

4 MITIGATION STRATEGY

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44 CFR Requirement §201.6(c)(3): The plan shall include a mitigation strategy that provides the jurisdiction’s blueprint for reducing the potential losses identified in the risk assessment, based on existing authorities, policies, programs and resources, and its ability to expand on and improve these existing tools.

This section presents the mitigation strategy updated by the Mitigation Planning Committee (MPC) based on the updated risk assessment. The mitigation strategy was developed through a collaborative group process. The process included review of general goal statements to guide the jurisdictions in lessening disaster impacts as well as specific mitigation actions to directly reduce vulnerability to hazards and losses. The following definitions are taken from FEMA’s *Local Hazard Mitigation Review Guide (October 1, 2012)*.

- **Mitigation Goals** are general guidelines that explain what you want to achieve. Goals are long-term policy statements and global visions that support the mitigation strategy. The goals address the risk of hazards identified in the plan.
- **Mitigation Actions** are specific actions, projects, activities, or processes taken to reduce or eliminate long-term risk to people and property from hazards and their impacts. Implementing mitigation actions helps achieve the plan’s mission and goals.

4.1 Goals

44 CFR Requirement §201.6(c)(3)(i): [The hazard mitigation strategy shall include a] description of mitigation goals to reduce or avoid long-term vulnerabilities to the identified hazards.

This planning effort is the first update to Dent County’s existing hazard mitigation plan originally approved by FEMA on October 30. Therefore, the goals from the original 2018 Dent County Hazard Mitigation Plan were reviewed to see if they were still valid, feasible, practical, and applicable to the defined hazard impacts. The MPC conducted a discussion session during their first meeting to review and update the plan goals. To ensure that the goals developed for this update were comprehensive and supported State goals, the 2018 State Hazard Mitigation Plan goals were reviewed. The MPC reviewed the goals and decided to consolidate them from six goals to three. The following goals were established for the 2023 Dent County plan update:

Goal 1: Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the county.

Goal 2: Reduce the potential impact of natural disasters to property, infrastructure and the local economy.

Goal 3: Reduce the potential impact of natural disaster on the continuity of government and essential services.

4.2 Identification and Analysis of Mitigation Actions

44 CFR Requirement §201.6(c)(3)(ii): The mitigation strategy shall include a section that identifies and analyzes a comprehensive range of specific mitigation actions and projects being considered to reduce the effects of each hazard, with particular emphasis on new and existing buildings and infrastructure.

During the first MPC meeting, the committee discussed what needed to be updated in the risk assessment. Changes in risk since adoption of the previously approved plan were discussed. Since the last update, there have been no deaths due to natural hazard events. Action items were reviewed, and suggestions made for changes to address the changes in risk. Discussions from the actions from the previous plan included completed actions, on-going actions, and actions upon which progress had not been made. The MPC discussed SEMA's identified funding priorities and the types of mitigation actions generally recognized by FEMA.

The MPC determined to include problem statements in the plan update at the end of each hazard profile, which had not been done in the previously approved plan. The problem statements summarize the risk to the planning area presented by each hazard and include possible methods to reduce that risk.

The focus of Meeting #2 was to review, prioritize and update the mitigation strategy. The MPC reviewed the list of actions proposed in the previous mitigation plan and proposed additional mitigation actions. Facilitators also provided suggestions for actions based on what some of the surrounding counties had included in their plans. Participants were also encouraged to refer to the current State Plan and provided a link to the FEMA's publication, *Mitigation Ideas: A Resource for Reducing Risk to Natural Hazards (January 2013)*. This document was developed by FEMA as a resource for identification of a range of potential mitigation actions for reducing risk to natural hazards and disasters.

During the review of the plan document, MPC members were encouraged to review the details of the risk assessment vulnerability analysis specific to their jurisdiction.

The MPC reviewed the actions from the previously approved plan for progress made since the plan had been adopted. Copies of the list of actions for each jurisdiction were provided to MPC members at planning meetings and were emailed out to all members. Action items were reviewed and the MPC provided updates on the status of action items during both planning meetings and the meeting with the road and bridge department. Each action item was reviewed and assigned one of the following:

- Completed, with a description of the progress,
- Not Started/Continue in Plan Update, with a discussion of the reasons for lack of progress,
- In Progress/Continue in Plan Update, with a description of the progress made to date or
- Deleted, with a discussion of the reasons for deletion.

Based on the status updates, there were 13 completed actions, 14 deleted actions, six actions that were combined with other similar actions, and 17 continuing actions.

Table 4.1 provides a summary of the action statuses for each jurisdiction:

Table 4.1. Action Status Summary

Jurisdiction	Completed Actions	Continuing Actions (ongoing or modify)	Deleted Actions
Dent County	9	13	11
Salem	9	15	12
Salem R-80 School District	5	3	3
Oak Hill R-I School District	5	3	3
Dent-Phelps R-III School District	5	3	3
North Wood R-IV School District	5	3	3
Green Forest R-II School District	5	3	3

Table 4.2 provides a summary of the completed and deleted actions from the previous plan.

Table 4.2. Summary of Completed and Deleted Actions from the Previous Plan

Completed Actions	Completion Details (date, amount, funding source)
1.4 Monitor developments in data availability concerning the impact of levee failure, dam failure, tornados, sinkholes, land subsidence, and wildfire upon Dent County and all jurisdictions through local, state, and federal agencies.	All jurisdictions agree that this has been achieved through the plan update process. In addition, SEMA has indicated that this action item can be removed from plans.
1.6 Educate school staff on natural hazards, emergency plans, and evacuation and safety procedures.	All school districts agree that this is currently implemented and is embedded in district's policy and procedures and requirements from the Missouri Department of Elementary and Secondary Education.
1.7 Regularly review and update school emergency plans.	All school districts agree that this is currently implemented and is embedded in district's policy and procedures and requirements from the Missouri Department of Elementary and Secondary Education.
1.8 Regularly review school facilities and re-evaluate designated safe areas to insure that these areas are the safest locations to shelter students and staff.	All school districts agree that this is currently implemented and is embedded in district's policy and procedures and requirements from the Missouri Department of Elementary and Secondary Education.
1.12 Partner with local radio stations to ensure that appropriate warning of impending disasters is provided to all residents.	County and city EMDs state that this has been implemented and is embedded in policy and procedure.

Completed Actions	Completion Details (date, amount, funding source)
1.13 Disseminate information on tree trimming and dead tree removal programs and policies to residents/property owners.	Local jurisdictions stated that this action item has been implemented and is embedded in policy and procedure.
2.5 Encourage the City of Salem to develop and implement regulations for securing hazardous materials tanks and mobile homes to reduce hazards during storms and flooding.	The City of Salem stated that this action item has been implemented and is embedded in policy and ordinance.
3.5 Provide opportunities through existing meetings (Co. communications, HSOC, MRPC) for EMDs, city/county/school officials & SEMA to meet and familiarize officials with mitigation planning, implementation & budgeting for mitigation projects.	Local jurisdictions stated that this action item has been implemented and is embedded in policy.
3.6 Encourage county health department and local Red Cross Chapter to use publicity campaigns that make residents aware of proper measures to take during times of threatening conditions (e.g. drought, heat wave)	Local jurisdictions stated that this action item has been implemented and is embedded in policy and procedure.
4.3 Pool different agency resources to achieve widespread mitigation planning results.	Local jurisdictions stated that this action item has been implemented through the hazard mitigation planning process.
4.4 Encourage updated mutual aid agreements between emergency response agencies inside and outside the region.	Local jurisdictions stated that this action item has been implemented and is embedded in policy and procedures.
6.1 Work with SEMA Region I coordinator and State Hazard Mitigation Officer to learn about new mitigation funding opportunities.	Local jurisdictions stated that this action item has been implemented and is embedded in policy and procedures.
6.6 Prioritize mitigation projects, based on cost-effectiveness and starting with those sites facing the greatest threat to life, health, and property.	The local jurisdictions stated that this is being accomplished through the hazard mitigation planning process.
Deleted Actions	Reason for Deletion
1.11 Promote the use of weather radios by local residents and schools to insure advanced warning about threatening weather to those not served by smartphone apps.	Removed due to no longer being a high priority. Weather radio coverage is inconsistent in the planning area and there are alternative sources for information such as cell phones – which are more reliable.
1.16 Conduct a study of County Roads 2470, 4210, 6230, 5150, and 5110 to find mitigation solutions for flooding, flash flooding, and landslides.	Combined with 1.5.
1.17 Seek funding opportunities to improve phone, radio, and broadband radio reception/coverage across the county.	Combined with 1.3

Deleted Actions	Reason for Deletion
2.1 Provide information on self-inspection programs to critical facilities to assess earthquake and tornado resistance.	Removed due to no longer being a high priority.
3.1 Re-evaluate the hazard mitigation plan, merge with other community planning activities and documents, and incorporate hazard mitigation into the long-range planning and development activities of the county and each jurisdiction.	Removed as this is covered by Chapter 5 of the plan.
3.2 Distribute SEMA brochures on natural disasters at public facilities and events.	Combined with 1.1.
4.1 Encourage elected officials to disseminate information about hazard mitigation projects to the public.	Combined with 3.3.
4.2 Continue to encourage joint training (and drills) between agencies, public and private entities (including schools/businesses).	Combined with 1.2.
5.1 Provide information to the City of Salem on the benefits and costs of developing storm water management plans.	Removed due to not meeting SMART criteria and being a low priority.
5.2 Coordinate and integrate hazard mitigation activities where appropriate with emergency operations plans and procedures.	Deleted due to being included in chapter 5 of the plan.
5.3 Encourage the City of Salem to require contractor storm water management plans in all new development – both residential and commercial properties.	Removed due to not meeting SMART criteria and being a low priority.
6.2 Structure grant proposals for road/bridge upgrades so that hazard mitigation concerns are also met.	Combined with 1.5.
6.3 Work with state/local/federal agencies to include mitigation in economic & community development projects when applicable.	Removed due to not meeting SMART criteria and the MPC believing this was part of Chapter 5.
6.4 Provide information to local governments on the benefits of budgeting for and implementing hazard mitigation projects.	Removed due to not meeting SMART criteria and the MPC believing this was being achieved through the planning process.

Source: Previously approved County Hazard Mitigation Plan; MPC committee; data collection questionnaires

4.3 Implementation of Mitigation Actions

44 CFR Requirement §201.6(c)(3)(ii): The mitigation strategy shall include an action strategy describing how the actions identified in paragraph (c)(2)(ii) will be prioritized, implemented, and administered by the local jurisdiction. Prioritization shall include a special emphasis on the extent to which benefits are maximized according to a cost benefits review of the proposed projects and their associated costs.

Jurisdictional MPC members were encouraged to meet with others in their community to discuss the actions to be included in the updated mitigation strategy. Throughout the MPC consideration and discussion, emphasis was placed on the importance of a benefit-cost analysis in determining project priority. The Disaster Mitigation Act requires benefit-cost review as the primary method by which mitigation projects should be prioritized. The MPC decided to pursue implementation according to when and where damage occurs, available funding, political will, jurisdictional priority, and priorities identified in the Missouri State Hazard Mitigation Plan. The benefit/cost review at the planning stage primarily consisted of a qualitative analysis and was not the detailed process required grant funding application. For each action, the plan sets forth a narrative describing the types of benefits that could be realized from action implementation. The cost was estimated as closely as possible, with further refinement to be supplied as project development occurs.

FEMA's STAPLEE methodology was used to assess the costs and benefits, overall feasibility of mitigation actions, and other issues impacting project. During the prioritization process, the MPC worked together to review and assign scores. The process posed questions based on the STAPLEE elements as well as the potential mitigation effectiveness of each action. Scores were based on the responses to the questions as follows:

Definitely yes = 3 points
Maybe yes = 2 points
Probably no = 1
Definitely no = 0

The following questions were asked for each proposed action.

S: Is the action socially acceptable?

T: Is the action technically feasible and potentially successful?

A: Does the jurisdiction have the administrative capability to successfully implement this action?

P: Is the action politically acceptable?

L: Does the jurisdiction have the legal authority to implement the action?

E: Is the action economically beneficial?

E: Will the project have an environmental impact that is either beneficial or neutral? (score "3" if positive and "2" if neutral)

Will the implemented action result in lives saved?

Will the implanted action result in a reduction of disaster damage?

In addition to the STAPLEE process, each action item was also reviewed for Benefit/Cost. These two aspects of the prioritization process were scored as follows:

Benefit – two (2) points were added for each of the following avoided damages (8 points maximum = highest benefit)

- Injuries and/or casualties

- Property damages
- Loss-of-function/displacement impacts
- Emergency management costs/community costs

Cost – points were subtracted according to the following cost scale (-5 points maximum = highest cost)

- (-1) = Minimal – little cost to the jurisdiction involved
- (-3) = Moderate – definite cost involved but could likely be worked into operating budget
- (-5) = Significant – cost above and beyond most operating budgets; would require extra appropriations to finance or to meet matching funds for a grant

Note: For the Benefit/Cost Review, the benefit and cost of actions which used the word “encourage” were evaluated as if the action or strategy being encouraged was actually to be carried out.

In addition, the group considered the cost of mitigation versus the long-term savings in relation to potential lives saved and property damage avoided.

Total Score – The scores for the STAPLEE Review and Benefit/Cost Review were added to determine a Total Score for each action.

Priority Scale – To achieve an understanding of how a Total Score might be translated into a Priority Rating, a sample matrix was filled out for the possible range of ratings an action might receive on both the STAPLEE and Benefit/Cost Review. The possible ratings tested ranged between:

- A hypothetical action with “Half probably NO and half maybe YES” answers on STAPLEE (i.e. poor STAPLEE score) and Low Benefit/High Cost: Total Score = 7
- A hypothetical action with “All definitely YES” on STAPLEE and High Benefit/Little Cost: Total Score = 28

An inspection of the possible scores within this range led to the development of the following Priority Scale based on the Total Score in the STAPLEE- Benefit/Cost Review process:

20 – 28 points = High Priority
 14-19 points = Medium Priority
 13 points and below = Low Priority

In addition to the STAPLEE and Benefit/Cost analysis, the committee was also asked to consider **SMART** – **S**pecific, **M**easurable, **A**chievable, **R**elevant, **T**ime-bound, per FEMA. All action items were reviewed with these criteria in mind. The results of the STAPLEE process and Benefit/Cost analysis were then mailed out to all MPC members for feedback and consensus.

The final scores are listed below in the analysis of each action. Correspondence regarding the STAPLEE process is included in Appendix C: A spreadsheet with the action items and final scores is illustrated in Figure 4.1.

Jurisdictional Floodplain Management Programs

The City of Salem is the only jurisdiction within planning area that are members of the NFIP and regulate development in the floodplain by reviewing permit applications for all development including new and existing structures. Elevation certificates are required for all new construction, and existing structures with 50% or more damage following a flood are required to elevate. Floodplain maps are

available in hard copy at the city hall. Furthermore, floodplain maps can be found online through FEMA's website <https://msc.fema.gov/portal>. Salem does not currently participate in active monitoring activities within the floodplain.

Unincorporated Dent County is considered sanctioned because it did not join the NFIP one year after flood-prone areas were identified in 1984.

Table 4.1. Jurisdictional Floodplain Ordinance Adoption Date

Community Name	Ordinance Adoption Date
Dent County*	Not a member of the NFIP
Salem	08/01/1979

Source: FEMA's Community Status Book Report¹; NSFHA (SEMA) *listed as not participating in the NFIP

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¹ www.fema.gov/cis/mo.html

Figure 4.4 Prioritization of Mitigation Actions		3 = Def YES 1 = Prob NO 2 = Maybe YES 0 = Def NO													
Action No.	Mitigation Actions	S	T	A	P	L	E	E	STAPLEE Total	Losses Avoided (2 pts. Each)	Benefit	Cost	B/C Total	Total	Priority
1.1	Distribute brochures and publish social media posts to educate residents on personal emergency preparedness and ways to minimize the effect of natural disasters before they occur.	3	3	3	3	3	2	3	20	IC,PD,LF, EMCC	8	-1	7	27	H
1.2 3.1	Provide annual training to businesses and public entities on continuity of operation and emergency operation planning through local chambers of commerce and local emergency management agencies.	3	3	3	3	3	2	3	20	IC,PD,LF, EMCC	8	-1	7	27	H
1.3	Obtain/upgrade early warning systems and improved communication systems as funding allows.	3	2	2	3	3	2	2	17	IC,PD,LF, EMCC	8	-3	5	22	H
1.5 2.1	Upgrade road and bridges that would improve drainage, reduce flooding, and the risk to residents and property as funding allows.	3	3	3	3	3	3	2	20	IC,PD,LF, EMCC	8	-3	5	25	H
1.9	Seek funding to install additional fire doors in school buildings.	3	3	2	3	3	2	3	19	IC,PD,LF, EMCC	8	-3	5	24	H
1.10	Construct storm shelters and certified tornado safe rooms near schools and large employment centers as funding allows.	3	3	2	3	3	2	3	19	IC, LF, EMCC	6	-1	5	24	H
1.14	Establish designated shelters for residents to be used as cooling centers during extreme heat or power outages.	3	3	3	3	3	3	3	21	IC, LF, EMCC	6	-1	5	26	H
1.15	Facilities serving vulnerable population will annually review alternative locations for sheltering residents and MOUs with "sister" facilities.	3	2	2	3	3	2	3	18	IC, LF, EMCC	6	-1	5	23	H
1.18 2.5	Stabilize soil surfaces or modify hill geometry to prevent landslides resulting in road closures as funding allows.	3	2	2	3	3	3	2	18	IC,PD,LF, EMCC	8	-2	6	24	H
2.2 3.2	Obtain and install backup generators for critical infrastructure such as water systems and emergency services as funding allows.	3	3	3	3	3	2	3	20	LF, EMCC	4	-3	1	21	H
2.3	Distribute FEMA brochures and factsheets about the National Flood Insurance Program (NFIP) at public offices and community events.	2	2	2	2	3	2	3	16	IC,PD,LF, EMCC	8	-1	7	23	H

Figure 4.4 Prioritization of Mitigation Actions		3 = Def YES 1 = Prob NO 2 = Maybe YES 0 = Def NO													
Action No.	Mitigation Actions	S	T	A	P	L	E	E	STAPLEE Total	Losses Avoided (2 pts. Each)	Benefit	Cost	B/C Total	Total	Priority
2.4	Continue to enforce flood damage prevention/floodplain management ordinances in compliance with NFIP requirements.	2	2	2	2	3	2	3	16	IC,PD,LF, EMCC	8	-3	5	21	H
2.6	Purchase properties in the floodplain to convert land into public space/recreation areas as funds allow.	2	2	2	2	3	2	3	16	IC,PD,LF, EMCC	8	-3	5	21	H
3.3 2.7	Implement public awareness program about the benefits of adopted hazard mitigation projects, including changes to mitigation policy to keep the public abreast of changes and/or new regulations through press releases, brochures, EMD website and Facebook.	3	3	3	3	3	2	3	20	IC,PD,LF, EMCC	8	-1	7	27	H
3.4 1.19	Provide weather spotter classes throughout the county on an annual or bi-annual basis.	3	3	3	3	3	3	3	21	IC,PD,LF, EMCC	8	-1	7	28	H
3.7 1.20	Provide CERT training and distribute information on the benefits of the CERT and VOAD programs.	3	3	3	3	3	3	3	21	IC,PD,LF, EMCC	8	-3	5	26	H
6.5 2.8	Implement cost-share programs with private property owners for hazard mitigation projects that benefit the community as a whole as funding allows.	3	3	3	3	3	1	3	19	IC,PD,LF, EMCC	8	-3	5	24	H

Dent County

Goal 1: Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the county.

Action 1.1: Distribute brochures and publish social media posts to educate residents on personal emergency preparedness and ways to minimize the effect of natural disasters before they occur.

Action Worksheet	
Name of Jurisdiction:	Dent County
Risk / Vulnerability	
Problem being Mitigated:	Residents are not always prepared to manage on their own for 72 hours following an event. This action item will improve individual household preparedness and increase knowledge of mitigation activities.
Hazard(s) Addressed:	All Hazards
Action or Project	
Action/Project Number:	1.1
Name of Action or Project:	Personal Preparedness Education/Awareness programs
Action or Project Description:	Distribute brochures and publish social media posts to educate residents on personal emergency preparedness and ways to minimize the effect of natural disasters before they occur.
Applicable Goal Statement:	Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the county.
Estimated Cost:	\$250 - \$500
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damages, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	County EMD
Action/Project Priority:	27 – High Priority
Timeline for Completion:	1 – 5 years
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOP
Progress Report	
Action Status	Continuing - Revised - In Progress
Report of Progress	Lenox Fire Department does some school programs. The Health Department has brochures available. The natural gas utility frequently distributes information on home safety following service interruption. Salem Police Department is setting up tablet interface and social media posts with emergency preparedness information. A more focused and coordinated effort would help to achieve comprehensive coverage in the county.

Action 1.3: Obtain/upgrade early warning systems and improved communication systems as funding allows.

Action Worksheet	
Name of Jurisdiction:	Dent County
Risk / Vulnerability	
Problem being Mitigated:	Risks and vulnerabilities associated with need to improve warning and communications systems throughout the county.
Hazard(s) Addressed:	All Hazards
Action or Project	
Action/Project Number:	1.3
Name of Action or Project:	Obtain/upgrade early warning systems and improved communications systems
Action or Project Description:	Obtain/upgrade early warning systems and improved communication systems as funding allows.
Applicable Goal Statement:	Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the county.
Estimated Cost:	Unknown
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damage, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	County Commission, EMD
Action/Project Priority:	22 – High Priority
Timeline for Completion:	On-going
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOP
Progress Report	
Action Status	Continuing – Revised – In Progress
Report of Progress	Weather radios do not perform well in many areas of Dent County. The need exists for a radio repeater tower to extend coverage. One storm siren was repaired. One additional siren was installed at the fairgrounds to expand coverage. 911 equipment was upgraded to be compatible with enhanced 911.

Action 1.10: Construct storm shelters and certified tornado safe rooms near schools and large employment centers as funding allows.

Action Worksheet	
Name of Jurisdiction:	Dent County
Risk / Vulnerability	
Problem being Mitigated:	Risks/vulnerabilities associated with schools and large employer facilities that do not have certified tornado safe rooms and use alternative facilities to shelter students, staff and employees in the event of high winds/tornados
Hazard(s) Addressed:	Tornadoes, Severe Weather,
Action or Project	
Action/Project Number:	1.10
Name of Action or Project:	Construct certified tornado safe rooms in schools and near areas with high populations.
Action or Project Description:	Construct storm shelters and certified tornado safe rooms near schools and large employment centers as funding allows.
Applicable Goal Statement:	Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the county.
Estimated Cost:	Unknown
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	County Commission and EMD
Action/Project Priority:	24 –High Priority
Timeline for Completion:	5 – 10 years
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOPs
Progress Report	
Action Status	Continuing – Revised - No Progress
Report of Progress	The County has made no progress to date on construction of certified tornado safe rooms.

Action 1.14: Establish designated shelters for residents to be used as heating or cooling centers during extreme heat or power outages.

Action Worksheet	
Name of Jurisdiction:	Dent County
Risk / Vulnerability	
Problem being Mitigated:	Risks/vulnerabilities associated with not having heating and cooling shelters available for residents during extreme weather events and power outages.
Hazard(s) Addressed:	Extreme Heat, Extreme Cold, Severe Weather, Tornados
Action or Project	
Action/Project Number:	1.14
Name of Action or Project:	Establish designated heating and cooling shelters.
Action or Project Description:	Establish designated shelters for residents to be used as heating or cooling centers during extreme heat or power outages.
Applicable Goal Statement:	Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the county.
Estimated Cost:	\$250 - \$500
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, loss of function/displacement impacts and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	County EMD, County Health Department
Action/Project Priority:	26 –High Priority
Timeline for Completion:	1 – 5 years
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOP,
Progress Report	
Action Status	Continuing – Revised - In Progress
Report of Progress	Some shelters have been established in churches in the area. However, this program would benefit from executing formal MOAs, adding additional facilities to the list of potential shelters and providing training for the volunteers who would staff the shelters if opened.

Action 1.15: Facilities serving vulnerable populations will annually review alternative locations for sheltering residents and MOUs with “sister” facilities.

Action Worksheet	
Name of Jurisdiction:	Dent County
Risk / Vulnerability	
Problem being Mitigated:	Risks/vulnerabilities associated with lack of alternative shelter locations for vulnerable populations.
Hazard(s) Addressed:	All Hazards
Action or Project	
Action/Project Number:	1.15
Name of Action or Project:	Strengthen sheltering options for vulnerable populations.
Action or Project Description:	Facilities that house vulnerable populations such as disabled and elderly should review alternative locations for sheltering residents and MOUs with “sister” facilities.
Applicable Goal Statement:	Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the county.
Estimated Cost:	\$250 - \$800
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, loss of function/displacement impacts and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	County EMD, County Health Department
Action/Project Priority:	23 –High Priority
Timeline for Completion:	1 – 5 years
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOP, Emergency Plans for Facilities housing vulnerable populations
Progress Report	
Action Status	Continuing – Revised - No Progress
Report of Progress	All three skilled nursing facilities in Dent County are owned by the same company. Although the group agreed that these facilities are required to have plans for alternative locations to care for residents during disasters, it was decided that it would be good practice to work with these facilities and others like them to ensure that those plans are being reviewed and updated regularly.

Action 3.4 [1.19]: Provide weather spotter classes throughout the county on an annual or bi-annual basis.

Action Worksheet	
Name of Jurisdiction:	Dent County
Risk / Vulnerability	
Problem being Mitigated:	Risks and vulnerabilities associated with the lack of weather spotters/training and weather spotters in the county.
Hazard(s) Addressed:	Severe Weather, Tornadoes
Action or Project	
Action/Project Number:	1.19
Name of Action or Project:	Weather spotter training
Action or Project Description:	Provide weather spotter classes throughout the county on an annual or bi-annual basis.
Applicable Goal Statement:	Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the county.
Estimated Cost:	\$500
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damages, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	County EMD
Action/Project Priority:	28 – High Priority
Timeline for Completion:	1 – 5 years
Potential Fund Sources:	Local general revenue funds, private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOP
Progress Report	
Action Status	Continuing - Revised – No Progress
Report of Progress	There has been no progress in this area in Dent County. The pandemic has reduced the availability of training.

Action 3.7 [1.20]: Provide CERT training and distribute information on the benefits of the CERT and VOAD programs.

Action Worksheet	
Name of Jurisdiction:	Dent County
Risk / Vulnerability	
Problem being Mitigated:	Risks and vulnerabilities associated with the lack of CERT or VOAD programs in the county.
Hazard(s) Addressed:	All hazards
Action or Project	
Action/Project Number:	1.20
Name of Action or Project:	CERT training and awareness program for CERT and VOADs.
Action or Project Description:	Provide CERT training and distribute information on the benefits of CERT and VOAD programs to the public to improve awareness.
Applicable Goal Statement:	Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the county.
Estimated Cost:	\$1,000 - \$1,500
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damages, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	EMD
Action/Project Priority:	26 – High Priority
Timeline for Completion:	1 -5 years
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	LEOP, Hazard Mitigation Plan
Progress Report	
Action Status	Continuing – Revised – No Progress
Report of Progress	There was a CERT program in Dent County in the past. However, the pandemic resulted in the discontinuation of training and meeting of this group. The program would benefit from holding additional CERT trainings and an organized approach to distributing information CERT and VOAD.

Goal 2: Reduce the potential impact of natural disasters to property, infrastructure, and the local economy.

Action 1.5 [2.1]: Upgrade roads and bridges that would improve drainage and reduce flooding and the risk to residents and property as funding allows.

Action Worksheet	
Name of Jurisdiction:	Dent County
Risk / Vulnerability	
Problem being Mitigated:	Risks/vulnerabilities associated with flooding and inadequate road/bridge structures and impacts on residents and their property.
Hazard(s) Addressed:	Flood, Earthquake
Action or Project	
Action/Project Number:	2.1
Name of Action or Project:	Improve drainage and reduce flooding through road and bridge improvements.
Action or Project Description:	Upgrade roads and bridges to improve drainage and reduce flooding and the risk to residents and property.
Applicable Goal Statement:	Reduce the potential impact of natural disaster to property, infrastructure, and the local economy.
Estimated Cost:	Unknown
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damages, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	County Commission, Road and Bridge Department, local planners
Action/Project Priority:	25 – High Priority
Timeline for Completion:	On-going
Potential Fund Sources:	Grants, local general revenue funds, private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard mitigation plan, LEOP, county road and bridge budget, county road and bridge specifications
Progress Report	
Action Status	Continuing – Revised - In Progress
Report of Progress	The county has a policy in place to size up culverts in areas prone to flooding when replacing them. In the past five years the county has replaced culverts on CR 4160, CR 2470 and CR 5490. The county has also elevated and added a culvert to CR 6220 and replaced a low water bridge on CR 4210. The county maintains a list of high priority projects that will be completed as funding becomes available.

Action 1.18 [2.5]: Stabilize soil surfaces or modify hill geometry where possible to prevent landslides resulting in road closures as funding allows.

Action Worksheet	
Name of Jurisdiction:	Dent County
Risk / Vulnerability	
Problem being Mitigated:	Risks/vulnerabilities associated with landslides/debris flows on Dent County Roads
Hazard(s) Addressed:	Flooding, Severe Storm
Action or Project	
Action/Project Number:	2.5
Name of Action or Project:	Stabilize areas of potential landslides/debris flows.
Action or Project Description:	Stabilize soil surfaces or modify hill geometry where possible to prevent landslides resulting in road closures as funding allows.
Applicable Goal Statement:	Reduce the potential impact of natural disaster to property, infrastructure, and the local economy.
Estimated Cost:	\$10,000
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damages, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	County Commission, Local Planners, County EMD, Road and Bridge Dept.
Action/Project Priority:	24 – High Priority
Timeline for Completion:	1 – 5 years
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOP, Road and Bridge Budget
Progress Report	
Action Status	Continuing – Revised – No Progress
Report of Progress	There has been no progress in this area in Dent County.

Action 3.3 [2.7]: Implement public awareness program about the benefits of adopted hazard mitigation projects, including changes to mitigation policy to keep the public abreast of changes and/or new regulations through press releases, brochures, EMD website and FaceBook.

Action Worksheet	
Name of Jurisdiction:	Dent County
Risk / Vulnerability	
Problem being Mitigated:	Risks and vulnerabilities associated with a lack of awareness of hazard mitigation and best practices before hazardous events.
Hazard(s) Addressed:	All Hazards
Action or Project	
Action/Project Number:	2.7
Name of Action or Project:	Public awareness program on hazard mitigation
Action or Project Description:	Implement public awareness program about the benefits of adopted hazard mitigation projects, including changes to mitigation policy to keep the public abreast of changes and/or new regulations through press releases, brochures, EMD website and FaceBook.
Applicable Goal Statement:	Reduce the potential impact of natural disaster to property, infrastructure, and the local economy.
Estimated Cost:	\$250-\$500
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damages, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	County Commission, County EMD, local planners
Action/Project Priority:	27 – High Priority
Timeline for Completion:	1 – 5 years
Potential Fund Sources:	Grants, local general revenue funds, private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan
Progress Report	
Action Status	Continuing - Revised – No Progress
Report of Progress	There has been no progress in this area in Dent County.

Action 6.5 [2.8]: Implement cost-share programs with private property owners for hazard mitigation projects that benefit the community as a whole as funding allows.

Action Worksheet	
Name of Jurisdiction:	Dent County
Risk / Vulnerability	
Problem being Mitigated:	Lack of funding for mitigation projects for individuals
Hazard(s) Addressed:	All hazards
Action or Project	
Action/Project Number:	2.8
Name of Action or Project:	Implement cost-share programs between local government and private property owners.
Action or Project Description:	Implement cost-share programs with private property owners for hazard mitigation projects that benefit the community as a whole as funding allows.
Applicable Goal Statement:	Reduce the potential impact of natural disaster to property, infrastructure, and the local economy.
Estimated Cost:	Unknown
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damages, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	County Commission, Road and Bridge Supervisor
Action/Project Priority:	24 – High Priority
Timeline for Completion:	On-going
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, Capital Improvement Plans, Comprehensive Plans, Economic Development Plans
Progress Report	
Action Status	Continuing – Revised – In Progress
Report of Progress	The county currently has a cost share program on county roads for the installation of culverts on private driveways.

Goal 3: Reduce the potential impact of natural disaster on the continuity of government and essential services.

Action 1.2 [3.1]: Provide annual training to businesses and public entities on continuity of operation and emergency operation planning through local chambers of commerce and local emergency management agencies.

Action Worksheet	
Name of Jurisdiction:	Dent County
Risk / Vulnerability	
Problem being Mitigated:	Absence of emergency plans by businesses.
Hazard(s) Addressed:	All hazards.
Action or Project	
Action/Project Number:	3.1
Name of Action or Project:	Development of emergency plans by businesses.
Action or Project Description:	Provide annual training to businesses and public entities on continuity of operation and emergency operation planning through local chambers of commerce and local emergency management agencies.
Applicable Goal Statement:	Reduce the potential impact of natural disaster on the continuity of government and essential services.
Estimated Cost:	\$4,000 - \$5,500
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damages, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	County EMD
Action/Project Priority:	27 – High Priority
Timeline for Completion:	1 – 5 years
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOP
Progress Report	
Action Status	Continuing – Revised – No Progress
Report of Progress	There has been no progress in this area in Dent County.

Action 2.2 [3.2]: Obtain and install backup generators for critical infrastructure such as water systems and emergency services as funding allows.

Action Worksheet	
Name of Jurisdiction:	Dent County
Risk / Vulnerability	
Problem being Mitigated:	Risks/vulnerabilities associated with power outages for critical infrastructure/facilities
Hazard(s) Addressed:	All Hazards
Action or Project	
Action/Project Number:	3.2
Name of Action or Project:	Acquisition and installation of backup generators for critical infrastructure.
Action or Project Description:	Obtain and install backup generators for critical infrastructure such as water systems and emergency services as funding allows.
Applicable Goal Statement:	Reduce the potential impact of natural disaster on the continuity of government and essential services.
Estimated Cost:	\$25,500 – \$80,000
Benefits:	Losses avoided by implementing this action include loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	County EMD, County Commission
Action/Project Priority:	21 –High Priority
Timeline for Completion:	5 – 10 years
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	LEOP, County Budget, Hazard Mitigation Plan, Critical Facility Budgets
Progress Report	
Action Status	Continuing – Revised – No Progress
Report of Progress	There has been no progress in this area in Dent County.

Salem

Goal 1: Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the county.

Action 1.1: Distribute brochures and publish social media posts to educate residents on personal emergency preparedness and ways to minimize the effect of natural disasters before they occur.

Action Worksheet	
Name of Jurisdiction:	Salem
Risk / Vulnerability	
Problem being Mitigated:	Residents are not always prepared to manage on their own for 72 hours following an event. This action item will improve individual household preparedness and increase knowledge of mitigation activities.
Hazard(s) Addressed:	All Hazards
Action or Project	
Action/Project Number:	1.1
Name of Action or Project:	Personal Preparedness Education/Awareness programs
Action or Project Description:	Distribute brochures and publish social media posts to educate residents on personal emergency preparedness and ways to minimize the effect of natural disasters before they occur.
Applicable Goal Statement:	Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the county.
Estimated Cost:	\$250 - \$500
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damages, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	City EMD
Action/Project Priority:	27 – High Priority
Timeline for Completion:	1 – 5 years
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOP
Progress Report	
Action Status	Continuing – Revised - In Progress
Report of Progress	The Dent County Health Department has brochures available. The natural gas utility frequently distributes information on home safety following service interruption. Salem Police Department is setting up tablet interface and social media posts with emergency preparedness information. A more focused and coordinated effort would help to achieve comprehensive coverage in the city.

Action 1.3: Obtain/upgrade early warning systems and improved communication systems as funding allows.

Action Worksheet	
Name of Jurisdiction:	Salem
Risk / Vulnerability	
Problem being Mitigated:	Risks and vulnerabilities associated with need to improve warning and communications systems throughout the county.
Hazard(s) Addressed:	All Hazards
Action or Project	
Action/Project Number:	1.3
Name of Action or Project:	Obtain/upgrade early warning systems and improved communications systems
Action or Project Description:	Obtain/upgrade early warning systems and improved communication systems as funding allows.
Applicable Goal Statement:	Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the county.
Estimated Cost:	Unknown
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damage, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	Mayor, Board of Aldermen, City EMD
Action/Project Priority:	22 – High Priority
Timeline for Completion:	On-going
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOP
Progress Report	
Action Status	Continuing – Revised – In Progress
Report of Progress	Weather radios do not perform well in many areas of Dent County and the city of Salem. The need exists for a radio repeater tower to extend coverage. One storm siren was repaired. One additional siren was installed at the fairgrounds to expand coverage. 911 equipment was upgraded to be compatible with enhanced 911.

Action 1.10: Construct storm shelters and certified tornado safe rooms near schools and large employment centers as funding allows.

Action Worksheet	
Name of Jurisdiction:	Salem
Risk / Vulnerability	
Problem being Mitigated:	Risks/vulnerabilities associated with schools and large employer facilities that do not have certified tornado safe rooms and use alternative facilities to shelter students, staff and employees in the event of high winds/tornados
Hazard(s) Addressed:	Tornadoes, Severe Weather,
Action or Project	
Action/Project Number:	1.10
Name of Action or Project:	Construct certified tornado safe rooms in schools and near areas with high populations.
Action or Project Description:	Construct storm shelters and certified tornado safe rooms near schools and large employment centers as funding allows.
Applicable Goal Statement:	Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the county.
Estimated Cost:	Unknown
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	Mayor, Board of Aldermen and City EMD
Action/Project Priority:	24 –High Priority
Timeline for Completion:	5 – 10 years
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOPs
Progress Report	
Action Status	Continuing – Revised - No Progress
Report of Progress	The city has made no progress to date on construction of certified tornado safe rooms.

Action 1.14: Establish designated shelters for residents to be used as heating or cooling centers during extreme heat or power outages.

Action Worksheet	
Name of Jurisdiction:	Salem
Risk / Vulnerability	
Problem being Mitigated:	Risks/vulnerabilities associated with not having heating and cooling shelters available for residents during extreme weather events and power outages.
Hazard(s) Addressed:	Extreme Heat, Extreme Cold, Severe Weather, Tornados
Action or Project	
Action/Project Number:	1.14
Name of Action or Project:	Establish designated heating and cooling shelters.
Action or Project Description:	Establish designated shelters for residents to be used as heating or cooling centers during extreme heat or power outages.
Applicable Goal Statement:	Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the county.
Estimated Cost:	\$250 - \$500
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, loss of function/displacement impacts and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	City EMD, County Health Department
Action/Project Priority:	26 –High Priority
Timeline for Completion:	1 – 5 years
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOP,
Progress Report	
Action Status	Continuing – Revised - In Progress
Report of Progress	Some shelters have been established in churches in the city. However, this program would benefit from executing formal MOAs, adding additional facilities to the list of potential shelters and providing training for the volunteers who would staff the shelters if opened.

Action 1.15: Facilities serving vulnerable populations will annually review alternative locations for sheltering residents and MOUs with “sister” facilities.

Action Worksheet	
Name of Jurisdiction:	Salem
Risk / Vulnerability	
Problem being Mitigated:	Risks/vulnerabilities associated with lack of alternative shelter locations for vulnerable populations.
Hazard(s) Addressed:	All Hazards
Action or Project	
Action/Project Number:	1.15
Name of Action or Project:	Strengthen sheltering options for vulnerable populations.
Action or Project Description:	Facilities that house vulnerable populations such as disabled and elderly should review alternative locations for sheltering residents and MOUs with “sister” facilities.
Applicable Goal Statement:	Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the city.
Estimated Cost:	\$250 - \$800
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, loss of function/displacement impacts and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	City EMD, County Health Department
Action/Project Priority:	23 –High Priority
Timeline for Completion:	1 – 5 years
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOP, Emergency Plans for Facilities housing vulnerable populations
Progress Report	
Action Status	Continuing – Revised - No Progress
Report of Progress	All three skilled nursing facilities in Salem are owned by the same company. Although the group agreed that these facilities are required to have plans for alternative locations to care for residents during disasters, it was decided that it would be good practice to work with these facilities and others like them to ensure that those plans are being reviewed and updated regularly.

Action 3.4 [1.19]: Provide weather spotter classes throughout the county on an annual or bi-annual basis.

Action Worksheet	
Name of Jurisdiction:	Salem
Risk / Vulnerability	
Problem being Mitigated:	Risks and vulnerabilities associated with the lack of weather spotters/training and weather spotters in the county.
Hazard(s) Addressed:	Severe Weather, Tornadoes
Action or Project	
Action/Project Number:	1.19
Name of Action or Project:	Weather spotter training
Action or Project Description:	Provide weather spotter classes in the city on an annual or bi-annual basis.
Applicable Goal Statement:	Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the city.
Estimated Cost:	\$500
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damages, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	City EMD
Action/Project Priority:	28 – High Priority
Timeline for Completion:	1 – 5 years
Potential Fund Sources:	Local general revenue funds, private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOP
Progress Report	
Action Status	Continuing – Revised – No Progress
Report of Progress	There has been no progress in this area in Salem.

Action 3.7 [1.20]: Provide CERT training and distribute information on the benefits of the CERT and VOAD programs.

Action Worksheet	
Name of Jurisdiction:	Salem
Risk / Vulnerability	
Problem being Mitigated:	Risks and vulnerabilities associated with the lack of CERT or VOAD programs in the city.
Hazard(s) Addressed:	All hazards
Action or Project	
Action/Project Number:	1.20
Name of Action or Project:	CERT training and awareness program for CERT and VOADs.
Action or Project Description:	Provide CERT training and distribute information on the benefits of CERT and VOAD programs to the public to improve awareness.
Applicable Goal Statement:	Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the county.
Estimated Cost:	\$1,000 - \$1,500
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damages, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	City EMD
Action/Project Priority:	26 – High Priority
Timeline for Completion:	1 – 5 years
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	LEOP, Hazard Mitigation Plan
Progress Report	
Action Status	Continuing – Revised – No Progress
Report of Progress	There was a CERT program in Salem in the past. However, the pandemic resulted in the discontinuation of training and meeting of this group. The program would benefit from holding additional CERT trainings and an organized approach to distributing information CERT and VOAD.

Goal 2: Reduce the potential impact of natural disaster to property, infrastructure, and the local economy.

Action 1.5 [2.1]: Upgrade roads and bridges that would improve drainage and reduce flooding and the risk to residents and property as funding allows.

Action Worksheet	
Name of Jurisdiction:	Salem
Risk / Vulnerability	
Problem being Mitigated:	Risks/vulnerabilities associated with flooding and inadequate road/bridge structures and impacts on residents and their property.
Hazard(s) Addressed:	Flood, Earthquake
Action or Project	
Action/Project Number:	2.1
Name of Action or Project:	Improve drainage and reduce flooding through road and bridge improvements.
Action or Project Description:	Upgrade roads and bridges to improve drainage and reduce flooding and the risk to residents and property.
Applicable Goal Statement:	Reduce the potential impact of natural disaster to property, infrastructure, and the local economy.
Estimated Cost:	Unknown
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damages, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	Mayor, Board of Aldermen, local planners
Action/Project Priority:	25 – High Priority
Timeline for Completion:	On-going
Potential Fund Sources:	Grants, local general revenue funds, private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard mitigation plan, LEOP, city budget, city road and bridge specifications
Progress Report	
Action Status	Continuing – Revised - In Progress
Report of Progress	The city has a policy in place to size up culverts in areas prone to flooding when replacing them. The city maintains a list of high priority projects that will be completed as funding becomes available.

Action 2.3: Distribute FEMA brochures and factsheets about the National Flood Insurance Program (NFIP) at public offices and community events.

Action Worksheet	
Name of Jurisdiction:	Salem
Risk / Vulnerability	
Problem being Mitigated:	Risks/vulnerabilities associated with the general public not being aware of the dangers of floodplain development and benefits of the NFIP.
Hazard(s) Addressed:	Floods
Action or Project	
Action/Project Number:	2.3
Name of Action or Project:	Floodplain education/awareness program.
Action or Project Description:	Educate Salem residents, realtors and contractors about the dangers of floodplain development and the benefits of the NFIP.
Applicable Goal Statement:	Reduce the potential impact of natural disaster to property, infrastructure, and the local economy.
Estimated Cost:	\$250 – \$500
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damage, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	Floodplain Manager, Mayor, Board of Aldermen
Action/Project Priority:	23– High Priority
Timeline for Completion:	On-going
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOP, Floodplain Ordinance
Progress Report	
Action Status	Continuing – Revised – In Progress
Report of Progress	Salem has NFIP brochures available at city hall and a three part series press release on floodplain management is released to area media once per year.

Action 2.4: Continue to enforce flood damage prevention/floodplain management ordinances in compliance with NFIP requirements in Salem.

Action Worksheet	
Name of Jurisdiction:	Salem
Risk / Vulnerability	
Problem being Mitigated:	Risks and vulnerabilities associated with the lack of enforcement of floodplain ordinances resulting in property damage.
Hazard(s) Addressed:	Floods
Action or Project	
Action/Project Number:	2.4
Name of Action or Project:	Floodplain education/awareness program.
Action or Project Description:	Continue to enforce flood damage prevention/floodplain management ordinances in compliance with NFIP requirements in Salem.
Applicable Goal Statement:	Reduce the potential impact of natural disaster to property, infrastructure, and the local economy.
Estimated Cost:	\$5,000
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damage, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	Floodplain Manager, Mayor, Board of Aldermen
Action/Project Priority:	21– High Priority
Timeline for Completion:	On-going
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOP, Floodplain Ordinance
Progress Report	
Action Status	Continuing – in Progress
Report of Progress	Salem has contracted with the local RPC to provide technical assistance on floodplain management and help the city meet all NFIP requirements.

Action 2.6: Purchase properties in the floodplain to convert land into public space/recreation areas as funds allow.

Action Worksheet	
Name of Jurisdiction:	Salem
Risk / Vulnerability	
Problem being Mitigated:	Risks and vulnerabilities associated with repetitive loss properties in the floodplain.
Hazard(s) Addressed:	Floods
Action or Project	
Action/Project Number:	2.6
Name of Action or Project:	Floodplain buyouts
Action or Project Description:	Purchase properties in the floodplain to convert land into public space/recreation areas as funds allow.
Applicable Goal Statement:	Reduce the potential impact of natural disaster to property, infrastructure, and the local economy.
Estimated Cost:	\$5,000
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damage, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	Floodplain Manager, Mayor, Board of Aldermen
Action/Project Priority:	21– High Priority
Timeline for Completion:	1 – 5 years
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOP, Floodplain Ordinance
Progress Report	
Action Status	New – No Progress
Report of Progress	To date, the city has not had any residents request a buyout and currently does not have the funding available to do a floodplain buyout.

Action 3.3 [2.7]: Implement public awareness program about the benefits of adopted hazard mitigation projects, including changes to mitigation policy to keep the public abreast of changes and/or new regulations through press releases, brochures, EMD website and FaceBook.

Action Worksheet	
Name of Jurisdiction:	Salem
Risk / Vulnerability	
Problem being Mitigated:	Risks and vulnerabilities associated with a lack of awareness of hazard mitigation and best practices before hazardous events.
Hazard(s) Addressed:	All Hazards
Action or Project	
Action/Project Number:	2.7
Name of Action or Project:	Public awareness program on hazard mitigation
Action or Project Description:	Implement public awareness program about the benefits of adopted hazard mitigation projects, including changes to mitigation policy to keep the public abreast of changes and/or new regulations through press releases, brochures, EMD website and FaceBook.
Applicable Goal Statement:	Reduce the potential impact of natural disaster to property, infrastructure, and the local economy.
Estimated Cost:	\$250-\$500
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damages, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	Mayor, Board of Aldermen, City EMD
Action/Project Priority:	27 – High Priority
Timeline for Completion:	1 – 5 years
Potential Fund Sources:	Grants, local general revenue funds, private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan
Progress Report	
Action Status	Continuing – Revised - No Progress
Report of Progress	There has been no progress in this area in Salem.

Action 6.5 [2.8]: Implement cost-share programs with private property owners for hazard mitigation projects that benefit the community as a whole as funding allows.

Action Worksheet	
Name of Jurisdiction:	Salem
Risk / Vulnerability	
Problem being Mitigated:	Lack of funding for mitigation projects for individuals
Hazard(s) Addressed:	All hazards
Action or Project	
Action/Project Number:	2.8
Name of Action or Project:	Implement cost-share programs between local government and private property owners.
Action or Project Description:	Implement cost-share programs with private property owners for hazard mitigation projects that benefit the community as a whole as funding allows.
Applicable Goal Statement:	Reduce the potential impact of natural disaster to property, infrastructure, and the local economy.
Estimated Cost:	Unknown
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damages, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	Mayor, City Council, Public Works
Action/Project Priority:	24 – High Priority
Timeline for Completion:	On-going
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, Capital Improvement Plans, Comprehensive Plans, Economic Development Plans
Progress Report	
Action Status	Continuing – Revised – In Progress
Report of Progress	The city currently has a cost share program on city streets for the installation of culverts on private driveways and on some demolition projects.

Goal 3: Reduce the potential impact of natural disaster on the continuity of government and essential services.

Action 1.2 [3.1]: Provide annual training to businesses and public entities on continuity of operation and emergency operation planning through local chambers of commerce and local emergency management agencies.

Action Worksheet	
Name of Jurisdiction:	Salem
Risk / Vulnerability	
Problem being Mitigated:	Absence of emergency plans by businesses.
Hazard(s) Addressed:	All hazards.
Action or Project	
Action/Project Number:	3.1
Name of Action or Project:	Development of emergency plans by businesses.
Action or Project Description:	Provide annual training to businesses and public entities on continuity of operation and emergency operation planning through local chambers of commerce and local emergency management agencies.
Applicable Goal Statement:	Reduce the potential impact of natural disaster on the continuity of government and essential services.
Estimated Cost:	\$4,000 - \$5,500
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damages, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	City EMD, Mayor, Board of Aldermen
Action/Project Priority:	27 – High Priority
Timeline for Completion:	1 – 5 years
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOP
Progress Report	
Action Status	Continuing – Revised – No Progress
Report of Progress	There has been no progress in this area in Salem.

Action 2.2 [3.2]: Obtain and install backup generators for critical infrastructure such as water systems and emergency services as funding allows.

Action Worksheet	
Name of Jurisdiction:	Salem
Risk / Vulnerability	
Problem being Mitigated:	Risks/vulnerabilities associated with power outages for critical infrastructure/facilities
Hazard(s) Addressed:	All Hazards
Action or Project	
Action/Project Number:	2.2 [3.2]
Name of Action or Project:	Acquisition and installation of backup generators for critical infrastructure.
Action or Project Description:	Obtain and install backup generators for critical infrastructure such as water systems and emergency services as funding allows.
Applicable Goal Statement:	Reduce the potential impact of natural disaster on the continuity of government and essential services.
Estimated Cost:	\$25,500 – \$80,000
Benefits:	Losses avoided by implementing this action include loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	City EMD, Mayor, Board of Aldermen
Action/Project Priority:	21 –High Priority
Timeline for Completion:	1 - 5 years
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	LEOP, County Budget, Hazard Mitigation Plan, Critical Facility Budgets
Progress Report	
Action Status	Continuing – Revised – In Progress
Report of Progress	Salem currently has two portable generators that can be moved around the city to critical facilities. However, the city would benefit from additional, fixed generators that would serve critical facilities.

Oak Hill R-I

Goal 1: Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the county.

Action 1.3: Obtain/upgrade early warning systems and improved communication systems as funding allows.

Action Worksheet	
Name of Jurisdiction:	Oak Hill R-I
Risk / Vulnerability	
Problem being Mitigated:	Risks and vulnerabilities associated with need to improve warning and communications systems throughout the county.
Hazard(s) Addressed:	All Hazards
Action or Project	
Action/Project Number:	1.3
Name of Action or Project:	Obtain/upgrade early warning systems and improved communications systems
Action or Project Description:	Obtain/upgrade early warning systems and improved communication systems as funding allows.
Applicable Goal Statement:	Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the county.
Estimated Cost:	Unknown
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damage, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	Superintendent, School Board
Action/Project Priority:	22 – High Priority
Timeline for Completion:	1 – 5 years
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOP
Progress Report	
Action Status	Continuing- Revised – No Progress
Report of Progress	Weather radios do not perform well in many areas of Dent County and the city of Salem. The district does not have a weather radio. The need exists for a radio repeater tower to extend coverage. The school has an intercom system, walkie talkies and phones which allows communication with individual classrooms.

Action 1.9: Seek funding to install additional fire doors in school buildings.

Action Worksheet	
Name of Jurisdiction:	Oak Hill R-I
Risk / Vulnerability	
Problem being Mitigated:	Onset of fire and smoke that can inhibit safe egress and damage property
Hazard(s) Addressed:	Fire
Action or Project	
Action/Project Number:	1.9
Name of Action or Project:	Fire door funding
Action or Project Description:	Seek funding to install additional fire doors in school buildings.
Applicable Goal Statement:	Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the county.
Estimated Cost:	\$5,000
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damage, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	School Board, Superintendent
Action/Project Priority:	26 – High Priority
Timeline for Completion:	1 – 5 years
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOP, School Emergency Plan
Progress Report	
Action Status	Continuing – No Progress
Report of Progress	No progress has been made on this action item.

Action 1.10: Construct storm shelters and certified tornado safe rooms near schools and large employment centers as funding allows.

Action Worksheet	
Name of Jurisdiction:	Oak Hill R-I
Risk / Vulnerability	
Problem being Mitigated:	Risks/vulnerabilities associated with schools and large employer facilities that do not have certified tornado safe rooms and use alternative facilities to shelter students, staff and employees in the event of high winds/tornados
Hazard(s) Addressed:	Tornadoes, Severe Weather,
Action or Project	
Action/Project Number:	1.10
Name of Action or Project:	Construct certified tornado safe rooms in schools and near areas with high populations.
Action or Project Description:	Construct storm shelters and certified tornado safe rooms near schools and large employment centers as funding allows.
Applicable Goal Statement:	Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the county.
Estimated Cost:	Unknown
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	Superintendent, School Board
Action/Project Priority:	24 –High Priority
Timeline for Completion:	5 – 10 years
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOPs
Progress Report	
Action Status	Continuing – Revised -No Progress
Report of Progress	The district has made no progress to date on construction of certified tornado safe rooms.

Green Forest R-II

Goal 1: Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the county.

Action 1.3: Obtain/upgrade early warning systems and improved communication systems as funding allows.

Action Worksheet	
Name of Jurisdiction:	Green Forest R-II
Risk / Vulnerability	
Problem being Mitigated:	Risks and vulnerabilities associated with need to improve warning and communications systems throughout the county.
Hazard(s) Addressed:	All Hazards
Action or Project	
Action/Project Number:	1.3
Name of Action or Project:	Obtain/upgrade early warning systems and improved communications systems
Action or Project Description:	Obtain/upgrade early warning systems and improved communication systems as funding allows.
Applicable Goal Statement:	Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the county.
Estimated Cost:	Unknown
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damage, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	Superintendent, School Board
Action/Project Priority:	22 – High Priority
Timeline for Completion:	1 – 5 years
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOP
Progress Report	
Action Status	Continuing – Revised – No Progress
Report of Progress	Weather radios do not perform well in many areas of Dent County and the city of Salem. The district does have a weather radio. The need exists for a radio repeater tower to extend coverage. The school has a phone system which can provide emergency communications.

Action 1.9: Seek funding to install additional fire doors in school buildings.

Action Worksheet	
Name of Jurisdiction:	Green Forest R-II
Risk / Vulnerability	
Problem being Mitigated:	Onset of fire and smoke that can inhibit safe egress and damage property
Hazard(s) Addressed:	Fire
Action or Project	
Action/Project Number:	1.9
Name of Action or Project:	Fire door funding
Action or Project Description:	Seek funding to install additional fire doors in school buildings.
Applicable Goal Statement:	Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the county.
Estimated Cost:	\$5,000
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damage, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	School Board, Superintendent
Action/Project Priority:	26 – High Priority
Timeline for Completion:	1 – 5 years
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOP, School Emergency Plan
Progress Report	
Action Status	Continuing – No Progress
Report of Progress	No progress has been made on this action item.

Action 1.10: Construct storm shelters and certified tornado safe rooms near schools and large employment centers as funding allows.

Action Worksheet	
Name of Jurisdiction:	Green Forest R-II
Risk / Vulnerability	
Problem being Mitigated:	Risks/vulnerabilities associated with schools and large employer facilities that do not have certified tornado safe rooms and use alternative facilities to shelter students, staff and employees in the event of high winds/tornados
Hazard(s) Addressed:	Tornadoes, Severe Weather,
Action or Project	
Action/Project Number:	1.10
Name of Action or Project:	Construct certified tornado safe rooms in schools and near areas with high populations.
Action or Project Description:	Construct storm shelters and certified tornado safe rooms near schools and large employment centers as funding allows.
Applicable Goal Statement:	Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the county.
Estimated Cost:	Unknown
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	Superintendent, School Board
Action/Project Priority:	24 –High Priority
Timeline for Completion:	5 – 10 years
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOPs
Progress Report	
Action Status	Continuing – Revised - No Progress
Report of Progress	The district has made no progress to date on construction of certified tornado safe rooms.

Dent-Phelps R-III

Goal 1: Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the county.

Action 1.3: Obtain/upgrade early warning systems and improved communication systems as funding allows.

Action Worksheet	
Name of Jurisdiction:	Dent-Phelps R-III
Risk / Vulnerability	
Problem being Mitigated:	Risks and vulnerabilities associated with need to improve warning and communications systems throughout the county.
Hazard(s) Addressed:	All Hazards
Action or Project	
Action/Project Number:	1.3
Name of Action or Project:	Obtain/upgrade early warning systems and improved communications systems
Action or Project Description:	Obtain/upgrade early warning systems and improved communication systems as funding allows.
Applicable Goal Statement:	Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the county.
Estimated Cost:	Unknown
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damage, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	Superintendent, School Board
Action/Project Priority:	22 – High Priority
Timeline for Completion:	1 – 5 years
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOP
Progress Report	
Action Status	Continuing – Revised – No Progress
Report of Progress	Weather radios do not perform well in many areas of Dent County and the city of Salem. Dent-Phelps R-III does not have a weather radio. The need exists for a radio repeater tower to extend coverage. The school has a PA system which allows communication with individual classrooms.

Action 1.9: Seek funding to install additional fire doors in school buildings.

Action Worksheet	
Name of Jurisdiction:	Dent-Phelps R-III
Risk / Vulnerability	
Problem being Mitigated:	Onset of fire and smoke that can inhibit safe egress and damage property
Hazard(s) Addressed:	Fire
Action or Project	
Action/Project Number:	1.9
Name of Action or Project:	Fire door funding
Action or Project Description:	Seek funding to install additional fire doors in school buildings.
Applicable Goal Statement:	Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the county.
Estimated Cost:	\$5,000
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damage, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	School Board, Superintendent
Action/Project Priority:	26 – High Priority
Timeline for Completion:	1 – 5 years
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOP, School Emergency Plan
Progress Report	
Action Status	Continuing – No Progress
Report of Progress	No progress has been made on this action item.

Action 1.10: Construct storm shelters and certified tornado safe rooms near schools and large employment centers as funding allows.

Action Worksheet	
Name of Jurisdiction:	Dent-Phelps R-III
Risk / Vulnerability	
Problem being Mitigated:	Risks/vulnerabilities associated with schools and large employer facilities that do not have certified tornado safe rooms and use alternative facilities to shelter students, staff and employees in the event of high winds/tornados
Hazard(s) Addressed:	Tornadoes, Severe Weather,
Action or Project	
Action/Project Number:	1.10
Name of Action or Project:	Construct certified tornado safe rooms in schools and near areas with high populations.
Action or Project Description:	Construct storm shelters and certified tornado safe rooms near schools and large employment centers as funding allows.
Applicable Goal Statement:	Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the county.
Estimated Cost:	Unknown
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	Superintendent, School Board
Action/Project Priority:	24 –High Priority
Timeline for Completion:	5 – 10 years
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOPs
Progress Report	
Action Status	Continuing – Revised - No Progress
Report of Progress	The district has made no progress to date on construction of certified tornado safe rooms.

North Wood R-IV

Goal 1: Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the county.

Action 1.3: Obtain/upgrade early warning systems and improved communication systems as funding allows.

Action Worksheet	
Name of Jurisdiction:	North Wood R-IV
Risk / Vulnerability	
Problem being Mitigated:	Risks and vulnerabilities associated with need to improve warning and communications systems throughout the county.
Hazard(s) Addressed:	All Hazards
Action or Project	
Action/Project Number:	1.3
Name of Action or Project:	Obtain/upgrade early warning systems and improved communications systems
Action or Project Description:	Obtain/upgrade early warning systems and improved communication systems as funding allows.
Applicable Goal Statement:	Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the county.
Estimated Cost:	Unknown
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damage, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	Superintendent, School Board
Action/Project Priority:	22 – High Priority
Timeline for Completion:	1 – 5 years
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOP
Progress Report	
Action Status	Continuing – Revised – No Progress
Report of Progress	Weather radios do not perform well in many areas of Dent County and the city of Salem. The district does have a weather radio. The need exists for a radio repeater tower to extend coverage. The school has a PA system which allows communication with individual classrooms.

Action 1.9: Seek funding to install additional fire doors in school buildings.

Action Worksheet	
Name of Jurisdiction:	North Wood R-IV
Risk / Vulnerability	
Problem being Mitigated:	Onset of fire and smoke that can inhibit safe egress and damage property
Hazard(s) Addressed:	Fire
Action or Project	
Action/Project Number:	1.9
Name of Action or Project:	Fire door funding
Action or Project Description:	Seek funding to install additional fire doors in school buildings.
Applicable Goal Statement:	Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the county.
Estimated Cost:	\$5,000
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damage, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	School Board, Superintendent
Action/Project Priority:	26 – High Priority
Timeline for Completion:	1 – 5 years
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOP, School Emergency Plan
Progress Report	
Action Status	Continuing – No Progress
Report of Progress	No progress has been made on this action item.

Action 1.10: Construct storm shelters and certified tornado safe rooms near schools and large employment centers as funding allows.

Action Worksheet	
Name of Jurisdiction:	North Wood R-IV
Risk / Vulnerability	
Problem being Mitigated:	Risks/vulnerabilities associated with schools and large employer facilities that do not have certified tornado safe rooms and use alternative facilities to shelter students, staff and employees in the event of high winds/tornados
Hazard(s) Addressed:	Tornadoes, Severe Weather,
Action or Project	
Action/Project Number:	1.10
Name of Action or Project:	Construct certified tornado safe rooms in schools and near areas with high populations.
Action or Project Description:	Construct storm shelters and certified tornado safe rooms near schools and large employment centers as funding allows.
Applicable Goal Statement:	Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the county.
Estimated Cost:	Unknown
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	Superintendent, School Board
Action/Project Priority:	24 –High Priority
Timeline for Completion:	1 - 5 years
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOPs
Progress Report	
Action Status	Continuing – Revised – In Progress
Report of Progress	The district has applied for grant funds to construct a certified tornado safe room.

Salem R-80

Goal 1: Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the county.

Action 1.3: Obtain/upgrade early warning systems and improved communication systems as funding allows.

Action Worksheet	
Name of Jurisdiction:	Salem R-80
Risk / Vulnerability	
Problem being Mitigated:	Risks and vulnerabilities associated with need to improve warning and communications systems throughout the county.
Hazard(s) Addressed:	All Hazards
Action or Project	
Action/Project Number:	1.3
Name of Action or Project:	Obtain/upgrade early warning systems and improved communications systems
Action or Project Description:	Obtain/upgrade early warning systems and improved communication systems as funding allows.
Applicable Goal Statement:	Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the county.
Estimated Cost:	Unknown
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damage, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	Superintendent, School Board
Action/Project Priority:	22 – High Priority
Timeline for Completion:	1 – 5 years
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOP
Progress Report	
Action Status	Continuing – Revised – No Progress
Report of Progress	Weather radios do not perform well in many areas of Dent County and the city of Salem. The district does not have a weather radio. The need exists for a radio repeater tower to extend coverage. The school has a PA system which allows communication with individual classrooms.

Action 1.9: Seek funding to install additional fire doors in school buildings.

Action Worksheet	
Name of Jurisdiction:	Salem R-80
Risk / Vulnerability	
Problem being Mitigated:	Onset of fire and smoke that can inhibit safe egress and damage property
Hazard(s) Addressed:	Fire
Action or Project	
Action/Project Number:	1.9
Name of Action or Project:	Fire door funding
Action or Project Description:	Seek funding to install additional fire doors in school buildings.
Applicable Goal Statement:	Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the county.
Estimated Cost:	\$5,000
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, property damage, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	School Board, Superintendent
Action/Project Priority:	26 – High Priority
Timeline for Completion:	1 – 5 years
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOP, School Emergency Plan
Progress Report	
Action Status	Continuing – No Progress
Report of Progress	No progress has been made on this action item.

Action 1.10: Construct storm shelters and certified tornado safe rooms near schools and large employment centers as funding allows.

Action Worksheet	
Name of Jurisdiction:	Salem R-80
Risk / Vulnerability	
Problem being Mitigated:	Risks/vulnerabilities associated with schools and large employer facilities that do not have certified tornado safe rooms and use alternative facilities to shelter students, staff and employees in the event of high winds/tornados
Hazard(s) Addressed:	Tornadoes, Severe Weather,
Action or Project	
Action/Project Number:	1.10
Name of Action or Project:	Construct certified tornado safe rooms in schools and near areas with high populations.
Action or Project Description:	Construct storm shelters and certified tornado safe rooms near schools and large employment centers as funding allows.
Applicable Goal Statement:	Reduce the potential impact of natural disasters on the lives and livelihoods of the citizens of the county.
Estimated Cost:	Unknown
Benefits:	Losses avoided by implementing this action include injuries and/or casualties, loss-of-function/displacement impacts, and emergency management costs/community costs.
Plan for Implementation	
Responsible Organization/Department:	Superintendent, School Board
Action/Project Priority:	24 –High Priority
Timeline for Completion:	1 – 5 years
Potential Fund Sources:	Grants, local general revenue funds, and private donations of cash, goods, or services.
Local Planning Mechanisms to be Used in Implementation, if any:	Hazard Mitigation Plan, LEOPs
Progress Report	
Action Status	Continuing – Revised – In Progress
Report of Progress	The district has applied for grant funds to construct a certified tornado safe room.