS

City of Waelder

City of Waelder – Gonzales County (Past Action)-1	
Proposed Action:	Undertake a review of the local floodplain management ordinance.
BACKGROUND INFORMATION	
Site and Location:	Waelder
History of Damages:	Structures built in the floodplain are subject to damage by rising waters. In addition to increasing the number of properties at risk, development in the floodplain reduces the storage capacity of these areas, resulting in greater flood heights. With this action, consideration will be given to possible improvements in the City of Waelder's local floodplain ordinance.

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	Flood
Priority (High, Moderate, Low):	Moderate
Estimated Cost:	Minimal
Potential Funding Sources:	General revenues
Lead Agency/Department Responsible:	Floodplain administrator
Implementation Schedule:	September 2005

2010 Analysis:
Action completed.

SECTION 20: PAST ACTIONS

City of Waelder – Gonzales County (Past Action)-2	
Proposed Action:	Conduct community awareness programs to inform the public about the hazards they face and actions they can take to prevent or reduce the loss of life and property.
BACKGROUND INFORMATION	
Site and Location:	Waelder
History of Damages:	-

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	All
Priority (High, Moderate, Low):	Moderate
Estimated Cost:	Minimal
Potential Funding Sources:	General revenues
Lead Agency/Department Responsible:	Mayor
Implementation Schedule:	Ongoing, starting in 2003 and ending in 2008

2010 Analysis:
This action is ongoing and will be deferred

SECTION 20: PAST ACTIONS

City of Cibolo (Guadalupe County)

The City of Cibolo is participating in the Plan Update as a new jurisdiction and therefore there are no previous actions to include.

Kendall County

Kendall County (Past Action)-1	
Proposed Action:	Develop action plans and provide training involving hazardous materials spills including area evaluation.
BACKGROUND INFORMATION	
Site and Location:	Kendall County
History of Damages:	Significant quantities of hazardous materials are transported by roads, rail and air. At any moment and at any place a spill could occur with disastrous result. An action plan and trained personnel must be in place to promptly respond at a moment's notice.

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	Hazardous materials spills
Priority (High, Moderate, Low):	High
Estimated Cost:	\$5,000
Potential Funding Sources:	General Revenues, Fire Department allocations
Lead Agency/Department Responsible:	Emergency Management Office/Fire Department
Implementation Schedule:	2004 and ongoing

2010 Analysis:
Kendall County/Boerne has a Hazardous Materials action plan as part to the Emergency Management plan. This was revised and updated April 2006. All emergency responders continue to train in the response involving hazardous materials. We have also established evacuations routes for citizens around areas of concern were hazardous materials exist .Ongoing action and deferred.

SECTION 20: PAST ACTIONS

Kendall County (Past Action)-2	
Proposed Action:	Seek FEMA grants to recover from and mitigate flood damage resulting from floods.
BACKGROUND INFORMATION	
Site and Location:	Kendall County
History of Damages:	The Texas Hill Country is subject to sudden high intensity rainfall events. These events, combined with the steep topography within the water sheds, leads to significant and damaging floods. Grant assistance is necessary to restore infrastructure and provide mitigation programs such as buyouts.

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	Floods
Priority (High, Moderate, Low):	Very high following flooding event
Estimated Cost:	Unknown
Potential Funding Sources:	Grants
Lead Agency/Department Responsible:	Emergency Management Office/floodplain administrator
Implementation Schedule:	Following occurrence of flooding event

2010 Analysis:
Kendall County has purchased homes and land in flood plain area and moved them or completely removed than from those areas. Ongoing as flooding events occur.

SECTION 20: PAST ACTIONS

Kendall County (Past Action)-3	
Proposed Action:	Provide protective gear, monitors and other special equipment required to manage the clean up and/or control of a hazardous materials spill.
BACKGROUND INFORMATION	
Site and Location:	Kendall County
History of Damages:	Significant quantities of hazardous materials are transported by roads, rail and air. At any moment and at any place a spill could occur with disastrous result. Trained personnel need specialized equipment to enter the spill area to manage and control cleanup activities safely and effectively.

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	Hazardous materials transportation
Priority (High, Moderate, Low):	High
Estimated Cost:	\$50,000
Potential Funding Sources:	Grants
Lead Agency/Department Responsible:	Emergency Management Office/Fire Department
Implementation Schedule:	2004 and ongoing

2010 Analysis:
Through DHS grant funds we have been able to purchase protective gear, monitors and other equipment related to clean up and control of hazardous materials incidents. We continue to funds equipment as funds become available through budget, grants and other funding sources. Ongoing action and is deferred

SECTION 20: PAST ACTIONS

Kendall County (Past Action)-4	
Proposed Action:	Increase public awareness about issues involving development within a floodplain and the enforcement authority delegated to County.
BACKGROUND INFORMATION	
Site and Location:	Kendall County
History of Damages:	Due to the steep topography of the hill country it is not always apparent where a flood-prone area or mapped floodplain exists. FEMA literature needs to be distributed and development reviews should be conducted so as not to allow development within a flood plain.

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	Floods
Priority (High, Moderate, Low):	Moderate
Estimated Cost:	\$1,000
Potential Funding Sources:	General revenues
Lead Agency/Department Responsible:	Development Management Office
Implementation Schedule:	Ongoing

2010 Analysis:
This is an ongoing action item; we continue to work with citizens, developers and others with reference to the floodplain.

SECTION 20: PAST ACTIONS

Kendall County (Past Action)-5	
Proposed Action:	Identify and supply safe shelter locations to be used during emergency events.
BACKGROUND INFORMATION	
Site and Location:	Kendall County
History of Damages:	At various times there is a need to temporarily house and feed persons due to flooding, weather or some unexpected event. Plans, supplies and arrangements must be in place to immediately implement such a plan.

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	All
Priority (High, Moderate, Low):	High
Estimated Cost:	\$1,000
Potential Funding Sources:	General revenues, grants and donations
Lead Agency/Department Responsible:	Emergency Management Office
Implementation Schedule:	2004 and ongoing

2010 Analysis:
We have identified many local faith based building to be used as shelter locations throughout the City and County. We also participate in the States shelter plan on using large hub cities for sheltering when evacuaee are moved to this area vs. using local shelters. Action ongoing and deferred.

SECTION 20: PAST ACTIONS

Kendall County (Past Action)-6	
Proposed Action:	Provide a telephone communications system network which will alert specific residents of emergency situations in their area.
BACKGROUND INFORMATION	
Site and Location:	Kendall County
History of Damages:	The high speed Emergency Notification System (Reverse 911) is a state-of-the-art telephone system that can rapidly alert residents in a targeted area of impending dangers on emergencies.

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	Floods
Priority (High, Moderate, Low):	High
Estimated Cost:	\$15,000
Potential Funding Sources:	Grants
Lead Agency/Department Responsible:	Emergency Management Office
Implementation Schedule:	2004-2005

2010 Analysis:
Through DHS funding the City of Boerne purchases a Dialogic Communications Emergency Notification Device and Call Center Automation Software. Ongoing and deferred

SECTION 20: PAST ACTIONS

Kendall County (Past Action)-7	
Proposed Action:	Expand and improve County's Emergency Communications Network
BACKGROUND INFORMATION	
Site and Location:	Kendall County
History of Damages:	Law Enforcement, the Fire Department, the EMS, the Road and Bridge Department and other public safety agencies are presently unable to communicate during emergencies because of incompatible radio frequencies.

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	All
Priority (High, Moderate, Low):	High
Estimated Cost:	\$10,000
Potential Funding Sources:	Grants
Lead Agency/Department Responsible:	Emergency Management Office
Implementation Schedule:	2004 and ongoing

2010 Analysis:
Through DHS funding the County is currently working on building a VHF 7 channel trunked radio system for Fire and EMS throughout the county. As additional funding becomes available we will add additional agencies and jurisdictions. Ongoing and deferred.

SECTION 20: PAST ACTIONS

City of Boerne

City of Boerne – Kendall County (Past Action)-1	
Proposed Action:	Develop and implement a public outreach program promoting the availability of flood insurance in/out of SFHA
BACKGROUND INFORMATION	
Site and Location:	Boerne
History of Damages:	Boerne is subject to frequent flash flooding, during which privately owned property is often damaged

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	Flood
Priority (High, Moderate, Low):	Moderate
Estimated Cost:	\$10,000
Potential Funding Sources:	Grants
Lead Agency/Department Responsible:	Emergency management coordinator
Implementation Schedule:	2004

2010 Analysis:
Very little action was taken on this item. Most of what occurred was through national media campaigns. Ongoing and deferred.

SECTION 20: PAST ACTIONS

Refugio County

Refugio County (Past Action)-1	
Proposed Action:	Complete the Refugio County and all towns' emergency plan
BACKGROUND INFORMATION	
Site and Location:	Refugio County
History of Damages:	Texas Division of Emergency Management (DEM) has revised the format for emergency plans and the county is working with those responsible for various parts of the plan to update it to present standards.

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	All
Priority (High, Moderate, Low):	Very high
Estimated Cost:	\$5,000
Potential Funding Sources:	General revenues
Lead Agency/Department Responsible:	Office of Emergency Management
Implementation Schedule:	January 1, 2004

2010 Analysis:
Ongoing and deferred

SECTION 20: PAST ACTIONS

Refugio County (Past Action)-2	
Proposed Action:	Investigate the availability and cost to operate and maintain an outdoor warning siren system
BACKGROUND INFORMATION	
Site and Location:	Refugio County
History of Damages:	Refugio County and all towns rely on TV, radio, and some cable to disseminate warnings to the public.

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	All
Priority (High, Moderate, Low):	High
Estimated Cost:	\$160,000
Potential Funding Sources:	Grants, federal and/or state
Lead Agency/Department Responsible:	Office of Emergency Management
Implementation Schedule:	January 1, 2007

2010 Analysis:
Ongoing regional action including incorporated jurisdictions within county as funding is available

SECTION 20: PAST ACTIONS

City of Austwell

Austwell – Refugio County (Past Action)-1	
Proposed Action:	Complete the Refugio County and all towns emergency plan
BACKGROUND INFORMATION	
Site and Location:	Austwell
History of Damages:	Texas DEM has revised the format for emergency plans and the county is working with those responsible for various parts of the plan to update it to present standards.

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	All
Priority (High, Moderate, Low):	Very high
Estimated Cost:	\$5,000
Potential Funding Sources:	General revenues
Lead Agency/Department Responsible:	Office of Emergency Management
Implementation Schedule:	January 1, 2004

2010 Analysis:
Ongoing and deferred

SECTION 20: PAST ACTIONS

Austwell – Refugio County (Past Action)-2	
Proposed Action:	Investigate the availability and cost to operate and maintain an outdoor warning siren system
BACKGROUND INFORMATION	
Site and Location:	Austwell
History of Damages:	Refugio County and all towns rely on TV, radio, and some cable to disseminate warnings to the public.

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	All
Priority (High, Moderate, Low):	High
Estimated Cost:	\$160,000
Potential Funding Sources:	Grants, federal and/or state
Lead Agency/Department Responsible:	Office of Emergency Management
Implementation Schedule:	January 1, 2007

2010 Analysis:
Ongoing in conjunction with county as funding available; deferred

SECTION 20: PAST ACTIONS

Austwell – Refugio County (Past Action)-3	
Proposed Action:	Conduct a comprehensive drainage study that will recommend improvements described herein. A preliminary drainage study has been conducted by LNV Engineering; recommendations include design and construct drainage improvements, remove and/or replace culvert crossings, remove and/or replace driveway culvert crossings, and upgrade three (3) outfall structures into Hynes Bay.
BACKGROUND INFORMATION	
Site and Location:	Austwell
History of Damages:	The City experienced flooding in 2003, 2006 and 2007. The City of Austwell, situated along the Gulf Coast, is approximately 25 feet in elevation above Hynes Bay. While Hynes Bay does not pose a serious threat in terms of rising flood waters, any substantial rainfall within the City Limits of Austwell causes drainage problems and flooding to streets and residences. Flooding due to inadequate drainage is a city wide problem affecting all 192 residents, and affects area residents due to backflow.

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	Flood
Priority (High, Moderate, Low):	High
Estimated Cost:	\$1,400,000
Potential Funding Sources:	FEMA and ORCA funds
Lead Agency/Department Responsible:	Public Works
Implementation Schedule:	June 2009

2010 Analysis:
Partially Complete; deferred

SECTION 20: PAST ACTIONS

City of Bayside

Bayside – Refugio County (Past Action)-1	
Proposed Action:	Investigate the availability and cost to both operate and maintain an outdoor warning siren system
BACKGROUND INFORMATION	
Site and Location:	Bayside
History of Damages:	Refugio County and all towns rely on TV, radio, and some cable to disseminate warnings to the public.

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	All
Priority (High, Moderate, Low):	High
Estimated Cost:	\$160,000
Potential Funding Sources:	Grants, federal and/or state
Lead Agency/Department Responsible:	Office of Emergency Management
Implementation Schedule:	January 1, 2007

2010 Analysis:
Ongoing and deferred as funding is available

SECTION 20: PAST ACTIONS

Town of Refugio

Refugio – Refugio County (Past Action)-1	
Proposed Action:	Complete the Refugio County-and-all-towns emergency plan
BACKGROUND INFORMATION	
Site and Location:	Refugio
History of Damages:	Texas DEM has revised the format for emergency plans and the county is working with those responsible for various parts of the plan to update it to present standards.

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	All
Priority (High, Moderate, Low):	Very high
Estimated Cost:	\$5,000
Potential Funding Sources:	General revenues
Lead Agency/Department Responsible:	Office of Emergency Management
Implementation Schedule:	January 1, 2004

2010 Analysis:
Deferred

SECTION 20: PAST ACTIONS

Refugio – Refugio County (Past Action)-2	
Proposed Action:	Investigate the availability and cost to both operate and maintain an outdoor warning siren system
BACKGROUND INFORMATION	
Site and Location:	Refugio
History of Damages:	Refugio County and all towns rely on TV, radio, and some cable to disseminate warnings to the public.

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	All
Priority (High, Moderate, Low):	High
Estimated Cost:	\$160,000
Potential Funding Sources:	Grants, federal and/or state
Lead Agency/Department Responsible:	Office of Emergency Management
Implementation Schedule:	January 1, 2007

2010 Analysis:
Ongoing in conjunction with regional/county system as funding is available; deferred

SECTION 20: PAST ACTIONS

Refugio – Refugio County (Past Action)-3	
Proposed Action:	Create a hazard information and evacuation center to educate residents on when/how/where to relocate in the event of a hurricane or other related disaster
BACKGROUND INFORMATION	
Site and Location:	Refugio
History of Damages:	Hurricanes are a primary hazard and sometimes occur with little warning time for residents.

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	All
Priority (High, Moderate, Low):	High
Estimated Cost:	\$15,000
Potential Funding Sources:	Grants
Lead Agency/Department Responsible:	Fire service
Implementation Schedule:	2005

2010 Analysis:
Ongoing public awareness; deferred

SECTION 20: PAST ACTIONS

Refugio – Refugio County (Past Action)-4	
Proposed Action:	Develop and implement a debris removal plan
BACKGROUND INFORMATION	
Site and Location:	Refugio
History of Damages:	Debris is often left in roads and creeks as a result of disasters, particularly hurricanes. This makes roads inaccessible and poses a danger to residents in that (a) emergency officials may be blocked from access to injured individuals, downed power lines or other dangers; and (b) debris may contain hazardous substances that could be released into the environment.

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	All
Priority (High, Moderate, Low):	Moderate
Estimated Cost:	\$30,000
Potential Funding Sources:	Grants
Lead Agency/Department Responsible:	Fire service
Implementation Schedule:	2004

2010 Analysis:
Ongoing and deferred

SECTION 20: PAST ACTIONS

Town of Woodsboro

Woodsboro – Refugio County (Past Action)-1	
Proposed Action:	Complete the Refugio County and all towns emergency plan
BACKGROUND INFORMATION	
Site and Location:	Woodsboro
History of Damages:	Texas DEM has revised the format for emergency plans and the county is working with those responsible for various parts of the plan to update it to present standards.

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	All
Priority (High, Moderate, Low):	Very high
Estimated Cost:	\$5,000
Potential Funding Sources:	General revenues
Lead Agency/Department Responsible:	Office of Emergency Management
Implementation Schedule:	January 1, 2004

2010 Analysis:
Ongoing and deferred

SECTION 20: PAST ACTIONS

Woodsboro – Refugio County (Past Action)-2	
Proposed Action:	Investigate the availability and cost to both operate and maintain an outdoor warning siren system
BACKGROUND INFORMATION	
Site and Location:	Woodsboro
History of Damages:	Refugio County and all towns rely on TV, radio, and some cable to disseminate warnings to the public.

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	All
Priority (High, Moderate, Low):	High
Estimated Cost:	\$160,000
Potential Funding Sources:	Grants, federal and/or state
Lead Agency/Department Responsible:	Office of Emergency Management
Implementation Schedule:	January 1, 2007

2010 Analysis:
Ongoing as funding is available for county wide plan; deferred

SECTION 20: PAST ACTIONS

Victoria County

Victoria County (Past Action)-1	
Proposed Action:	Identify sites where stream and rain gages need to be added or upgraded and coordinate installation requests with USGS and the Guadalupe-Blanco River Authority
BACKGROUND INFORMATION	
Site and Location:	Victoria County
History of Damages:	An automated stream gauge is needed between Cuero and Victoria. The gauge at Dupont, below Victoria, needs to be replaced.

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	Flood
Priority (High, Moderate, Low):	Moderate
Estimated Cost:	\$25,000
Potential Funding Sources:	Grants
Lead Agency/Department Responsible:	Victoria County Floodplain Manager, in coordination with USGS and GBRA
Implementation Schedule:	2005

2010 Analysis:
Deferred

SECTION 20: PAST ACTIONS

Victoria County (Past Action)-2	
Proposed Action:	Re-route hazardous materials to alternate transportation routes outside the community
BACKGROUND INFORMATION	
Site and Location:	Victoria County
History of Damages:	Hazardous materials routinely traverse the heart of the city

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	Hazmat/Pipeline incidents
Priority (High, Moderate, Low):	High
Estimated Cost:	\$25,000
Potential Funding Sources:	Grants and general revenue
Lead Agency/Department Responsible:	MPO
Implementation Schedule:	2005

2010 Analysis:
Deferred

SECTION 20: PAST ACTIONS

Victoria County (Past Action)-3	
Proposed Action:	Send appropriate local officials to FEMA's Emergency Management Institute for continuing education, and to other sponsored training classes.
BACKGROUND INFORMATION	
Site and Location:	Victoria County
History of Damages:	Newly elected officials need competent background information to be able to make wise decisions

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	Multiple hazards
Priority (High, Moderate, Low):	Moderate
Estimated Cost:	\$200 per person
Potential Funding Sources:	General revenues
Lead Agency/Department Responsible:	Emergency Management
Implementation Schedule:	2005

2010 Analysis:
Deferred

SECTION 20: PAST ACTIONS

City of Victoria

City of Victoria – Victoria County (Past Action)-1	
Proposed Action:	Remove trees and brush in the floodplain along the Guadalupe River that have resulted from Hurricane Claudette and other disasters
BACKGROUND INFORMATION	
Site and Location:	Victoria
History of Damages:	Properties along the Guadalupe River have extensive amount of trees destroyed as a result of Hurricane Claudette. During the next major flood event these downed trees will cause log jams in the river and possible damage to water and wastewater plant facilities.

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	Flood, Wildfire
Priority (High, Moderate, Low):	Very high
Estimated Cost:	\$30,000,000
Potential Funding Sources:	Grants
Lead Agency/Department Responsible:	City of Victoria
Implementation Schedule:	December 2004

2010 Analysis:
Deferred

SECTION 20: PAST ACTIONS

City of Victoria – Victoria County (Past Action)-2	
Proposed Action:	Install city-wide early warning siren system for all hazards
BACKGROUND INFORMATION	
Site and Location:	Victoria
History of Damages:	The city only has EAS and “Reverse 9-1-1” to warn residents. These are not fast enough or reliable enough to warn everyone, particularly during a Haz-Mat spill.

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	All
Priority (High, Moderate, Low):	Very high
Estimated Cost:	\$250,000
Potential Funding Sources:	City may be able to match funds (25%) if federal or some funding received.
Lead Agency/Department Responsible:	City of Victoria
Implementation Schedule:	January 2005 (subject to receipt of federal or state funding)

2010 Analysis:
Ongoing and deferred

SECTION 20: PAST ACTIONS

City of Victoria – Victoria County (Past Action)-3	
Proposed Action:	Improve emergency management radio interoperability, coverage and reception
BACKGROUND INFORMATION	
Site and Location:	Victoria
History of Damages:	Remote control needed for switching to alternate radio tower site. Our system is UHF-800 MHz. Surrounding areas are VHF-high band. Need cross-band repeaters and switches for radio interoperability.

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	Flood, Wildfire, Hurricane, Severe Thunderstorm, Winter Storm
Priority (High, Moderate, Low):	Very high - remote switching Medium - interoperability
Estimated Cost:	\$500,000 total (\$250,000 - remote switching, \$250,000 - interoperability)
Potential Funding Sources:	City, grants
Lead Agency/Department Responsible:	City of Victoria
Implementation Schedule:	September 2005

2010 Analysis:
Ongoing and deferred

SECTION 20: PAST ACTIONS

City of Victoria – Victoria County (Past Action)-4	
Proposed Action:	Provide alternate power supply (i.e., generators) for water and wastewater pumping facilities.
BACKGROUND INFORMATION	
Site and Location:	Victoria
History of Damages:	Following thunderstorms, floods, and hurricanes electrical power is often unavailable for water and wastewater pumping facilities. This contributes to sanitary sewer overflows and interruption of water supply. Reductions in pressure and the inability to pump water and wastewater compromise the public health.

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	Multiple
Priority (High, Moderate, Low):	High
Estimated Cost:	\$750,000 for water facilities \$1,000,000 for wastewater facilities
Potential Funding Sources:	Grants
Lead Agency/Department Responsible:	City of Victoria
Implementation Schedule:	Subject to federal and/or state funding

2010 Analysis:
Deferred

SECTION 20: PAST ACTIONS

City of Victoria – Victoria County (Past Action)-5	
Proposed Action:	Clear trees and shape levee in south Victoria.
BACKGROUND INFORMATION	
Site and Location:	Victoria
History of Damages:	The federal government (WPA) constructed a levee system in the south part of town during the 1930s. The levee system has had little maintenance since. The growth of large trees threatens the stability of the levee. The levee needs to be cleared and shaped back to its original cross-section.

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	All
Priority (High, Moderate, Low):	High
Estimated Cost:	\$5,000,000 - \$2,000,000
Potential Funding Sources:	Grants/annual general fund budget
Lead Agency/Department Responsible:	City of Victoria
Implementation Schedule:	Subject to Federal, State and local funding

2010 Analysis:
Ongoing and deferred

SECTION 20: PAST ACTIONS

City of Victoria – Victoria County (Past Action)-6	
Proposed Action:	Buy out properties in floodway/floodplain in Victoria. *Subject to state, federal and local funding
BACKGROUND INFORMATION	
Site and Location:	Victoria
History of Damages:	About 500 homes are in the floodplain. After the 1998 flood, many homeowners rebuilt in the hazard areas.

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	Flood
Priority (High, Moderate, Low):	High
Estimated Cost:	\$15,000,000
Potential Funding Sources:	Grants
Lead Agency/Department Responsible:	City of Victoria
Implementation Schedule:	Subject to Federal, State and local funding

2010 Analysis:
Repetitive loss property buyouts during 2008 and 2009; ongoing as funding is available

SECTION 20: PAST ACTIONS

City of Victoria – Victoria County (Past Action)-7	
Proposed Action:	Establish a debris management plan for post-disasters
BACKGROUND INFORMATION	
Site and Location:	Victoria
History of Damages:	Removal of debris from natural disasters needs to be a planned activity. Experience from two recent events could be analyzed and put into a plan.

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	Multiple
Priority (High, Moderate, Low):	High
Estimated Cost:	\$50,000
Potential Funding Sources:	Grants, general revenues
Lead Agency/Department Responsible:	City of Victoria
Implementation Schedule:	June 2004, subject to receipt of Federal, State or local funding

2010 Analysis:
Numerous post disaster and mutual aid agreements in place

SECTION 20: PAST ACTIONS

City of Victoria – Victoria County (Past Action)-8	
Proposed Action:	Retrofit police, fire, and EMS facilities to hazard-resistant levels.
BACKGROUND INFORMATION	
Site and Location:	Victoria
History of Damages:	Fire, EMS and police stations are vulnerable to high winds, which can damage communications, roofs, windows, and mechanical parts of facilities.

MITIGATION ACTION DETAILS	
Primary Hazard Addressed:	Hurricane
Priority (High, Moderate, Low):	High
Estimated Cost:	\$500,000
Potential Funding Sources:	City may be able to match funds (25%) if federal or state funding received
Lead Agency/Department Responsible:	City of Victoria
Implementation Schedule:	June 1, 2005 (subject to federal or state funding)

2010 Analysis:
Ongoing as funding is available; deferred