

# PREVIOUS ACTIONS

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## Previous Actions

Planning team members were given copies of the mitigation actions submitted in the 2005 Plan at the mitigation workshops during the planning process. 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 “2011 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.

## CVCOG Region

Concho Valley Council of Governments (Past Action) – 1	
<b>Proposed Action:</b>	Mobile Command Center.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	CVCOG
<b>History of Damages:</b>	The Concho Valley Region is susceptible to a wide variety of natural hazards. Many of these natural disasters are beyond any control, the best option is to try and mitigate the loss of property and life. A good way of doing this is through responding quickly and efficiently with an adequate amount of communication equipment.

MITIGATION ACTION DETAILS	
<b>Primary Hazard Addressed:</b>	All Hazards
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$150,000
<b>Potential Funding Sources:</b>	Grants
<b>Lead Agency/Department Responsible:</b>	CVCOG
<b>Target Completion Date:</b>	2010

2011 Analysis:
Completed – San Angelo has the Mobile Command Center.

<b>Concho Valley Council of Governments (Past Action) – 2</b>	
<b>Proposed Action:</b>	Automated notification technology (Reverse 911).
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	CVCOG
<b>History of Damages:</b>	The Concho Valley Region is susceptible to a wide variety of natural hazards. Many of these natural disasters are beyond any control, the best option is to try and mitigate the loss of property and life. The best way to accomplish this is an early warning system.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	All Hazards
<b>Priority (High, Moderate, Low):</b>	Very High
<b>Estimated Cost:</b>	\$250,000
<b>Potential Funding Sources:</b>	Grants
<b>Lead Agency/Department Responsible:</b>	CVCOG
<b>Target Completion Date:</b>	2010

<b>2011 Analysis:</b>
Completed in 2007.

<b>Concho Valley Council of Governments (Past Action) – 3</b>	
<b>Proposed Action:</b>	Educate the public about pipelines: safety risks, detecting an accident, responding to accidents (Smalley Foundation training).
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	CVCOG
<b>History of Damages:</b>	The Concho Valley Region is crisscrossed with pipelines. Many of the elected officials and most of the general population are not aware of this and the potential hazards that accompany such a pipeline system.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Hazardous Material Incident, Fuel Pipeline Failure
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$1,000
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	CVCOG
<b>Target Completion Date:</b>	2006

<b>2011 Analysis:</b>
Keep as proposed action for 2014.

## Coke County

<b>Coke County (Past Action) – 1</b>	
<b>Proposed Action:</b>	Charge a premium price for excavator usage.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Coke County
<b>History of Damages:</b>	Drought conditions last for years at a time.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Drought
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	N/A
<b>Potential Funding Sources:</b>	N/A
<b>Lead Agency/Department Responsible:</b>	City of Robert Lee, Town of Bronte, Coke County
<b>Target Completion Date:</b>	4 months

<b>2011 Analysis:</b>
"Excavator" should be "equipment" An update is necessary, and this is a continued process, defer.

**Coke County (Past Action) – 2**

<b>Proposed Action:</b>	Implement a tree trimming project that routinely clears tree timber hanging in right-of-way.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Coke County
<b>History of Damages:</b>	There is a history of occasional tornado/wind storms.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Tornado
<b>Priority (High, Moderate, Low):</b>	Moderate
<b>Estimated Cost:</b>	\$10,000
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	City of Robert Lee, Town of Bronte, Coke County
<b>Target Completion Date:</b>	1 year

<b>2011 Analysis:</b>
This is an annual project and needs to rollover into the new plan.

**Coke County (Past Action) – 3**

<b>Proposed Action:</b>	Cut fire breaks along county roads and county property.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Coke County
<b>History of Damages:</b>	There is a history of occasional fire hazards.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Wildfire
<b>Priority (High, Moderate, Low):</b>	Moderate
<b>Estimated Cost:</b>	\$10,000
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	Coke County
<b>Target Completion Date:</b>	1 year

<b>2011 Analysis:</b>
This is an ongoing project yearly, and because of the fire, the County has spent over \$100,000 for just one fire that occurred. Rollover into new plan.

**Coke County (Past Action) – 4**

<b>Proposed Action:</b>	Advertise and promote the availability of crop insurance.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Coke County
<b>History of Damages:</b>	There is a history of occasional severe storms.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Thunderstorm
<b>Priority (High, Moderate, Low):</b>	Moderate
<b>Estimated Cost:</b>	\$200
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	Coke County
<b>Target Completion Date:</b>	1 month

<b>2011 Analysis:</b>
Advertising annually with the extension service. This is important to the County and they would like to roll it over into the new plan.



Previous Actions

**Coke County (Past Action) – 5**

<b>Proposed Action:</b>	Develop burn restrictions.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Coke County
<b>History of Damages:</b>	There is a history of occasional fire hazards.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Wildfire
<b>Priority (High, Moderate, Low):</b>	Moderate
<b>Estimated Cost:</b>	N/A
<b>Potential Funding Sources:</b>	N/A
<b>Lead Agency/Department Responsible:</b>	Coke County
<b>Target Completion Date:</b>	1 year

<b>2011 Analysis:</b>
Completed.

**Coke County (Past Action) – 6**

<b>Proposed Action:</b>	Coordinate wildfire hazard plan with other agencies.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Coke County
<b>History of Damages:</b>	There is a history of occasional wildfire hazards.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Wildfire
<b>Priority (High, Moderate, Low):</b>	Moderate
<b>Estimated Cost:</b>	N/A
<b>Potential Funding Sources:</b>	N/A
<b>Lead Agency/Department Responsible:</b>	City of Robert Lee, Town of Bronte, Coke County
<b>Target Completion Date:</b>	To be determined

<b>2011 Analysis:</b>
Completed and currently in place.

**Coke County (Past Action) – 7**

<b>Proposed Action:</b>	Expand rainfall observer program, utilize volunteers.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Coke County
<b>History of Damages:</b>	There is a history of occasional flooding.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Flood
<b>Priority (High, Moderate, Low):</b>	Moderate
<b>Estimated Cost:</b>	N/A
<b>Potential Funding Sources:</b>	N/A
<b>Lead Agency/Department Responsible:</b>	Weather Bureau
<b>Target Completion Date:</b>	1 year

<b>2011 Analysis:</b>
Have a volunteer fire department, but would like to rollover this action because it is done annually.

**Coke County (Past Action) – 8**

<b>Proposed Action:</b>	Provide safety procedures to builders for building and operating near hazard pipelines.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Coke County
<b>History of Damages:</b>	There is a history of occasional hazmat/pipeline hazards.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Hazardous Material Incident, Fuel Pipeline Failure
<b>Priority (High, Moderate, Low):</b>	Moderate
<b>Estimated Cost:</b>	N/A
<b>Potential Funding Sources:</b>	N/A
<b>Lead Agency/Department Responsible:</b>	Hazmat operator
<b>Target Completion Date:</b>	1 year

<b>2011 Analysis:</b>
The emergency management currently in place is already covering this. This action is currently in place, completed.

**Coke County (Past Action) – 9**

<b>Proposed Action:</b>	Develop Mutual Aid Agreements with neighboring communities.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Coke County
<b>History of Damages:</b>	N/A

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Terrorism
<b>Priority (High, Moderate, Low):</b>	Low
<b>Estimated Cost:</b>	Minimal
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	City of Robert Lee, Town of Bronte, Coke County
<b>Target Completion Date:</b>	1 year

<b>2011 Analysis:</b>
This action is currently in place, completed.

**Town of Bronte**

<b>Town of Bronte (Past Action) – 1</b>	
<b>Proposed Action:</b>	Develop a soil conservation plan for wind and water erosion of soil, especially near city streams, rivers and lakes. Spray or control salt cedar. Provide incentives for farms and ranch diversifications strategies.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Town of Bronte
<b>History of Damages:</b>	The Town of Bronte has had several droughts in recent history and a heat wave in 1994.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Drought, Excessive Heat
<b>Priority (High, Moderate, Low):</b>	Very High
<b>Estimated Cost:</b>	\$3.5 million
<b>Potential Funding Sources:</b>	Grants
<b>Lead Agency/Department Responsible:</b>	Town of Bronte
<b>Target Completion Date:</b>	5 years

<b>2011 Analysis:</b>
Rollover into new plan.

**Town of Bronte (Past Action) – 2**

<b>Proposed Action:</b>	Develop a soil conservation plan for wind and water erosion of soil, especially near city streams, rivers and lakes. Spray or control salt cedar. Provide incentives for farms and ranch diversifications strategies.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Town of Bronte
<b>History of Damages:</b>	The Town of Bronte has had several droughts in recent history and a heat wave in 1994.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Drought, Excessive Heat
<b>Priority (High, Moderate, Low):</b>	Very High
<b>Estimated Cost:</b>	\$1.6 million
<b>Potential Funding Sources:</b>	Grants
<b>Lead Agency/Department Responsible:</b>	Town of Bronte
<b>Target Completion Date:</b>	5 years

<b>2011 Analysis:</b>
Ongoing action.

**Town of Bronte (Past Action) – 3**

<b>Proposed Action:</b>	Build water reservoirs or wells for use in times of water outage and/or drought.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Town of Bronte
<b>History of Damages:</b>	The Town of Bronte has had several droughts in recent history and a heat wave in 1994.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Drought, Excessive Heat
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$2 million
<b>Potential Funding Sources:</b>	Grants
<b>Lead Agency/Department Responsible:</b>	Town of Bronte
<b>Target Completion Date:</b>	5 years

<b>2011 Analysis:</b>
Ongoing action, rollover into new plan.



Previous Actions

**Town of Bronte (Past Action) – 4**

<b>Proposed Action:</b>	Maintain sewer manholes with watertight covers and inflow guards.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Town of Bronte
<b>History of Damages:</b>	The Town of Bronte experienced a major flash flood in 1998.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Flood
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$500,000
<b>Potential Funding Sources:</b>	Grants
<b>Lead Agency/Department Responsible:</b>	Town of Bronte
<b>Target Completion Date:</b>	5 years

<b>2011 Analysis:</b>
Ongoing project.

**Town of Bronte (Past Action) – 5**

<b>Proposed Action:</b>	Flood-proof sewage treatment plants in flood hazard/low-lying areas.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Town of Bronte
<b>History of Damages:</b>	The Town of Bronte experienced a major flood in 1998.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Flood
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$100,000
<b>Potential Funding Sources:</b>	Grants
<b>Lead Agency/Department Responsible:</b>	Town of Bronte
<b>Target Completion Date:</b>	5 years

<b>2011 Analysis:</b>
Currently working on a sewer plant now, ongoing action.

**Town of Bronte (Past Action) – 6**

<b>Proposed Action:</b>	Obtain emergency generator for water treatment plant.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Town of Bronte
<b>History of Damages:</b>	Power outages ranging from 1 to 6 hours due to downed power lines from thunderstorms and wind storms.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Thunderstorm, Tornado
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$75,000
<b>Potential Funding Sources:</b>	Grants
<b>Lead Agency/Department Responsible:</b>	Town of Bronte
<b>Target Completion Date:</b>	5 years

<b>2011 Analysis:</b>
Rollover into new plan.

**Town of Bronte (Past Action) – 7**

<b>Proposed Action:</b>	Prepare brochure for residents explaining warning signals for severe weather and wildfires.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Town of Bronte
<b>History of Damages:</b>	The Town of Bronte has a history of severe weather and winter storms.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Thunderstorm, Tornado
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$200
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	Town of Bronte
<b>Target Completion Date:</b>	December 31, 2004

<b>2011 Analysis:</b>
Rollover action.

**Town of Bronte (Past Action) – 8**

<b>Proposed Action:</b>	Distribute brochures regarding water conservation.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Town of Bronte
<b>History of Damages:</b>	The Town of Bronte has had several droughts in recent history and a heat wave in 1994.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Drought, Excessive Heat
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$50
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	Town of Bronte
<b>Target Completion Date:</b>	December 31, 2004

<b>2011 Analysis:</b>
This action has been completed.

**Town of Bronte (Past Action) – 9**

<b>Proposed Action:</b>	Purchase NOAA (all weather) radio.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Town of Bronte
<b>History of Damages:</b>	The Town of Bronte has a history of severe weather and winter storms.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Thunderstorm, Winter Storm, Hail
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	To be determined
<b>Potential Funding Sources:</b>	Grants
<b>Lead Agency/Department Responsible:</b>	Town of Bronte
<b>Target Completion Date:</b>	5 years

<b>2011 Analysis:</b>
This action has been completed.

Previous Actions

<b>Town of Bronte (Past Action) – 10</b>	
<b>Proposed Action:</b>	Clean out creeks and erosion control.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Town of Bronte
<b>History of Damages:</b>	The Town of Bronte experienced a major flood in 1998.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Flood
<b>Priority (High, Moderate, Low):</b>	Moderate
<b>Estimated Cost:</b>	\$150,000
<b>Potential Funding Sources:</b>	Grants
<b>Lead Agency/Department Responsible:</b>	Town of Bronte
<b>Target Completion Date:</b>	5 years

<b>2011 Analysis:</b>
Ongoing activity.

Previous Actions

**Town of Bronte (Past Action) – 11**

<b>Proposed Action:</b>	Distribute to citizens information regarding flood insurance program.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Town of Bronte
<b>History of Damages:</b>	Flooding as a result of heavy rains northwest of the Town of Bronte. Water trying to get to the Kickapoo Creeks, floods several locations.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Flood
<b>Priority (High, Moderate, Low):</b>	Moderate
<b>Estimated Cost:</b>	Less than \$50
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	Town of Bronte
<b>Target Completion Date:</b>	December 31, 2004

<b>2011 Analysis:</b>
This action has been completed.



**City of Robert Lee**

<b>City of Robert Lee (Past Action) – 1</b>	
<b>Proposed Action:</b>	Undertake remediation of Mountain Creek Dam and/or spillway. Upgrade spillway structure capability to discharge 100% of the probable maximum flood based on the presence of residences and the city’s water treatment plant, located downstream of the dam, which would be adversely affected in the event of a break of the dam.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Robert Lee
<b>History of Damages:</b>	Mountain Creek Dam is classified by the Texas Commission on Environmental Quality (TCEQ) as a high hazard structure. Owner is the Upper Colorado River and the operator is the City of Robert Lee. Mountain Creek is a drinking water source for the City of Robert Lee.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Flood
<b>Priority (High, Moderate, Low):</b>	Very High
<b>Estimated Cost:</b>	\$750,000 or greater
<b>Potential Funding Sources:</b>	Assistance would be required in the form of low-interest, long-term loans or grants. Texas Community Development Block Grants, Texas Capital Fund, Rural Development, bonds or other avenues would be considered.
<b>Lead Agency/Department Responsible:</b>	City of Robert Lee, Upper Colorado River Authority
<b>Target Completion Date:</b>	6-12 months

<b>2011 Analysis:</b>
A preventive maintenance/remediation plan is in effect and includes annual maintenance of dam and spillway. Sections of the spillway will be removed or repaired each year. Target completion of spillway is 3 years.

Previous Actions

**City of Robert Lee (Past Action) – 2**

<b>Proposed Action:</b>	Undertake remediation of Mountain Creek Dam and/or spillway. Initiate a hydrologic and hydraulic study, if not already prepared, for the study of the area in preparation of taking necessary corrective action measures for Mountain Creek Dam.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Robert Lee
<b>History of Damages:</b>	Mountain Creek Dam is classified by the TCEQ as a high hazard structure. Owner is the Upper Colorado River and the operator is the City of Robert Lee. Mountain Creek is a drinking water source for the City of Robert Lee.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Flood
<b>Priority (High, Moderate, Low):</b>	Very High
<b>Estimated Cost:</b>	\$15,000
<b>Potential Funding Sources:</b>	Assistance would be required in the form of low-interest, long-term loans or grants. Texas Community Development Block Grants, Texas Capital Fund, Rural Development, bonds or other avenues would be considered.
<b>Lead Agency/Department Responsible:</b>	City of Robert Lee, Upper Colorado River Authority
<b>Target Completion Date:</b>	6-12 months

<b>2011 Analysis:</b>
Study has been completed by UCRA.

Previous Actions

**City of Robert Lee (Past Action) – 3**

<b>Proposed Action:</b>	Undertake remediation of Mountain Creek Dam and/or spillway. Initiate a preliminary engineering study concerning the watershed for Mountain Creek Reservoir to determine if a hydrologic and hydraulic study is warranted.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Robert Lee
<b>History of Damages:</b>	Mountain Creek Dam is classified by the TCEQ as a high hazard structure. Owner is the Upper Colorado River and the operator is the City of Robert Lee. Mountain Creek is a drinking water source for the City of Robert Lee.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Flood
<b>Priority (High, Moderate, Low):</b>	Very High
<b>Estimated Cost:</b>	\$10,000
<b>Potential Funding Sources:</b>	Assistance would be required in the form of low-interest, long-term loans or grants. Texas Community Development Block Grants, Texas Capital Fund, Rural Development, bonds or other avenues would be considered.
<b>Lead Agency/Department Responsible:</b>	City of Robert Lee, Upper Colorado River Authority
<b>Target Completion Date:</b>	6-12 months

<b>2011 Analysis:</b>
Annual inspections are performed by SKG Engineering.

Previous Actions

**City of Robert Lee (Past Action) – 4**

<b>Proposed Action:</b>	Replace inadequate drainage structure on Austin Street between 15th Street between Childress and 12th Streets. Replace 18-inch corrugated metal pipe by a 4' x 3' multiple box culvert with four spans. This will involve removing and replacing metal pipe and pavement in the area adjacent to the culvert locations.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Robert Lee
<b>History of Damages:</b>	Inadequate drainage structure on 15th Street between Childress and 12th Streets. The existing 18-inch corrugated metal pipe should be replaced. This problem directly affects adjacent homes.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Flood
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$35,000
<b>Potential Funding Sources:</b>	Assistance would be required in the form of low-interest, long-term loans or grants. Texas Community Development Block Grants, Texas Capital Fund, Rural Development, bonds or other avenues would be considered.
<b>Lead Agency/Department Responsible:</b>	City of Robert Lee
<b>Target Completion Date:</b>	6 months

<b>2011 Analysis:</b>
Defer 24 months due to drought/lack of rain.

Previous Actions

**City of Robert Lee (Past Action) – 5**

<b>Proposed Action:</b>	Install lift station and force main at water treatment plant to lift from the city’s existing collection system on Austin Street to route water from the treatment holding ponds to the wastewater plant as needed.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Robert Lee
<b>History of Damages:</b>	The holding ponds at the water treatment plant holding backwash water periodically floods with significant rainfall and discharge into the Colorado River. This is a potential violation of the TCEQ.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Flood
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$30,000
<b>Potential Funding Sources:</b>	Assistance would be required in the form of low-interest, long-term loans or grants. Texas Community Development Block Grants, Texas Capital Fund, Rural Development, bonds or other avenues would be considered.
<b>Lead Agency/Department Responsible:</b>	City of Robert Lee
<b>Target Completion Date:</b>	3 months

<b>2011 Analysis:</b>
Project completed.

**City of Robert Lee (Past Action) – 6**

<b>Proposed Action:</b>	Purchase a backup generator to restore power to pump stations at the water and wastewater treatment plants during power outages.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Robert Lee
<b>History of Damages:</b>	Severe storms periodically cause power outages putting the water and wastewater treatment systems at risk.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Tornado, Thunderstorm
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$15,000
<b>Potential Funding Sources:</b>	Assistance would be required in the form of low-interest, long-term loans or grants. Texas Community Development Block Grants, Texas Capital Fund, Rural Development, bonds or other avenues would be considered.
<b>Lead Agency/Department Responsible:</b>	City of Robert Lee
<b>Target Completion Date:</b>	3 months

<b>2011 Analysis:</b>
Defer/Target 36 months.

Previous Actions

**City of Robert Lee (Past Action) – 7**

<b>Proposed Action:</b>	Adopt routine fire hydrant maintenance. Each valve should be periodically operated and maintained in proper working condition, in conjunction with line flushing. Any inoperative unit shall be replaced at first opportunity. Fire hydrants should be located within 500’ of every building.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Robert Lee
<b>History of Damages:</b>	There appears to be areas where fire hydrants are not located within 500’ of all structures and improvements. Fire hydrants are not flushed and checked on a routine basis and should be.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Wildfire
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$12,000
<b>Potential Funding Sources:</b>	General revenues, assistance would be required in the form of low interest, long-term loans or grants. Texas Community Development Block Grants, Texas Capital Fund, Rural Development, bonds or other avenues would be considered.
<b>Lead Agency/Department Responsible:</b>	City of Robert Lee, VFD
<b>Target Completion Date:</b>	6-12 months

<b>2011 Analysis:</b>
Defer 36 months.

**City of Robert Lee (Past Action) – 8**

<b>Proposed Action:</b>	Purchase additional early warning systems for hazard events.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Robert Lee
<b>History of Damages:</b>	The city currently has two locations where warning sirens are installed. However, at times these do not adequately cover the response area needed.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	All Hazards
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$10,000
<b>Potential Funding Sources:</b>	Assistance would be required in the form of low-interest, long-term loans or grants. Texas Community Development Block Grants, Texas Capital Fund, Rural Development, bonds or other avenues would be considered.
<b>Lead Agency/Department Responsible:</b>	City of Robert Lee
<b>Target Completion Date:</b>	3 months

<b>2011 Analysis:</b>
Remove.



Previous Actions

**City of Robert Lee (Past Action) – 9**

<b>Proposed Action:</b>	Replace inadequate drainage structure on Austin Street between 15th and 12th Streets. Replace existing 18-inch corrugated metal pipe with two 36-inch corrugated metal pipes. This will involve removing and replacing metal pipe and pavement along Austin Street.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Robert Lee
<b>History of Damages:</b>	The existing 18-inch corrugated metal pipe does not have the required capacity to carry the 5-year design flow and will become inundated and cause unacceptable headwater elevations. This problem will directly affect adjacent homes.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Flood
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$7,000
<b>Potential Funding Sources:</b>	Assistance would be required in the form of low-interest, long-term loans or grants. Texas Community Development Block Grants, Texas Capital Fund, Rural Development, bonds or other avenues would be considered.
<b>Lead Agency/Department Responsible:</b>	City of Robert Lee
<b>Target Completion Date:</b>	6 months

<b>2011 Analysis:</b>
Defer 24 months due to drought/lack of rain.

Previous Actions

**City of Robert Lee (Past Action) – 10**

<b>Proposed Action:</b>	Add/increase dimensions of drainage culverts in troublesome areas of the City. This may involve removing and replacing pavement in the area adjacent to the culvert locations.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Robert Lee
<b>History of Damages:</b>	Add new drainage system to address flooding of adjacent homes on Washington and Hamilton Streets between 10th and 15th Streets. This problem directly affects adjacent homes.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Flood
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$7,000
<b>Potential Funding Sources:</b>	Assistance would be required in the form of low-interest, long-term loans or grants. Texas Community Development Block Grants, Texas Capital Fund, Rural Development, bonds or other avenues would be considered.
<b>Lead Agency/Department Responsible:</b>	City of Robert Lee
<b>Target Completion Date:</b>	6 months

<b>2011 Analysis:</b>
Defer 24 months. Project low priority due to drought/lack of rain.

Previous Actions

**City of Robert Lee (Past Action) – 11**

<b>Proposed Action:</b>	Provide water conservation education, and promote water and energy conservation on the local government level.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Robert Lee
<b>History of Damages:</b>	The City has watering restriction and drought contingency plans in place.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Drought
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$2,000
<b>Potential Funding Sources:</b>	General revenues, assistance would be required in the form of low-interest, long-term loans or grants. Texas Community Development Block Grants, Texas Capital Fund, Rural Development, bonds or other avenues would be considered.
<b>Lead Agency/Department Responsible:</b>	City of Robert Lee
<b>Target Completion Date:</b>	Year round, focusing on summer months

<b>2011 Analysis:</b>
Critical water supply. High outdoor restrictions in place. Investigating alternate water supply/ground water.

Previous Actions

<b>City of Robert Lee (Past Action) – 12</b>	
<b>Proposed Action:</b>	Prepare a brochure detailing warning signals and meaning for wildfire or severe weather conditions.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Robert Lee
<b>History of Damages:</b>	City Hall has two sirens located around the City that are used to signal residents for fire response and/or severe weather conditions.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Multiple Hazards
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$200
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	City of Robert Lee
<b>Target Completion Date:</b>	3-6 months

<b>2011 Analysis:</b>
Completed.

Previous Actions

**City of Robert Lee (Past Action) – 13**

<b>Proposed Action:</b>	Purchase a NOAA “All Hazards” radio for City Hall.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Robert Lee
<b>History of Damages:</b>	City Hall has no radio communication to alert for potential weather conditions.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Multiple Hazards
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$50
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	City of Robert Lee
<b>Target Completion Date:</b>	3-6 months

<b>2011 Analysis:</b>
Completed.

Previous Actions

**City of Robert Lee (Past Action) – 14**

<b>Proposed Action:</b>	Evaluate water quantity and quality from new sources.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Robert Lee
<b>History of Damages:</b>	The City is always looking for alternate water sources that may be available for improved water quality and improved drinking standards; also alternate water source in the event of severe drought.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Drought
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	Unknown
<b>Potential Funding Sources:</b>	General revenues, assistance would be required in the form of low-interest, long-term loans or grants. Texas Community Development Block Grants, Texas Capital Fund, Rural Development, bonds or other avenues would be considered.
<b>Lead Agency/Department Responsible:</b>	City of Robert Lee
<b>Target Completion Date:</b>	6-12 months

<b>2011 Analysis:</b>
A comprehensive engineer study performed on the availability of alternate water sources that cost \$6,000. Presently drilling & testing underground well fields for potential alternate water sources. Cost still unknown.

Previous Actions

**City of Robert Lee (Past Action) – 15**

<b>Proposed Action:</b>	Clear an overgrown waterway. Clear and straighten the channel to the tributary of the Colorado River which runs through the western part of the City. Remove excess debris and growth within waterways.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Robert Lee
<b>History of Damages:</b>	Channel improvements to the tributary of the Colorado River which runs through the western part of the City to promote better drainage characteristics and minimize backwater conditions caused by excess debris and growth within the waterways.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Flood
<b>Priority (High, Moderate, Low):</b>	Moderate
<b>Estimated Cost:</b>	\$14,000
<b>Potential Funding Sources:</b>	Assistance would be required in the form of low-interest, long-term loans or grants. Texas Community Development Block Grants, Texas Capital Fund, Rural Development, bonds or other avenues would be considered.
<b>Lead Agency/Department Responsible:</b>	City of Robert Lee
<b>Target Completion Date:</b>	6-12 months

<b>2011 Analysis:</b>
Remove; very low hazard due to drought.

Previous Actions

**City of Robert Lee (Past Action) – 16**

<b>Proposed Action:</b>	Join the National Flood Insurance Program.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Robert Lee
<b>History of Damages:</b>	The City has not joined the National Flood Insurance Program.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Flood
<b>Priority (High, Moderate, Low):</b>	Moderate
<b>Estimated Cost:</b>	Very little
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	City of Robert Lee
<b>Target Completion Date:</b>	6 months

<b>2011 Analysis:</b>
Completed.



## Concho County

<b>Concho County (Past Action) – 1</b>	
<b>Proposed Action:</b>	Implement and enhance an area-wide telephone emergency notification system (Reverse 911).
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Concho County
<b>History of Damages:</b>	Need for better communications is always there.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Multiple Hazards
<b>Priority (High, Moderate, Low):</b>	Very High
<b>Estimated Cost:</b>	\$250,000
<b>Potential Funding Sources:</b>	Grants
<b>Lead Agency/Department Responsible:</b>	Commissioner’s Court
<b>Target Completion Date:</b>	5 years

<b>2011 Analysis:</b>
Completed.

**Concho County (Past Action) – 2**

<b>Proposed Action:</b>	Develop emergency response plans for farms: stockpile pumps, pipes, water filters and other equipment; establish water hauling for livestock and drinking water for people; establish hay hot line emergency shipments.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Concho County
<b>History of Damages:</b>	Concho County has a history of dry weather.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Drought, Excessive Heat
<b>Priority (High, Moderate, Low):</b>	Very High
<b>Estimated Cost:</b>	\$100,000
<b>Potential Funding Sources:</b>	Grants
<b>Lead Agency/Department Responsible:</b>	Local fire departments, Concho County Commissioners
<b>Target Completion Date:</b>	2 years

<b>2011 Analysis:</b>
Ongoing, it hasn't been fully completed. Rollover into new plan, estimated completion 2014.

**Concho County (Past Action) – 3**

<b>Proposed Action:</b>	Develop a soil conservation plan for wind and water erosions of soils, reduced soil quality.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Concho County
<b>History of Damages:</b>	Concho County has a history of bad droughts and heat.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Drought, Excessive Heat
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$50,000
<b>Potential Funding Sources:</b>	Grants
<b>Lead Agency/Department Responsible:</b>	Local Soil and Water Conservation Board
<b>Target Completion Date:</b>	3 years

<b>2011 Analysis:</b>
Ongoing, estimated completion in 2014.

<b>Concho County (Past Action) – 4</b>	
<b>Proposed Action:</b>	Install fire danger rating/burn ban signs.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Concho County
<b>History of Damages:</b>	Wildfire danger is always present.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Wildfire
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$1,000
<b>Potential Funding Sources:</b>	Grants
<b>Lead Agency/Department Responsible:</b>	Local fire departments, Concho county Commissioners
<b>Target Completion Date:</b>	5 years

<b>2011 Analysis:</b>
Completed.

**Concho County (Past Action) – 5**

<b>Proposed Action:</b>	Prepare and advertise the local emergency evacuation plan, such as escape routes.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Concho County
<b>History of Damages:</b>	The area is susceptible to storm-related winds.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Tornado, Thunderstorm, Hail
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$500
<b>Potential Funding Sources:</b>	Grants
<b>Lead Agency/Department Responsible:</b>	Country Extension Service
<b>Target Completion Date:</b>	1 year

<b>2011 Analysis:</b>
Completed.

<b>Concho County (Past Action) – 6</b>	
<b>Proposed Action:</b>	Advertise and promote the availability of crop insurance.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Concho County
<b>History of Damages:</b>	Agriculture based community – hail will damage entire year’s production in just a few minutes.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Thunderstorm, Hail
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$500
<b>Potential Funding Sources:</b>	Grants
<b>Lead Agency/Department Responsible:</b>	Concho County Commissioners
<b>Target Completion Date:</b>	1 year

<b>2011 Analysis:</b>
Completed.

Previous Actions

<b>Concho County (Past Action) – 7</b>	
<b>Proposed Action:</b>	Educate the public on extreme heat/drought safety and health issues.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Concho County
<b>History of Damages:</b>	This is West Texas and we expect droughts and heat.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Drought, Excessive Heat
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$250
<b>Potential Funding Sources:</b>	Grants
<b>Lead Agency/Department Responsible:</b>	Concho County Extension Service
<b>Target Completion Date:</b>	3 months

<b>2011 Analysis:</b>
Completed.

**City of Eden**

<b>City of Eden (Past Action) – 1</b>	
<b>Proposed Action:</b>	Improve Emergency Management radio coverage and reception.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Eden
<b>History of Damages:</b>	The City of Eden is susceptible to many hazards.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Multiple Hazards
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$25,000
<b>Potential Funding Sources:</b>	Grants
<b>Lead Agency/Department Responsible:</b>	City Council
<b>Target Completion Date:</b>	2007

<b>2011 Analysis:</b>
Completed.



<b>City of Eden (Past Action) – 2</b>	
<b>Proposed Action:</b>	Build water wells for use in times of water outage/drought.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Eden
<b>History of Damages:</b>	The City of Eden depends only on well water. Radiation has affected some wells and the City of Eden could be in danger of water outage.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Drought
<b>Priority (High, Moderate, Low):</b>	Moderate
<b>Estimated Cost:</b>	\$100,000
<b>Potential Funding Sources:</b>	Grants
<b>Lead Agency/Department Responsible:</b>	City Council
<b>Target Completion Date:</b>	2007

<b>2011 Analysis:</b>
Not completed, ongoing project.

**City of Eden (Past Action) – 3**

<b>Proposed Action:</b>	Provide proper design criteria for tornado/storm safe rooms.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Eden
<b>History of Damages:</b>	Frequency of tornadoes and dangerous high winds in the City of Eden.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Tornado, Thunderstorm
<b>Priority (High, Moderate, Low):</b>	Moderate
<b>Estimated Cost:</b>	\$2,000
<b>Potential Funding Sources:</b>	Grants
<b>Lead Agency/Department Responsible:</b>	City Council
<b>Target Completion Date:</b>	2007

<b>2011 Analysis:</b>
Ongoing.

**City of Eden (Past Action) – 4**

<b>Proposed Action:</b>	Educate residents about xeriscaping.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Eden
<b>History of Damages:</b>	The City of Eden has been in a lengthy drought for years.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Drought, Excessive Heat
<b>Priority (High, Moderate, Low):</b>	Moderate
<b>Estimated Cost:</b>	\$200
<b>Potential Funding Sources:</b>	Grants
<b>Lead Agency/Department Responsible:</b>	City Council
<b>Target Completion Date:</b>	2007

<b>2011 Analysis:</b>
Completed.

**Town of Paint Rock**

<b>Town of Paint Rock (Past Action) – 1</b>	
<b>Proposed Action:</b>	Implement and enhance an area-wide telephone emergency notification system (Reverse 911).
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Town of Paint Rock
<b>History of Damages:</b>	Due to the different hazards (hail, wind, tornado, and wildfires) that have affected the Town of Paint Rock.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Multiple Hazards
<b>Priority (High, Moderate, Low):</b>	Very High
<b>Estimated Cost:</b>	\$250,000
<b>Potential Funding Sources:</b>	Grants
<b>Lead Agency/Department Responsible:</b>	Town of Paint Rock, Commissioner’s Court
<b>Target Completion Date:</b>	June 2009

<b>2011 Analysis:</b>
Completed.

Previous Actions

**Town of Paint Rock (Past Action) – 2**

<b>Proposed Action:</b>	Install fire danger ratings/burn ban signs.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Town of Paint Rock
<b>History of Damages:</b>	The Town of Paint Rock has had numerous fires within the town.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Wildfire
<b>Priority (High, Moderate, Low):</b>	Very High
<b>Estimated Cost:</b>	\$1,000
<b>Potential Funding Sources:</b>	Grants
<b>Lead Agency/Department Responsible:</b>	Town of Paint Rock, Forest Service
<b>Target Completion Date:</b>	To be determined

<b>2011 Analysis:</b>
Completed.

**Town of Paint Rock (Past Action) – 3**

<b>Proposed Action:</b>	Purchase NOAA “All Hazards” radios for emergency warning and post-event information and place in schools, businesses, and critical facilities.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Town of Paint Rock
<b>History of Damages:</b>	Severe storms and hail have caused damage in the Town of Paint Rock.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Thunderstorm, Hail
<b>Priority (High, Moderate, Low):</b>	Very High
<b>Estimated Cost:</b>	\$1,000
<b>Potential Funding Sources:</b>	Grants
<b>Lead Agency/Department Responsible:</b>	City Council, School Board
<b>Target Completion Date:</b>	June 2005

<b>2011 Analysis:</b>
Ongoing.

**Town of Paint Rock (Past Action) – 4**

<b>Proposed Action:</b>	Develop water/power supplies crisis response plan.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Town of Paint Rock
<b>History of Damages:</b>	The Town of Paint Rock has a history of heat/drought.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Drought, Excessive Heat
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$100,000
<b>Potential Funding Sources:</b>	Grants, donations
<b>Lead Agency/Department Responsible:</b>	Town of Paint Rock
<b>Target Completion Date:</b>	June 2007

<b>2011 Analysis:</b>
Estimated completion date 2014, rollover.

**Town of Paint Rock (Past Action) – 5**

<b>Proposed Action:</b>	Develop emergency response plans for farms: stockpile pumps, water filters and other equipment; establish water hauling programs for livestock; establish hay hot line emergency shipments.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Town of Paint Rock
<b>History of Damages:</b>	Concho County/ Town of Paint Rock have a history of heat and drought.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Drought, Excessive Heat
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$50,000
<b>Potential Funding Sources:</b>	Grants, donations
<b>Lead Agency/Department Responsible:</b>	Volunteer fire department, Concho County Commissioners
<b>Target Completion Date:</b>	June 2007

<b>2011 Analysis:</b>
Estimated completion date is 2014, rollover.



**Town of Paint Rock (Past Action) – 6**

<b>Proposed Action:</b>	Evaluate water quality and quantity from new sources.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Town of Paint Rock
<b>History of Damages:</b>	The Town of Paint Rock has a history of heat and droughts.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Drought, Excessive Heat
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$30,000 per incident
<b>Potential Funding Sources:</b>	Grants, general revenues
<b>Lead Agency/Department Responsible:</b>	Town of Paint Rock, TCEQ
<b>Target Completion Date:</b>	June 2006

<b>2011 Analysis:</b>
Rollover.

Previous Actions

**Town of Paint Rock (Past Action) – 7**

<b>Proposed Action:</b>	Survey and remove hazardous trees from drainage systems.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Town of Paint Rock
<b>History of Damages:</b>	The Town of Paint Rock has a history of both tornadoes and high winds.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Tornado, Thunderstorm
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$20,000
<b>Potential Funding Sources:</b>	Grants
<b>Lead Agency/Department Responsible:</b>	City Council
<b>Target Completion Date:</b>	June 2007

<b>2011 Analysis:</b>
Rollover.

**Town of Paint Rock (Past Action) – 8**

<b>Proposed Action:</b>	Prepare and advertise the local evacuation plans, such as escape routes in coordination with the Department of Transportation.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Town of Paint Rock
<b>History of Damages:</b>	The Town of Paint Rock has a history of high winds and tornadoes.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Tornado, Thunderstorm
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$500
<b>Potential Funding Sources:</b>	Grants, general revenues
<b>Lead Agency/Department Responsible:</b>	City Council
<b>Target Completion Date:</b>	June 2007

<b>2011 Analysis:</b>
Completed.

**Town of Paint Rock (Past Action) – 9**

<b>Proposed Action:</b>	Provide the public with water conservation education and incentives for low-flowing plumbing and toilets, efficient washers, and rain harvesting.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Town of Paint Rock
<b>History of Damages:</b>	The Town of Paint Rock has had times when water was limited.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Drought, Excessive Heat
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$500
<b>Potential Funding Sources:</b>	Grants
<b>Lead Agency/Department Responsible:</b>	Town of Paint Rock, TCEQ
<b>Target Completion Date:</b>	June 2006

<b>2011 Analysis:</b>
Completed.

## Crockett County

<b>Crockett County (Past Action) – 1</b>	
<b>Proposed Action:</b>	Post warning signs during season. Coordinate with emergency responders and surrounding jurisdictions. Make the public aware during high risk situations. Maintain adequate firefighting equipment and training.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Crockett County
<b>History of Damages:</b>	Due to frequent droughts, wildfires are a constant danger to life and property. Oil and gas wells and facilities pose a high risk of explosion and extreme heat damage. Lightning strikes and man-made actions are the usual cause for wildfires.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Wildfire
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$10,000
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	Crockett County
<b>Target Completion Date:</b>	2006

<b>2011 Analysis:</b>
This action has been completed. Posted burn ban signs in the County.

**Crockett County (Past Action) – 2**

<b>Proposed Action:</b>	Educate and inform producers about disaster loan programs available through various government and private sources. Educate public about xeriscaping.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Crockett County
<b>History of Damages:</b>	Between 1994 and 2003, periods of low rainfall resulted in losses in hunting, livestock production, and revenue. Residential landscape also suffers stress and some loss. Public parks and landscape also deteriorate.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Drought, Excessive Heat
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$1,000 - \$5,000
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	Crockett County
<b>Target Completion Date:</b>	2006

<b>2011 Analysis:</b>
Ongoing project, yearly project.

**Crockett County (Past Action) – 3**

<b>Proposed Action:</b>	Provide training for emergency responders. Coordinate with state and surrounding jurisdictions. Maintain Emergency Management plan. Provide public education and awareness. Encourage private companies and individuals to comply with required safety regulations. Identify sites.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Crockett County
<b>History of Damages:</b>	Crockett Country has four large facilities and numerous small installations.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Hazardous Material Incident, Pipeline Failure
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$4,000
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	Crockett County
<b>Target Completion Date:</b>	2006

<b>2011 Analysis:</b>
Completed action but are ongoing projects, rollover into new plan.

**Crockett County (Past Action) – 4**

<b>Proposed Action:</b>	Provide training for emergency responders. Coordinate with state and surrounding jurisdictions. Maintain Emergency Management plan. Provide for the public education and awareness; Encourage private companies and individuals to comply with all required safety regulations.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Crockett County
<b>History of Damages:</b>	There are 6,000 oil and gas wells and several thousand miles of pipelines. Some are high-pressure; some are over 60 years old.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Fuel Pipeline Failure, Hazardous Material Incident
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$2,000
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	Crockett County
<b>Target Completion Date:</b>	2006

<b>2011 Analysis:</b>
Completed but ongoing project, rollover into new plan.



Previous Actions

**Crockett County (Past Action) – 5**

<b>Proposed Action:</b>	Provide training for emergency responders. Coordinate with state and surrounding jurisdictions. Maintain Emergency Management plan. Provide public education and awareness. Encourage private companies and individuals to comply with all required safety regulations.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Crockett County
<b>History of Damages:</b>	Due to presence of oil and gas wells (6,000+), pipelines (several thousand miles) and 55 miles of Interstate Highway 10, there is a constant danger of spills.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Hazardous Material Incident
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$2,000
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	Crockett County
<b>Target Completion Date:</b>	2006

<b>2011 Analysis:</b>
Ongoing.

**Crockett County (Past Action) – 6**

<b>Proposed Action:</b>	Educate the public about possible dangers. Provide training for emergency responders. Develop and maintain Emergency Management plan.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Crockett County
<b>History of Damages:</b>	Over 4,400 natural gas wells and 2,100 oil wells are connected to pipelines, tanks and processing facilities.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Fuel Pipeline Failure
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$1,000
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	Crockett County
<b>Target Completion Date:</b>	2006

<b>2011 Analysis:</b>
Completed, placed articles in the newspaper to educate the public.

**Crockett County (Past Action) – 7**

<b>Proposed Action:</b>	Enhance early warning system. Assist water district with rainfall observer. Educate community on dangers of low water crossings.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Crockett County
<b>History of Damages:</b>	Periodic flash flooding occurs from sudden violent thunderstorms.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Flood
<b>Priority (High, Moderate, Low):</b>	Low
<b>Estimated Cost:</b>	\$1,000
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	Crockett County
<b>Target Completion Date:</b>	2006

<b>2011 Analysis:</b>
Enhanced new warning system, rollover.

**Crockett County (Past Action) – 8**

<b>Proposed Action:</b>	Purchase NOAA “All Hazards” radios for critical facilities. Inform public of roof and structure improvements.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Crockett County
<b>History of Damages:</b>	Occasional losses due to intense thunderstorms.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Thunderstorm, Tornado
<b>Priority (High, Moderate, Low):</b>	Low
<b>Estimated Cost:</b>	\$1,000
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	Crockett County
<b>Target Completion Date:</b>	2006

<b>2011 Analysis:</b>
Rollover action.

**Crockett County (Past Action) – 9**

<b>Proposed Action:</b>	Inform public about early warning and shelter. Maintain warning system.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Crockett County
<b>History of Damages:</b>	Small tornadoes associated with thunderstorms have occasionally been sighted.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Tornado
<b>Priority (High, Moderate, Low):</b>	Low
<b>Estimated Cost:</b>	\$1,000
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	Crockett County
<b>Target Completion Date:</b>	2006

<b>2011 Analysis:</b>
Warning system has been improved; however, need to develop a program to inform the public about the early warning system and shelters.

Previous Actions

<b>Crockett County (Past Action) – 10</b>	
<b>Proposed Action:</b>	Provide information through news releases.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Crockett County
<b>History of Damages:</b>	Increased possibility due to world unrest.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Terrorism
<b>Priority (High, Moderate, Low):</b>	Low
<b>Estimated Cost:</b>	\$500
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	Crockett County
<b>Target Completion Date:</b>	2006

<b>2011 Analysis:</b>
Completed, post articles in newspapers.

## Irion County

<b>Irion County (Past Action) – 1</b>	
<b>Proposed Action:</b>	Educate the public on extreme heat/drought safety and health issues.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Irion County
<b>History of Damages:</b>	There is a history of droughts/heat waves that were costly and caused significant crop damage. In 2004, Irion County was determined to be eligible for crop and small business loans from the federal government.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Drought, Excessive Heat
<b>Priority (High, Moderate, Low):</b>	Very High
<b>Estimated Cost:</b>	\$5,000
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	Irion County
<b>Target Completion Date:</b>	December 2005

<b>2011 Analysis:</b>
Rollover.

**Irion County (Past Action) – 2**

<b>Proposed Action:</b>	Coordinate wildfire hazard plan with other agencies/jurisdictions; ensure area firefighters are properly trained in wildfire fighting; educate residents of wildfire hazard areas about fire protection necessities; and purchase better firefighting equipment.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Irion County
<b>History of Damages:</b>	No major wildfire has occurred, but the long droughts have made conditions prime for a wildfire.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Wildfire
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$100,000
<b>Potential Funding Sources:</b>	General revenues, grants
<b>Lead Agency/Department Responsible:</b>	Irion County
<b>Target Completion Date:</b>	December 2005

<b>2011 Analysis:</b>
Ongoing project. Upgrading equipment and improved all trucks with GPS for more accurate reporting.



**Irion County (Past Action) – 3**

<b>Proposed Action:</b>	Implement a flood early warning system and response plan; prohibit fill in floodplain areas; prohibit granting of variances for development in the SFHA; provide and/or implement model floodplain management information requirement and inspection standards; tie-down of propane tanks; educate public on the dangers of low water crossings.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Irion County
<b>History of Damages:</b>	There is a history of floods/flash floods that were costly and caused significant property damage.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Flood
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$20,000
<b>Potential Funding Sources:</b>	General revenues, grants
<b>Lead Agency/Department Responsible:</b>	Irion County
<b>Target Completion Date:</b>	December 2005

<b>2011 Analysis:</b>
Action has been completed. Use Blackboard System to inform public by calling, texting, and sirens.

**Irion County (Past Action) – 4**

<b>Proposed Action:</b>	Implement warning plan to notify community.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Irion County
<b>History of Damages:</b>	Irion County has a history of hailstorms.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Hail
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$2,000
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	Irion County
<b>Target Completion Date:</b>	December 2005

<b>2011 Analysis:</b>
Action has been completed, use Blackboard System.

**Irion County (Past Action) – 5**

<b>Proposed Action:</b>	Assess needs for the County’s emergency response services; improve emergency management radio coverage and reception; implement area-wide telephone emergency notification system; install quick-connect emergency generator hook-ups for critical facilities; and establish a debris management plan for post-disaster.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Irion County
<b>History of Damages:</b>	Emergency in poor conditions; lack of continued education.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Multiple Hazards
<b>Priority (High, Moderate, Low):</b>	Moderate
<b>Estimated Cost:</b>	\$100,000
<b>Potential Funding Sources:</b>	General revenues, grants
<b>Lead Agency/Department Responsible:</b>	Irion County
<b>Target Completion Date:</b>	December 2005

<b>2011 Analysis:</b>
Completed actions. Purchased generators for community centers and main building that are the shelters during emergencies. All radio equipment is now converted to narrowband. New radio tower.

**Irion County (Past Action) – 6**

<b>Proposed Action:</b>	Implement an early warning system and educate public on hazards.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Irion County
<b>History of Damages:</b>	Irion County has a history of severe winter storms, including ice and heavy snow.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Winter Storm
<b>Priority (High, Moderate, Low):</b>	Moderate
<b>Estimated Cost:</b>	\$1,000
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	Irion County
<b>Target Completion Date:</b>	December 2005

<b>2011 Analysis:</b>
Completed.

**Irion County (Past Action) – 7**

<b>Proposed Action:</b>	Advertise and promote the availability of crop damage and low interest government loans; improve warning system.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Irion County
<b>History of Damages:</b>	Irion County has a history of severe thunderstorms and high wind.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Thunderstorm
<b>Priority (High, Moderate, Low):</b>	Moderate
<b>Estimated Cost:</b>	\$1,000
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	Irion County
<b>Target Completion Date:</b>	December 2005

<b>2011 Analysis:</b>
Not very agricultural, however may begin, rollover.

**Irion County (Past Action) – 8**

<b>Proposed Action:</b>	Require manufactured housing to be securely anchored; advertise the local emergency evacuation plan.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Irion County
<b>History of Damages:</b>	Irion County has a history of tornadoes.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Tornado
<b>Priority (High, Moderate, Low):</b>	Moderate
<b>Estimated Cost:</b>	\$1,000
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	Irion County
<b>Target Completion Date:</b>	December 2005

<b>2011 Analysis:</b>
Rollover into new plan.

**Irion County (Past Action) – 9**

<b>Proposed Action:</b>	Develop local hazmat team; develop Mutual Aid Agreement between local emergency responders for other jurisdictions; educate the public about hazardous materials traveling through the County; educate the public about hazmat.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Irion County
<b>History of Damages:</b>	In 2003, there was a well that had a blowout that caused US Highway 67 to be shut down for 72 hours.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Hazardous Material Incident, Energy Pipeline Failure
<b>Priority (High, Moderate, Low):</b>	Low
<b>Estimated Cost:</b>	\$20,000
<b>Potential Funding Sources:</b>	General revenues, grants
<b>Lead Agency/Department Responsible:</b>	Irion County
<b>Target Completion Date:</b>	December 2005

<b>2011 Analysis:</b>
They don't have HazMat training, but they joined Tom Green County for mutual aid agreements.

Previous Actions

**Irion County (Past Action) – 10**

<b>Proposed Action:</b>	Make available specialized training for public safety personnel and other local government employees.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Irion County
<b>History of Damages:</b>	For public protection in Irion County.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Terrorism
<b>Priority (High, Moderate, Low):</b>	Low
<b>Estimated Cost:</b>	\$10,000
<b>Potential Funding Sources:</b>	General revenues, grants
<b>Lead Agency/Department Responsible:</b>	Irion County
<b>Target Completion Date:</b>	December 2005

<b>2011 Analysis:</b>
Ongoing project.



**City of Mertzson**

<b>City of Mertzson (Past Action) – 1</b>	
<b>Proposed Action:</b>	Conservation; public awareness; and new water sources.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Mertzson
<b>History of Damages:</b>	The City has experienced drought conditions several times. A Drought Contingency Plan has been initiated. The plan is working well. Conservation and new water sources are a constant part of dealing with drought conditions.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Drought
<b>Priority (High, Moderate, Low):</b>	Very High
<b>Estimated Cost:</b>	Annual loss of water revenue - \$9,000 Cost of new water supply - \$255,000
<b>Potential Funding Sources:</b>	Grants, water revenues
<b>Lead Agency/Department Responsible:</b>	City of Mertzson
<b>Target Completion Date:</b>	To be determined

<b>2011 Analysis:</b>
Rollover.

**City of Mertzon (Past Action) – 2**

<b>Proposed Action:</b>	Assist in clean-up of public property; notify Red Cross.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Mertzon
<b>History of Damages:</b>	Hail has damaged city property and worked with other entities to provide relief for citizens.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Hail
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$1,800 (equipment, fuel, labor)
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	City of Mertzon
<b>Target Completion Date:</b>	Ongoing

<b>2011 Analysis:</b>
Ongoing.

Previous Actions

**City of Mertzon (Past Action) – 3**

<b>Proposed Action:</b>	Support local volunteer fire department.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Mertzon
<b>History of Damages:</b>	Range fires could impact the City because of the rural nature of the City.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Wildfire
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	10% of Irion County allocation
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	City of Mertzon
<b>Target Completion Date:</b>	Ongoing

<b>2011 Analysis:</b>
Ongoing.

Previous Actions

<b>City of Mertzon (Past Action) – 4</b>	
<b>Proposed Action:</b>	Public awareness; relief for victims by notifying Red Cross.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Mertzon
<b>History of Damages:</b>	The City has experienced flooding in low lying areas several times in the City’s history. People in these areas have been told of historical events and water levels.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Flood
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	Minimal
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	City of Mertzon
<b>Target Completion Date:</b>	Ongoing

<b>2011 Analysis:</b>
Ongoing.

Previous Actions

<b>City of Mertzon (Past Action) – 5</b>	
<b>Proposed Action:</b>	Notify Red Cross; clear roads of debris.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Mertzon
<b>History of Damages:</b>	The City has cleared debris from roads.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Thunderstorm
<b>Priority (High, Moderate, Low):</b>	Moderate
<b>Estimated Cost:</b>	\$800 (equipment, fuel, labor for 2 days)
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	City of Mertzon
<b>Target Completion Date:</b>	Continuous

<b>2011 Analysis:</b>
Ongoing.

**City of Mertzon (Past Action) – 6**

<b>Proposed Action:</b>	Inform citizens to be aware of their surroundings.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Mertzon
<b>History of Damages:</b>	Reduce risk of a terrorist event.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Terrorism
<b>Priority (High, Moderate, Low):</b>	Low
<b>Estimated Cost:</b>	\$0
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	City of Mertzon
<b>Target Completion Date:</b>	Ongoing

<b>2011 Analysis:</b>
The City has a monthly newsletter that is emailed through the Blackboard System- especially during disasters.

## Kimble County

<b>Kimble County (Past Action) – 1</b>	
<b>Proposed Action:</b>	Implement a flood early warning system and response plan (Reverse 911).
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Kimble County
<b>History of Damages:</b>	Kimble County is located in the Texas Hill Country. The County has more linear miles of running water than any other county in Texas. History of flooding is repeated on an annual basis somewhere in the County.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Flood, Tornado, Other Disasters
<b>Priority (High, Moderate, Low):</b>	Very High
<b>Estimated Cost:</b>	\$250,000
<b>Potential Funding Sources:</b>	Grants
<b>Lead Agency/Department Responsible:</b>	Kimble County Commissioner’s Court
<b>Target Completion Date:</b>	January 1, 2009

<b>2011 Analysis:</b>
Ongoing action.

**Kimble County (Past Action) – 2**

<b>Proposed Action:</b>	Track and record high water marks after a flood.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Kimble County
<b>History of Damages:</b>	Flooding has happened and will happen in the future. Flooding data is vital to take precautionary measures.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Flood
<b>Priority (High, Moderate, Low):</b>	Very high
<b>Estimated Cost:</b>	\$1,000
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	Kimble County Commissioner’s Court
<b>Target Completion Date:</b>	January 1, 2005

<b>2011 Analysis:</b>
Ongoing action.



**Kimble County (Past Action) – 3**

<b>Proposed Action:</b>	Implement and expand rainfall observer program utilizing volunteers.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Kimble County
<b>History of Damages:</b>	Historically, residents of Kimble County have observed and reported rainfall and flooding.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Flood
<b>Priority (High, Moderate, Low):</b>	Very High
<b>Estimated Cost:</b>	\$500
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	Kimble County Commissioner’s Court
<b>Target Completion Date:</b>	January 1, 2005

<b>2011 Analysis:</b>
Ongoing.

Previous Actions

**Kimble County (Past Action) – 4**

<b>Proposed Action:</b>	Implement warning system on IH-10.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Kimble County
<b>History of Damages:</b>	Ice storms occur routinely during winter months; floods occur throughout the year. A need to inform the motoring public is a constant.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Multiple Hazards
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$1,000,000
<b>Potential Funding Sources:</b>	Grants
<b>Lead Agency/Department Responsible:</b>	Kimble County Commissioner’s Court
<b>Target Completion Date:</b>	January 1, 2006

<b>2011 Analysis:</b>
Ongoing.

**Kimble County (Past Action) – 5**

<b>Proposed Action:</b>	Distribute flood insurance handouts with all permit applications.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Kimble County
<b>History of Damages:</b>	Kimble County has a high potential for flooding.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Flood
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$500
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	Kimble County Commissioner’s Court
<b>Target Completion Date:</b>	January 1, 2005

<b>2011 Analysis:</b>
Rollover.

**City of Junction**

<b>City of Junction (Past Action) – 1</b>	
<b>Proposed Action:</b>	Implement a flood early warning system and response plan (Reverse 911).
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Junction
<b>History of Damages:</b>	The City of Junction is located at the confluence of the North Llano and South Llano Rivers. Flooding is an ongoing problem.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Flood
<b>Priority (High, Moderate, Low):</b>	Very High
<b>Estimated Cost:</b>	\$250,000
<b>Potential Funding Sources:</b>	Grants
<b>Lead Agency/Department Responsible:</b>	City of Junction, City Council
<b>Target Completion Date:</b>	January 1, 2009

<b>2011 Analysis:</b>
Completed.

**City of Junction (Past Action) – 2**

<b>Proposed Action:</b>	Track and record high water marks following a flood.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Junction
<b>History of Damages:</b>	Flooding is an ongoing problem.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Flood
<b>Priority (High, Moderate, Low):</b>	Very High
<b>Estimated Cost:</b>	\$1,000
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	City of Junction, City Council
<b>Target Completion Date:</b>	January 1, 2005

<b>2011 Analysis:</b>
Completed.

**City of Junction (Past Action) – 3**

<b>Proposed Action:</b>	Implement or expand rainfall observer program utilizing volunteers.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Junction
<b>History of Damages:</b>	County residents observe rainfall amounts and rises in flood waters and report them to the City/County.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Flood
<b>Priority (High, Moderate, Low):</b>	Very High
<b>Estimated Cost:</b>	\$200
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	City of Junction, City Council
<b>Target Completion Date:</b>	January 1, 2005

<b>2011 Analysis:</b>
Completed.

Previous Actions

**City of Junction (Past Action) – 4**

<b>Proposed Action:</b>	Dredge lake.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Junction
<b>History of Damages:</b>	Gravel bar may block intake of the City water supply due to flood. Over the years flooding has caused gravel to flow towards intake.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Flood
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$3 – 5 million
<b>Potential Funding Sources:</b>	Grants
<b>Lead Agency/Department Responsible:</b>	City Council
<b>Target Completion Date:</b>	January 1, 2006

<b>2011 Analysis:</b>
Not completed, rollover.

**City of Junction (Past Action) – 5**

<b>Proposed Action:</b>	Organize a command center.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Junction
<b>History of Damages:</b>	Need a command center equipped with multiple phones, radios, white boards, computer connections, maps, desks, generator power, copier, computer with PowerPoint to be able to conduct emergency operations in the event of a major disaster.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	All Hazards
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$10,000
<b>Potential Funding Sources:</b>	Grants
<b>Lead Agency/Department Responsible:</b>	City Council
<b>Target Completion Date:</b>	January 1, 2006

<b>2011 Analysis:</b>
Completed. The County has a command center that they use.



**City of Junction (Past Action) – 6**

<b>Proposed Action:</b>	Educate the public on use of the emergency sirens.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Junction
<b>History of Damages:</b>	We have sirens located strategically within the community, but most residents are not aware of the meaning of the different signals the sirens make.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Tornado, Thunderstorm, Wildfire
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$1,000
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	City of Junction, City Council
<b>Target Completion Date:</b>	January 1, 2005

<b>2011 Analysis:</b>
Ongoing.

**City of Junction (Past Action) – 7**

<b>Proposed Action:</b>	Educate residents about xeriscaping.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Junction
<b>History of Damages:</b>	Landscaping that requires less water will ease our burden on our water treatment plant and conserve our supply.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Drought, Excessive Heat
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$1,000
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	City of Junction, City Council
<b>Target Completion Date:</b>	January 1, 2005

<b>2011 Analysis:</b>
Ongoing.

**City of Junction (Past Action) – 8**

<b>Proposed Action:</b>	Distribute flood insurance handouts with all permit applications.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Junction
<b>History of Damages:</b>	Flooding is an ongoing problem. Often people are unaware of the actions and procedures they need to consider.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Flood
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$500
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	City of Junction, City Council
<b>Target Completion Date:</b>	January 1, 2005

<b>2011 Analysis:</b>
Completed.

**City of Junction (Past Action) – 9**

<b>Proposed Action:</b>	Backup generator for water plant.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Junction
<b>History of Damages:</b>	In the past, had a tree fall across an electric line that supplies electricity to river pumps. The only way we knew about this is after we ran out of water. By the time we got enough water back in the tanks to pump, we had been down for approximately 12 hours. With a standby generator, probably would have had water back in 3 hours.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Drought
<b>Priority (High, Moderate, Low):</b>	Moderate
<b>Estimated Cost:</b>	\$7,500
<b>Potential Funding Sources:</b>	Grants
<b>Lead Agency/Department Responsible:</b>	City Council
<b>Target Completion Date:</b>	January 1, 2005

<b>2011 Analysis:</b>
Ongoing.

## McCulloch County

<b>McCulloch County (Past Action) – 1</b>	
<b>Proposed Action:</b>	Establish and implement burning standards in McCulloch County that includes instruction in proper technique, notification and planning.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	McCulloch County
<b>History of Damages:</b>	Improper use of the agricultural controlled burn often results in wildfire.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Wildfire
<b>Priority (High, Moderate, Low):</b>	Very High
<b>Estimated Cost:</b>	Unknown
<b>Potential Funding Sources:</b>	Private funds
<b>Lead Agency/Department Responsible:</b>	McCulloch County Burn Association
<b>Target Completion Date:</b>	December 2004

<b>2011 Analysis:</b>
Completed.

Previous Actions

**McCulloch County (Past Action) – 2**

<b>Proposed Action:</b>	Develop a program to distribute NOAA “All Hazards” radios for early warning of rural residents.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	McCulloch County
<b>History of Damages:</b>	Currently, there is no formal warning system for many residents of the rural areas of the County.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Thunderstorm, Hail, Tornado, Flood
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$7,500
<b>Potential Funding Sources:</b>	Grants
<b>Lead Agency/Department Responsible:</b>	McCulloch County Emergency Management Team
<b>Target Completion Date:</b>	2006

<b>2011 Analysis:</b>
Not completed, rollover.

Previous Actions

**McCulloch County (Past Action) – 3**

<b>Proposed Action:</b>	Document and map road locations that are likely to result in flooded road crossings in flash flood events.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	McCulloch County
<b>History of Damages:</b>	In rural areas, flash floods cause hazards because of the lack of marked and measured road crossings. Crews mark or block those crossings after they are reported.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Flood
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$5,000
<b>Potential Funding Sources:</b>	Grants
<b>Lead Agency/Department Responsible:</b>	McCulloch County Emergency Response Team
<b>Target Completion Date:</b>	2006

<b>2011 Analysis:</b>
Currently in development, rollover.

Previous Actions

**McCulloch County (Past Action) – 4**

<b>Proposed Action:</b>	Develop drought contingency plans outlining actions to take at varying levels of drought. These plans will include public education, appropriate crisis response, wildlife and disease management, recovery plans for economic losses and emergency water resource development.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	McCulloch County
<b>History of Damages:</b>	Drought is a fairly common occurrence in McCulloch County. While the primary public water source relies on a stable aquifer; one of the primary industries, agriculture, relies heavily on water availability for stock, farm uses, crops, and fire protection.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Drought, Excessive Heat
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$2,500
<b>Potential Funding Sources:</b>	To be determined
<b>Lead Agency/Department Responsible:</b>	McCulloch County Agricultural Extension Service
<b>Target Completion Date:</b>	2005

<b>2011 Analysis:</b>
Completed. The County reviews it periodically.



**McCulloch County (Past Action) – 5**

<b>Proposed Action:</b>	Create a hazmat education team that provides educational opportunities for responders and educational materials and resources for the public.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	McCulloch County
<b>History of Damages:</b>	McCulloch County incurs an inordinate amount of hazardous material traffic for its population and proper reporting and response procedures are critical to effective response with limited resources.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Hazardous Material Incident
<b>Priority (High, Moderate, Low):</b>	Moderate
<b>Estimated Cost:</b>	To be determined
<b>Potential Funding Sources:</b>	Grants
<b>Lead Agency/Department Responsible:</b>	McCulloch County Emergency Management Team
<b>Target Completion Date:</b>	December 2005

<b>2011 Analysis:</b>
Partially completed, currently have a hazmat team with the local fire department.

**McCulloch County (Past Action) – 6**

<b>Proposed Action:</b>	Provide public education for preparing for extended power outages and create a “hot sheet” of rural citizens that have critical health or other issues that will be adversely affected by an extended power outage for use by emergency dispatch services.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	McCulloch County
<b>History of Damages:</b>	In rural areas of the County, extended power outages are fairly rare, but those who rely on electricity for critical health care equipment could be put in peril before crews could be notified and dispatched.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Multiple Hazards
<b>Priority (High, Moderate, Low):</b>	Moderate
<b>Estimated Cost:</b>	Minimal
<b>Potential Funding Sources:</b>	Grants
<b>Lead Agency/Department Responsible:</b>	McCulloch County Emergency Response Team
<b>Target Completion Date:</b>	2006

<b>2011 Analysis:</b>
This action is in the development stages, rollover.

## Town of Melvin

<b>Town of Melvin (Past Action) – 1</b>	
<b>Proposed Action:</b>	Acquire a centrally located, properly designed and hazard-resistant public shelter.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Town of Melvin
<b>History of Damages:</b>	The Town of Melvin, being located in west central Texas, is susceptible to high winds and tornadoes. Additionally, a large portion of the community is elderly, with limited incomes; many cannot afford any form of adequate shelter against these harsh storms.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Tornado, Thunderstorm
<b>Priority (High, Moderate, Low):</b>	Very High
<b>Estimated Cost:</b>	\$750,000
<b>Potential Funding Sources:</b>	Grants
<b>Lead Agency/Department Responsible:</b>	Town of Melvin, City Council
<b>Target Completion Date:</b>	2010

<b>2011 Analysis:</b>
Ongoing, rollover.

**Town of Melvin (Past Action) – 2**

<b>Proposed Action:</b>	Build a water filtration system.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Town of Melvin
<b>History of Damages:</b>	The Town of Melvin, being located in West Central Texas, experiences many days and months of extreme heat and drought. The city’s current water source is slightly high in dangerous particles such as radon. This problem reaches extreme conditions during times of drought.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Drought, Excessive Heat
<b>Priority (High, Moderate, Low):</b>	Very High
<b>Estimated Cost:</b>	\$125,000
<b>Potential Funding Sources:</b>	Grants
<b>Lead Agency/Department Responsible:</b>	Town of Melvin, City Council
<b>Target Completion Date:</b>	2010

<b>2011 Analysis:</b>
Completed a year ago. Built a reverse osmosis plant.

**Town of Melvin (Past Action) – 3**

<b>Proposed Action:</b>	Educate the public on extreme heat/drought safety and health issues.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Town of Melvin
<b>History of Damages:</b>	The Town of Melvin, being located in West Central Texas, experiences many days and months of extreme heat. Additionally, a large portion of the community is elderly, and more susceptible to the dangers of these extreme temperatures.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Drought, Excessive Heat
<b>Priority (High, Moderate, Low):</b>	Very High
<b>Estimated Cost:</b>	\$200
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	Town of Melvin, City Council
<b>Target Completion Date:</b>	2005

<b>2011 Analysis:</b>
Completed.

## Menard County

<b>Menard County (Past Action) – 1</b>	
<b>Proposed Action:</b>	Implement early warning system.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Menard County
<b>History of Damages:</b>	Menard County has a history of winter storms.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Winter Storm
<b>Priority (High, Moderate, Low):</b>	Very High
<b>Estimated Cost:</b>	\$30,000
<b>Potential Funding Sources:</b>	Grants, general revenues
<b>Lead Agency/Department Responsible:</b>	Menard County, Emergency Management, CVCOG
<b>Target Completion Date:</b>	January 1, 2007

<b>2011 Analysis:</b>
This is partially completed, with funding resources being researched to expand.

**Menard County (Past Action) – 2**

<b>Proposed Action:</b>	Implement early warning system.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Menard County
<b>History of Damages:</b>	Menard County experienced a severe wildfire in 1999.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Wildfire
<b>Priority (High, Moderate, Low):</b>	Very High
<b>Estimated Cost:</b>	\$30,000
<b>Potential Funding Sources:</b>	Grants, general revenues
<b>Lead Agency/Department Responsible:</b>	Menard County, Emergency Management, CVCOG
<b>Target Completion Date:</b>	January 1, 2007

<b>2011 Analysis:</b>
See Above, this is partially completed, with funding resources being researched to expand.

**Menard County (Past Action) – 3**

<b>Proposed Action:</b>	Implement early warning system and response plan for thunderstorms, wind, hail and tornadoes.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Menard County
<b>History of Damages:</b>	Menard County has a history of severe thunderstorms and high winds.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Thunderstorm, Wind, Hail, Tornado
<b>Priority (High, Moderate, Low):</b>	Very High
<b>Estimated Cost:</b>	\$30,000
<b>Potential Funding Sources:</b>	Grants, general revenues
<b>Lead Agency/Department Responsible:</b>	Menard County, Emergency Management, CVCOG
<b>Target Completion Date:</b>	January 1, 2007

<b>2011 Analysis:</b>
This should be deferred and included in the Plan Update. Due to funding it has not been completed.



**Menard County (Past Action) – 4**

<b>Proposed Action:</b>	Implement a flood early warning system and response plan.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Menard County
<b>History of Damages:</b>	Menard County has a history of flash floods.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Flood
<b>Priority (High, Moderate, Low):</b>	Very High
<b>Estimated Cost:</b>	\$30,000
<b>Potential Funding Sources:</b>	Grants, general revenues
<b>Lead Agency/Department Responsible:</b>	Menard County, Emergency Management, CVCOG
<b>Target Completion Date:</b>	January 1, 2007

<b>2011 Analysis:</b>
This should be deferred and included in the Plan Update. Due to funding it has not been completed.

**Menard County (Past Action) – 5**

<b>Proposed Action:</b>	Implement maintenance program for clearing debris from drains and culverts.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Menard County
<b>History of Damages:</b>	Menard County has a history of flash floods.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Flood
<b>Priority (High, Moderate, Low):</b>	Very High
<b>Estimated Cost:</b>	\$5,000 per year
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	Menard County
<b>Target Completion Date:</b>	August 1, 2004

<b>2011 Analysis:</b>
Completed and is ongoing in current plans and policies, could be expanded.

**Menard County (Past Action) – 6**

<b>Proposed Action:</b>	Implement maintenance program for clearing debris from bridges.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Menard County
<b>History of Damages:</b>	Menard County has a history of flash floods.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Flood
<b>Priority (High, Moderate, Low):</b>	Very High
<b>Estimated Cost:</b>	\$5,000 per year
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	Menard County
<b>Target Completion Date:</b>	August 1, 2004

<b>2011 Analysis:</b>
Is completed and ongoing through current plans and policies, could be expanded.

**Menard County (Past Action) – 7**

<b>Proposed Action:</b>	Utilize NOAA “All Hazards” radios for early warning and post-event information.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Menard County
<b>History of Damages:</b>	Menard County has a history of hailstorms.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Hail
<b>Priority (High, Moderate, Low):</b>	Very High
<b>Estimated Cost:</b>	\$5,000
<b>Potential Funding Sources:</b>	Grants
<b>Lead Agency/Department Responsible:</b>	Menard County
<b>Target Completion Date:</b>	January 1, 2007

<b>2011 Analysis:</b>
Defer to Plan Update, due to funding has not been started. Research has been conducted for placement. This needs to first include the NOAA “All Hazards” radio repeater and installing, which should cost \$25,000.

Previous Actions

**Menard County (Past Action) – 8**

<b>Proposed Action:</b>	Research alternative sources of feed, water and shelter for livestock.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Menard County
<b>History of Damages:</b>	Menard County has a history of winter storms.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Winter Storm
<b>Priority (High, Moderate, Low):</b>	Very High
<b>Estimated Cost:</b>	\$1,500
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	Menard County, Extension Service
<b>Target Completion Date:</b>	January 10, 2004

<b>2011 Analysis:</b>
Ongoing.

**Menard County (Past Action) – 9**

<b>Proposed Action:</b>	Implement burn bans and fireworks bans as indicated by forestry service.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Menard County
<b>History of Damages:</b>	Menard County experienced a severe wildfire in 1999.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Wildfire
<b>Priority (High, Moderate, Low):</b>	Very High
<b>Estimated Cost:</b>	\$1,000
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	Menard County
<b>Target Completion Date:</b>	As needed (ongoing)

<b>2011 Analysis:</b>
Completed and ongoing through current plans and policies.

**Menard County (Past Action) – 10**

<b>Proposed Action:</b>	Train volunteer weather watchers.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Menard County
<b>History of Damages:</b>	This would prevent loss of human life or human injury and livestock loss.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Tornado
<b>Priority (High, Moderate, Low):</b>	Very High
<b>Estimated Cost:</b>	\$1,000
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	Menard County, Emergency Management, City of Menard, VFD
<b>Target Completion Date:</b>	To be determined

<b>2011 Analysis:</b>
Has been completed and is ongoing every year through current plans, can be removed.

Previous Actions

<b>Menard County (Past Action) – 11</b>	
<b>Proposed Action:</b>	Designate public tornado shelters.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Menard County
<b>History of Damages:</b>	This would prevent loss of human life or injury.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Tornado
<b>Priority (High, Moderate, Low):</b>	Very High
<b>Estimated Cost:</b>	\$1,000
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	Menard County, Emergency Management
<b>Target Completion Date:</b>	January 1, 2006

<b>2011 Analysis:</b>
Rollover.



Previous Actions

<b>Menard County (Past Action) – 12</b>	
<b>Proposed Action:</b>	Encourage land owners to construct fire lanes around property.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Menard County
<b>History of Damages:</b>	Menard County experienced a severe wildfire in 1999.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Wildfire
<b>Priority (High, Moderate, Low):</b>	Very High
<b>Estimated Cost:</b>	\$1,000
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	Menard County, Extension Services
<b>Target Completion Date:</b>	As needed (ongoing)

<b>2011 Analysis:</b>
Ongoing.

**Menard County (Past Action) – 13**

<b>Proposed Action:</b>	Promote the availability of crop insurance.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Menard County
<b>History of Damages:</b>	Menard County has a history of hailstorms which have caused damage to property.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Hail
<b>Priority (High, Moderate, Low):</b>	Very High
<b>Estimated Cost:</b>	\$1,000
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	Menard County, Extension Services
<b>Target Completion Date:</b>	January 8, 2004

<b>2011 Analysis:</b>
Ongoing.

Previous Actions

<b>Menard County (Past Action) – 14</b>	
<b>Proposed Action:</b>	Provide water conservation education and incentives for low-flow plumbing and toilets, efficient washers, and rain harvesting.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Menard County
<b>History of Damages:</b>	Numerous drought events have occurred in recent years causing damage to property.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Drought, Excessive Heat
<b>Priority (High, Moderate, Low):</b>	Very High
<b>Estimated Cost:</b>	\$1,000
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	Menard County, Menard Water District
<b>Target Completion Date:</b>	June 1, 2005

<b>2011 Analysis:</b>
Ongoing.

Previous Actions

**Menard County (Past Action) – 15**

<b>Proposed Action:</b>	Provide water conservation education for farmers' improved irrigation and tillage practices.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Menard County
<b>History of Damages:</b>	Numerous drought events have occurred in recent years causing damage to property.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Drought, Excessive Heat
<b>Priority (High, Moderate, Low):</b>	Very High
<b>Estimated Cost:</b>	\$1,000
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	Menard County, Extension Service, Soil and Water Conservation Service
<b>Target Completion Date:</b>	June, 1, 2005

<b>2011 Analysis:</b>
Ongoing.

**Menard County (Past Action) – 16**

<b>Proposed Action:</b>	Promote water and energy conservation on a local government level.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Menard County
<b>History of Damages:</b>	Numerous drought events have occurred in recent years causing damage to property.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Drought, Excessive Heat
<b>Priority (High, Moderate, Low):</b>	Very High
<b>Estimated Cost:</b>	\$1,000
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	Menard County, Menard Water District, City of Menard
<b>Target Completion Date:</b>	June 1, 2005

<b>2011 Analysis:</b>
Ongoing.

**Menard County (Past Action) – 17**

<b>Proposed Action:</b>	Implement early warning system.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Menard County
<b>History of Damages:</b>	This would prevent human life loss or injury and livestock loss.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Hazardous Material Incident, Fuel Pipeline
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$30,000
<b>Potential Funding Sources:</b>	Grants, general revenues
<b>Lead Agency/Department Responsible:</b>	Menard County, Emergency Management, CVCOG
<b>Target Completion Date:</b>	January 1, 2007

<b>2011 Analysis:</b>
This is partially completed, with funding resources being researched to expand.

**Menard County (Past Action) – 18**

<b>Proposed Action:</b>	Maintain natural environmental features as wind buffers.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Menard County
<b>History of Damages:</b>	Menard County has a history of thunderstorms and high winds.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Thunderstorm, Tornado
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$10,000
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	Menard County
<b>Target Completion Date:</b>	As needed (ongoing)

<b>2011 Analysis:</b>
Ongoing.

Previous Actions

<b>Menard County (Past Action) – 19</b>	
<b>Proposed Action:</b>	Keep debris that can be wind-blown removed from county road right-of-ways.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Menard County
<b>History of Damages:</b>	Menard County has a history of thunderstorms and high winds.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Thunderstorm, Tornado
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$10,000
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	Menard County
<b>Target Completion Date:</b>	As needed (ongoing)

<b>2011 Analysis:</b>
Ongoing.



Previous Actions

<b>Menard County (Past Action) – 20</b>	
<b>Proposed Action:</b>	Implement a tree trimming program that routinely clears limbs hanging in right-of-ways.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Menard County
<b>History of Damages:</b>	Menard County has a history of winter storms.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Winter Storm
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$4,000 per year
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	Menard County
<b>Target Completion Date:</b>	As needed (ongoing)

<b>2011 Analysis:</b>
Ongoing.

Previous Actions

<b>Menard County (Past Action) – 21</b>	
<b>Proposed Action:</b>	Educate public about household hazardous materials and other hazardous materials.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Menard County
<b>History of Damages:</b>	This action would prevent human injury or loss of life or livestock loss.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Hazardous Material Incident, Fuel Pipeline Failure
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$1,500
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	Menard County, Extension Service
<b>Target Completion Date:</b>	As needed (ongoing)

<b>2011 Analysis:</b>
Has been completed and is ongoing based on policy.

**Menard County (Past Action) – 22**

<b>Proposed Action:</b>	Train personnel to handle emergencies.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Menard County
<b>History of Damages:</b>	This action would prevent human injury or loss of life or livestock loss.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Hazardous Material Incident, Fuel Pipeline Failure
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$1,000
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	Menard County, VFD
<b>Target Completion Date:</b>	As needed (ongoing)

<b>2011 Analysis:</b>
Ongoing.

**City of Menard**

<b>City of Menard (Past Action) – 1</b>	
<b>Proposed Action:</b>	Flood proof sewage treatment plants in flood hazard-low lying area.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Menard
<b>History of Damages:</b>	The City of Menard has a history of flooding.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Flood
<b>Priority (High, Moderate, Low):</b>	Very High
<b>Estimated Cost:</b>	\$2,000,000
<b>Potential Funding Sources:</b>	General revenues, grants or bonds
<b>Lead Agency/Department Responsible:</b>	City of Menard
<b>Target Completion Date:</b>	October 2009

<b>2011 Analysis:</b>
Partially completed with funding secured for second phase. Continue in Plan Update.

**City of Menard (Past Action) – 2**

<b>Proposed Action:</b>	Ensure capital improvement projects adhere to “no adverse impact” regulations.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Menard
<b>History of Damages:</b>	The City of Menard has a history of flooding.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Flood
<b>Priority (High, Moderate, Low):</b>	Very High
<b>Estimated Cost:</b>	\$2,000,000
<b>Potential Funding Sources:</b>	General revenues, grants or bonds
<b>Lead Agency/Department Responsible:</b>	City of Menard
<b>Target Completion Date:</b>	October 2009

<b>2011 Analysis:</b>
Ongoing.

**City of Menard (Past Action) – 3**

<b>Proposed Action:</b>	Implement early warning system and plan.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Menard
<b>History of Damages:</b>	This would prevent loss of human life or injury and livestock loss.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Tornado
<b>Priority (High, Moderate, Low):</b>	Very High
<b>Estimated Cost:</b>	\$30,000
<b>Potential Funding Sources:</b>	Grants, general revenues
<b>Lead Agency/Department Responsible:</b>	City of Menard, Menard County, Emergency Management, CVCOG
<b>Target Completion Date:</b>	January 1, 2007

<b>2011 Analysis:</b>
Partially completed through siren placement in city, trying to secure funding to expand and have added a Reverse 911 system. Keep in Plan Update.

Previous Actions

**City of Menard (Past Action) – 4**

<b>Proposed Action:</b>	Implement early warning system.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Menard
<b>History of Damages:</b>	The City of Menard experienced a severe wildfire in 1999.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Wildfire
<b>Priority (High, Moderate, Low):</b>	Very High
<b>Estimated Cost:</b>	\$30,000
<b>Potential Funding Sources:</b>	Grants, general revenues
<b>Lead Agency/Department Responsible:</b>	City of Menard, Menard County, Emergency Management, CVCOG
<b>Target Completion Date:</b>	January 1, 2007

<b>2011 Analysis:</b>
This is partially completed, with funding resources being researched to expand.

**City of Menard (Past Action) – 5**

<b>Proposed Action:</b>	Implement early warning system and plan.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Menard
<b>History of Damages:</b>	The City of Menard has a history of damaging hailstorms.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Hail
<b>Priority (High, Moderate, Low):</b>	Very High
<b>Estimated Cost:</b>	\$30,000
<b>Potential Funding Sources:</b>	Grants, general revenues
<b>Lead Agency/Department Responsible:</b>	Menard County, City of Menard, CVCOG
<b>Target Completion Date:</b>	January 1, 2007

<b>2011 Analysis:</b>
Partially completed, see above early warning objective.



**City of Menard (Past Action) – 6**

<b>Proposed Action:</b>	Implement early warning system.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Menard
<b>History of Damages:</b>	The City of Menard has a history of severe thunderstorms and high winds.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Thunderstorm, Tornado
<b>Priority (High, Moderate, Low):</b>	Very High
<b>Estimated Cost:</b>	\$30,000
<b>Potential Funding Sources:</b>	Grants, general revenues
<b>Lead Agency/Department Responsible:</b>	Menard County, City of Menard, Emergency Management, CVCOG
<b>Target Completion Date:</b>	January 1, 2007

<b>2011 Analysis:</b>
Partially completed, see above early warning objective.

**City of Menard (Past Action) – 7**

<b>Proposed Action:</b>	Implement a flood early warning system and response and plan.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Menard
<b>History of Damages:</b>	The City of Menard has a history of frequent flash flooding.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Flood
<b>Priority (High, Moderate, Low):</b>	Very High
<b>Estimated Cost:</b>	\$30,000 per year
<b>Potential Funding Sources:</b>	Grants, general revenues
<b>Lead Agency/Department Responsible:</b>	Menard County, Emergency Management, CVCOG, City of Menard
<b>Target Completion Date:</b>	January 1, 2007

<b>2011 Analysis:</b>
This should be deferred and included in the Plan Update. Due to funding it has not been completed.

**City of Menard (Past Action) – 8**

<b>Proposed Action:</b>	Have NOAA “All Hazards” radios for early warning and post-event information.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Menard
<b>History of Damages:</b>	The City of Menard has a history of hailstorms.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Hail
<b>Priority (High, Moderate, Low):</b>	Very High
<b>Estimated Cost:</b>	\$5,000
<b>Potential Funding Sources:</b>	Grants
<b>Lead Agency/Department Responsible:</b>	City of Menard
<b>Target Completion Date:</b>	January 1, 2007

<b>2011 Analysis:</b>
Continue in Plan Update, due to funding has not been started. Research has been conducted for placement. This needs to first include the NOAA “All Hazards” radio repeater and installing, which should cost \$25,000.

**City of Menard (Past Action) – 9**

<b>Proposed Action:</b>	Designate public tornado shelters.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Menard
<b>History of Damages:</b>	This would prevent loss of human lives, human injury or loss of livestock.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Tornado
<b>Priority (High, Moderate, Low):</b>	Very High
<b>Estimated Cost:</b>	\$1,000
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	City of Menard, Menard County, Emergency Management
<b>Target Completion Date:</b>	January 1, 2006

<b>2011 Analysis:</b>
Completed through planning process and implemented. Can be removed.

Previous Actions

**City of Menard (Past Action) – 10**

<b>Proposed Action:</b>	Train volunteer weather watchers.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Menard
<b>History of Damages:</b>	Prevent loss of human life or human injury and livestock loss.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Tornado
<b>Priority (High, Moderate, Low):</b>	Very High
<b>Estimated Cost:</b>	\$1,000
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	City of Menard, Menard County, VFD, Emergency Management
<b>Target Completion Date:</b>	January 1, 2006

<b>2011 Analysis:</b>
Has been completed and is ongoing every year through current plans, can be removed.

Previous Actions

**City of Menard (Past Action) – 11**

<b>Proposed Action:</b>	Implement maintenance program for clearing debris from drains and culverts.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Menard
<b>History of Damages:</b>	The City of Menard has a history of frequent flash flooding.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Flood
<b>Priority (High, Moderate, Low):</b>	Very High
<b>Estimated Cost:</b>	\$1,000 per year
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	City of Menard
<b>Target Completion Date:</b>	Ongoing

<b>2011 Analysis:</b>
Completed and is ongoing through current plans and policies. Potential for expansion.

Previous Actions

**City of Menard (Past Action) – 12**

<b>Proposed Action:</b>	Implement maintenance program for clearing debris from bridges.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Menard
<b>History of Damages:</b>	The City of Menard has a history of frequent flash flooding.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Flood
<b>Priority (High, Moderate, Low):</b>	Very High
<b>Estimated Cost:</b>	\$1,000 per year
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	City of Menard
<b>Target Completion Date:</b>	Ongoing

<b>2011 Analysis:</b>
Is completed and ongoing through current plans and policies. Could be expanded.

**City of Menard (Past Action) – 13**

<b>Proposed Action:</b>	Remove downed trees and fire fuels that increase fire risk.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Menard
<b>History of Damages:</b>	The City of Menard experienced a severe wildfire in 1999.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Wildfire
<b>Priority (High, Moderate, Low):</b>	Very High
<b>Estimated Cost:</b>	\$1,000
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	City of Menard
<b>Target Completion Date:</b>	Ongoing

<b>2011 Analysis:</b>
Needs to be deferred to Plan Update due to funding, has been started at a response level but not mitigation level.



Previous Actions

**City of Menard (Past Action) – 14**

<b>Proposed Action:</b>	Implement burn bans and fireworks bans as indicated by forestry service.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Menard
<b>History of Damages:</b>	Implementation of this action will prevent property loss and loss of human life or injuries.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Wildfire
<b>Priority (High, Moderate, Low):</b>	Very High
<b>Estimated Cost:</b>	\$500
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	Menard County, City of Menard
<b>Target Completion Date:</b>	Ongoing

<b>2011 Analysis:</b>
Completed and ongoing through current plans and policies.

**City of Menard (Past Action) – 15**

<b>Proposed Action:</b>	Implement early warning system.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Menard
<b>History of Damages:</b>	Implementation of this action would prevent human life loss or injury and livestock loss.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Hazardous Material Incident, Fuel Pipeline Failure
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$30,000
<b>Potential Funding Sources:</b>	Grants, general revenues
<b>Lead Agency/Department Responsible:</b>	City of Menard, Menard County, Emergency Management, CVCOG
<b>Target Completion Date:</b>	January 1, 2007

<b>2011 Analysis:</b>
This is partially completed, with funding resources being researched to expand.

Previous Actions

**City of Menard (Past Action) – 16**

<b>Proposed Action:</b>	Maintain natural environmental features as wind buffers.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Menard
<b>History of Damages:</b>	The City of Menard has a history of thunderstorms and high winds.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Thunderstorm, Tornado
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$5,000
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	City of Menard
<b>Target Completion Date:</b>	As needed (ongoing)

<b>2011 Analysis:</b>
Is ongoing as needed per in plans SOP.

**City of Menard (Past Action) – 17**

<b>Proposed Action:</b>	Adopt routine fire hydrant maintenance.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Menard
<b>History of Damages:</b>	The City of Menard experienced a severe fire in 1999.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Wildfire
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$3,000 per year
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	City of Menard, VFD
<b>Target Completion Date:</b>	Ongoing

<b>2011 Analysis:</b>
Needs to be deferred to Plan Update, has been started due to water improvement project but ongoing maintenance of older hydrants needs to be addressed.

**City of Menard (Past Action) – 18**

<b>Proposed Action:</b>	Prohibit dumping in streams and ditches.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Menard
<b>History of Damages:</b>	The City of Menard has a history of frequent flooding/flash flooding.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Flood
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$2,000
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	City of Menard
<b>Target Completion Date:</b>	Ongoing

<b>2011 Analysis:</b>
Completed and is ongoing through solid waste project/grants and enforcement.

**City of Menard (Past Action) – 19**

<b>Proposed Action:</b>	Educate public about household hazardous materials and other hazardous materials.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Menard
<b>History of Damages:</b>	Implementation would prevent human injury or loss of life.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Hazardous Material Incident, Fuel Pipeline Failure
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$1,500
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	City of Menard, Extension Service
<b>Target Completion Date:</b>	As needed (ongoing)

<b>2011 Analysis:</b>
Has been completed and is ongoing based on policy.

**City of Menard (Past Action) – 20**

<b>Proposed Action:</b>	Train personnel to handle emergencies.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Menard
<b>History of Damages:</b>	This would prevent human life loss or injury.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Hazardous Material Incident, Fuel Pipeline Failure
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$1,000
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	City of Menard, VFD
<b>Target Completion Date:</b>	As needed (ongoing)

<b>2011 Analysis:</b>
Has been implemented and is ongoing on a limited basis. Needs to continue.

**City of Menard (Past Action) – 21**

<b>Proposed Action:</b>	Ensure public has access to local firm maps/flood map ordering information.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Menard
<b>History of Damages:</b>	The City of Menard has a history of frequent flooding.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Flood
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$300
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	City of Menard
<b>Target Completion Date:</b>	Ongoing

<b>2011 Analysis:</b>
Needs to be deferred and addressed in Plan Update, is inadequate at this time.



**City of Menard (Past Action) – 22**

<b>Proposed Action:</b>	Place flood insurance materials/mortgage lending mandates in libraries.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Menard
<b>History of Damages:</b>	The City of Menard has a history of frequent flooding.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Flood
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$200
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	City of Menard
<b>Target Completion Date:</b>	As needed

<b>2011 Analysis:</b>
See above, needs to be deferred into the Plan Update and continued.

Previous Actions

<b>City of Menard (Past Action)-23</b>	
<b>Proposed Action:</b>	Identify repetitive loss properties for future hazard mitigation grant program funding.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Menard
<b>History of Damages:</b>	The City of Menard has a history of frequent flooding.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Flood
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$200
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	City of Menard, EMC, Menard County
<b>Target Completion Date:</b>	Ongoing

<b>2011 Analysis:</b>
Has been started, not completed, is ongoing on a limited level, can be improved and needs to be continued in Plan Update.

**City of Menard (Past Action) – 24**

<b>Proposed Action:</b>	Maintain records of elevation certificates (E.C.) issued for all new/improved buildings in SFHA's; make readily available for public access.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Menard
<b>History of Damages:</b>	The City of Menard has a history of frequent flooding.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Flood
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$0
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	City of Menard
<b>Target Completion Date:</b>	Ongoing

<b>2011 Analysis:</b>
Is inadequate at this time due to rain, funding, and resources based in that order of importance. Needs to be improved and deferred into Plan Update.

**City of Menard (Past Action) – 25**

<b>Proposed Action:</b>	Annually distribute flood protection/NFIP pamphlets to owners of flood prone property.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Menard
<b>History of Damages:</b>	The City of Menard has a history of flooding.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Flood
<b>Priority (High, Moderate, Low):</b>	Moderate
<b>Estimated Cost:</b>	\$700
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	City of Menard, EMC
<b>Target Completion Date:</b>	Ongoing

<b>2011 Analysis:</b>
Needs to be conducted and deferred to Plan Update, has not occurred.

## Reagan County

<b>Reagan County (Past Action) – 1</b>	
<b>Proposed Action:</b>	Improve Emergency Management radio coverage and reception; expand early warning systems for hazard events.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Reagan County
<b>History of Damages:</b>	Reagan County has a history of tornadoes, hailstorms, thunderstorms and high winds.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Multiple Hazards; Tornado, Hail, Thunderstorm, Wind
<b>Priority (High, Moderate, Low):</b>	Very High
<b>Estimated Cost:</b>	\$3,000
<b>Potential Funding Sources:</b>	Grants
<b>Lead Agency/Department Responsible:</b>	Reagan County
<b>Target Completion Date:</b>	2005

<b>2011 Analysis:</b>
Completed.

<b>Reagan County (Past Action) – 2</b>	
<b>Proposed Action:</b>	Implement maintenance program to clear and remove debris.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Reagan County
<b>History of Damages:</b>	Reagan County has a history of flooding.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Flood
<b>Priority (High, Moderate, Low):</b>	Very High
<b>Estimated Cost:</b>	\$1,000
<b>Potential Funding Sources:</b>	Grants, general revenues
<b>Lead Agency/Department Responsible:</b>	Reagan County
<b>Target Completion Date:</b>	2005

<b>2011 Analysis:</b>
Rollover.

**Reagan County (Past Action) – 3**

<b>Proposed Action:</b>	Stay current on new technologies for fighting fires.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Reagan County
<b>History of Damages:</b>	To keep economic losses to a minimum.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Wildfire
<b>Priority (High, Moderate, Low):</b>	Very High
<b>Estimated Cost:</b>	\$500
<b>Potential Funding Sources:</b>	Grants, general revenues
<b>Lead Agency/Department Responsible:</b>	Reagan County
<b>Target Completion Date:</b>	2005

<b>2011 Analysis:</b>
Rollover.

Previous Actions

<b>Reagan County (Past Action) – 4</b>	
<b>Proposed Action:</b>	Promote the availability of crop insurance.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Reagan County
<b>History of Damages:</b>	Reagan County experienced a heat wave in 1994 and numerous droughts since 1996.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Drought
<b>Priority (High, Moderate, Low):</b>	Very High
<b>Estimated Cost:</b>	\$50
<b>Potential Funding Sources:</b>	Grants, general revenues
<b>Lead Agency/Department Responsible:</b>	USDA
<b>Target Completion Date:</b>	Ongoing

<b>2011 Analysis:</b>
Rollover.



**Reagan County (Past Action) – 5**

<b>Proposed Action:</b>	Develop a local hazmat team; create and practice neighborhood and community plans with drills and exercises.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Reagan County
<b>History of Damages:</b>	There was an oil spill in 2003 and numerous tank fires since 1998.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Hazardous Material Incident
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$1,000
<b>Potential Funding Sources:</b>	Grants
<b>Lead Agency/Department Responsible:</b>	Reagan County
<b>Target Completion Date:</b>	2005

<b>2011 Analysis:</b>
Rollover.

<b>Reagan County (Past Action) – 6</b>	
<b>Proposed Action:</b>	Conduct simulated disaster exercises; ensure that Emergency Management plan is in effect.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Reagan County
<b>History of Damages:</b>	This would help the County be ready for a disaster.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Terrorism
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	To be determined
<b>Potential Funding Sources:</b>	Grants
<b>Lead Agency/Department Responsible:</b>	Reagan County, VFD
<b>Target Completion Date:</b>	Periodically, ongoing

<b>2011 Analysis:</b>
Ongoing action.

**Reagan County (Past Action) – 7**

<b>Proposed Action:</b>	Be in contact with TxDOT on road conditions.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Reagan County
<b>History of Damages:</b>	This action would give the public notice of road closures.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Thunderstorm, Winter Storm
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	To be determined
<b>Potential Funding Sources:</b>	Grants, general revenues
<b>Lead Agency/Department Responsible:</b>	Reagan County
<b>Target Completion Date:</b>	Ongoing

<b>2011 Analysis:</b>
Ongoing action.

**City of Big Lake**

<b>City of Big Lake (Past Action) – 1</b>	
<b>Proposed Action:</b>	Implement a flood early warning system and response plan. Implement maintenance program for clearing debris from drains/culverts.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Big Lake
<b>History of Damages:</b>	Areas of the City flooded in each of the years from 1996-2003.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Flood
<b>Priority (High, Moderate, Low):</b>	Very High
<b>Estimated Cost:</b>	\$5,000
<b>Potential Funding Sources:</b>	Grants
<b>Lead Agency/Department Responsible:</b>	City of Big Lake
<b>Target Completion Date:</b>	2008

<b>2011 Analysis:</b>
Ongoing.

**City of Big Lake (Past Action) – 2**

<b>Proposed Action:</b>	Obtain certification of communities by the National Weather Station Storm Ready communities. Improve emergency management radio coverage and reception. Expand early warning system for hazard events.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Big Lake
<b>History of Damages:</b>	Since 1996, the City has experienced a tornado, damaging high winds, hail and thunderstorms.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Multiple Hazards
<b>Priority (High, Moderate, Low):</b>	Very High
<b>Estimated Cost:</b>	\$3,000
<b>Potential Funding Sources:</b>	Grants
<b>Lead Agency/Department Responsible:</b>	City of Big Lake
<b>Target Completion Date:</b>	2005

<b>2011 Analysis:</b>
City has radio coverage and reception during disasters, local with Reagan County.

**City of Big Lake (Past Action) – 3**

<b>Proposed Action:</b>	Contingency plan for mandatory water rationing, impose excess use fees during water shortage; lawn watering rationing. Adopt an emergency water allocation plan. Public education of extreme heat and drought safety issues.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Big Lake
<b>History of Damages:</b>	Since 1996, the city has experienced a heat wave and in most of those years has had less than average rainfall and high temperatures.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Drought
<b>Priority (High, Moderate, Low):</b>	Very High
<b>Estimated Cost:</b>	\$1,000
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	City of Big Lake
<b>Target Completion Date:</b>	2004

<b>2011 Analysis:</b>
Action was completed.

**City of Big Lake (Past Action) – 4**

<b>Proposed Action:</b>	Create and practice neighborhood plans with drills and exercises. Public education of hazmat risk, detection, and evacuation.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Big Lake
<b>History of Damages:</b>	In 2002, there was a hazard spill.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Hazardous Material Incident, Fuel Pipeline Failure
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$1,000
<b>Potential Funding Sources:</b>	Grants
<b>Lead Agency/Department Responsible:</b>	City of Big Lake
<b>Target Completion Date:</b>	2005

<b>2011 Analysis:</b>
Ongoing project with the County.

**City of Big Lake (Past Action) – 5**

<b>Proposed Action:</b>	Conduct simulated disaster exercises periodically to test plans and improve capabilities. Update emergency management plan periodically.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Big Lake
<b>History of Damages:</b>	Preparing for a “9-11” event.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Terrorism
<b>Priority (High, Moderate, Low):</b>	Low
<b>Estimated Cost:</b>	\$2,000
<b>Potential Funding Sources:</b>	Grants
<b>Lead Agency/Department Responsible:</b>	City of Big Lake, VFD
<b>Target Completion Date:</b>	2005

<b>2011 Analysis:</b>
Ongoing, work with Reagan County to update plans.



## Schleicher County

<b>Schleicher County (Past Action) – 1</b>	
<b>Proposed Action:</b>	Establish and/or acquire safe sites in public facilities (schools, police/fire) in the event evacuation of schools, residences, and businesses is necessary during severe weather or other hazards facing the region. Implement a public awareness campaign to ensure all citizens are familiar with evacuation routes and location of the nearest shelter.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Schleicher County
<b>History of Damages:</b>	Currently no system is in place to notify residents of area evacuation routes and safe shelters in the event of a disaster in the area.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Multiple Hazards: Severe Weather, Drought, Wildfire, Hazardous Material Incident
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$5,000
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	County Sheriff Department, City of Eldorado fire/police
<b>Target Completion Date:</b>	2005

<b>2011 Analysis:</b>
Ongoing.

<b>Schleicher County (Past Action) – 2</b>	
<b>Proposed Action:</b>	Purchase NOAA “All-Hazards” radios for early warning and post-event information and place in area schools, businesses, and critical care facilities utilizing public and private partnership funding.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Schleicher County
<b>History of Damages:</b>	Newer NOAA radios are currently not found in all area public facilities, schools, nursing homes, and hospitals.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Multiple Hazards
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$3,000
<b>Potential Funding Sources:</b>	Private businesses
<b>Lead Agency/Department Responsible:</b>	County Sheriff Department, City of Eldorado fire/police, private businesses as partners in the project
<b>Target Completion Date:</b>	2005

<b>2011 Analysis:</b>
Ongoing.

Previous Actions

**Schleicher County (Past Action) – 3**

<b>Proposed Action:</b>	Establish a hazard mitigation library or hazard information center for use by local residents and schools to educate the public about the top natural hazards affecting the CVCOG region.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Schleicher County
<b>History of Damages:</b>	Increase public awareness of the primary hazards facing the City of Eldorado and Schleicher County.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Multiple Hazards
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$250
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	County Judge, City Secretary
<b>Target Completion Date:</b>	2005

<b>2011 Analysis:</b>
Ongoing.

**City of Eldorado**

<b>City of Eldorado (Past Action) – 1</b>	
<b>Proposed Action:</b>	Provide 1,000 gallon capacity brush truck (wild firefighting unit).
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Eldorado
<b>History of Damages:</b>	All water used to fight fires in the County has to be trucked to the scene. Many times water is several miles from the scene. Many times the trucks used to transport water early in the fire must wait until they are emptied before they can leave, by the time they return, the firefighters have run out of water. Additionally, the extra capacity within the city limits would aid in structural fires.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Wildfire
<b>Priority (High, Moderate, Low):</b>	Very High
<b>Estimated Cost:</b>	\$95,000
<b>Potential Funding Sources:</b>	Grants
<b>Lead Agency/Department Responsible:</b>	Eldorado Fire Department
<b>Target Completion Date:</b>	2006

<b>2011 Analysis:</b>
Completed.

**City of Eldorado (Past Action) – 2**

<b>Proposed Action:</b>	Provide portable drop tanks with minimum 4,000 gallon capacity to the volunteer fire department to enhance their water resource capacities.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Eldorado
<b>History of Damages:</b>	All water used to fight fires in the County has to be trucked to the scene and many times water is several miles from the scene. Many times the trucks used to transport water early in the fire must wait until they are emptied before they can leave, by the time they return, the firefighters have run out of water. Additionally, the extra capacity within the city limits would aid in structural fires.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Wildfire
<b>Priority (High, Moderate, Low):</b>	Very High
<b>Estimated Cost:</b>	\$6,000
<b>Potential Funding Sources:</b>	Grants
<b>Lead Agency/Department Responsible:</b>	Eldorado Fire Department
<b>Target Completion Date:</b>	2008

<b>2011 Analysis:</b>
Completed.

**City of Eldorado (Past Action) – 3**

<b>Proposed Action:</b>	Expand the law enforcement center with an Incident Command Center with the space and equipment necessary to respond to a variety of multiple hazards.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Eldorado
<b>History of Damages:</b>	The City of Eldorado and Schleicher County are vulnerable to a wide range of disasters. The current command center is unsuitable for any type of adequate response to these disasters.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Multiple Hazards
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$50,000
<b>Potential Funding Sources:</b>	Grants
<b>Lead Agency/Department Responsible:</b>	Eldorado Fire Department and Schleicher County Sheriff's Office
<b>Target Completion Date:</b>	2010

<b>2011 Analysis:</b>
Completed.

Previous Actions

**City of Eldorado (Past Action) – 4**

<b>Proposed Action:</b>	Establish a hazard mitigation library or hazard information center for use by local residents and schools to educate the public about the top natural hazards affecting the CVCOG region.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Eldorado
<b>History of Damages:</b>	Increase public awareness of the primary hazards facing the City of Eldorado and Schleicher County.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Multiple Hazards
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$250
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	County Judge, City Secretary
<b>Target Completion Date:</b>	2005

<b>2011 Analysis:</b>
Completed.

## Sterling County

<b>Sterling County (Past Action) – 1</b>	
<b>Proposed Action:</b>	Coordinate wildfire hazard plan with other agencies/jurisdictions.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Sterling County
<b>History of Damages:</b>	Sterling County has a history of fires.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Wildfire
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$0
<b>Potential Funding Sources:</b>	N/A
<b>Lead Agency/Department Responsible:</b>	Sterling County
<b>Target Completion Date:</b>	2005

<b>2011 Analysis:</b>
Ongoing.



**Sterling County (Past Action) – 2**

<b>Proposed Action:</b>	Routinely clean and repair storm water drains.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Sterling County
<b>History of Damages:</b>	The City of Sterling City has some flash flooding.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Flood
<b>Priority (High, Moderate, Low):</b>	Moderate
<b>Estimated Cost:</b>	\$500
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	City of Sterling
<b>Target Completion Date:</b>	As needed

<b>2011 Analysis:</b>
Remove.

**Sterling County (Past Action) – 3**

<b>Proposed Action:</b>	Conduct public education program on fire risk and wildfire mitigation, with the assistance of the Texas Forest Service.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Sterling County
<b>History of Damages:</b>	Sterling County has a background of fires.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Wildfire
<b>Priority (High, Moderate, Low):</b>	Moderate
<b>Estimated Cost:</b>	\$0
<b>Potential Funding Sources:</b>	N/A
<b>Lead Agency/Department Responsible:</b>	Sterling County
<b>Target Completion Date:</b>	As needed

<b>2011 Analysis:</b>
Rollover.

**Sterling County (Past Action) – 4**

<b>Proposed Action:</b>	Educate residents about xeriscaping.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Sterling County
<b>History of Damages:</b>	Sterling County has a background of drought and heat.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Drought, Excessive Heat
<b>Priority (High, Moderate, Low):</b>	Moderate
<b>Estimated Cost:</b>	\$0
<b>Potential Funding Sources:</b>	N/A
<b>Lead Agency/Department Responsible:</b>	Sterling County - Extensive Service
<b>Target Completion Date:</b>	As needed

<b>2011 Analysis:</b>
Ongoing.

**Sterling County (Past Action) – 5**

<b>Proposed Action:</b>	Develop and maintain a basic emergency plan that complies with state planning standards.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Sterling County
<b>History of Damages:</b>	Sterling County has several miles of pipelines and several gas plants.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Hazardous Material Incident, Fuel Pipeline Failure
<b>Priority (High, Moderate, Low):</b>	Moderate
<b>Estimated Cost:</b>	\$0
<b>Potential Funding Sources:</b>	N/A
<b>Lead Agency/Department Responsible:</b>	Sterling County
<b>Target Completion Date:</b>	Finished

<b>2011 Analysis:</b>
Completed, and updated regularly.

**Sterling County (Past Action) – 6**

<b>Proposed Action:</b>	Prepare and advertise the local emergency evacuation plan, such as escape routes, in coordination with the Department of Transportation.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Sterling County
<b>History of Damages:</b>	A tornado and high winds could occur in the City of Sterling City at any time.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Tornado, Thunderstorm
<b>Priority (High, Moderate, Low):</b>	Moderate
<b>Estimated Cost:</b>	\$0
<b>Potential Funding Sources:</b>	N/A
<b>Lead Agency/Department Responsible:</b>	Sterling County
<b>Target Completion Date:</b>	Finished

<b>2011 Analysis:</b>
Ongoing.

**City of Sterling City**

<b>City of Sterling City (Past Action) – 1</b>	
<b>Proposed Action:</b>	Install quick-connect emergency generator hook-ups for critical facilities.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Sterling City
<b>History of Damages:</b>	We have had long periods of time with our power out due to storms.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Multiple Hazards
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$20,000
<b>Potential Funding Sources:</b>	Grants
<b>Lead Agency/Department Responsible:</b>	City of Sterling City
<b>Target Completion Date:</b>	Completed

<b>2011 Analysis:</b>
Completed.

Previous Actions

**City of Sterling City (Past Action) – 2**

<b>Proposed Action:</b>	Install early warning system for hazard events.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Sterling City
<b>History of Damages:</b>	In 2002, early warning system needed to be updated due to old age.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Multiple Hazards
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$8,000
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	City of Sterling City
<b>Target Completion Date:</b>	Has been completed

<b>2011 Analysis:</b>
A siren system has been installed.

Previous Actions

**City of Sterling City (Past Action) – 3**

<b>Proposed Action:</b>	Adopt routine fire hydrant maintenance.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Sterling City
<b>History of Damages:</b>	There have been times in the past that the hydrants have been had to operate.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Wildfire
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$3,000 annually
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	City of Sterling City
<b>Target Completion Date:</b>	Ongoing

<b>2011 Analysis:</b>
Ongoing project.



Previous Actions

**City of Sterling City (Past Action) – 4**

<b>Proposed Action:</b>	Raise electrical components of sewage lift stations above BFE.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Sterling City
<b>History of Damages:</b>	In 2002, Concho River ran out of its banks and flooded river lift station.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Flood
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$3,000
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	City of Sterling City
<b>Target Completion Date:</b>	Has been completed

<b>2011 Analysis:</b>
Completed.

Previous Actions

**City of Sterling (Past Action) – 5**

<b>Proposed Action:</b>	Use stream restoration/channelization to ensure adequate drainage/diversion of storm water.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Sterling City
<b>History of Damages:</b>	In past there was bad drainage of storm water.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Flood
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$1,000 per year
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	City of Sterling City
<b>Target Completion Date:</b>	Ongoing

<b>2011 Analysis:</b>
Completed.

Previous Actions

**City of Sterling City (Past Action) – 6**

<b>Proposed Action:</b>	Survey and remove hazardous trees from drainage systems.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Sterling City
<b>History of Damages:</b>	Trees and brush have grown up next to the drainage system through the city over the past years.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Tornado, Thunderstorm
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$1,000
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	City of Sterling City
<b>Target Completion Date:</b>	Ongoing

<b>2011 Analysis:</b>
Ongoing project.

**City of Sterling City (Past Action) – 7**

<b>Proposed Action:</b>	Retain and maintain natural vegetation in storm water channels.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Sterling City
<b>History of Damages:</b>	Vegetation in draws causes storm water backage if not maintained.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Flood
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$1,000
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	City of Sterling City
<b>Target Completion Date:</b>	Ongoing

<b>2011 Analysis:</b>
Ongoing project.

**City of Sterling City (Past Action) – 8**

<b>Proposed Action:</b>	Allow no vegetation or fire-resistant landscaping in easements.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Sterling City
<b>History of Damages:</b>	In past years, we have fires started in easements due to high vegetation.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Wildfire
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$1,000
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	City of Sterling City
<b>Target Completion Date:</b>	Ongoing

<b>2011 Analysis:</b>
Ongoing project.

Previous Actions

**City of Sterling City (Past Action) – 9**

<b>Proposed Action:</b>	Implement a tree-trimming program that routinely clears tree limbs hanging in right-of-ways.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Sterling City
<b>History of Damages:</b>	Trees have grown over into the right-of-ways in the past and caused some damage.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Tornado, Thunderstorm
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$500
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	City of Sterling City
<b>Target Completion Date:</b>	

<b>2011 Analysis:</b>
Ongoing project.

Previous Actions

**City of Sterling City (Past Action) – 10**

<b>Proposed Action:</b>	Conduct public education program on fire risks and wildfire mitigation, with the assistance of the Texas Forest Service.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Sterling City
<b>History of Damages:</b>	We have had several structure fires and wildfires in the past that could have been avoided.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Wildfire
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$200
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	City of Sterling City
<b>Target Completion Date:</b>	Ongoing

<b>2011 Analysis:</b>
Ongoing project.

Previous Actions

<b>City of Sterling City (Past Action) – 11</b>	
<b>Proposed Action:</b>	Develop drought contingency plans outlining actions to take at varying levels of drought.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Sterling City
<b>History of Damages:</b>	There have been wells drying up, and lakes in the surrounding area drying up, or getting dangerously low.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Drought, Excessive Heat
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$160
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	City of Sterling City
<b>Target Completion Date:</b>	Has been completed

<b>2011 Analysis:</b>
Completed, undergoing stage 2 now.



Previous Actions

<b>City of Sterling City (Past Action) – 12</b>	
<b>Proposed Action:</b>	Develop an enforcement plan for implementing mandatory water rationing; impose excess use charges during times of water shortage; lawn watering restrictions.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Sterling City
<b>History of Damages:</b>	We have had a past history of high heat and drought.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Drought, Excessive Heat
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$0
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	City of Sterling City
<b>Target Completion Date:</b>	Completed

<b>2011 Analysis:</b>
Completed, on the contingency plan.

**City of Sterling City (Past Action) – 13**

<b>Proposed Action:</b>	Assess local water supply and water treatment systems.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Sterling City
<b>History of Damages:</b>	In the past and present, everywhere in our country has been threatened by terrorist acts.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Terrorism
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$0
<b>Potential Funding Sources:</b>	General revenues
<b>Lead Agency/Department Responsible:</b>	City of Sterling City
<b>Target Completion Date:</b>	Ongoing

<b>2011 Analysis:</b>
Ongoing.

Previous Actions

**City of Sterling City (Past Action) – 14**

<b>Proposed Action:</b>	Bury utility lines to prevent ice buildup.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Sterling City
<b>History of Damages:</b>	Water lines too close to the surface in the past have frozen due to low temperatures.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Winter Storm
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	N/A
<b>Potential Funding Sources:</b>	General revenues, grants
<b>Lead Agency/Department Responsible:</b>	City of Sterling City
<b>Target Completion Date:</b>	Completed

<b>2011 Analysis:</b>
Water lines are buried underground already, completed.

**City of Sterling City (Past Action) – 15**

<b>Proposed Action:</b>	Develop capital improvements plan.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Sterling City
<b>History of Damages:</b>	We have not had a capital improvements plan in the past to see where we stand until last year.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Flood
<b>Priority (High, Moderate, Low):</b>	Moderate
<b>Estimated Cost:</b>	\$30,000
<b>Potential Funding Sources:</b>	General revenues, grants
<b>Lead Agency/Department Responsible:</b>	City of Sterling City
<b>Target Completion Date:</b>	Completed

<b>2011 Analysis:</b>
Ongoing project.

## Sutton County

<b>Sutton County (Past Action) – 1</b>	
<b>Proposed Action:</b>	Purchase 6 chemical suits for two teams of three.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Sutton County
<b>History of Damages:</b>	The City of Sonora and Sutton County have a number of chemical and gas field facilities that could create a hazardous material incident, which would endanger a large number of people. The Sonora VFD needs chemical suits for two teams.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Hazardous Material Incident
<b>Priority (High, Moderate, Low):</b>	Very High
<b>Estimated Cost:</b>	\$12,000
<b>Potential Funding Sources:</b>	Grants
<b>Lead Agency/Department Responsible:</b>	City of Sonora City Council, Sutton County Commissioner’s Court
<b>Target Completion Date:</b>	2008

<b>2011 Analysis:</b>
Not completed, rollover into Plan Update.

**Sutton County (Past Action) – 2**

<b>Proposed Action:</b>	Purchase site detox equipment (tents, etc.) for two teams of three.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Sutton County
<b>History of Damages:</b>	The City of Sonora and Sutton County have a number of chemical and gas field facilities that could create a hazardous material incident, which would endanger a large number of people.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Hazardous Material Incident
<b>Priority (High, Moderate, Low):</b>	Very High
<b>Estimated Cost:</b>	\$10,000
<b>Potential Funding Sources:</b>	Grants
<b>Lead Agency/Department Responsible:</b>	City of Sonora City Council, Sutton County Commissioner’s Court
<b>Target Completion Date:</b>	2008

<b>2011 Analysis:</b>
Set up at hospital, this action has been completed.

**Sutton County (Past Action) – 3**

<b>Proposed Action:</b>	Purchase four hi-band digital capable radios for Sonora VFD.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Sutton County
<b>History of Damages:</b>	Sonora VFD is part of all hazard mitigation in this area, having a leading role in rescue, evacuation and the like. Their radios are extremely old and do not work county-wide.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Multiple Hazards
<b>Priority (High, Moderate, Low):</b>	Very High
<b>Estimated Cost:</b>	\$10,000
<b>Potential Funding Sources:</b>	Grants
<b>Lead Agency/Department Responsible:</b>	City of Sonora City Council, Sutton County Commissioner’s Court
<b>Target Completion Date:</b>	2008

<b>2011 Analysis:</b>
Completed.

**Sutton County (Past Action) – 4**

<b>Proposed Action:</b>	Develop extensive outside training program for all rescue personnel (law enforcement, fire department, EMS, hospital) for handling of hazards endemic to this area, particularly toxic situations, gas industry related explosions, and fires involving toxic material which require a higher level of training.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Sutton County
<b>History of Damages:</b>	The City of Sonora and Sutton County have a number of chemical and gas field facilities that could create a hazardous material incident, which would endanger a large number of people. These situations have occurred before and will again. More knowledge and training would be beneficial.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Hazardous Material Incident
<b>Priority (High, Moderate, Low):</b>	Very High
<b>Estimated Cost:</b>	\$4,000
<b>Potential Funding Sources:</b>	General revenues, grants
<b>Lead Agency/Department Responsible:</b>	City of Sonora City Council, Sutton County Commissioner’s Court
<b>Target Completion Date:</b>	2007

<b>2011 Analysis:</b>
Partially completed, rollover into Plan Update.



**Sutton County (Past Action) – 5**

<b>Proposed Action:</b>	Install a county-wide warning system (Reverse 911).
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Sutton County
<b>History of Damages:</b>	Sutton County has no functional county-wide warning system. A Reverse 911 system would enable warning of selected population segments for multiple hazards.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	All Hazards
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$250,000
<b>Potential Funding Sources:</b>	Grants
<b>Lead Agency/Department Responsible:</b>	Sutton County Commissioner’s Court
<b>Target Completion Date:</b>	2010

<b>2011 Analysis:</b>
Completed, automatic telephone warning system purchased in 2009.

**Sutton County (Past Action) – 6**

<b>Proposed Action:</b>	Develop and disseminate multi-hazard public awareness program, through newspaper inserts, distribution of printed leaflets, and other media exposure.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Sutton County
<b>History of Damages:</b>	It has been a number of years since an extensive public information program has been done, warning residents what to do in the face of various hazards, including hailstorm, tornado, toxic emission, drought, flooding, lightning, etc.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Multiple Hazards
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$3,000
<b>Potential Funding Sources:</b>	General revenues, grants
<b>Lead Agency/Department Responsible:</b>	Sutton County Commissioner’s Court
<b>Target Completion Date:</b>	2007

<b>2011 Analysis:</b>
Educational awareness programs about spills.

**City of Sonora**

<b>City of Sonora (Past Action) – 1</b>	
<b>Proposed Action:</b>	Purchase 6 chemical suits for two teams of three.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Sonora
<b>History of Damages:</b>	The City of Sonora and Sutton County have a number of chemical and gas field facilities that could create a hazardous material incident, which would endanger a large number of people. The Sonora VFD needs chemical suits for two teams.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Hazardous Material Incident
<b>Priority (High, Moderate, Low):</b>	Very High
<b>Estimated Cost:</b>	\$12,000
<b>Potential Funding Sources:</b>	Grants
<b>Lead Agency/Department Responsible:</b>	City of Sonora City Council, Sutton County Commissioner’s Court
<b>Target Completion Date:</b>	2008

<b>2011 Analysis:</b>
Rollover.

**City of Sonora (Past Action) – 2**

<b>Proposed Action:</b>	Purchase site detox equipment (tents, etc.) for two teams of three.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Sonora
<b>History of Damages:</b>	The City of Sonora and Sutton County have a number of chemical and gas field facilities that could create a hazardous material incident, which would endanger a large number of people.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Hazardous Material Incident
<b>Priority (High, Moderate, Low):</b>	Very High
<b>Estimated Cost:</b>	\$10,000
<b>Potential Funding Sources:</b>	Grants
<b>Lead Agency/Department Responsible:</b>	City of Sonora City Council, Sutton County Commissioner’s Court
<b>Target Completion Date:</b>	2008

<b>2011 Analysis:</b>
Rollover.

**City of Sonora (Past Action) – 3**

<b>Proposed Action:</b>	Purchase four hi-band digital capable radios for Sonora VFD.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Sonora
<b>History of Damages:</b>	Sonora VFD is part of all hazard mitigation in this area, having a leading role in rescue, evacuation and the like. Their radios are extremely old and do not work county-wide.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Multiple Hazards
<b>Priority (High, Moderate, Low):</b>	Very High
<b>Estimated Cost:</b>	\$10,000
<b>Potential Funding Sources:</b>	Grants
<b>Lead Agency/Department Responsible:</b>	City of Sonora City Council, Sutton County Commissioner’s Court
<b>Target Completion Date:</b>	2008

<b>2011 Analysis:</b>
Purchases had been made for the police department, but not the fire department.

Previous Actions

**City of Sonora (Past Action) – 4**

<b>Proposed Action:</b>	Develop extensive outside training program for all rescue personnel (law enforcement, fire department, EMS, hospital) for handling of hazards endemic to this area, particularly toxic situations, gas industry related explosions, and fires involving toxic material which require a higher level of training.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Sonora
<b>History of Damages:</b>	The City of Sonora and Sutton County have a number of chemical and gas field facilities that could create a hazardous material incident, which would endanger a large number of people. These situations have occurred before and will again. More knowledge and training would be beneficial.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Hazardous Material Incident
<b>Priority (High, Moderate, Low):</b>	Very High
<b>Estimated Cost:</b>	\$4,000
<b>Potential Funding Sources:</b>	General revenues, grants
<b>Lead Agency/Department Responsible:</b>	City of Sonora City council, Sutton County Commissioner’s Court
<b>Target Completion Date:</b>	2007

<b>2011 Analysis:</b>
Partially completed, rollover.

**City of Sonora (Past Action) – 5**

<b>Proposed Action:</b>	Install a county-wide warning system (Reverse 911).
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Sonora
<b>History of Damages:</b>	Sutton County has no functional county-wide warning system. A Reverse 911 system would enable warning of selected population segments for multiple hazards.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Multiple Hazards
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$250,000
<b>Potential Funding Sources:</b>	Grants
<b>Lead Agency/Department Responsible:</b>	Sutton County Commissioner’s Court
<b>Target Completion Date:</b>	2010

<b>2011 Analysis:</b>
Rollover.

**City of Sonora (Past Action) – 6**

<b>Proposed Action:</b>	Develop and disseminate multi-hazard public awareness program, through newspaper inserts, distribution of printed leaflets, and other media exposure.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of Sonora
<b>History of Damages:</b>	It has been a number of years since an extensive public information program has been done, warning residents what to do in the face of various hazards, including hailstorm, tornado, toxic emission, drought, flooding, lightning, etc.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Multiple Hazards
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$3,000
<b>Potential Funding Sources:</b>	General revenues, grants
<b>Lead Agency/Department Responsible:</b>	Sutton County Commissioner’s Court
<b>Target Completion Date:</b>	2007

<b>2011 Analysis:</b>
Rollover.



## Tom Green County

<b>Tom Green County (Past Action) – 1</b>	
<b>Proposed Action:</b>	Purchase two repeaters for the fire communications system used by the VFDs, as well as six mobile radios per volunteer department.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Tom Green County
<b>History of Damages:</b>	The VFDs in Tom Green County respond to all emergency situations from vehicle accidents to fire to floods. There is currently no repeater system for the eleven VFDs within Tom Green County. All radio traffic from one department to the other, as well as from responding units to the requesting department must go through central dispatch. This has resulted in inadequate equipment being sent in mutual aid situations, or units traveling almost to the scene before being advised by dispatch that they are no longer needed, when they could have been advised considerably sooner, had adequate radio equipment been available. Additionally, most of the radios in the fire trucks are 20 years old or better, and were hand-me-downs when the departments got them.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Multiple Hazards
<b>Priority (High, Moderate, Low):</b>	Very High
<b>Estimated Cost:</b>	\$300,000
<b>Potential Funding Sources:</b>	Grants
<b>Lead Agency/Department Responsible:</b>	Tom Green County commissioner’s Court
<b>Target Completion Date:</b>	FY 2006

<b>2011 Analysis:</b>
Completed.

**Tom Green County (Past Action) – 2**

<b>Proposed Action:</b>	Provide portable drop tanks with a minimum 3,000 gallon capacity to each volunteer fire department to enhance their water resource capacities.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Tom Green County
<b>History of Damages:</b>	Numerous residences and other structures have been lost, or have suffered substantial damage because of a lack of adequate water supply. All water used to fight fires in Tom Green County outside the incorporated city limits of San Angelo has to be trucked onto the scene. Many times the water source is several miles from the scene. Additionally, many times the trucks used to transport the water early in the fire must wait until they are emptied by the firefighting process before they can leave, and while they are gone to replenish their supplies, the firefighters run out of water.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Wildfire
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$16,500
<b>Potential Funding Sources:</b>	Grants
<b>Lead Agency/Department Responsible:</b>	Tom Green County Commissioner’s Court
<b>Target Completion Date:</b>	FY 2005

<b>2011 Analysis:</b>
Partially completed, rollover to Plan Update.

**Tom Green County (Past Action) – 3**

<b>Proposed Action:</b>	Create a facility that will act as the alternate Emergency Operations Center (EOC) and will provide emergency backup technology systems allowing the city to continue operating should the primary EOC or the primary Information Management location be destroyed or rendered incapable of operation.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Tom Green County
<b>History of Damages:</b>	The City and County have an outdated ill-equipped facility as a primary EOC. The City has no backup facility for Information Management. A new modernized facility could serve several purposes before, during and after a disaster.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Multiple Hazards
<b>Priority (High, Moderate, Low):</b>	Very High
<b>Estimated Cost:</b>	To be determined
<b>Potential Funding Sources:</b>	General funds, grants, inter-jurisdictional assistance
<b>Lead Agency/Department Responsible:</b>	City of San Angelo
<b>Target Completion Date:</b>	FY 2006

<b>2011 Analysis:</b>
Completed, has written agreements to use the City Council building and the West Texas Training Center as backup.

## City of San Angelo

<b>City of San Angelo (Past Action) – 1</b>	
<b>Proposed Action:</b>	Develop a program of public awareness of low water crossings, alternate travel routes, and the dangers associated with those locations during times of heavy rains. Implement an ordinance for retrieving the cost of water rescues involving motorists stranded in marked low water crossings.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of San Angelo
<b>History of Damages:</b>	The city fire rescue teams are called upon routinely immediately after heavy rains to rescue stranded motorists. Although the low water crossings are marked with signs, additional public awareness needs to be considered.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Multiple Hazards
<b>Priority (High, Moderate, Low):</b>	Very High
<b>Estimated Cost:</b>	
<b>Potential Funding Sources:</b>	General funds
<b>Lead Agency/Department Responsible:</b>	City of San Angelo
<b>Target Completion Date:</b>	FY 2006

<b>2011 Analysis:</b>
Not publicized, but some of the low lying areas are barricaded.

**City of San Angelo (Past Action) – 2**

<b>Proposed Action:</b>	Develop a program of public awareness to identify safe sheltering locations when pre-disaster imminent danger warnings, such as sirens, provide time to relocate and to identify temporary sheltering locations for those who have lost their homes or are unable to return to their homes due to a disaster. Ensure disaster relief provisions are available for those locations to include water, food, blankets, sanitary facilities, cots, etc.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of San Angelo
<b>History of Damages:</b>	The City does have some shelters located throughout the City, but they would not be adequate for a major disaster where large numbers of citizens had to be relocated.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Multiple Hazards
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	To be determined
<b>Potential Funding Sources:</b>	General funds, grants
<b>Lead Agency/Department Responsible:</b>	City of San Angelo
<b>Target Completion Date:</b>	FY 2006

<b>2011 Analysis:</b>
Ongoing project.

Previous Actions

**City of San Angelo (Past Action) – 3**

<b>Proposed Action:</b>	Annually, exercise the roles of city employees who are assigned specific tasks in the event of an emergency. Ensure appropriate personnel are properly trained and receive necessary continuing education including permit inspectors, EOC personnel, and EM personnel. Involve outlying communities, such as Grape Creek, Water Valley, Christoval, etc., in exercises.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of San Angelo
<b>History of Damages:</b>	Traditionally, the city exercises involve city resources and city personnel. Occasionally, multi-organizational exercises are conducted with GAFB.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Multiple Hazards
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	To be determined
<b>Potential Funding Sources:</b>	General funds, grants, inter-jurisdictional assistance
<b>Lead Agency/Department Responsible:</b>	City of San Angelo
<b>Target Completion Date:</b>	FY 2006

<b>2011 Analysis:</b>
Has an EOC and runs practice routes to prepare for an emergency.

Previous Actions

**City of San Angelo (Past Action) – 4**

<b>Proposed Action:</b>	Provide proper design criteria for private residence safe rooms and offer incentives for construction, such as waving permit fees and property value exclusions for safe room square footage.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of San Angelo
<b>History of Damages:</b>	There are a large number of older wood frame homes in the City of San Angelo which may not withstand the force of a tornado or extremely high winds.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Multiple Hazards
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	To be determined
<b>Potential Funding Sources:</b>	General funds, grants
<b>Lead Agency/Department Responsible:</b>	City of San Angelo
<b>Target Completion Date:</b>	FY 2007

<b>2011 Analysis:</b>
Not completed, rollover.

Previous Actions

<b>City of San Angelo (Past Action)-5</b>	
<b>Proposed Action:</b>	Gain access to video and audio presentations used on the city channel and local television and radio stations to provide information on disaster planning, preparation, mitigation, and recovery to include prevention of wildfires and urban interface of fire dangers, debris management of dead or stress trees, and water conservation including the use of indigenous plants, erosion control, sprinkler systems, rain water capture, and alternative gardening techniques. Also consider developing a landscape ordinance limiting square footage for planting and requiring drainage from paved areas.
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City of San Angelo
<b>History of Damages:</b>	The city's television channel is not being used to its fullest potential. Professional designed and developed video and audio presentations will be more effective.

<b>MITIGATION ACTION DETAILS</b>	
<b>Primary Hazard Addressed:</b>	Multiple Hazards
<b>Priority (High, Moderate, Low):</b>	Moderate
<b>Estimated Cost:</b>	To be determined
<b>Potential Funding Sources:</b>	General funds, grants, permit fees
<b>Lead Agency/Department Responsible:</b>	City of San Angelo
<b>Target Completion Date:</b>	FY 2007

<b>2011 Analysis:</b>
Completed, the public information office has taken over this project.