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# 1 MITIGATION STRATEGY

This section presents the mitigation strategy developed in consultation with the Hazard Mitigation Planning Committee based on the risk assessment. The mitigation strategy was developed through a collaborative group process. The FEMA *State and Local Mitigation Planning: How-To Guide* from March 2013 states that goals are general guidelines that explain what a jurisdiction wants to achieve. They are usually long-term, broad, policy-type statements. Mitigation actions are specific actions that help achieve goals and objectives.

General goals were selected to guide jurisdictions in their efforts to mitigate disaster effects and create mitigation actions that each jurisdiction can put in place to reduce vulnerability to hazards and their associated losses.

## *Local Hazard Mitigation Goals*

Goals are general guidelines that explain what a jurisdiction wants to achieve. They are broad policy-type statements and are long term. The Planning Committee developed goals in 2012 to provide direction for reducing hazard-related losses in Scott County. These goals were based upon the results of the risk assessment and a review of mitigation goals from other state and local plans, specifically, the *Iowa State Mitigation Plan*, published in 2007 and 2010; the *City of Davenport, Iowa Mitigation Plan, 2007*; and the *Muscatine County Multi-Jurisdictional Hazard Mitigation Plan, 2010*. Through a brainstorming session, the Planning Committee came to a consensus on five main goals that were carried forward into this plan and were reaffirmed by participating jurisdictions as part of the plan development process. The goals are listed in priority order, as agreed during Planning Committee meetings.

- Goal 1: Protect human life and public health from the effects of hazards
- Goal 2: Minimize vulnerability of property within Scott County from the effects of hazards
- Goal 3: Minimize damage to critical facilities, infrastructure, and other community assets from the effects of hazards
- Goal 4: Improve public communication, education, and awareness of hazards and their risks in Scott County
- Goal 5: Strengthen intergovernmental communication among jurisdictions within Scott County

## *Hazard Mitigation Objectives*

Objectives are defined as strategies or implementation steps to attain the state goals. In 2012, the Planning Committee developed objectives based on six broad categories used in FEMA guidance documents to describe a range of mitigation measures. This provided objectives that would be consistent throughout each jurisdiction regardless of size, population, or available resources. The Planning Committee reviewed potential objectives and selected the following objectives, which are listed in priority order as agreed upon at the Planning Committee meetings. These objectives were reaffirmed by the planning committee for this update.

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- Objective 1: Develop and implement government administrative or regulatory actions or processes to influence the way land and buildings are developed and built (Preventative Measure)
  - Objective 2: Protect buildings and structures from hazards by modifying or removing them from hazard areas (Property Protection)
  - Objective 3: Inform and educate citizens, elected officials, and property owners about hazards and ways of mitigating (Public Education and Awareness)
  - Objective 4: Preserve or restore functions of natural systems while minimizing hazard losses (Natural Resource Protections)
  - Objective 5: Construct and maintain structural projects to reduce or redirect the impact of hazards away from at-risk populations and facilities (Structural Projects)
  - Objective 6: Protect people and property during and after a disaster event in order to minimize its impact and preserve community health and safety (Emergency Services)

### *Identification and Analysis of Mitigation Actions*

FEMA guidance for local hazard mitigation planning requires examining a comprehensive range of mitigation actions and projects for each hazard. Six broad categories are used in FEMA guidance documents to describe a range of mitigation measures.

#### Range of Mitigation Measures

1. Preventative Measures (PM) – Government administrative or regulatory actions or processes are developed and implemented that influence the way land and buildings are developed and built. These actions also include public activities to reduce hazard losses. Preventive measures are used to keep problems from getting started or getting worse. Mitigation measures that fall into this group include planning and zoning, building codes, conducting technical studies, inspection, enforcement, implementation, hazard analysis and risk assessment, security, capital improvement programs, open space preservation, and storm water management regulations. Community participation in the National Flood Insurance Program (NFIP) also protects both individuals and the community as a whole from devastating losses.
2. Property Protection (PP) – These are measures that involve the modification of existing buildings or structures to protect them from a hazard(s) or removal from the hazard area. They are implemented in order to remove people, property, and businesses permanently out of unsafe areas where, in terms of wise disaster planning, they should not have been in the first place. Property protection measures include acquisition, elevation, relocation, and structural retrofits.
3. Public Education and Awareness (PE) – These measures help to inform and educate citizens, elected officials, and property owners about the hazards and potential ways to mitigate them. These measures include outreach projects, real estate disclosure, hazard information centers, and school age and adult education programs.

4. Natural Resource Protections (NR) – These are actions that, in addition to minimizing hazard losses, also preserve or restore the functions of natural systems. These actions include sediment and erosion control, stream corridor protections and restoration, watershed management, forest and vegetation management, and wetland restoration and preservation.
5. Emergency Services (ES) – These actions protect people and property during and after a disaster event in order to minimize its impact and preserve the community’s health and safety. Emergency services include warning systems, monitoring systems, response and recovery planning, emergency response services, evacuations, protection of critical facilities, acquisition of equipment to facilitate the delivery of these services, and training for responders in emergency situations.
6. Structural Projects (SP) – These projects involve the construction and maintenance of structures to reduce or redirect the impact of a hazard away from at-risk populations and facilities. Such structures include, but are not limited to, dams, levees, floodwalls, seawalls, retaining walls, and safe rooms.

Please refer to Chapter 3 for the hazard prioritization process. Hazard priorities vary by jurisdiction. Comparisons from the *Scott County Multi-Jurisdictional Hazard Mitigation Plan, 2012* natural hazard priorities and the updated priorities are listed below (in priority order) for each jurisdiction. The identified hazards and their ranking may differ somewhat for individual jurisdictions based on their unique conditions within Scott County.

**Unincorporated Scott County:**

2012 Ranked Hazards	2017 Ranked Hazards
Thunderstorm, Lightning, Hail	Flash Flood
Extreme Heat	River Flood
River Flood	Thunderstorm, Lightning, Hail
Severe Winter Storm	Windstorm
Grass and Wildland Fires	Severe Winter Storm
Windstorm	Tornado
Dams	Grass and Wildland Fires
Flash Flood	Earthquake
Tornado	Drought
Landslide/Sinkhole	Expansive Soils
Levee Failure	Extreme Heat
Earthquake	Dams
Drought	Landslide/Sinkhole
Expansive Soils	Levee Failure

**City of Bettendorf:**

2012 Ranked Hazards	2017 Ranked Hazards
Flash Flood	Thunderstorm, Lightning, Hail
Thunderstorm, Lightning, Hail	Flash Flood
Windstorm	Windstorm
Grass and Wildland Fires	Grass and Wildland Fires
Severe Winter Storm	Levee Failure
Drought	Severe Winter Storm
River Flood	Extreme Heat
Levee Failure	River Flood
Extreme Heat	Tornado
Tornado	Drought
Earthquake	Earthquake
Landslide/Sinkhole	Landslide/Sinkhole
Dams	Dams
Expansive Soils	Expansive Soils

**City of Blue Grass:**

2012 Ranked Hazards	2017 Ranked Hazards
Tornado	Tornado
Windstorm	Windstorm
Severe Winter Storm	Severe Winter Storm
Thunderstorm, Lightning, Hail	Thunderstorm, Lightning, Hail
Grass and Wildland Fires	Grass and Wildland Fires
Drought	Drought
Extreme Heat	Extreme Heat
Flash Flood	Flash Flood
Earthquake	Earthquake
Dams	Dams
Expansive Soils	Expansive Soils
Landslide/Sinkhole	Landslide/Sinkhole
Levee Failure	Levee Failure
River Flood	River Flood

**City of Buffalo:**

2012 Ranked Hazards	2017 Ranked Hazards
River Flood	Landslide/Sinkhole
Extreme Heat	Windstorm
Flash Flood	River Flood
Severe Winter Storm	Thunderstorm, Lightning, Hail
Thunderstorm, Lightning, Hail	Tornado
Tornado	Severe Winter Storm
Windstorm	Extreme Heat
Grass and Wildland Fires	Grass and Wildland Fires
Drought	Flash Flood
Dams	Drought
Earthquake	Expansive Soils
Expansive Soils	Levee Failure
Landslide/Sinkhole	Dams
Levee Failure	Earthquake

**City of Davenport:**

2012 Ranked Hazards	2017 Ranked Hazards
River Flood	Flash Flood
Flash Flood	Thunderstorm, Lightning, Hail
Windstorm	Windstorm
Thunderstorm, Lightning, Hail	Severe Winter Storm
Severe Winter Storm	River Flood
Tornado	Tornado
Earthquake	Grass and Wildland Fires
Extreme Heat	Earthquake
Landslide/Sinkhole	Extreme Heat
Grass and Wildland Fires	Expansive Soils
Dams	Landslide/Sinkhole
Drought	Levee Failure
Expansive Soils	Dams
Levee Failure	Drought

**City of Dixon:**

2012 Ranked Hazards	2017 Ranked Hazards
Severe Winter Storm	Severe Winter Storm
Windstorm	Windstorm
Tornado	Tornado
Dams	Dams
Drought	Drought
Earthquake	Earthquake
Expansive Soils	Expansive Soils
Extreme Heat	Extreme Heat
Flash Flood	Flash Flood
Grass and Wildland Fires	Grass and Wildland Fires
Landslide/Sinkhole	Landslide/Sinkhole
Levee Failure	Levee Failure
River Flood	River Flood
Thunderstorm, Lightning, Hail	Thunderstorm, Lightning, Hail

**City of Donahue:**

2012 Ranked Hazards	2017 Ranked Hazards
Thunderstorm, Lightning, Hail	Thunderstorm, Lightning, Hail
Grass and Wildland Fires	Grass and Wildland Fires
Windstorm	Windstorm
Severe Winter Storm	Severe Winter Storm
Drought	Drought
Flash Flood	Flash Flood
River Flood	River Flood
Tornado	Tornado
Extreme Heat	Extreme Heat
Dams	Dams
Levee Failure	Levee Failure
Earthquake	Earthquake
Expansive Soils	Expansive Soils
Landslide/Sinkhole	Landslide/Sinkhole

**City of Eldridge:**

2012 Ranked Hazards	2017 Ranked Hazards
Windstorm	Windstorm
Tornado	Tornado
Thunderstorm, Lightning, Hail	Thunderstorm, Lightning, Hail
Extreme Heat	Extreme Heat
Severe Winter Storm	Severe Winter Storm
Drought	Drought
Earthquake	Earthquake
Grass and Wildland Fires	Grass and Wildland Fires
Flash Flood	Flash Flood
Expansive Soils	Expansive Soils
Dams	Dams
Landslide/Sinkhole	Landslide/Sinkhole
Levee Failure	Levee Failure
River Flood	River Flood

**City of LeClaire:**

2012 Ranked Hazards	2017 Ranked Hazards
Windstorm	Windstorm
Severe Winter Storm	Severe Winter Storm
Thunderstorm, Lightning, Hail	Thunderstorm, Lightning, Hail
Tornado	Tornado
Grass and Wildland Fires	Grass and Wildland Fires
Extreme Heat	Extreme Heat
Flash Flood	Flash Flood
Levee Failure	Levee Failure
River Flood	River Flood
Dams	Dams
Landslide/Sinkhole	Landslide/Sinkhole
Earthquake	Earthquake
Drought	Drought
Expansive Soils	Expansive Soils

**City of Long Grove:**

2012 Ranked Hazards	2017 Ranked Hazards
Severe Winter Storm	Severe Winter Storm
Tornado	Windstorm
Windstorm	Thunderstorm, Lightning, Hail
Thunderstorm, Lightning, Hail	Tornado
Drought	Drought
Earthquake	Earthquake
Extreme Heat	Extreme Heat
Grass and Wildland Fires	Grass and Wildland Fires
Dams	Dams
Flash Flood	Flash Flood
Expansive Soils	Expansive Soils
Landslide/Sinkhole	Landslide/Sinkhole
Levee Failure	Levee Failure
River Flood	River Flood

**City of Maysville:**

2012 Ranked Hazards	2017 Ranked Hazards
Thunderstorm, Lightning, Hail	Thunderstorm, Lightning, Hail
Grass and Wildland Fires	Grass and Wildland Fires
Severe Winter Storm	Severe Winter Storm
Drought	Drought
Windstorm	Windstorm
Extreme Heat	Extreme Heat
Earthquake	Earthquake
Expansive Soils	Expansive Soils
Tornado	Tornado
Dams	Dams
Flash Flood	Flash Flood
Landslide/Sinkhole	Landslide/Sinkhole
Levee Failure	Levee Failure
River Flood	River Flood

**City of McCausland (Non-Participating):**

2012 Ranked Hazards	2017 Ranked Hazards
Tornado	—
River Flood	—
Flash Flood	—
Grass and Wildland Fires	—
Extreme Heat	—
Levee Failure	—
Thunderstorm, Lightning, Hail	—
Windstorm	—
Drought	—
Severe Winter Storm	—
Landslide/Sinkhole	—
Expansive Soils	—
Dams	—
Earthquake	—

**City of New Liberty (Non-Participating):**

2012 Ranked Hazards	2017 Ranked Hazards
Thunderstorm, Lightning, Hail	—
Extreme Heat	—
River Flood	—
Severe Winter Storm	—
Windstorm	—
Tornado	—
Earthquake	—
Grass and Wildland Fires	—
Landslide/Sinkhole	—
Dams	—
Drought	—
Expansive Soils	—
Flash Flood	—
Levee Failure	—

**City of Panorama Park:**

2012 Ranked Hazards	2017 Ranked Hazards
Thunderstorm, Lightning, Hail	Thunderstorm, Lightning, Hail
Extreme Heat	Extreme Heat
River Flood	River Flood
Severe Winter Storm	Severe Winter Storm
Windstorm	Windstorm
Flash Flood	Flash Flood
Tornado	Tornado
Earthquake	Earthquake
Grass and Wildland Fires	Grass and Wildland Fires
Landslide/Sinkhole	Landslide/Sinkhole
Drought	Drought
Dams	Dams
Expansive Soils	Expansive Soils
Levee Failure	Levee Failure

**City of Princeton:**

2012 Ranked Hazards	2017 Ranked Hazards
Tornado	Tornado
River Flood	River Flood
Flash Flood	Flash Flood
Grass and Wildland Fires	Grass and Wildland Fires
Drought	Drought
Extreme Heat	Extreme Heat
Levee Failure	Levee Failure
Thunderstorm, Lightning, Hail	Thunderstorm, Lightning, Hail
Windstorm	Windstorm
Severe Winter Storm	Severe Winter Storm
Landslide/Sinkhole	Landslide/Sinkhole
Expansive Soils	Expansive Soils
Dams	Dams
Earthquake	Earthquake

**City of Riverdale:**

2012 Ranked Hazards	2017 Ranked Hazards
River Flood	River Flood
Severe Winter Storm	Severe Winter Storm
Tornado	Tornado
Windstorm	Windstorm
Grass and Wildland Fires	Grass and Wildland Fires
Flash Flood	Flash Flood
Drought	Drought
Thunderstorm, Lightning, Hail	Thunderstorm, Lightning, Hail
Extreme Heat	Extreme Heat
Levee Failure	Levee Failure
Dams	Dams
Landslide/Sinkhole	Landslide/Sinkhole
Expansive Soils	Expansive Soils
Earthquake	Earthquake



**City of Walcott:**

2012 Ranked Hazards	2017 Ranked Hazards
Thunderstorm, Lightning, Hail	Windstorm
Tornado	Thunderstorm, Lightning, Hail
Windstorm	Severe Winter Storm
Severe Winter Storm	Tornado
Extreme Heat	Earthquake
Earthquake	Flash Flood
Grass and Wildland Fires	Extreme Heat
Drought	Grass and Wildland Fires
Flash Flood	Expansive Soils
Dams	Landslide/Sinkhole
Expansive Soils	Drought
Landslide/Sinkhole	Dams
Levee Failure	Levee Failure
River Flood	River Flood

***Evaluation of Alternative Mitigation Actions***

For the previous effort, the Planning Committee brainstormed possible mitigation actions to address the first priority hazards. Next, the actions were assigned to appropriate goals. The actions were then sorted by the six categories within the comprehensive range of mitigation actions to identify whether other actions might be considered. The Planning Committee then decided to utilize the six categories as objectives. The original action concepts were edited into consistent language of actionable items. The six objectives were retained for this plan update. Existing mitigation actions were reviewed by each jurisdiction to determine what progress had been made and to evaluate efficacy.

Actions were evaluated using the STAPLEE method recommended by FEMA guidance for local hazard mitigation planning. This method provides a systematic way of evaluating the opportunities and constraints of implementing a particular mitigation action in the local jurisdiction. STAPLEE is an acronym for evaluating each action in terms of Social, Technical, Administrative, Political, Legal, Economic, and Environmental (STAPLEE) factors for implementation. A more detailed explanation of the STAPLEE evaluation method is included as Appendix IV-1.

Because of the extensive detail of the STAPLEE analysis, that information is included as Appendix IV-3. This appendix contains the list of all mitigation actions selected, including the first priority hazard or hazards addressed, the category of mitigation measure, information on funding, the responsible party of implementation/administration, and an approximate timeframe for completion of the mitigation action. The comments in the STAPLEE appendix indicate whether the action is recommended as a priority action and whether an action should be revisited during the update of future plans. Information also includes whether the action applies to existing or new community assets.

Cost benefit analysis for each action is captured in the STAPLEE. This is noted as part of the economic considerations for each.

***Multi-Jurisdiction Mitigation Actions***

Each participating jurisdiction identified at least one of its own actions to carry out. Each jurisdiction completed the STAPLEE evaluation method for each mitigation action their jurisdiction intended to carry out; those STAPLEE evaluations are included as Appendix IV-4. The individual jurisdiction priority actions are summarized in Table 4-1. The actions are listed in priority order for each jurisdiction.

A status of each action is included to indicate what progress has been made toward actions as identified in the 2012 plan. The status abbreviations correspond with the following:

- (C) Complete
- (I) Incomplete
- (OC) On-going as part of a continuous cycle
- (OP) Ongoing, In Progress or In Development
- (R) Remove

FEMA Region VII has stated that there is no obligation to carry out the mitigation actions listed below due to the fiscal, economic, political, and logistical limitations jurisdictions may face. Mitigation actions are not required to be completed within the stated timelines in the STAPLEE evaluations. Mitigations listed below have been re-evaluated during the plan update to determine if they are still relevant to each jurisdiction and re-evaluated with subsequent updates.

**Table 4-1  
Multi-Jurisdictional Priority Actions**

Action ID	Goals	Objectives	Action Strategy	Action Measures	Hazards Addressed	Status of Action	New for 2018 (Y/N)
<b>Bettendorf</b>							
1.1	1	1, 6	Ensure First Responders are aware of hazardous materials kept at each site.	PM, ES	Fixed Hazardous Materials Incident	C	N
1.2	1	1, 6	Create detour and road closure plans for flooded areas	PM, ES	Flash Flood, River Flood	C	N
1.3	1	3	Encourage use of NOAA weather radios	PE	All Hazards	C	N
1.4	1	6	Identify potential treatment locations for biological, radiological and chemical exposures	ES	Biological Terrorism, Radiological Terrorism, Fixed Radiological Incident, Transportation of Radiological Materials Incident, Chemical Terrorism	C	N
1.5	1	6	Provide treatment locations for pandemic disease and fixed radiological incident	ES	Human Disease Pandemic, Fixed Radiological Incident	OC	N
1.6	1, 2	1	Encourage use of certain routes for transportation of hazardous materials	PM	Transportation of Hazardous Materials	C	N
1.7	1, 2	2, 6	Pre-treat roads before severe winter storms	PP, ES	Severe Winter Storm, Highway Transportation Incident	C	N
1.8	1, 4	3, 2, 6	Encourage those dependent on oxygen extractors to install back-up generators	PE, PP, ES	Energy Failure	OC	N
1.9	1, 2, 3	4, 5	Monitor tree health and remove damaged or weak branches	NR, SP	Windstorm, Animal/Plant/Crop Disease	C	N
2.1	2	1	Create additional railroad right-of-way separation requirements from residential areas.	PM	Railway Transportation Incident	OP	N
2.2	2	1	Continue NFIP compliance by enforcing floodplain ordinances based on the State of Iowa Model Code	PM	River Flood	C	N
2.3	2	1	Maintain controlled burn measures and procedures implemented by the Fire department	PM	Grass and Wildland Fire	C	N

Action ID	Goals	Objectives	Action Strategy	Action Measures	Hazards Addressed	Status of Action	New for 2018 (Y/N)
2.4	2	1	Require utility companies to mark approximate locations of pipeline utilities	PM	Pipeline Transportation Incident	C	N
2.5	2	2, 5	Adopt and enforce current building codes	PP, SP	Windstorm, Severe Winter Storm, Tornado, Structural Fire	C	N
2.6	2	3	Educate public about plant disease, infestation and plant removal techniques	PE	Animal/Plant/Crop Disease	C	N
2.7	2, 3	1	Ensure hazardous materials sites are monitored.	PM	Fixed Hazardous Materials Incident	C	N
2.8	2, 3	1	Encourage development where adequate facilities and infrastructure exists	PM	All Hazards	OC	N
2.9	2, 3	1, 4	Develop and implement stormwater regulations and drainage plans	PM, NR	Flash Flood, River Flood	OP	N
2.10	2, 3	1, 2, 4	Seek all appropriate available grants for the purpose of mitigating flood prone residential properties by use of buyout programs and return the properties in the flood zone back to open space eliminating future flood threats.	PM, PP, NR	Flash Flood, River Flood	OP/OC	Y
3.1	3	1	Encourage the planting of more drought resistant landscape	PM	Drought	C	N
3.2	3	1, 3	Educate the public on water conservation measures such as low flow plumbing devices or reuse of grey water for irrigation	PE, PM	Drought	C	N
3.3	3	1, 6	Analyze high traffic accident locations for possible solutions	PM, SP	Highway Transportation Incident	C	N
3.4	3	1, 6	Conduct safety inspections of levees and maintain protection certification through US Army Corps of Engineers	PM, SP	Levee Failure	C	N
3.5	3	2	Be proactive with virus protection and store back-up data in offsite location	PP	Cyber Terrorism	C	N

Action ID	Goals	Objectives	Action Strategy	Action Measures	Hazards Addressed	Status of Action	New for 2018 (Y/N)
3.6	3	3	Assist in promotion of vaccination programs with local, state and federal officials	ES	Human Disease Pandemic, Human Disease Incident	C	N
3.7	3	6	Ensure all critical facilities have back-up generators	ES	Energy Failure	OP	N
4.1	4	3	Communicate snow removal policies with the public to ensure most efficient removal of snow	PE	Severe Winter Storm	C	N
4.1	4	1, 3	Implement wildfire prevention program	PM, PE	Grass and Wildland Fire	C	N
4.11	4	3	Educate citizens on fire hazards and what to do in the event of a fire	PE	Structural Fire	C	N
4.12	4	3	Educate citizens on the importance of smoke detectors and encourage their use	PE	Structural Fire	C	N
4.13	4	3	Educate the public on what river flood levels on the Mississippi and Wapsipinicon actually mean	PE	River Flood	C	N
4.14	4	3	Educate the public on sandbagging techniques and other flood prevention technologies	PE	River Flood	C	N
4.15	4	3	Educate the public on the dangers of flash flooding	PE	Flash Flood	C	N
4.16	4	3	Promote state and federal remediation programs for windstorm and animal/crop/plant disease incidents	PE	Windstorm, Animal/Plant/Crop Disease	OC	N
4.17	4	3, 6	Educate the public in the area surrounding hazardous materials sites of emergency procedures in case of a spill or release.	PE, ES	Fixed Hazardous Materials Incident	OC	N
4.18	4	3, 6	Educate the public on river flooding and what they need to do when an event occurs	PE, ES	River Flood	C	N
4.19	4	3, 6	Educate the public on how to minimize damage their residences and businesses	PE, ES	River Flood	OC	N
4.2	4	3	Educate the public on the dangers of lightning	PE	Thunderstorm & Lightning	C	N

Action ID	Goals	Objectives	Action Strategy	Action Measures	Hazards Addressed	Status of Action	New for 2018 (Y/N)
4.2	4	3, 6	Consider the use social media such as Twitter, Facebook or mass texting systems to notify the public on hazardous events	PE, ES	All Hazards	C	N
4.21	4	6	Create and/or regularly review procedures for chemical, biological, radiological, enemy attack or flooding incidents	ES	Biological Terrorism, Radiological Terrorism, Fixed Radiological Incident, Transportation of Radiological Materials Incident, Chemical Terrorism, Enemy Attack, River Flood	OC	N
4.22	4	6, 1	Monitor water levels and notify the public when flooding will occur and where	ES, PM	Flash Flood, River Flood	C	N
4.3	4	3	Educate the public and businesses about NFIP and the floodplain in general	PE	River Flood	C	N
4.4	4	3	Utilize ITS signs to communicate safe driving messages and to alert drives to hazardous conditions	PE	Highway Transportation Incident	C	N
4.5	4	3	Notify the public on warming shelter locations	PE	Severe Winter Storm, Energy Failure	C	N
4.6	4	3	Educate the public on the dangers of traveling during severe winter storms	PE	Severe Winter Storm	C	N
4.7	4	3	Educate the public on maintaining a fire safe home or business	PE	Structural Fire	C	N
4.8	4	3	Educate the public on the dangers of tornados and what to do during a tornado	PE	Tornado	C	N
4.9	4	3	Communicate the locations of community shelters	PE	Severe Winter Storm, Energy Failure, Extreme Heat	C	N
5.1	5	1	Make sure hazardous materials sites keep their inventory of materials current.	PM	Fixed Hazardous Materials Incident	C	N
5.2	5	1	Have regular training for water rescue and updated equipment	PM	Waterway Incident	OC	N

Action ID	Goals	Objectives	Action Strategy	Action Measures	Hazards Addressed	Status of Action	New for 2018 (Y/N)
5.3	5	1	Maintain mutual aid response policy established by local governments/agencies	PM	All Hazards	C	N
5.4	5	1, 6	Ensure First Responders have rescue plans for severe weather.	PM, ES	All Natural Hazards	C	N
5.5	5	1, 6	Encourage First Responders to share resources and equipment	PM, ES	All Hazards	C	N
5.6	5	1, 6	Maintain communication and training with military and law enforcement efforts in case of enemy attack	PM, ES	Enemy Attack, Conventional Terrorism	OC	N
5.7	5	6	Clear driveways of first responders in order to ensure quicker response times	ES	Severe Winter Storm	C	N
<b>Bettendorf CSD</b>							
1.1	1	5	Consider safe room construction where vulnerable populations may not have other sources of shelter	SP	Tornado	OP	N
1.2	1, 2	2, 5	Consider back-up generators at public critical facilities	SP, PP	Energy Failure	OP	N
4.1	4, 5	3	Provide NOAA weather radios to schools, municipal buildings, and public assembly facilities where large groups of people may congregate	PE	All Hazards	C	N
<b>Blue Grass</b>							
1.1	1	1, 6	Ensure First Responders are aware of hazardous materials kept at each site.	PM, ES	Fixed Hazardous Materials Incident	OC	N
1.2	1	3	Promote use of NOAA weather radios	PE	All Hazards	C	N
1.3	1, 2	5, 2	Ensure each public critical facilities have back-up generators	SP, PP	Energy Failure	I	N
2.1	2	1	Join the National Flood Insurance Program	PM	River Flood, Flash Flood	I	N
2.2	2, 3	1	Ensure hazardous materials sites are monitored.	PM	Fixed Hazardous Materials Incident	OC	N

Action ID	Goals	Objectives	Action Strategy	Action Measures	Hazards Addressed	Status of Action	New for 2018 (Y/N)
2.3	2, 3	5	Ensure hydrants are maintained and well identified	SP	Structural Fire	R	N
3.1	3	5	Construct, retrofit or maintain drainage systems to provide adequate and proper functioning systems to include sewage systems and retention/detention ponds.	SP	River Flood, Levee Failure, Flash Flood, Dam Failure, Drought, Human Disease Incident, Structural Failure, Sinkholes & Land Subsidence	OC	N
4.1	4	3	Notify the public on warming shelter locations	PE	Severe Winter Storm, Energy Failure	OC	N
4.2	4	3	Educate the public on the dangers of tornados and what to do during a tornado	PE	Tornado	OC	N
4.3	4	3	Educate citizens on fire hazards and what to do in the event of a fire	PE	Structural Fire	OC	N
4.4	4	3	Educate citizens on the importance of smoke detectors and encourage their use	PE	Structural Fire	OC	N
4.5	4	3	Promote the Waste Commission of Scott County Household Hazardous Material collection facilities for proper disposal of household hazardous waste	PE	Transportation of Hazardous Materials Incident	OP	N
4.6	4	3, 6	Educate the public in the area surrounding hazardous materials sites of emergency procedures in case of a spill or release.	PE, ES	Fixed Hazardous Materials Incident	OP	N
4.7	4	3, 6	Encourage the public to check on the disabled, elderly, and other vulnerable populations	PE, ES	All Hazards	OP	N
5.1	5	1	Make sure hazardous materials sites keep their inventory of materials current.	PM	Fixed Hazardous Materials Incident	OC	N
5.2	5	1, 6	Require First Responders to have rescue plans for severe weather.	PM, ES	All Natural Hazards	OP	N



Action ID	Goals	Objectives	Action Strategy	Action Measures	Hazards Addressed	Status of Action	New for 2018 (Y/N)
5.3	5	1, 6	Encourage First Responders to share resources and equipment and have intergovernmental agreements in place	PM, ES	All Hazards	OP	N
<b>Buffalo</b>							
1.1	1	5	Consider safe room construction where vulnerable populations may not have other sources of shelter	SP	Tornado	I	N
1.2	1, 2	5, 2	Ensure each public critical facilities have back-up generators	SP, PP	Energy Failure	OP	N
2.1	2	1	Continue NFIP compliance by enforcing floodplain ordinances based on the State of Iowa Model Code	PM	River Flood	OC	N
3.1	3	5	Replace or retrofit bridges and culverts to meet capacity requirements	SP	River Flood, Levee Failure, Flash Flood, Dam Failure, Transportation of Hazardous Materials Incident, Fixed Hazardous Materials Incident, Structural Failure, Highway Transportation Incident, Waterway Incident	C	N
3.2	3	5	Construct, retrofit or maintain levees, dams, floodwalls, culverts and floodgates to ensure adequate capacity and protection levels for property and critical facilities	SP	River Flood, Flash Flood, Levee Failure, Dam Failure, Structural Failure	OC	N
4.1	4	3	Communicate the locations of community shelters	PE	Severe Winter Storm, Energy Failure, Extreme Heat	I	N
4.2	4	3, 6	Use social media such as Twitter, Facebook or mass texting systems to notify the public on hazardous events	PE, ES	All Hazards	OP	N

Action ID	Goals	Objectives	Action Strategy	Action Measures	Hazards Addressed	Status of Action	New for 2018 (Y/N)
<b>Davenport</b>							
1.1	1	6	Maintain and enhance City procedures for communicating flood, weather and transportation related warnings and advisories when risk to people and property are possible, probable or imminent.	ES	All	OC	N
1.2	1	2	Fund flood & other mitigation programs either as cost share for grants or full funding (Flood Acquisition Program FAP), for buyout/demolition, elevation, floodproofing actions and safe room construction.	PP	Flood	OP	N
1.3	1	5	Conduct & document inspections and M&O activities for Garden Addition levee and IA-American floodwall projects.	SP	Flood	OC	Y
1.4	1	6	Continue DFD HAZMAT program.	ES	Hazardous spills	OC	N
1.5	1	2	Adopt e-Plan review for ensuring accountability, consistency or review and application of codes for all buildings and land improvement assuring enforcement of all codes.	PP	All	OP	Y
1.6	1	2	Maintain/update disease and pest management plans for City's Urban Forest. Reduce hazards of dead/dying trees; grow tree canopy; reduce heat islands.	PM, PP	Extreme Heat, Flood	OC	Y
2.1	2	3	Continue program compliance and accreditations for NFIP, CRS (upgrade CRS class), StormReady Community, Weather Ready Nation Ambassador and STAR Community programs, among others.	PE	All	OC	N

Action ID	Goals	Objectives	Action Strategy	Action Measures	Hazards Addressed	Status of Action	New for 2018 (Y/N)
2.2	2	1	Continue to maintain and implement a comprehensive Stormwater Management and Floodplain Management Plans which address the regulations, policies, procedures, inspection, maintenance and Capital Improvement planning and prioritization of natural and built surface water infrastructure, including but not limited to: streams and streambanks; detention, retention and infiltration practices; levee system; and structural and non-structural flood control measures, structures and systems.	PM, PE	Flood	OC	N
2.3	2	1	Develop and implement public and private stream buffer regulations, policies and procedures and include in revisions to Subdivision and Flood Damage Prevention ordinances.	NR	Flood	OP	Y
2.4	2	4	Inspect and evaluate private stream/streambank conditions not previously inspected as funding is available and continue regular creek inspection and bank stabilization programs.	NR	Flood	OP	N
2.5	2	4	Develop for future implementation a residential infiltration program to mitigate the effects of increased impervious surface/build-out.	PM, NR	Flood	OP	Y
3.1	3	5	Fund and implement approved river front flood mitigation measures as identified in RiverVision, Riverfront Conceptual Development Plan and the Davenport Flood Mitigation Study.	PP, PE, SP	Flood	OP	Y
3.2	3	3	Develop and conduct periodic risk and vulnerability assessments of critical facilities for corrective action that reduces or eliminates risk or vulnerability.	PM, PP, PE, ES	All	OP	N

Action ID	Goals	Objectives	Action Strategy	Action Measures	Hazards Addressed	Status of Action	New for 2018 (Y/N)
4.1	4	3	Maintain, continue to enhance/implement public education/outreach programs with respect to hazards. Develop and implement a Program for Public Information based on the CRS.	PE	All	OP	N
4.2	4	3	Support/partner with Scott County efforts to establish a Safeguard Iowa Chapter.	PM, PE	All	OP	Y
4.3	4	3	Identify and map at risk/vulnerable populations based on age, disability and income. Target outreach to groups.	PE, ES	All	OP	N
4.4	4	1	Maintain and enhance all relevant hazard mitigation, preparedness and response GIS data and services( up-to-date and ready for use) including but not limited to: asset and infrastructure detail, flood risk data, HAZUS – MH (multi-hazard), US National Grid and locally defined map grid services, IDNR watershed details, rail infrastructure and most recent land contour data received during aerial photography.	PM	All	OP	N
4.5	4	1	Develop and maintain resource inventories of equipment type and personnel credentials/certifications for use during disasters.	PM, ES	All	OP	Y
4.6	4	1	Develop resiliency plans (post disaster recovery planning) by utilizing data from past and continued participation in the Notre Dame Global Adaptation Initiative, ND-Gain Urban Adaptation Assessment and STAR Community programs.	PM, PE	All	OP	Y
4.7	4	3	Maintain, train/exercise and enhance the City's Flood Plan and associated resources.	PM, PP, ES	Flood	OC	N

Action ID	Goals	Objectives	Action Strategy	Action Measures	Hazards Addressed	Status of Action	New for 2018 (Y/N)
4.8	4	6	Develop, maintain, train/exercise and enhance the City's Debris Management Plan and associated resources.	PM, ES	All	OP	N
4.9	4	6	Maintain, train/exercise and enhance the City's Snow and Ice Control Plan and associated resources.	PM, ES	Winter Storm	OC	N
5.1	5	1	Participate in and engage stakeholders in periodic maintenance and exercises of the Davenport/Scott County Local Energy Assurance Plan.	PE, ES	Energy Failure	OC	N
5.2	5	3	Participate in developing flood inundation mapping resources with the Iowa flood Center when opportunity is identified.	PE	Flood	OP	Y
<b>Davenport CSD</b>							
1	1,2	1, 3, 6	Review existing emergency policies and procedures and amend as needed	PM, PE, ES	All Hazards	C	N
2	1,3,4	3, 6	Continue public communication of existing emergency procedures	PE, ES	All Hazards	OC	N
3	1	2	Complete installation of security cameras at all schools	SP	Terrorism	C	N
4	1	5	Secure vestibules with outdoor camera	SP	Terrorism	OP	N
5	1	2	Reinforce doors at school for tornado safety and increased security	SP	Tornado, Terrorism	OP	N
6	1	2, 5, 6	Harden all exterior doors with stronger door or ballistic film on glass in all schools	PP, SP, ES	Terrorism, Tornado	C	N
7	1	5	Construct a tornado shelter at Kimberly Center	SP	Tornado	OP	N
8	1	5	Construct multi-purpose safe rooms at multiple district locations within the district	SP	Tornado	OP	N

Action ID	Goals	Objectives	Action Strategy	Action Measures	Hazards Addressed	Status of Action	New for 2018 (Y/N)
9	1,2	1, 2, 4, 5	Build a berm around Brady Street Stadium to prevent flash flooding. This would include compensatory storage for displaced water.	PM, PP, NR, SP	Flash Flood, River Flood	R	N
10	4	6	Purchase radios at 800mh to run off city network for emergency response	ES	All Hazards	C	N
11	1	1	Provide NOAA weather radios for all district properties	PM	All Hazards	C	N
12	1,2	1,6	Install back-up generators at district facilities as feasible	PM, ES	All Hazards	OP	N
13	1	1	Research lightning detectors for schools and athletic venues. Purchase and install if feasible.	PM	Thunderstorm & Lightning	OP	N
<b>Dixon</b>							
1.1	1	3	Promote use of NOAA weather radios	PE	All Hazards	OC	N
1.2	1, 3	1	Pre-treat roads before severe winter storms	PM	Severe Winter Storm	OC	N
2.1	2, 3	5	Ensure hydrants are maintained and well identified	SP	Structural Fire	OC	N
4.1	4	3	Educate the public on the dangers of tornados and what to do during a tornado	PE	Tornado	OC	N
4.2	4	3	Develop a check-on-neighbor program for vulnerable populations	PE	All Hazards	OP	N
<b>Donahue</b>							
3.1	3	5	Construct, retrofit or maintain drainage systems to provide adequate and proper functioning systems to include sewage systems and retention/detention ponds.	SP	River Flood, Levee Failure, Flash Flood, Dam Failure, Drought, Human Disease Incident, Structural Failure, Sinkholes & Land Subsidence	OP	N
5.1	5	6, 1	Recommend a policy change to assign an on call secondary roads plow to ambulance and fire stations to ensure safety of responders during extreme weather hazards	ES, PM	Severe Winter Storm	OP	N

Action ID	Goals	Objectives	Action Strategy	Action Measures	Hazards Addressed	Status of Action	New for 2018 (Y/N)
<b>EICCD</b>							
1.1	1	5	Consider safe room construction where vulnerable populations may not have other sources of shelter	SP	Tornado	OP	N
1.2	1, 2	2, 5	Ensure each public critical facilities have back-up generators	SP, PP	Energy Failure	OP	N
4.1	4, 5	3	Provide NOAA weather radios to schools, municipal buildings, and public assembly facilities where large groups of people my congregate	PE	All Hazards	OP	N
<b>Eldridge</b>							
1.1	1	1	Evaluate need for traffic re-routing plan and create plan if needed	PM	Fixed Hazardous Materials Incident	OP	N
1.2	1	2	Provide back-up power for essential services such as water plant, water wells, sewer lift stations and emergency shelter.	PP	Thunderstorm & Lightening, Windstorm, Severe Winter Storm, Energy Failure, Tornado	OC	N
1.3	1, 2	1	Enforce building codes for prevailing winds	PM	Windstorm, Structural Fire	OC	N
1.4	1, 2	1	Evaluate traffic hazards in likely areas	PM	Transportation of Hazardous Materials Incident, Highway Transportation Incident	OP	N
2.1	2	1	Enforce floodplain regulations	PM	Flash Flood; River Flood	OC	N
2.2	2	1	Enforce property maintenance and building codes	PM	Structural Fire	OC	N
2.3	2	5	Evaluate storm sewer system and detention ponds	SP	Flash Flood	OC	N
3.1	3	1	Have water conservation plan in place	PM	Drought	OP	N
3.2	3	5	Maintain water system (adequate well, storage and treatment capacity)	SP	Drought	OC	N
4.1	4	1	Make sure Hazardous Material warning signs are posted as required	PM	Fixed Hazardous Materials Incident	OC	N
4.2	4	3	Educate public on Thunderstorm & Lightning hazards and Tornados and inform on siren use	PE	Thunderstorm & Lightening, Tornado	OC	N

Action ID	Goals	Objectives	Action Strategy	Action Measures	Hazards Addressed	Status of Action	New for 2018 (Y/N)
4.3	4	3	Inform public on value of managing trees properly (remove dead branches, etc.)	PE	Windstorm	OC	N
4.4	4	3	Inform public of availability of emergency shelter	PE	Windstorm, Severe Winter Storm, Energy Failure, Tornado	OC	N
4.5	4	3	Educate public on need to be prepared for severe winter storms	PE	Severe Winter Storm	OC	N
4.6	4	3	Educate public to stay indoors during Severe Winter Storms, Thunderstorm & Lightning, Tornados, and Hailstorm	PE	Severe Winter Storm, Thunderstorm & Lightning, Tornado, Hailstorm, Windstorm	OC	N
4.7	4	3	Educate public on need for water conservation	PE	Drought	OC	N
5.1	5	1	Verify siren operation	PM	Thunderstorm & Lightening, Tornado, Windstorm	OC	N
5.2	5	6	Make sure emergency crews are prepared	ES	Transportation of Hazardous Materials Incident, Highway Transportation Incident	OC	N
<b>LeClaire</b>							
1.1	1	5	Consider safe room construction where vulnerable populations may not have other sources of shelter	SP	Tornado	OP	N
1.2	1, 2	2, 6	Pre-treat roads before severe winter storms	PP, ES	Severe Winter Storm, Highway Transportation Incident	C	N
1.3	1, 2, 3	4, 5	Monitor tree health and remove damaged or weak branches	NR, SP	Windstorm, Animal/Plant/Crop Disease	OC	N
2.1	2, 3	1	Encourage development where adequate facilities and infrastructure exists	PM	All Hazards	OC	N
3.1	3	2	Be proactive with virus protection and store back-up data in offsite location	PP	Cyber Terrorism	C	N



Action ID	Goals	Objectives	Action Strategy	Action Measures	Hazards Addressed	Status of Action	New for 2018 (Y/N)
3.2	3	4	Complete watershed and hydrology studies of the creeks and rivers within Scott County	NR	River Flooding, Levee Failure, Flash Flood, Dam Failure, Drought, Sinkholes & Land Subsidence, Landslide, Expansive Soils	OC	N
3.3	3	5	Utilize traffic calming measures	SP	Highway Transportation Incident	OP	N
3.4	3	5	Identify critical facilities such as lift stations where back-up power generators should be installed; seek funding for installation as needed.	SP	Energy Failure, River Flood	C	N
3.6	3	5	Develop stream modification/channel improvement project	SP	River Flood, Flash Flood, Levee Failure, Dam Failure	I	N
3.7	3	5	Remove asbestos from public buildings	SP	Fixed Hazardous Materials Incident, Human Disease Incident, Structure Failure, Structural Fire	I	N
4.1	4	3	Notify the public on warming shelter locations	PE	Severe Winter Storm, Energy Failure	OP	N
4.2	4	3	Communicate snow removal policies with the public to ensure most efficient removal of snow	PE	Severe Winter Storm	OC	N
4.3	4	3	Communicate the locations of community shelters	PE	Severe Winter Storm, Energy Failure, Extreme Heat	OP	N
4.4	4	3, 6	Use social media such as Twitter, Facebook or mass texting systems to notify the public on hazardous events	PE, ES	All Hazards	OP	N
5.1	5	1, 6	Require First Responders to have rescue plans for severe weather.	PM, ES	All Natural Hazards	OC	N
5.2	5	1, 6	Encourage First Responders to share resources and equipment and have intergovernmental agreements in place	PM, ES	All Hazards	OC	N

Action ID	Goals	Objectives	Action Strategy	Action Measures	Hazards Addressed	Status of Action	New for 2018 (Y/N)
5.3	5	6, 1	Recommend a policy change to assign an on call secondary roads plow to ambulance and fire stations to ensure safety of responders during extreme weather hazards	ES, PM	Severe Winter Storm	OC	N
<b>Long Grove</b>							
2.1	2	1	Adopt and enforce current building codes	PM	Windstorm, Severe Winter Storm, Tornado, Structural Fire	OP	N
3.1	3	1, 6	Construct sand and salt storage facility	PM, ES	Severe Winter Storm	C	N
3.2	3	6	Ensure each public facility has back-up generators	ES	Energy Failure	C	N
3.3	3, 1	5, 1	Install second well	SP, PM	Drought	C	N
3.4	3, 2	1	Adopt SUDAS for Infrastructure Construction standards	PM	Structural Failure, Severe Winter Storm	OP	N
<b>Maysville</b>							
4.1	4	3	Educate the public on the dangers of tornados and what to do during a tornado	PE	Tornado	OC	N
4.2	4	3	Communicate the locations of community shelters	PE	Severe Winter Storm, Energy Failure, Extreme Heat	OC	N
4.3	4	3	Educate citizens on the importance of smoke detectors and encourage their use	PE	Structural Fire	OC	N
<b>McCausland (Not Participating)</b>							
1.1	1, 2	2, 3	Pre-treat roads before severe winter storms	PP, ES	Severe Winter Storm, Highway Transportation Incident		N
1.2	1, 2	5, 2	Ensure each public critical facilities have back-up generators	SP, PP	Energy Failure		N
1.3	1, 3	5	Construct public safe rooms for government facility functions, critical facility functions, recreational areas, manufactured home parks, schools and day care centers	SP	Tornado, Thunderstorm & Lightning, Hailstorm, Windstorm		N

Action ID	Goals	Objectives	Action Strategy	Action Measures	Hazards Addressed	Status of Action	New for 2018 (Y/N)
1.4	1, 4	3, 2, 6	Encourage those dependent on oxygen extractors to install back-up generators	PE, PP, ES	Energy Failure		N
1.5	1, 2, 3	4, 5	Monitor tree health and remove damaged or weak branches	NR, SP	Windstorm, Animal/Plant/Crop Disease		N
2.1	2	1	Join the National Flood Insurance Program	PM	River Flood, Flash Flood		N
3.2	3	5	Identify critical facilities such as lift stations where back-up power generators should be installed	SP	Energy Failure, River Flood		N
4.1	4	3	Educate the public and businesses about NFIP and the floodplain in general	PE	River Flood		N
4.2	4	3	Educate the public on the dangers of traveling during severe winter storms	PE	Severe Winter Storm		N
4.3	4	3	Communicate snow removal policies with the public to ensure most efficient removal of snow	PE	Severe Winter Storm		N
4.4	4	3	Educate the public on the dangers of tornados and what to do during a tornado	PE	Tornado		N
4.5	4	3	Communicate the locations of community shelters	PE	Severe Winter Storm, Energy Failure, Extreme Heat		N
4.6	4	3	Educate citizens on fire hazards and what to do in the event of a fire	PE	Structural Fire		N
4.7	4	3	Promote the Waste Commission of Scott County Household Hazardous Material collection facilities for proper disposal of household hazardous waste	PE	Transportation of Hazardous Materials Incident		N
4.8	4	3, 6	Encourage the public to check on the disabled, elderly, and other vulnerable populations	PE, ES	All Hazards		N
3.1	3	2	Be proactive with virus protection and store back-up data in offsite location	PP	Cyber Terrorism		N

Action ID	Goals	Objectives	Action Strategy	Action Measures	Hazards Addressed	Status of Action	New for 2018 (Y/N)
<b>New Liberty (Not Participating)</b>							
1.1	1	5	Consider safe room construction where vulnerable populations may not have other sources of shelter	SP	Tornado		N
1.2	1, 2	2, 5	Ensure each public critical facilities have back-up generators	SP, PP	Energy Failure		N
4.1	4, 5	3	Provide NOAA weather radios to schools, municipal buildings, and public assembly facilities where large groups of people my congregate	PE	All Hazards		N
<b>North Scott CSD</b>							
1.1	1	5	Consider safe room construction where vulnerable populations may not have other sources of shelter	SP	Tornado	C	N
1.2	1, 2	2, 5	Ensure each public critical facilities have back-up generators	SP, PP	Energy Failure	OP	N
4.1	4, 5	3	Provide NOAA weather radios to schools, municipal buildings, and public assembly facilities where large groups of people my congregate	PE	All Hazards	OP	N
<b>Panorama Park</b>							
1.2	1	1, 6	Create detour and road closure plans for flooded areas	PM, ES	Flash Flood, River Flood	OC	N
1.3	1	3	Promote use of NOAA weather radios	PE	All Hazards	R	N
1.4	1	5	Consider safe room construction where vulnerable populations may not have other sources of shelter	SP	Tornado	OP	N
1.5	1, 2	5, 2	Ensure each public critical facilities have back-up generators	SP, PP	Energy Failure	R	N
2.2	2	2, 5	Adopt and enforce current building codes	PP, SP	Windstorm, Severe Winter Storm, Tornado, Structural Fire	OC	N
2.3	2, 3	1, 4	Develop and implement stormwater regulations and drainage plans	PM, NR	Flash Flood, River Flood	OC	N

Action ID	Goals	Objectives	Action Strategy	Action Measures	Hazards Addressed	Status of Action	New for 2018 (Y/N)
4.1	4	3	Educate the public on the dangers of flash flooding	PE	Flash Flood	OC	N
4.2	4	3	Educate the public on the dangers of traveling during severe winter storms	PE	Severe Winter Storm	OC	N
4.3	4	3	Educate the public on the dangers of tornados and what to do during a tornado	PE	Tornado	OC	N
4.4	4	3	Communicate the locations of community shelters	PE	Severe Winter Storm, Energy Failure, Extreme Heat	R	N
4.5	4	3	Educate citizens on fire hazards and what to do in the event of a fire	PE	Structural Fire	OC	N
4.6	4	3	Educate citizens on the importance of smoke detectors and encourage their use	PE	Structural Fire	OC	N
4.7	4	3	Develop a check-on-neighbor program for vulnerable populations	PE	All Hazards	OC	N
4.8	4	3	Promote the Waste Commission of Scott County Household Hazardous Material collection facilities for proper disposal of household hazardous waste	PE	Transportation of Hazardous Materials Incident	OC	N
4.9	4	3, 6	Educate the public on river flooding and what they need to do when an event occurs	PE, ES	River Flood	R	N
4.1	4	3, 6	Encourage the public to check on the disabled, elderly, and other vulnerable populations	PE, ES	All Hazards	OC	N
4.11	4	6, 1	Monitor water levels and notify the public when flooding will occur and where	ES, PM	Flash Flood, River Flood	R	N
5.1	5	1, 6	Require First Responders to have rescue plans for severe weather.	PM, ES	All Natural Hazards	R	N
5.2	5	1, 6	Encourage First Responders to share resources and equipment and have intergovernmental agreements in place	PM, ES	All Hazards	OC	N
1.1	1	1, 6	Ensure First Responders are aware of hazardous materials kept at each site.	PM, ES	Fixed Hazardous Materials Incident	R	N

Action ID	Goals	Objectives	Action Strategy	Action Measures	Hazards Addressed	Status of Action	New for 2018 (Y/N)
2.1	2	1	Continue NFIP compliance by enforcing floodplain ordinances based on the State of Iowa Model Code	PM	River Flood	OC	N
<b>Pleasant Valley CSD</b>							
1.1	1	5	Consider safe room construction where vulnerable populations may not have other sources of shelter	SP	Tornado	OP	N
1.2	1, 2	2, 5	Ensure each public critical facilities have back-up generators	SP, PP	Energy Failure	OP	N
4.1	4, 5	3	Provide NOAA weather radios to schools, municipal buildings, and public assembly facilities where large groups of people may congregate	PE	All Hazards	OP	N
<b>Princeton</b>							
1.1	1	1, 6	Ensure First Responders are aware of hazardous materials kept at each site.	PM, ES	Fixed Hazardous Materials Incident	OC	N
1.2	1	1, 6	Create detour and road closure plans for flooded areas	PM, ES	Flash Flood, River Flood	OC	N
1.3	1	3	Promote use of NOAA weather radios	PE	All Hazards	OC	N
1.4	1, 2	5, 2	Ensure each public critical facilities have back-up generators	SP, PP	Energy Failure	OP	N
1.5	1, 3	5	Construct public safe rooms for government facility functions, critical facility functions, recreational areas, manufactured home parks, schools and day care centers	SP	Tornado, Thunderstorm & Lightning, Hailstorm, Windstorm	OP	N
3.2	3	2, 5	Construct or implement flood controls for city infrastructure to include ditch re-profiling, culvert expansion, Hesco barriers, and potential berms.	PP, SP	River Flood, Flash Flood	OC	N
4.1	4	3	Educate the public on what river flood levels on the Mississippi and Wapsipinicon actually mean	PE	River Flood	OC	N
4.2	4	3, 6	Educate the public on river flooding and what they need to do when an event occurs	PE, ES	River Flood	OP	N

Action ID	Goals	Objectives	Action Strategy	Action Measures	Hazards Addressed	Status of Action	New for 2018 (Y/N)
4.3	4	3, 6	Educate the public on how to minimize damage their residences and businesses	PE, ES	River Flood	OP	N
4.4	4	6, 1	Monitor water levels and notify the public when flooding will occur and where	ES, PM	Flash Flood, River Flood	OC	N
4.5	4, 5	3	Provide NOAA weather radios to schools, municipal buildings, and public assembly facilities where large groups of people may congregate	PE	All Hazards	OP	N
5.1	5	1, 6	Require First Responders to have rescue plans for severe weather.	PM, ES	All Natural Hazards	C	N
3.1	3	2	Be proactive with virus protection and store back-up data in offsite location	PP	Cyber Terrorism	OP	N
<b>Riverdale</b>							
1.1	1	5	Add tornado siren in Haven Acres subdivision.	SP	Tornado	OP	N
1.2	1, 2, 3	6	Maintain existing fire equipment	ES	Structural Fires	OC	N
1.3	1, 2, 3	6	Purchase additional fire equipment as required	ES	Structural Fires	OC	N
1.4	1,2,3, 5	1, 3	Distribute the a "File of Life" kit to each citizen of Riverdale. Make sure that each resident understand the importance of medical information readily available.	PM, PE	Flash Flood, Structural Fires, Tornado, Energy Failure, Human Disease Incident, Human Disease Pandemic, Severe Winter Storms, Energy Failure	C	N
2.1	2, 3	5	Install new storm water sewer line or replace existing storm water sewer line with appropriately sized sewers as city land use changes.	SP	Flash Flood	OP	N
3.1	3	6	Revise the severe winter storms snow removal plan to keep City Hall/Fire Department clear and open, followed by clearing 1 1/2 lanes open on all roads, and finally clearing all roads completely.	ES	Severe Winter Storms	OP	N
5.1	5	6	Continue education and certification of fire fighters	ES	Structural Fire	OC	N

Action ID	Goals	Objectives	Action Strategy	Action Measures	Hazards Addressed	Status of Action	New for 2018 (Y/N)
<b>Unincorporated Scott County</b>							
1.1	1	1, 6	Ensure First Responders are aware of hazardous materials kept at each site.	PM, ES	Fixed Hazardous Materials Incident	OC	N
1.2	1	1, 6	Create detour and road closure plans for flooded areas	PM, ES	Flash Flood, River Flood	OP	N
1.3	1	3	Promote use of NOAA weather radios	PE	All Hazards	OC	N
1.4	1	5	Consider safe room construction where vulnerable populations may not have other sources of shelter	SP	Tornado	OC	N
1.5	1, 2	1	Complete or update land use ordinances, codes and regulations to decrease risk in areas susceptible to hazards	PM	River Flood, Tornadoes, Severe Winter Storms, Levee Failure, Thunderstorm & Lightning, Flash Flood, Hailstorm, Fixed Hazardous Materials Incident, Transportation of Hazardous Materials Incident, Railway Transportation Incident, Highway Transportation Incident, Waterway Incident, Windstorm, Sinkholes & Land Subsidence, Landslide, Expansive Soils	OC	N
1.6	1, 2	5, 2	Ensure each public critical facilities have back-up generators	SP, PP	Energy Failure	OP	N
1.7	1, 3	5	Construct public safe rooms for government facility functions, critical facility functions, recreational areas, manufactured home parks, schools and day care centers	SP	Tornado, Thunderstorm & Lightning, Hailstorm, Windstorm	OC	N
2.1	2	1	Continue NFIP compliance by enforcing floodplain ordinances based on the State of Iowa Model Code	PM	River Flood	OC	N
2.2	2	2, 5	Adopt and enforce current building codes	PP, SP	Windstorm, Severe Winter Storm, Tornado, Structural Fire	OC	N



Action ID	Goals	Objectives	Action Strategy	Action Measures	Hazards Addressed	Status of Action	New for 2018 (Y/N)
2.3	2, 3	1	Encourage development where adequate facilities and infrastructure exists	PM	All Hazards	OC	N
2.4	2, 3	1, 4	Develop and implement stormwater regulations and drainage plans	PM, NR	Flash Flood, River Flood	OC	N
2.5	2, 4	1, 3	Participate in the Community Rating System	PM, PE	River Flood	OP	N
3.2	3	4	Complete watershed and hydrology studies of the creeks and rivers within Scott County	NR	River Flooding, Levee Failure, Flash Flood, Dam Failure, Drought, Sinkholes & Land Subsidence, Landslide, Expansive Soils	OP	N
3.3	3	5	Replace or retrofit bridges and culverts to meet capacity requirements	SP	River Flood, Levee Failure, Flash Flood, Dam Failure, Transportation of Hazardous Materials Incident, Fixed Hazardous Materials Incident, Structural Failure, Highway Transportation Incident, Waterway Incident	OC	N
4.1	4	3	Educate the public and businesses about NFIP and the floodplain in general	PE	River Flood	OC	N
4.2	4	3	Educate the public on the dangers of traveling during severe winter storms	PE	Severe Winter Storm	R	N
4.3	4	3	Educate the public on the dangers of tornados and what to do during a tornado	PE	Tornado	OC	N
4.4	4	3	Communicate the locations of community shelters	PE	Severe Winter Storm, Energy Failure, Extreme Heat	I	N
4.5	4	3	Educate citizens on the importance of smoke detectors and encourage their use	PE	Structural Fire	OC	N
4.6	4	3	Create multi-lingual educational materials for hazards	PE	All Hazards	I	N

Action ID	Goals	Objectives	Action Strategy	Action Measures	Hazards Addressed	Status of Action	New for 2018 (Y/N)
4.7	4	3	Promote the Waste Commission of Scott County Household Hazardous Material collection facilities for proper disposal of household hazardous waste	PE	Transportation of Hazardous Materials Incident	OC	N
4.8	4	3, 6	Encourage the public to check on the disabled, elderly, and other vulnerable populations	PE, ES	All Hazards	I	N
4.9	4	6, 1	Monitor water levels and notify the public when flooding will occur and where	ES, PM	Flash Flood, River Flood	OC	N
5.1	5	1, 6	Require First Responders to have rescue plans for severe weather.	PM, ES	All Natural Hazards	I	N
5.2	5	1, 6	Encourage First Responders to share resources and equipment and have intergovernmental agreements in place	PM, ES	All Hazards	OP	N
5.3	5	3	Join the Iowa Floodplain and Stormwater Management Association	PE	River Flood, Flash Flood	I	N
5.4	5	3	Establish workshops and training functions for all community floodplain managers	PE	Flash Flood, River Flood	I	N
3.1	3	2	Be proactive with virus protection and store back-up data in offsite location	PP	Cyber Terrorism	OC	N
<b>Walcott</b>							
1.1	1	1, 6	Ensure First Responders are aware of hazardous materials kept at each site.	PM, ES	Fixed Hazardous Materials Incident	OC	N
1.2	1	3	Promote use of NOAA weather radios	PE	All Hazards	OC	N
1.4	1, 2, 3	4, 5	Monitor tree health and remove damaged or weak branches	NR, SP	Windstorm, Animal/Plant/Crop Disease	OC	N
4.4	4	3	Communicate snow removal policies with the public to ensure most efficient removal of snow	PE	Severe Winter Storm	OC	N
4.8	4	3	Promote the Waste Commission of Scott County Household Hazardous Material collection facilities for proper disposal of household hazardous waste	PE	Transportation of Hazardous Materials Incident	OC	N

Action ID	Goals	Objectives	Action Strategy	Action Measures	Hazards Addressed	Status of Action	New for 2018 (Y/N)
4.2	4	3	Notify the public on warming shelter locations	PE	Severe Winter Storm, Energy Failure	OC	N
2.2	2, 3	5, 6	Investigate the feasibility of developing a regional storm water detention area south of the Iowa 80 Interchange Area to reduce flash flooding in the community.	SP	River Flood, Flash Flood	OP	Y
2.1	2, 3	4	Establish natural vegetation buffers and removal of dead vegetation next to sensitive lands and forestry improvements such as tree plantings	NR	River Flood, Levee Failure, Flash Flood, Sinkholes & Land Subsidence	OP	N
1.3	1	5	Consider safe room construction where vulnerable populations may not have other sources of shelter	SP	Tornado	I	N
4.5	4	3	Educate the public on the dangers of tornados and what to do during a tornado	PE	Tornado	OC	N
4.9	4	3, 6	Encourage the public to check on the disabled, elderly, and other vulnerable populations	PE, ES	All Hazards	OC	N
4.3	4	3	Educate the public on the dangers of traveling during severe winter storms	PE	Severe Winter Storm	OC	N
4.7	4	3	Educate citizens on the importance of smoke detectors and encourage their use	PE	Structural Fire	OC	N
4.6	4	3	Educate citizens on fire hazards and what to do in the event of a fire	PE	Structural Fire	OC	N
4.1	4	3	Educate the public on the dangers of lightning	PE	Thunderstorm & Lightning	OC	N

***Removed Actions***

Bluegrass chose to remove action 2.3 (Ensure hydrants are maintained and well identified.) because they are now managed by Iowa American Water Company instead of the city.

Davenport Schools chose to remove action 9 (Build a berm around Brady Street Stadium to prevent flash flooding. This would include compensatory storage for displaced water.) because it was determined not to be feasible due to environmental restrictions.

Panorama Park chose to remove actions 1.3 (Promote use of NOAA weather radios); 1.5 (Ensure each public critical facilities have backup generators); 4.4 (Communicate the locations of community shelters); 4.9 (Educate the public on river flooding and what they need to do when an event occurs); 4.11 (Monitor water levels and notify the public when flooding will occur and where); 5.1 (Require First Responders to have rescue plans for severe weather); and 1.1 (Ensure First Responders are aware of hazardous materials kept at each site) because these strategies are already handled by other jurisdictions or agencies.

Scott County chose to remove action 4.2 (Educate the public on the dangers of traveling during severe winter storms.) because it was already being accomplished through the National Weather Service and Iowa Department of Transportation.