

## City of College Station (Brazos County)

**ACTION:** Obtain certification by the National Weather Service as a "Storm Ready" community.

<b><i>Hazard</i></b>	Weather-related hazards
<b><i>Background</i></b>	By designating them as "Storm Ready," the National Weather Service recognizes local communities that have demonstrated a strong commitment to putting the infrastructure and systems in place that will save lives and protect property in the event of a severe weather event.  "Storm Ready" communities are better prepared and will help serve their citizens when help is needed the most. StormReady communities are better prepared to save lives from the onslaught of severe weather through better planning, education, and awareness. No community is storm proof, but StormReady can help communities save lives.
<b><i>Benefits</i></b>	StormReady helps arm communities with the communication and safety skills needed to save lives and property– before and during the event. StormReady helps community leaders and emergency managers strengthen local safety programs.
<b><i>Priority</i></b>	Very high
<b><i>Estimated cost</i></b>	\$500
<b><i>Responsible organization</i></b>	Emergency Management
<b><i>Target completion date</i></b>	End of Fiscal Year 2004
<b><i>Funding sources</i></b>	General revenues
<b><i>Related objective(s)</i></b>	4.1, 5.3, 6.2, 6.3





## City of College Station (Brazos County)

- ACTION:**
- Maintain incident response capabilities.
  - Enhance an area-wide telephone Emergency Notification System ("Reverse 911" and/or low-power emergency AM radio system).
  - Provide cooperative training opportunities for all hazmat team members from department and automatic aid/mutual aid agencies.

<b><i>Hazard</i></b>	Hazardous materials toxic release
<b><i>Background</i></b>	There is a need to obtain accurate knowledge/information on hazard potential; ensure current/accurate emergency contact information available; educate/prepare citizens for incident; and, enhance emergency notification capabilities
<b><i>Benefits</i></b>	Identify higher life-risk areas Better prepare public for incident Ensure response capability Rapid, accurate notification of public in times of emergency
<b><i>Priority</i></b>	High
<b><i>Estimated cost</i></b>	\$100,000
<b><i>Responsible organization</i></b>	Fire Department, Emergency Management, Police Department
<b><i>Target completion date</i></b>	2005
<b><i>Funding sources</i></b>	General revenues
<b><i>Related objective(s)</i></b>	1.1, 2.1, 4.1, 4.3

## City of College Station (Brazos County)

- ACTION:**
- Identify/verify all pipelines running through the community.
  - Educate citizens in proper emergency actions.
  - Monitor condition/maintenance of pipelines.
  - Maintain accurate emergency contact information.
  - Maintain incident response capabilities.

***Hazard*** Energy pipeline failures



**Background** Obtain accurate knowledge and information on pipeline hazard potential. Ensure current and accurate emergency contact information is available. Educate citizens about the risk and preparedness actions. Develop alternative evacuation routes/plans and designate emergency thoroughfares, particularly in areas with limited access/capacity. Provide cooperative training opportunities for all hazmat team members from department and automatic aid/mutual aid agencies.

**Benefits** Identify high risk areas, prevent accidental failure, and improve preparedness.

**Priority** High

**Estimated cost** \$500

**Responsible organization** Fire Department, Emergency Management / LEPC

**Target completion date** 2005

**Funding sources** General revenues

**Related objective(s)** 2.2, 4.2

## City of College Station (Brazos County)

**ACTION:** Offer tree pruning education classes to reduce debris caused by limbs.

**Hazard** Winter storms

**Background** The parks department will conduct a yearly workshop for the citizens of College Station in tree pruning. Currently the Parks Department offers this to private business and organizations.

**Benefits** Proactive mitigation by the citizens of College Station will prevent ice and snow buildup on trees resulting in fallen limbs. This will also prevent the possibility of trees falling into power lines and onto the roadways.

**Priority** Medium

**Estimated cost** \$500

**Responsible organization** Parks and Recreation

**Target completion date** 2005

**Funding sources** General revenues

**Related objective(s)** 2.1, 2.3, 6.3



## City of College Station (Brazos County)

**ACTION:** Conduct a study to determine requirements to harden critical facilities and install vehicle barrier systems.

**Hazard** Terrorism

**Background** With the tragedies of September 11th in New York City and Washington DC, America, more now than ever realizes that we are subject to terrorism not only in larger cities but across the nation.

**Benefits** Identification of potential targets and points of vulnerability within the community will enable emergency response personnel to prepare appropriate response plans and potentially strengthen points of weakness.

**Priority** High

**Estimated cost** \$50,000

**Responsible organization** Office of Emergency Management

**Target completion date** 2005

**Funding sources** General revenues and grants

**Related objective(s)** 1.5, 3.3, 5.1

## City of College Station (Brazos County)

**ACTION:** Increase public awareness of the effects of hail and mitigation activities that can lessen damage.

**Hazard** Hail

**Background** Hail has caused 125 injuries and \$325.2 million dollars of property damage in the United States in 2002.

**Benefits** Public safety

**Priority** Medium

**Estimated cost** \$500

**Responsible organization** Emergency Management

**Target completion date** 2005

**Funding sources** General revenues

**Related objective(s)** 2.2, 2.3



## City of College Station (Brazos County)

**ACTION:** Make available specialized training for public safety personnel and other local government employees. This could include detailed incident command training that would address the specific roles and responsibilities of operations, planning, logistics, and finance. Conduct training to address proper response to weapons of mass destruction, hazardous materials identification and decontamination practices, and enhanced intelligence capability.

**Hazard** Terrorism

**Background** With the tragedies of September 11th in New York City and Washington DC, America, more now than ever realizes that we are subject to terrorism not only in larger cities but across the nation.

**Benefits** Advanced training to respond to an act of terrorism will enable first responders and support personnel to appropriately respond and handle such catastrophic and often complex events.

**Priority** High

**Estimated cost** \$5,000

**Responsible organization** Office of Emergency Management

**Target completion date** 2005

**Funding sources** General revenues and grants

**Related objective(s)** 1.1

## City of College Station (Brazos County)

**ACTION:** Create a speaker's bureau for disaster-related topics that focus on mitigation, preparedness, and response.

**Hazard** All hazards

**Background** The City of College Station currently conducts briefings on an invitational basis. This action would establish a monthly meeting open to the public to educate the citizens on preparedness issues.

**Benefits** Public education and safety

**Priority** High

**Estimated cost** \$500

**Responsible organization** Emergency Management



**Target completion date** End of Fiscal Year 2005  
**Funding sources** General revenues  
**Related objective(s)** 1.1, 2.2, 2.3, 3.2

### City of College Station (Brazos County)

**ACTION:** Identify requirements to strengthen redundancy in critical emergency response systems that will reduce the spread of damages.

**Hazard** Terrorism  
**Background** With the tragedies of September 11th in New York City and Washington DC, America, more now than ever realizes that we are subject to terrorism not only in larger cities but across the nation.  
**Benefits** Review and assess where electrical systems may be backed up by alternate power systems such as generators, communication systems by alternate sight support (phone and radio). By doing so, any effort to hinder public safety response to a critical event will be minimized.  
**Priority** High  
**Estimated cost** Minimal costs for research  
**Responsible organization** Emergency Management, Office of Technology and Information Systems and Police  
**Target completion date** 2005  
**Funding sources** N/A  
**Related objective(s)** 1.5, 5.1

### City of College Station (Brazos County)

**ACTION:** Purchase flood-prone properties to remove structures subject to chronic flooding and to facilitate stream restoration project in the Wolf Pen Creek basin.

**Hazard** Flood  
**Background** Apartment buildings located at 306 Redmond in College Station are located inside the 100-year flood plain. The ground floor units are not occupied due to previous flood damage. A stream restoration study conducted by HDR for the City of College Station recommends that these units be removed and that stream improvements be made to reduce erosion, protect adjacent properties and improve water quality.



**Benefits** The community benefits by removing these structures from a flood prone area thereby reducing claims for flood damage. In addition, the remaining structures can be removed from the 100-year flood plain through stream restoration efforts. Additional benefits include reduced erosion and improved water quality.

**Priority** High

**Estimated cost** \$2,000,000

**Responsible organization** City of College Station

**Target completion date** 2006

**Funding sources** Drainage Utility funds, grants

**Related objective(s)** 4.1, 5.3, 6.3

### City of College Station (Brazos County)

**ACTION:**

- Establish Hazardous Cargo route around/through community.
- Maintain incident response capabilities.
- Develop alternative evacuation routes/plans and designate emergency thoroughfares, particularly in areas with limited access/capacity.

**Hazard** Hazardous materials releases

**Background** Hazardous cargo shipments transit the city, which would like to limit amount/shipments of hazardous materials within the community and to limit effects of incident to community and citizens.

**Benefits** Prevent/lessen chances of incident within the community and limit contamination of property and exposure of citizens.

**Priority** High

**Estimated cost** \$30,000

**Responsible organization** Fire Department, Emergency Management, Police Department

**Target completion date** Hazardous materials route - 5-7 years  
Response capabilities - ongoing  
Emergency notification - 2 years

**Funding sources** General revenues and grants

**Related objective(s)** 1.5, 3.3, 4.2, 5.1



## City of College Station (Brazos County)

**ACTION:** Conduct simulated disaster exercises periodically to test plans and improve capabilities.

**Hazard** Terrorism

**Background** With the tragedies of September 11th in New York City and Washington DC, America, more now than ever realizes that we are subject to terrorism not only in larger cities but across the nation.

**Benefits** Participation in simulated exercises that involve the act of terrorism will enable first responders and support personnel to work through such events and learn how to most appropriately respond and handle such catastrophic and often complex situations.

**Priority** High

**Estimated cost** \$10,000

**Responsible organization** Office of Emergency Management

**Target completion date** 2006

**Funding sources** General revenues and grants

**Related objective(s)** 1.1



## City of College Station (Brazos County)

**ACTION:** Educate and purchase NOAA weather radios for the citizens of College Station.

<b><i>Hazard</i></b>	Thunderstorms
<b><i>Background</i></b>	NOAA Weather Radio is a nationwide network of radio stations broadcasting continuous weather information direct from a nearby National Weather Service office. These stations broadcast National Weather Service warnings, as well as post-event information for all types of hazards, both natural and man-made. NOAA Weather Radios are a single source for the most comprehensive weather and emergency information available to the public. However, 66% of the citizens in College Station that responded to the 2004 Hazard Survey do not own a NOAA weather radio.
<b><i>Benefits</i></b>	Establishes early warning to the public for all hazards in an emergency. Citizens do not have to rely solely on the media for information. In the event of a power outage the radios have a battery backup.
<b><i>Priority</i></b>	High
<b><i>Estimated cost</i></b>	\$5000 per year
<b><i>Responsible organization</i></b>	Emergency Management
<b><i>Target completion date</i></b>	Ongoing
<b><i>Funding sources</i></b>	General revenues, grants
<b><i>Related objective(s)</i></b>	1.5, 2.1



## City of College Station (Brazos County)

- ACTION:**
- Maintain/enhance public education programs regarding fire dangers for identified risk areas and population groups.
  - Enhance fire hydrant maintenance program.
  - Provide adequate/required staffing levels.
  - Provide optimum resource distribution.
  - Provide cooperative training opportunities for department and automatic/mutual aid personnel.

<b>Hazard</b>	Urban fires and wildfires
<b>Background</b>	Provide assistance to citizens within accepted response standards Comply with mandates from federal/state regulatory agencies Ensure department and automatic/mutual aid personnel participate in cooperative training
<b>Benefits</b>	Help ensure that citizens receive emergency assistance in a timely manner within accepted response standards; minimize impact of urban or wildfire on community; and better utilize available resources.
<b>Priority</b>	High
<b>Estimated cost</b>	To be determined
<b>Responsible organization</b>	Fire department
<b>Target completion date</b>	Ongoing
<b>Funding sources</b>	General revenues
<b>Related objective(s)</b>	1.1, 1.2, 1.5, 2.3, 5.1

## City of College Station (Brazos County)

- ACTION:** Improve outdated Emergency Operations Center technological capabilities for monitoring, recording, and responding to disasters.

<b>Hazard</b>	All hazards, including weather-related
<b>Background</b>	Emergency Operations Center requires weather monitoring equipment for the StormReady program by the NWS.
<b>Benefits</b>	Public safety
<b>Priority</b>	Very high
<b>Estimated cost</b>	\$14,000 (EMWIN)
<b>Responsible organization</b>	Emergency Management



**Target completion date** Dependant on availability of grant funds  
**Funding sources** Grant and general revenues  
**Related objective(s)** 1.5, 4.1

## City of College Station (Brazos County)

**ACTION:** Implement a water conservation program.

**Hazard** Drought; stress on water system  
**Background** The City of College Station provides drinking water and fire protection to approximately 77,000 residents. The city enacted a series of measures to increase water production capacity and water system reliability in peak demand periods. These measures include adding a sixth well, upgrading the main pump station, and installing a second water transmission line.

In 1998 and 2000, record heat and water demand placed extreme pressure on the water system. Outdoor water use in College Station typically doubles in summer months, indicating a potential for water savings through education and incentives.

In order to reduce peak demand and year-round water usage, ongoing water conservation education and incentives are needed. These incentives can include rebates on efficient plumbing fixtures and irrigation systems, and water conservation school curriculums.

**Benefits** Reducing average daily and peak water demand will postpone additional capital investments in the water system. Making maximum efficient use of limited resources shows the City's commitment to environmental conservation and high level of customer service.

**Priority** Medium  
**Estimated cost** \$60,000  
**Responsible organization** College Station Utilities - Water/Wastewater Division  
**Target completion date** 2 years after funding implemented  
**Funding sources** General revenues and grants  
**Related objective(s)** 2.1, 2.3, 6.3



## City of College Station (Brazos County)

- ACTION:**
- Create a hurricane hazard information center.
  - Continue to train city personal and volunteers for mass shelter operations.
  - Continue to recruit and certify shelter facilities.

<i>Hazard</i>	Hurricane
<i>Background</i>	The City of College Station is a host city for the Texas Gulf Coast for hurricane evacuation.
<i>Benefits</i>	To promote public safety and education in an emergency for the displaced citizens of the Texas Gulf Coast.
<i>Priority</i>	Medium
<i>Estimated cost</i>	\$25,000
<i>Responsible organization</i>	Emergency Management
<i>Target completion date</i>	1 year after receiving grant
<i>Funding sources</i>	Grant
<i>Related objective(s)</i>	1.1, 1.5, 4.1

## City of College Station (Brazos County)

- ACTION:** Conduct a study to determine the potential effects of a dam failure in the College Station area.

<i>Hazard</i>	Dam failure
<i>Background</i>	The City of College Station has not recorded an incident of dam failure in the past.
<i>Benefits</i>	Knowledge of the effects of known dam locations will help the City of College Station plan and prepare.
<i>Priority</i>	Low
<i>Estimated cost</i>	\$25,000
<i>Responsible organization</i>	Emergency Management
<i>Target completion date</i>	1 year after grant
<i>Funding sources</i>	Grant
<i>Related objective(s)</i>	5.1, 6.3



## City of College Station (Brazos County)

**ACTION:** Conduct a joint study with the BVCOG to determine fault lines and effects of an earthquake in the College Station area.

<b><i>Hazard</i></b>	Earthquakes
<b><i>Background</i></b>	The City of College Station has not recorded an earthquake in the past.
<b><i>Benefits</i></b>	Location of fault lines and effects will help the City of College Station plan and prepare for an earthquake.
<b><i>Priority</i></b>	Low
<b><i>Estimated cost</i></b>	\$25,000
<b><i>Responsible organization</i></b>	Emergency Management
<b><i>Target completion date</i></b>	1 year after grant
<b><i>Funding sources</i></b>	Grant
<b><i>Related objective(s)</i></b>	1.1, 1.3