

# Appendix D: Status of Prior Plan's Mitigation Measures

## *Unincorporated*

<i>Priority</i>	<i>Category</i>	<i>Measure</i>	<i>Current Status (Complete, Ongoing, In Progress, Not yet begun, Modified, Dropped)</i>
1	Wildfires	Implement red cedar eradication program (NRCS to assist).	No action
2	Floods	Acquire floodplain properties where acquisition is the most cost-effective mitigation measure.	No action
3	HazMat Events	Develop a plan for responding to hazardous materials incidents on major transportation routes through the community.	Each jurisdiction with a fire department has their own response procedures
4	Winter Storms	Develop a contingency plan for responding to a massive power outage due to severe storms.	Power companies has their own response plan
5	General	Establish working partnerships involving local government leaders, civic, business, and volunteer groups to create a safer community.	YES
6	Wildfires	Consider County funds toward fire departments that provide fire protection to unincorporated areas of the county including installation of fire hydrants at each section corner where water exists.	No, its by far cheaper to shuttle water with tankers then build lines
7	General	Develop a community debris management plan.	Yes, Were working at that after last years tornado
8	General	Install an emergency communications network for fire, police, 911, EMT and other emergency operations.	Yes, We are been working on a interoperability plan
9	HazMat Events	Institute a county-wide public awareness and collection program for household pollutants, illustrating their dangers and identifying disposal information through media, schools, public offices, police, and fire stations.	No action
10	General	Evaluate and upgrade warning systems.	Yes Blackboard Connect

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11	General	Provide Certified Disaster Training for City employees, and coordinate efforts with local CERT Teams.	Yes Key Personnel are (NIMS) National Incident Management Systems Certified
12	Floods	Acquire accurate or verify accuracy of existing flood plain maps.	Yes
13	Floods	Inventory inadequate bridges.	Yes, each district knows which bridge need to be replaced and the priority for replacement.
14	Lightning	Provide surge protection for computer-reliant critical facilities (e.g. 911 Center, EOC, police sub-stations, fire stations, etc.).	Yes
15	HazMat Events	Provide public awareness programs relative to dumping household chemicals and automotive fluids into the sanitary sewer drain.	No action
16	HazMat Events	Initiate/continue a county-wide household pollutant collection program, and build a year-round collection site.	No action
17	Floods	Educate the public on the different hazards that multi-sound warning sirens signify (e.g., tornado warning vs. flash-flood warning).	Yes, we do educate the public on turn-around and don't drowned
18	Tornadoes & HW	Investigate a voluntary pilot program for mobile home communities to provide a storm shelter / safe-room for residents.	Yes, support legislation for mobile home parks to have community storm shelter
19	Tornadoes & HW	Investigate community tornado shelter programs implemented in other cities or states.	No action
20	Tornadoes & HW	Review and update the debris management plan.	Yes, we are working at developing a debris management program
21	General	Develop public information and education plans for responding to natural hazards and hazardous material events.	Yes, we formed a Local Emergency Planning Committee That meets quarterly
22	General	Record GPS locations of private water wells and underground storm shelters (to rescue potentially trapped storm victims).	Yes, we have started a shelter list and encourage people to register their shelter
23	Tornadoes & HW	Install safe-rooms in daycare centers.	No action
24	Lightning	Educate the community about proper lightning safety through public service announcements and other media outlets.	Yes, LEPC has developed a all hazard booklet for family safety
25	Winter Storms	Provide for routine trimming of trees to reduce power outages during storms.	Yes, power companies have been very active throughout the county
26	Drought	Develop secondary water supply system.	No action

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27	Urban Fires	Continue education and get funding to inform people on proper evacuation plans for city buildings, offices, and homes.	Yes, LEPC has developed an all hazard booklet for family planning
28	Wildfires	Train and coordinate community fire, police, and public works on how to respond to a wildfire emergency.	Yes, we have developed a county wide taskforce for wild land fires
29	Wildfires	Develop a countywide fire response plan to facilitate the provisioning of water to fire departments during large fires.	Yes, when forming a taskforce 2 water tankers are deployed for support
30	HazMat Events	Update the study for routing of hazardous materials through the community.	No, but are considering a grant through our LEPC to develop a study and plan
31	General	Teach community employees the symptoms of common, life-threatening emergencies and how to administer CPR and first aid.	Yes, as part of our safety program county employees receive first aid and CPR training annually.
32	Tornadoes & HW	Inspect community schools for tornado and high wind vulnerability.	Yes, I have recently worked with Mustang Schools asses new campus facilities for safe locations.
33	Tornadoes & HW	Install safe-rooms in schools.	Yes, Several schools throughout the county has taken advantage of FEMA grants to install Safe Rooms.
34	Tornadoes & HW	Supply NOAA Weather Radio to all local government buildings, schools, hospitals, and critical facilities.	Yes, the national weather service has supplied each school with a weather radio
35	Tornadoes & HW	Consider painting street names and house numbers on curbs for identifying addresses when landmarks are absent.	No action
36	Hail Storms	Institute public information program for residents informing them of the advantages and costs of hail-resistant roofing.	No action
37	Winter Storms	Provide public awareness on effective ways to monitor and avoid ice damage, frozen pipes, and snow loads on roof systems.	No action
38	Winter Storms	Update the debris management plan.	Yes, See Item 20
39	Urban Fires	Develop a public education program to explain the advantages of individual fire suppression in homes, including fire extinguishers.	Yes, Local fire department have public education on fire safety programs such as smoke detectors And in home fire extinguishers

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40	Urban Fires	Make sure fire extinguishers are strategically placed and properly maintained in all community facilities.	Yes, OSHA/POSHA requires Fire Extinguishers to be inspected monthly and checked annually in all businesses and public buildings.
41	Urban Fires	Replace inadequately sized water lines with lines of sufficient size to provide adequate fire protection.	Yes, most jurisdiction routinely replace lines as needed for area fire load to obtain a lower insurance rating or the jurisdiction
42	Wildfires	Develop a fire emergency plan that assures access by fire vehicles to all areas included in the rural/urban interface fire danger area.	Yes, each jurisdiction or fire district preplans their district for travel routes and entry points
43	Wildfires	Develop a contingency plan for evacuating population endangered by a wildfire.	Mostly done on the fly depending on the fire location and direction that the fire is moving.
44	General	Update GIS database to include public utility infrastructure.	Yes, overlays are developed
45	General	Develop daytime population maps for the community.	No action
46	General	Identify citizens who can serve as translators.	No action
47	Tornadoes & HW	Develop public awareness programs and provide materials and mitigation measures that protect a building's roof, all outside openings, and the building envelope.	No action
48	Tornadoes & HW	Install safe-rooms in fire and police stations to protect first responders.	Yes, as new facilities are being built safe rooms are included,
49	Lightning	Study other communities that have lightning warning systems intact.	No action
50	Lightning	Provide lightning prevention information materials and programs through local power utility.	No action
51	Extreme Heat	Educate community employees on the symptoms of heat disorders and how to administer first aid.	Yes, See Item 31
52	Extreme Heat	Identify the vulnerable population and individuals at risk from extreme heat.	No action
53	Expansive Soils	Develop and implement a public and builder awareness plan of the dangers and impact to buildings from expansive soils.	No action
54	Expansive Soils	Investigate codes/incentives for the construction of new foundations to mitigate expansive soil damage.	No action

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55	HazMat Events	Provide public awareness about household pollutants, their danger, and disposal information through media, schools, public offices, police, and fire stations.	No action
56	HazMat Events	Label sanitary sewer drains to warn citizens against dumping chemicals and automotive fluids into the sanitary sewer drain.	No action
57	General	Provide backup facilities for the 911 Center and the Emergency Operations Center.	Yes, if a 911 center goes down the calls are re-directed to another PSAP and this is done automatically. A County wide EOC can be established within any jurisdiction providing they have a equipped facility, we have 4 in Canadian County
58	General	Translate public information to other languages.	No action
59	Floods	Evaluate appropriate mitigation measures for homes located in the floodplain.	Yes, Through our Flood Plains Program
60	Floods	Construct adequate bridges to survive 100-year regulatory flood without overtopping.	Yes, most every new bridge is constructed larger to handle more water flow
61	Lightning	Designate individuals at city recreation facilities who are educated in storm spotting and who have the authority to take proper action.	No action
62	Winter Storms	Reduce the number of overhead power lines through consolidating existing lines and burying new lines underground.	Yes, with most all new construction the service power lines are buried
63	Extreme Heat	Develop a Heat Emergency Action Plan for the community.	Yes, we can notify the public through our emergency notification system to educate the public on the conditions.
64	Wildfires	Provide public education on controlled burns and use of fire-retardant vegetation.	Yes, Local fire districts inspect control burn request and educate the public of their responsibilities
65	Earthquakes	Provide public and builder awareness that construction techniques for mitigating tornado damage also mitigate earthquake damage.	No action
66	HazMat Events	Develop and reinforce hazardous materials event equipment and response teams.	Yes, local fire jurisdictions have developed response plans and procedures when responding to hazardous material incidents. LEPC funding is available to for training of response personnel

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67	Dam Failure	Develop warning and evacuation plans for areas at risk from dam failure or large release flooding.	Yes, plans are developed by local developers, NRCS/OSU and the Army Corp of Engineers
68	General	Develop a "Helping Your Neighbors" program through the school system to encourage children to think of people who need special assistance during severe weather.	No action
69	General	Investigate making educational materials for all hazards standardized, readily available off-the-shelf, and economical.	Yes, The Canadian County LEPC has developed and printed an all hazard booklet free of charge to the public
70	Floods	Develop land-use ordinances to prevent construction in flood-prone locations.	Yes, Canadian County has a flood plain administrator and flood plain board that meets monthly
71	Floods	Implement structural and non-structural flood mitigation measures for flood-prone properties.	Yes, the flood plain administrator oversees the requests and permitting when approved by the flood plain board
72	Tornadoes & HW	Educate the public about construction methods designed for overall structural resistance to tornadoes and high winds.	No action
73	Tornadoes & HW	When replaced, install break-resistant glass in county offices and critical facilities.	No action
74	Tornadoes & HW	Install community safe-rooms / storm shelters.	Yes, some schools will open their safe rooms for the public in some cases. Individual safe room program was completed in 2006 and plans for another program will be started in 2012.
75	Tornadoes & HW	Prepare weather-warning systems for interstate travelers, such as traveler message boards and proper education for travelers.	No, ODOT has control of sign placement and message boards on state highways
76	Lightning	Install lightning rods for protection of Critical Facilities.	No action
77	Extreme Heat	Install window air conditioners for elderly shut-ins (for whom extreme heat can be a life-threatening hazard).	No action
78	Drought	Provide public awareness designed to communicate the potential severity of a drought and the appropriate public response.	Yes, Blackboard Connect, County wide Emergency Notification System
79	Urban Fires	Apply for mitigation funding for fire hydrant meter backflow preventers.	No action

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80	Wildfires	Develop a warning plan based on drought conditions and moisture measurements to alert officials of increased risk of wildfire.	Yes, this is accomplished by county commissioners with a county burn ban based on weather conditions and moisture measurements as provided by the national weather service
81	Wildfires	Investigate and raise public awareness of fire-resistant materials for buildings.	No action
82	Dam Failure	Install flood level monitoring equipment (e.g., stream gauges) in local streams and rivers.	Yes, monitors have been installed on the North and South Canadian Rivers
83	General	Provide emergency equipment for City Emergency Teams.	Yes, the County equipment has been used to clear emergency travel routes and to assist local jurisdictions in fighting wild land fires
84	General	Provide security and surveillance equipment for police and fire stations.	Yes, has been installed at the Sheriff's Department, Courthouse, Judicial Building, and OKC West Stockyards
85	General	Contact agencies that distribute information to at-risk communities (e.g., elderly, infirm, impoverished, outside workers).	No action
86	Floods	Obtain elevation certificates for homes located in the floodplain.	Yes, Flood Plain Administrator has assisted the public to apply for elevation Certificates and LOMA'S
87	Floods	Construct regional detention ponds to offset impact of future urban development.	No action
88	Floods	Continually update basin-wide master drainage plans where changed conditions warrant.	No, The county does not have a master drainage plan
89	Tornadoes & HW	Research construction methods for mitigating wind damage, specifically giving top priority to protecting the roof system.	Yes, we have researched and provided the public with free information
90	Tornadoes & HW	Investigate adopting building codes / incentives leading to construction that is more resistant to tornadoes and high winds.	No action
91	Lightning	Provide educational demonstrations and information on whole-house surge protection technology.	No action
92	Winter Storms	Upgrade communities' equipment and vehicles for combating ice storm damage/adverse impact to public infrastructure.	Yes, Both the county and local jurisdictions have purchased new equipment to assist with snow and ice removal within the last five years

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93	Extreme Heat	Obtain funding for providing public awareness materials to vulnerable populations through participating community agencies.	Yes, Local Emergency Planning Committee (LEPC) has received grant funding for the printing awareness material.
94	Drought	Develop and implement plans to identify when a drought begins and ends.	National Weather service is our source of information
95	Expansive Soils	Identify and repair Critical Facilities that show, or indicate damage from expansive soils.	No action
96	Urban Fires	Implement a fire suppression system for City Hall.	No action
97	Earthquakes	Consider more stringent building codes that require all steel construction for public buildings and critical facilities.	No action
98	HazMat Events	Distribute information identifying hazardous materials to at-risk citizens (e.g., elderly, infirm, poor, and outside workers).	Yes, LEPC has developed and printed brochures and booklets to be distributed to the public.
99	HazMat Events	Coordinate efforts with agencies that distribute information to at-risk populations (e.g., elderly, infirm, poor, and outside workers).	Yes, printed brochures and booklets have been distributed to local governments to be given to their citizens.
100	Dam Failure	Develop computerized GIS modeling program for mapping appropriate cubic feet per second (CFS) dam release rates.	No action
101	Tornadoes & HW	Provide safe-room rebates for especially-vulnerable populations (e.g., elderly, infirm, impoverished).	Yes, we have completed 2 programs 1999 and 2004 and looking to start one in 2012
102	Tornadoes & HW	Insure that community building code requires proper shingle installation.	No action
103	Hail Storms	Provide hail-resistant measures/materials to protect existing public infrastructure improvements.	No action
104	Extreme Heat	Conserve electricity to ensure adequate energy for air-conditioners during extreme heat periods.	No action
105	Urban Fires	Review and evaluate the community fire alarm system.	No action
106	Earthquakes	Provide public information on earthquake insurance.	Yes, through our County LEPC All Hazards Program
107	HazMat Events	Community spring clean-up.	No action
108	Floods	Compensate for the impacts of new bridges and channel improvements.	No action
109	Floods	Identify ways of securing and elevating important equipment inside a building.	No action

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110	Floods	Acquire and remove repetitive loss properties where such activity is the most cost-effective and desirable mitigation measure.	No action
111	Floods	Install an automatic monitoring and warning system for spot flooding.	Yes, installed signs in areas where in low areas where water crosses the roads.
112	Floods	Require elevation certificates for new home construction if located in potential flood zones (elevate pad for construction).	Yes, Flood Plain Administrator assist and reviews certificates for flood plain board approval
113	Tornadoes & HW	Begin a revolving fund for families to build safe rooms.	No action
114	Tornadoes & HW	Tree trimming program to keep trees out of power lines during high wind.	Yes, power companies are very active in cutting trees back out of the right of ways.
115	Lightning	Add lightning warning to the current warning siren system.	No action
116	Lightning	Lightning warning systems around outdoor sports areas - pools, golf courses, ball fields, parks.	Yes, some of the schools have inatalled lighting detection systems at their sports facilities
117	Hail Storms	Provide hail-resistant roofing for community buildings.	No action
118	Winter Storms	Investigate winterizing exposed elements of residential and commercial structures.	No action
119	Winter Storms	Encourage new construction to run power lines underground.	Yes, in most new construction service lines is run underground
120	Extreme Heat	Revolving fund for elderly on limited income to help offset electric bills.	No action
121	Drought	Develop information on drought tolerant grass varieties and zeroscapes.	No action
122	Drought	Develop information on "water mizer" appliances, shower heads, toilets, etc.	No action
123	Expansive Soils	Require foundation piers as part of the building code.	No action
124	Urban Fires	Use City / County money for a fire suppression demonstration project.	No action
125	Urban Fires	Require commercial zoning to use fire proof materials for building	No action
126	Wildfires	Consider creating fire breaks along fence rows to thwart "road jumping."	No action
127	Wildfires	Public awareness regarding red cedar danger.	No action
128	HazMat Events	Implement Blue Thumb program.	No action

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129	Dam Failure	Add breach inundation areas to regulatory floodplain management program.	No action
130	Dam Failure	Annual inspection of all identified dams: shape of spillway, proper opening and closing of gates, etc.	No action

### **Calumet**

<b>Priority</b>	<b>Category</b>	<b>Measure</b>	<b>Current Status (Complete, Ongoing, In Progress, Not yet begun, Modified, Dropped)</b>
1	General	Evaluate and upgrade warning systems.	In progress
2	Urban Fires	Replace inadequately sized water lines with lines of sufficient size to provide adequate fire protection.	Not yet begun
3	Wild Fires	Consider County funds for fire department to update equipment for providing fire protection to unincorporated areas of the county, developing a fire emergency plan that assures access by fire vehicles to all areas included in the rural/urban interface fire danger area and training on responding to wildfire emergencies.	In progress, updated 2 brush pumpers, on-going training
4	Winter Storms	Develop a contingency plan for responding to a massive power outage due to severe winter storms, ice and snow, which provides routine trimming of trees to reduce power outages and upgrading equipment and vehicles for combating ice storm damages and adverse impacts to public infrastructure.	Not yet begun
5	General	Provide emergency equipment for City Emergency Teams including a safe-room in Town Hall and an emergency communications network for fire, police, 911, EMT and other emergency operations.	On-going, remodel of fire station and city hall
6	Tornadoes & High Winds	Install safe-rooms in schools.	Not yet begun
7	HazMat Events	Develop a plan for responding to hazardous materials incidents on major transportation routes through the community.	On-going
8	Drought	Develop secondary water supply system.	On-going, old water plant available

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9	Flooding	Acquire accurate or verify accuracy of existing flood plain maps and develop warning and evacuation plans for areas at risk from dam failure or large release flooding.	On-going
10	General	Develop and distribute public information and education plans for responding to natural hazards and hazardous material events to at-risk populations and contact agencies that distribute information to at-risk communities (e.g., elderly, infirm, impoverished, outside workers) for selected natural and manmade hazards.	On-going. Started literature library for the public community at city hall.
11	General	Update GIS database to include public utility infrastructure.	Complete
12	General	Develop a community debris management plan.	Not yet begun
13	Floods	Construct regional detention ponds to offset impact of future urban development.	Not yet begun
14	Floods	Construct adequate bridges to survive 100-year regulatory flood without overtopping.	Dropped
15	Floods	Acquire and remove repetitive loss properties where such activity is the most cost-effective and desirable mitigation measure.	Not yet begun
16	Tornadoes & High Winds	When replaced, install break-resistant glass in county offices and critical facilities.	Not yet begun
17	Tornadoes & High Winds	Investigate community tornado shelter programs implemented in other cities or states.	On-going
18	Tornadoes & High Winds	Provide safe-room rebates for especially-vulnerable populations (e.g., elderly, infirm, impoverished).	Rebates available through State
19	Tornadoes & High Winds	Tree trimming program to keep trees out of power lines during high wind	On-going
20	Lightning	Designate individuals at city recreation facilities who are educated in storm spotting and who have the authority to take proper action.	On-going
21	Hail Storms	Provide hail-resistant roofing for community buildings.	Not yet begun
22	Winter Storms	Investigate winterizing exposed elements of residential and commercial structures.	Not yet started
23	Winter Storms	Update the debris management plan.	On-going

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24	Winter Storms	Provide emergency equipment for City Emergency Teams.	On-going
25	Extreme Heat	Obtain funding for providing public awareness materials to vulnerable populations through participating community agencies.	On-going
26	Urban Fires	Develop a public education program to explain the advantages of individual fire suppression in homes, including fire extinguishers.	In Progress
27	Urban Fires	Make sure fire extinguishers are strategically placed and properly maintained in all community facilities.	Complete
28	Urban Fires	Review and evaluate the community fire alarm system.	In Progress
29	Wildfires	Implement red cedar eradication program (NRCS to assist)	Dropped
30	Wildfires	Install fire hydrants at each section corner where water exists.	On-going
31	HazMat Events	Develop and reinforce hazardous materials event equipment and response teams.	In Progress
32	HazMat Events	Initiate/continue a city-wide household pollutant collection program, and build a year-round collection site.	In Progress
33	HazMat Events	Community spring clean-up	Complete
34	Dam Failure	Annual inspection of all identified dams: shape of spillway, proper opening and closing of gates, etc.	Dropped

### **El Reno**

<b>Priority</b>	<b>Category</b>	<b>Measure</b>	<b>Current Status (Complete, Ongoing, In Progress, Not yet begun, Modified, Dropped)</b>
1	General	Provide backup facilities for the 911 Center and the Emergency Operations Center.	Complete
2	Hail Storms	Provide hail resistant roofing for community buildings.	Not Yet Begun
3	Winter Storms	Reduce the number of overhead power lines through moving existing lines and building new lines below ground.	Ongoing
4	Tornadoes and High Winds	Provide safe rooms in fire and police stations to protect first responders.	Complete

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5	<i>Tornadoes and High Winds</i>	<i>Provide safe rooms at schools.</i>	<i>Ongoing</i>
6	<i>Winter Storms</i>	<i>Provide for routine trimming of trees to reduce power outages during storms.</i>	<i>Ongoing</i>
7	<i>General</i>	<i>Construct regional detention ponds to compensate future urban development.</i>	<i>Ongoing</i>
8	<i>General</i>	<i>Supply NOAA Weather Radio to all local government buildings, schools, hospitals, and critical facilities (cost of NOAA Weather Radio: less than \$50).</i>	<i>Not Yet Begun</i>
9	<i>Lightning</i>	<i>Provide surge protection for computer-reliant critical facilities, e.g. 911 Center, Emergency Operations</i>	<i>Complete</i>
10	<i>General</i>	<i>Examine optimum methods of implementing public information and education objectives concerning tornadoes, high winds, lightning, winter storms, extreme heat, fire, hazardous material events, expansive soils, and wise use of water resources.</i>	<i>Ongoing</i>
11	<i>General</i>	<i>Execute daytime population maps for the community.</i>	<i>Not Yet Begun</i>
12	<i>General</i>	<i>Identify people in the community who can serve as translators.</i>	<i>Not Yet Begun</i>
13	<i>Tornadoes and High Winds</i>	<i>Identify and develop public information and education programs and provide materials (e.g., hurricane clips) and mitigation measures that protect a building's roof, all outside openings, and the building envelope. Also research ways to improve quality of construction related to wind resistance. Top priority should be given to protection of the roof system, typically the most vulnerable and most expensive component to replace.</i>	<i>Ongoing</i>
14	<i>Hail Storms</i>	<i>Institute public information program for residents informing them of the advantages and costs of hail</i>	<i>Not Yet Begun</i>
15	<i>Winter Storms</i>	<i>Upgrade communities' equipment and vehicles for combating ice storm damage/adverse conditions to public infrastructure.</i>	<i>Ongoing</i>
16	<i>Winter Storms</i>	<i>Update the debris management plan.</i>	<i>Complete</i>

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17	Hazardous Materials Events	Identify most common household pollutants and make hazard and disposal information available to local populous through media, schools, public offices, police, and fire stations.	Ongoing W/ Oema
18	General	Inventory inadequate bridges.	Ongoing
19	General	Sponsor a "Helping Your Neighbors" program through the school system to encourage children to think of people who require special assistance such as elders, infants, and people with disabilities during dangerous weather conditions such as severe winter storms and extreme heat.	Not Yet Begun
20	General	Investigate making educational materials for all hazards standardized, readily available off the shelf, and economical.	Not Yet Begun
21	General	Evaluate and upgrade warning systems.	Ongoing
22	General	Install an emergency communication network for Fire, Police, 911, EMSA and other emergency operations.	Ongoing
23	General	Contact agencies that distribute data and information to at-risk communities, e.g. elderly, infirm, poor, outside workers.	Not Yet Begun
24	General	Continue to update and revise basin-wide master drainage plans where changed conditions warrant.	Ongoing
25	General	Acquire floodplain properties where acquisition is the most cost effective mitigation measure	Not Yet Begun
26	General	Continued to update and revise basin-wide master drainage plans where changed conditions warrant.	Ongoing
27	Lightning	Designate individuals at city recreation facilities that are educated in storm spotting and safety, who have the authority to take proper action.	Not Yet Begun
28	Extreme Heat	Develop a Heat Emergency Action Plan for the community.	Not Yet Begun
29	Drought	Develop secondary water supply system.	Completed
30	Urban Fires	Continue education and get funding to inform people on proper evacuation plans for city buildings, offices and residential homes.	Not Yet Begun

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31	Urban Fires	Replace inadequately sized water lines with lines of sufficient size to provide proper fire protection.	Ongoing
32	Wildfires	Develop a countywide fire response and support group to facilitate the provisioning of water to fire departments during large fires.	Complete
33	Earthquakes	Building reinforcements against wind and tornado damage will also protect against the minor earthquakes projected for the area.	Ongoing
35	Hazardous Materials Events	Develop and reinforce Hazardous Materials event equipment and response teams.	Complete

### **Mustang**

<b>Priority</b>	<b>Category</b>	<b>Measure</b>	<b>Current Status (Complete, Ongoing, In Progress, Not yet begun, Modified, Dropped)</b>
1	HazMat Events	Develop and reinforce hazardous materials equipment and response teams.	Dropped
2	Transportation	Assess risks and develop a plan for responding to hazardous materials incidents on major transportation routes through the community.	Ongoing
3	Drought	Develop secondary water supply system.	Ongoing
4	Winter Storms	Develop and assess a contingency plan for responding to massive power outage due to severe storms and overload demands.	Ongoing
5	General	Develop a community debris management plan.	Completed
6	Urban Fires	Develop a plan that prioritizes replacement of inadequately sized water lines with lines of sufficient size to provide adequate fire protection.	Ongoing
7	General	Develop an all-hazard public information and awareness program.	Not Yet Begun
8	General	Acquire and utilize GIS and GPS technologies to record and maintain information on public infrastructure, private safe rooms and private water wells.	Modified And In Progress
9	General	Provide Certified Disaster Training for City supervisory staff.	Ongoing

<b>Priority</b>	<b>Category</b>	<b>Measure</b>	<b>Current Status (Complete, Ongoing, In Progress, Not yet begun, Modified, Dropped)</b>
10	General	Identify and maintain a list of resources to provide foreign language translators.	Modified And Ongoing
11	General	Evaluate and upgrade warning systems.	Completed
12	General	Provide emergency equipment for City Emergency Teams.	Not Yet Begun
13	Tornadoes & High Winds	Develop public awareness programs and provide materials and mitigation measures that protect a building's roof, all outside openings, and the building envelope.	Ongoing
14	Tornadoes & High Winds	Consider painting street names and house numbers on curbs for identifying addresses when landmarks are absent.	Dropped
15	General	Record GPS locations of private water wells and underground storm shelters (to rescue potentially trapped storm victims).	Modified (See #8)
16	Tornadoes & High Winds	Investigate adopting building codes / incentives leading to construction that is more resistant to tornadoes and high winds.	In Progress
17	General	Teach community employees the symptoms of common, life-threatening emergencies and how to administer CPR and first aid.	Ongoing
18	Tornadoes & High Winds	Educate the public about construction methods designed for overall structural resistance to tornadoes and high winds.	Dropped
19	Winter Storms	Reduce the number of overhead power lines through consolidating existing lines and burying new lines underground.	Not Yet Begun
20	Tornadoes & High Winds	Supply NOAA Weather Radio to all local government buildings, schools, hospitals, and critical facilities.	Completed
21	Winter Storms	Provide for routine trimming of trees to reduce power outages during storms.	Not Yet Begun
22	Tornadoes & High Winds	Review and update the debris management plan.	Not Yet Begun
23	Extreme Heat	Identify the vulnerable population and individuals at risk from extreme heat.	Dropped
24	Tornadoes & High Winds	Research construction methods for mitigating wind damage, specifically giving top priority to protecting the roof system.	Dropped
25	HazMat Events	Provide public awareness programs relative to dumping household chemicals and automotive fluids into the sanitary sewer drain.	Completed

<b>Priority</b>	<b>Category</b>	<b>Measure</b>	<b>Current Status (Complete, Ongoing, In Progress, Not yet begun, Modified, Dropped)</b>
26	HazMat Events	Label sanitary sewer drains to warn citizens against dumping chemicals and automotive fluids into the sanitary sewer drain.	Not Yet Begun
27	Urban Fires	Loop water system to both ends of town	Ongoing
28	Tornadoes & High Winds	Install community safe-rooms / storm shelters.	Dropped
29	Drought	Develop secondary water supply system.	Dropped (Replaced By #3)
30	Urban Fires	Implement a fire suppression system for City Hall.	Completed
31	General	Install an emergency communications network for fire, police, 911, EMT and other emergency operations.	In Progress
32	Floods	Develop land-use ordinances to prevent construction in flood-prone locations.	Completed
33	Winter Storms	Update the debris management plan.	Dropped (Replaced By #22)
34	Floods	Compensate for the impacts of new bridges and channel improvements.	Ongoing
35	Floods	Continually update basin-wide master drainage plans where changed conditions warrant.	Not Yet Begun
36	Earthquakes	Provide public and builder awareness that construction techniques for mitigating tornado damage also mitigate earthquake damage.	Dropped
37	Earthquakes	Consider more stringent building codes that require all steel construction for public buildings and critical facilities.	Dropped
38	Lightning	Provide surge protection for computer-reliant critical facilities (e.g. 911 Center, EOC, police sub-stations, fire stations, etc.).	In Progress
39	Floods	Evaluate appropriate mitigation measures for homes located in the floodplain.	Not Yet Begun
40	Floods	Construct regional detention ponds to offset impact of future urban development.	Not Yet Begun
41	Urban Fires	Develop a public education program to explain the advantages of individual fire suppression in homes, including fire extinguishers.	Ongoing
42	Extreme Heat	Educate community employees on the symptoms of heat disorders and how to administer first aid.	Ongoing

<b>Priority</b>	<b>Category</b>	<b>Measure</b>	<b>Current Status (Complete, Ongoing, In Progress, Not yet begun, Modified, Dropped)</b>
43	Urban Fires	Replace inadequately sized water lines with lines of sufficient size to provide adequate fire protection.	Ongoing
44	Tornadoes & High Winds	Install safe-rooms in fire and police stations to protect first responders.	Dropped
45	Floods	Construct adequate bridges to survive 100-year regulatory flood without overtopping.	Dropped

### **Piedmont**

<b>Priority</b>	<b>Category</b>	<b>Measure</b>	<b>Current Status (Complete, Ongoing, In Progress, Not yet begun, Modified, Dropped)</b>
1	Severe Storms	Develop a contingency plan for responding to a massive power outage due to severe storms.	Ongoing
2	General	Install a city-wide warning system that receives regular evaluations and necessary upgrades.	Ongoing
3	General	Provide emergency equipment for City Emergency Teams.	Completed
4	Drought	Develop a tertiary or extended water supply system.	In Progress
5	Urban Fires	Develop a fire emergency plan that assures access by fire vehicles to all areas included in the rural/urban interface fire danger area and prioritizes the ongoing replacement of inadequately sized water lines with lines of sufficient size to provide adequate fire protection.	Ongoing
6	HazMat Events	Develop a plan for responding to hazardous materials incidents on major transportation routes through the community.	Ongoing
7	General	Develop public information and education plans for responding to natural hazards and hazardous material events.	Ongoing
8	General	Develop a plan to identify and respond to vulnerable populations within the community in the event of a disaster. Provide Certified Disaster Training for city employees, and coordinate efforts with local CERT teams.	Ongoing
9	General	Teach community employees the symptoms of common, life-threatening emergencies and how to administer CPR and first aid.	Ongoing

<b>Priority</b>	<b>Category</b>	<b>Measure</b>	<b>Current Status (Complete, Ongoing, In Progress, Not yet begun, Modified, Dropped)</b>
10	General	Coordinate the city's emergency response plans with the local school district's emergency operations plan	Ongoing
11	General	Develop public information and education plans for responding to natural hazards and hazardous material events.	Ongoing
12	General	Develop a community debris management plan.	Ongoing
13	Floods	Acquire accurate or verify accuracy of existing flood plain maps.	Completed
14	Tornadoes & High Winds	Install safe-rooms in fire and police stations to protect first responders.	In Progress
15	Tornadoes & High Winds	Supply NOAA Weather Radio to all local government buildings, schools, hospitals, and critical facilities.	Completed
16	Lightning	Provide surge protection for computer-reliant critical facilities (e.g. 911 Center, EOC, police sub-stations, fire stations, etc.).	Completed
17	General	Establish working partnerships involving local government leaders, civic, business, and volunteer groups to create a safer community.	Ongoing
18	Winter Storms	Reduce the number of overhead power lines through consolidating existing lines and burying new lines underground.	Dropped
19	HazMat Events	Provide public awareness programs relative to dumping household chemicals and automotive fluids into the sanitary sewer drain.	Ongoing
20	General	Develop a "Helping Your Neighbors" program through the school system to encourage children to think of people who need special assistance during severe weather.	Not Yet Begun
21	General	Provide backup facilities for the 911 Center and the Emergency Operations Center.	Dropped
22	General	Update GIS database to include public utility infrastructure.	Ongoing
23	General	Develop use of HAM operators as communications source during hazardous events.	In Progress
24	General	Conduct regular testing of emergency communications and response.	Ongoing
25	Floods	Construct adequate bridges to survive 100-year regulatory flood without overtopping.	Dropped

<b>Priority</b>	<b>Category</b>	<b>Measure</b>	<b>Current Status (Complete, Ongoing, In Progress, Not yet begun, Modified, Dropped)</b>
26	Floods	Inventory inadequate bridges.	Dropped
27	Tornadoes & High Winds	Educate the public about construction methods designed for overall structural resistance to tornadoes and high winds.	Ongoing
28	Tornadoes & High Winds	Inspect community schools for tornado and high wind vulnerability.	Completed
29	Tornadoes & High Winds	Install community safe-rooms / storm shelters.	Dropped
30	HazMat Events	Provide public awareness about household pollutants, their danger, and disposal information through media, schools, public offices, police, and fire stations.	Ongoing
31	General	Provide Certified Disaster Training for City employees, and coordinate efforts with local CERT Teams.	Ongoing
32	General	Develop daytime population maps for the community.	Completed
33	Floods	Obtain elevation certificates for homes located in the floodplain.	Dropped
34	Tornadoes & High Winds	Develop public awareness programs and provide materials and mitigation measures that protect a building's roof, all outside openings, and the building envelope.	Ongoing
35	Tornadoes & High Winds	When replaced, install break-resistant glass in county offices and critical facilities.	Ongoing
36	Tornadoes & High Winds	Investigate community tornado shelter programs implemented in other cities or states.	Dropped
37	Tornadoes & High Winds	Review and update the debris management plan.	Ongoing
38	Winter Storms	Upgrade communities' equipment and vehicles for combating ice storm damage/adverse impact to public infrastructure.	Completed
39	Winter Storms	Update the debris management plan.	Ongoing
40	Extreme Heat	Educate community employees on the symptoms of heat disorders and how to administer first aid.	Ongoing
41	Urban Fires	Make sure fire extinguishers are strategically placed and properly maintained in all community facilities.	Not Yet Begun
42	HazMat Events	Update the study for routing of hazardous materials through the community.	Completed

<b>Priority</b>	<b>Category</b>	<b>Measure</b>	<b>Current Status (Complete, Ongoing, In Progress, Not yet begun, Modified, Dropped)</b>
43	General	Provide security and surveillance equipment for police and fire stations.	Completed
44	General	Record GPS locations of private water wells and underground storm shelters (to rescue potentially trapped storm victims).	Ongoing
45	Floods	Construct regional detention ponds to offset impact of future urban development.	Dropped
46	Tornadoes & High Winds	Install safe-rooms in daycare centers.	Dropped
47	Tornadoes & High Winds	Provide safe-room rebates for especially-vulnerable populations (e.g., elderly, infirm, impoverished).	Dropped
48	Tornadoes & High Winds	Begin a revolving fund for families to build safe rooms.	Dropped
49	Tornadoes & High Winds	Insure that community building code requires proper shingle installation.	Ongoing
50	Tornadoes & High Winds	Consider painting street names and house numbers on curbs for identifying addresses when landmarks are absent.	Dropped
51	Lightning	Install lightning rods for protection of Critical Facilities.	In Progress
52	Lightning	Designate individuals at city recreation facilities who are educated in storm spotting and who have the authority to take proper action.	In Progress
53	Winter Storms	Provide public awareness on effective ways to monitor and avoid ice damage, frozen pipes, and snow loads on roof systems.	Ongoing
54	Winter Storms	Provide for routine trimming of trees to reduce power outages during storms.	Ongoing
55	Extreme Heat	Identify the vulnerable population and individuals at risk from extreme heat.	Ongoing
56	Extreme Heat	Develop a Heat Emergency Action Plan for the community.	Dropped
57	Expansive Soils	Require foundation piers as part of the building code.	Dropped
58	Wildfires	Develop a warning plan based on drought conditions and moisture measurements to alert officials of increased risk of wildfire.	Ongoing
59	Wildfires	Develop a contingency plan for evacuating population endangered by a wildfire.	Ongoing
60	Wildfires	Train and coordinate community fire, police, and public works on how to respond to a wildfire emergency.	Ongoing

<b>Priority</b>	<b>Category</b>	<b>Measure</b>	<b>Current Status (Complete, Ongoing, In Progress, Not yet begun, Modified, Dropped)</b>
61	Wildfires	Investigate and raise public awareness of fire-resistant materials for buildings.	Ongoing
62	Wildfires	Provide public education on controlled burns and use of fire-retardant vegetation.	Ongoing
63	HazMat Events	Initiate/continue a city-wide household pollutant collection program, and build a year-round collection site.	Dropped
64	Dam Failure	Develop computerized GIS modeling program for mapping appropriate cubic feet per second (CFS) dam release rates.	Not Yet Begun

### **Union City**

<b>Priority</b>	<b>Category</b>	<b>Measure</b>	<b>Current Status (Complete, Ongoing, In Progress, Not yet begun, Modified, Dropped)</b>
1	General	Evaluate and upgrade warning systems.	In Progress
2	General	Provide emergency equipment for City Emergency Teams.	In Progress
3	General	Provide backup facilities for the 911 Center and the Emergency Operations Center.	In Progress
4	General	Translate public information to other languages.	Dropped
5	General	Develop a community debris management plan.	Ongoing
6	Floods	Inventory inadequate bridges.	Dropped
7	Tornadoes & High Winds	Install safe-rooms in fire and police stations to protect first responders.	Complete
8	Tornadoes & High Winds	Consider painting street names and house numbers on curbs for identifying addresses when landmarks are absent.	Not Yet Begun
9	Lightning	Install lightning rods for protection of Critical Facilities.	Not Yet Begun
10	Winter Storms	Develop a contingency plan for responding to a massive power outage due to severe winter storm, ice and snow.	In Progress
11	Winter Storms	Reduce the number of overhead power lines through consolidating existing lines and burying new lines underground.	Dropped
12	Extreme Heat	Educate community employees on the symptoms of heat disorders and how to administer first aid.	Ongoing

<b>Priority</b>	<b>Category</b>	<b>Measure</b>	<b>Current Status (Complete, Ongoing, In Progress, Not yet begun, Modified, Dropped)</b>
13	HazMat Events	Develop a plan for responding to hazardous materials incidents on major transportation routes through the community.	Ongoing
14	HazMat Events	Develop and reinforce hazardous materials event equipment and response teams.	Not Yet Begun
15	General	Develop a "Helping Your Neighbors" program through the school system to encourage children to think of people who need special assistance during severe weather.	Not Yet Begun
16	General	Develop public information and education plans for responding to natural hazards and hazardous material events.	Complete
17	General	Install an emergency communications network for fire, police, 911, EMT and other emergency operations.	In Progress
18	General	Provide Certified Disaster Training for City employees, and coordinate efforts with local CERT Teams.	Ongoing
19	Floods	Develop land-use ordinances to prevent construction in flood-prone locations.	Ongoing
20	Floods	Identify ways of securing and elevating important equipment inside a building.	Not Yet Begun
21	Tornadoes & High Winds	Educate the public about construction methods designed for overall structural resistance to tornadoes and high winds.	Not Yet Begun
22	Tornadoes & High Winds	When replaced, install break-resistant glass in county offices and critical facilities.	Dropped
23	Tornadoes & High Winds	Investigate adopting building codes / incentives leading to construction that is more resistant to tornadoes and high winds.	Dropped
24	Tornadoes & High Winds	Install safe-rooms in schools.	Dropped
25	Lightning	Provide surge protection for computer-reliant critical facilities (e.g. 911 Center, EOC, police sub-stations, fire stations, etc.).	Ongoing
26	Extreme Heat	Identify the vulnerable population and individuals at risk from extreme heat.	Not Yet Begun
27	Urban Fires	Make sure fire extinguishers are strategically placed and properly maintained in all community facilities.	Ongoing
28	Wildfires	Provide public education on controlled burns and use of fire-retardant vegetation.	Ongoing

