

## 4 MITIGATION STRATEGY

**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 Hazard Mitigation Planning Committee (HMPC) based on the updated risk assessment. The mitigation strategy was developed through a collaborative group process and consists of updated general goal statements to guide the jurisdictions in efforts to lessen disaster impacts as well as specific mitigation actions that can be put in place to directly reduce vulnerability to hazards and losses. The following definitions are based upon those found in the March 2023 *Local Mitigation Planning Handbook*:

- **Goals** are general guidelines that explain what the community wants to achieve with the plan. They are usually broad policy-type statements that are long-term, and they represent visions for reducing or avoiding losses from the identified hazards.
- **Mitigation Actions** are specific actions that help achieve goals.
- **Action Plan** describes how the mitigation actions will be carried out.

### 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 an update to an existing hazard mitigation plan. Therefore, the goals from the *2019 Jackson County Hazard Mitigation Plan* were reviewed to determine if they are still valid. The HMPC participated in a facilitated discussion during their second meeting to review and update the plan goals. To ensure that the goals are comprehensive and support State goals, the *2023 National Mitigation Plan* and the *2023 Iowa Hazard Mitigation Plan* goals were reviewed as well. **Table 4.1** below summarizes the national and state goals.

**Table 4.1 2023 National Mitigation Plan Goals and 2023 Iowa Hazard Mitigation Plan Goals**

	2023 National Mitigation Plan	2023 Iowa Hazard Mitigation Plan
Goal 1:	<b>Show How Mitigation Investments Reduce Risk.</b> The whole community will build a shared understanding of mitigation investment and its value.	Through comprehensive and collaborative planning and analysis, develop processes and regulations that reduce hazard risks, and provide resources to local jurisdictions so they can develop and update plans and regulations to mitigate hazard impacts.

Goal 2:	<b>Coordinate Mitigation Investments to Reduce Risk.</b> The whole community will coordinate mitigation investments through shared risk information, reinforced strategies for risk reduction, and easier access to existing funding.	Construct new or improved structures and infrastructure, including natural infrastructure, and employ practices that reduce hazard risks while also preserving or restoring the functions of natural systems.
Goal 3:	<b>Make Mitigation Investment Standard Practice.</b> The whole community will factor mitigation into investment decisions, especially for buildings and infrastructure.	Expand public awareness and intergovernmental communication so that Iowa citizens and communities have knowledge to mitigate hazard impacts and become more resilient.
Goal 4:		Through planning, improved warning systems, and redundancy, increase capabilities to ensure government operations, response and recovery are not significantly disrupted by disaster events.

Source: 2023 Local Mitigation Planning Handbook and 2023 Iowa Hazard Mitigation Plan

The HMPC also reviewed common categories of mitigation goals from other plans. The planning committee ultimately decided to retain Goal 1 & 2 in the 2019 county hazard mitigation plan and made only a change to Goal 3 to clarify that the goal encompasses the ‘whole community’.

**Table 4.2** below summarizes the 2019 HMP goals and the changes/updates made by the county HMPC in the update HMP.

**Table 4.2 Jackson County Multi-jurisdictional Hazard Mitigation Plan Goal Update**

	2019 HMP Goals	Updated/Modified 2023 HMP Goals
Goal 1:	Protect the health, safety, and quality of life for Jackson County citizens while reducing or eliminating property losses, economic costs, and damage to the natural environment caused by a disaster.	No Changes
Goal 2:	Ensure government operations, response and recovery in Jackson County are not significantly disrupted by disasters.	No Changes
Goal 3:	Expand public awareness and encourage intergovernmental cooperation, coordination, and communication in Jackson County to build a more resilient community against all hazards.	Expand public awareness within the whole community, both urban and rural and encourage intergovernmental cooperation, coordination, and communication in Jackson County to build a more resilient community against all hazards.

Source: HMPC 2024

## 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 second meeting of the HMPC, sample results of the risk assessment update were provided to the HMPC members. Additionally, the full draft of the Risk Assessment Chapter was provided for review by the HMPC members and to lay the framework for the impacts to be addressed by the updated mitigation strategy. Mitigation actions and projects are based on the risk assessment provided in Chapter 3 of this plan. Also at meeting #2, each jurisdiction was provided with a handout listing the actions they included in the previous hazard mitigation plan. The mitigation strategy of the previous plan consisted of 218 individual jurisdictional actions.

Jurisdictional representatives were instructed to work with others in their jurisdiction to update the status of each of the previous actions. The status updates were provided between meeting #2 and meeting #3. The list of the cancelled and completed actions is provided in **Appendix C** with comments providing additional details, as available.

For a comprehensive range of mitigation actions to consider, the jurisdictions were provided relevant information and sources to be used in development of new mitigation actions including:

- Plan Goals
- Previous Actions from 2019 Plan
- Key Issues from Risk Assessment
- FEMA's Mitigation Ideas booklet
- State Priorities for Hazard Mitigation Assistance Grants
- Public Opinion from Surveys

To facilitate discussion and ideas on new actions that jurisdictions may want to submit to the plan update, the planning committee reviewed the plan goals that were updated at meeting #2. Key issues/problem statements for the hazards in the risk assessment were discussed as well as the actions from the 2019 plan that were identified relative to each hazard. The discussion was geared toward identifying any gaps that may exist between the problems identified and actions already developed to address the problems. To provide consideration of a comprehensive range of alternatives, FEMA's Mitigation Ideas Booklet was also reviewed for additional ideas/alternatives for new actions. After the committee meeting, jurisdictions reviewed the materials to determine final mitigation actions to submit to the plan update.

The jurisdictions were encouraged to be comprehensive and include all appropriate actions to work toward becoming more disaster resistant. They were encouraged to maintain a realistic approach and were reminded that the hazard mitigation plan is a "living document". As capabilities, vulnerabilities, or the nature of hazards that threaten each jurisdiction change, the mitigation actions can and should be updated to reflect those changes, including addition or deletion of actions, as appropriate.

As part of the meeting discussion, jurisdictions were instructed to consider the potential cost of each project in relation to the anticipated future cost savings. This type of discussion allowed the committee to understand the broad priorities and enable discussion of the types of projects most beneficial to all jurisdictions within Jackson County.

Several of the mitigation action items overlap throughout the county which is a small rural county. While the mitigation action may be similar throughout the county for each jurisdiction it was listed under the jurisdiction to include impacts on staff, resources, and financial capacity of the specific jurisdiction.

The county's mitigation actions for this plan can be found in Table 4.3 and includes the following information:

- 2019 Action ID
- Jurisdiction-2024 Action ID replaces the 2019 Action ID
- Mitigation Action: Description of the action item to be accomplish
- Action Status: A description of what has been done. Those with an action status of Cancelled or Completed can be found in Appendix C.
- Progress Status Update: Description of what has been done on the action item
- Hazards Addressed: Which hazard(s) the action aims to address
- Goals Referenced: Which goal the action aims to meet
- Score: STAPLEE Ranking method used to prioritize actions
- Priority: General description of the importance in which an action may be implemented (high/medium/low) based on the score

The result of efforts of the HMPC and public meetings include an update and revision to the mitigation actions, additions and deletion of mitigation actions and review and update to the mitigation planning process. It is important to note that not all the mitigation actions identified by a jurisdiction may ultimately be implemented due to limited capabilities, prohibitive costs, low benefit-to-cost ratio, or other concerns that may not be identified during this planning process. The information serves as a guide to participants to assist with hazard mitigation for the future.

### 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 representatives worked with others in their community to finalize the actions to be submitted to the updated mitigation strategy. Throughout the discussion of the types of projects that the committee would include in the mitigation plan, emphasis was placed on the importance of a benefit-cost analysis in determining project priority. The Disaster Mitigation Act regulations state that benefit-cost review is the primary method by which mitigation projects should be prioritized. Recognizing the federal regulatory requirement to prioritize by benefit-cost, and the need for any publicly funded project to be cost-effective, the HMPC decided to pursue implementation according to when and where damage occurs, available funding, political

will, jurisdictional priority, and priorities identified in the Iowa State Hazard Mitigation Plan.

Due to many variables that must be examined during project development, the benefit/cost review at the planning stage primarily consisted of a qualitative analysis. For each action, the jurisdictions included a narrative describing the types of benefits that could be realized with implementation of the action. Where possible, the cost was estimated as closely as possible with further refinement to occur as project development occurs. Cost-effectiveness will be considered in additional detail if/when seeking FEMA Hazard Mitigation Assistance grant funding or other grant funding for eligible projects identified in this plan. At that time, additional information will be researched to provide a quantitative benefit-cost analysis.

To provide a mechanism for jurisdictions to prioritize actions, a modified STAPLEE worksheet was completed by the jurisdictions for each new and continued action submitted for the updated mitigation strategy. The modified STAPLEE worksheet includes elements to consider protection of life and reduction of damages. Although the STAPLEE method was a component of the prioritization method utilized for the 2019 plan, there were other scoring elements included. For the plan update, the modified STAPLEE worksheet was chosen to re-evaluate/evaluate all continuing and new actions.

The STAPLEE prioritization method in general is a tool used to assess the costs and benefits, and overall feasibility of mitigation actions. STAPLEE stands for the following:

- **Social:** Will the action be acceptable to the community? Could it have an unfair effect on a particular segment of the population?
- **Technical:** Is the action technically feasible? Are there secondary impacts? Does it offer a long-term solution?
- **Aministrative:** Are there adequate staffing, funding, and maintenance capabilities to implement the project?
- **Political:** Will there be adequate political and public support for the project?
- **Legal:** Does your jurisdiction have the legal authority to implement the action?
- **Economic:** Is the action cost-beneficial? Is there funding available? Will the action contribute to the local economy?
- **Environmental:** Will there be negative environmental consequences from the action? Does it comply with environmental regulations? Is it consistent with community environmental goals?

Additional questions were added to the modified STAPLEE worksheet to include elements to consider protection of historic properties and time to implement as well as elements to consider mitigation effectiveness related to protection of life and reduction of damages.

**Figure 4.1** is a sample of the Action Plan worksheet. The Prioritization Section is at the bottom of the worksheet. There is a total possible prioritization score of 19. Those actions that scored 13 or Higher were given a priority rating of “High”. Those actions that scored 7-12 were given a priority rating of “Medium”. And those actions that scored less than 7 were given a rating of “Low”.

**Figure 4.1. Action Plan Worksheet**  
**Jackson County Multi-Jurisdictional Hazard Mitigation Plan**  
**Mitigation Action Plan Worksheet**

<b>Jurisdiction:</b> [ ]	<b>Current Action Status</b> <input type="checkbox"/> Continue Not Started <input type="checkbox"/> Continue In-Progress <input type="checkbox"/> New	<b>Action ID:</b> [ ] Refer to handout for continuing actions For new actions number with next sequential number after last action #.
<b>Hazards Addressed:</b> <input type="checkbox"/> Animal/Plant/Crop Disease <input type="checkbox"/> Dam /Levee Failure <input type="checkbox"/> Drought <input type="checkbox"/> Earthquake <input type="checkbox"/> Extreme Heat <input type="checkbox"/> Flash Flood	Check all that apply <input type="checkbox"/> Grass/Wildland Fire <input type="checkbox"/> Hazardous Materials Incident <input type="checkbox"/> Human Disease <input type="checkbox"/> Infrastructure Failure <input type="checkbox"/> Radiological Incident <input type="checkbox"/> River Flooding	<input type="checkbox"/> Severe Winter Storm <input type="checkbox"/> Sinkholes <input type="checkbox"/> Terrorism <input type="checkbox"/> Thunderstorm/Lightning/Hail <input type="checkbox"/> Tornado/Windstorm <input type="checkbox"/> Transportation Incident
<b>Action Title/Description:</b> [ ]		
<b>Applicable Goal Statement:</b> Check one	<input type="checkbox"/> Goal 1: <input type="checkbox"/> Goal 2: <input type="checkbox"/> Goal 3: <input type="checkbox"/> Goal 4:	
<b>Issue/Background:</b> Why is this action needed? What is the problem?	[ ]	
<b>Obstacles to Implementing?</b>	[ ]	
<b>Responsible Office:</b> Which department in Jurisdiction would implement/track?	[ ]	
<b>Partners:</b> Who would help?	[ ]	
<b>Potential Funding Source:</b> (Grants-specific if known, local funds, combination, etc.) Check all that may apply	<input type="checkbox"/> FEMA Hazard Mitigation Assistance Grant (HMGP, PDM, or FMA) <input type="checkbox"/> Local funds, <input type="checkbox"/> In-Kind (donated). <input type="checkbox"/> Private Non-Profit, <input type="checkbox"/> Other [ ] (specify)	
<b>Cost Estimate:</b>	<input type="checkbox"/> Little or no cost <input type="checkbox"/> Less than \$10,000 <input type="checkbox"/> \$10,000 to \$50,000 <input type="checkbox"/> \$50,000 to \$100,000 <input type="checkbox"/> \$100,000 to \$500,000 <input type="checkbox"/> \$500,000 to \$1,000,000 <input type="checkbox"/> Over \$1,000,000	
<b>Benefits:</b> (Describe Losses Avoided)	[ ]	
<b>Timeline:</b> How many years to complete?	<input type="checkbox"/> 1 yr <input type="checkbox"/> 2-3 yrs <input type="checkbox"/> 3-5 yrs	<input type="checkbox"/> More than 5 yrs. <input type="checkbox"/> Other [ ]
<b>Completed by: (name/title/phone #)</b> [ ]		
<b>Prioritization</b>		
<b>Mitigation Effectiveness:</b> Rate the questions from 0-3 0-unlikely, 1-maybe, 2-probably, or 3-definitely	If implemented, will the action result in lives saved? <input type="checkbox"/> 0, <input type="checkbox"/> 1, <input type="checkbox"/> 2, <input type="checkbox"/> 3 If implemented, will the action result in reduced property damages? <input type="checkbox"/> 0, <input type="checkbox"/> 1, <input type="checkbox"/> 2, <input type="checkbox"/> 3 If implemented, will the action reduce the need for response actions? <input type="checkbox"/> 0, <input type="checkbox"/> 1, <input type="checkbox"/> 2, <input type="checkbox"/> 3 If implemented, will the benefits exceed the cost? <input type="checkbox"/> 0, <input type="checkbox"/> 1, <input type="checkbox"/> 2, <input type="checkbox"/> 3	
<b>STAPLEE Rating:</b> Give the action a rating for each element as follows:  Positive (+) Neutral (0) Negative (-)	Socially Acceptable Technically Feasible Administrative Capability Politically Desirable Legal Authority Exists Economically Beneficial Environmentally Beneficial	<input type="checkbox"/> +, <input type="checkbox"/> 0, <input type="checkbox"/> - <input type="checkbox"/> +, <input type="checkbox"/> 0, <input type="checkbox"/> - <input type="checkbox"/> +, <input type="checkbox"/> 0, <input type="checkbox"/> - <input type="checkbox"/> +, <input type="checkbox"/> 0, <input type="checkbox"/> - <input type="checkbox"/> +, <input type="checkbox"/> 0, <input type="checkbox"/> - <input type="checkbox"/> +, <input type="checkbox"/> 0, <input type="checkbox"/> - <input type="checkbox"/> +, <input type="checkbox"/> 0, <input type="checkbox"/> -

The mitigation action summary table presenting the summary of continuing and new mitigation actions for each jurisdiction is provided in **Table 4.3**. The Action ID for each action has been carried over from the 2019 plan for continuing actions. As a result of completed and deleted actions, the Action ID was reassigned for each for each jurisdiction. Following the action summary table, additional details are provided for each continuing and new action in **Table 4.4**. The detailed table serves as the action plan describing how each action will be implemented and administered by the local jurisdiction. The final table, **Table 4.5**, provides the results from the action prioritization.

**Table 4.3 Mitigation Action Summary - Continuing and New Actions**

2019 Action ID	Jurisdiction -2024 Action ID	Mitigation Action	Action Status (Continue In-Progress or Continue Not Started, New)	Progress Status Update	Hazards Addressed	Goal Referenced	Score	Priority (H=High, M=Medium, L=Low)
2	Andrew-1	Identify and assist county in tracking critical facilities and vulnerable populations to improve responding to emergencies.	Continue In Progress	Currently using GIS Locator and county public health maintains database of vulnerable populations	All Natural Hazards and Non-Natural Hazards	1, 2	11	M
3	Andrew-2	Maintain call down list of all critical personnel.	Continue In Progress	City created and now maintains a list.	All Natural Hazards and Non-Natural Hazards	2	11	M
4	Andrew-3	Maintain procedure to backup all critical data to prevent loss in the event of hazard.	Continue In Progress		All Natural Hazards and Non-Natural Hazards	2	12	M
5	Andrew-4	Continue to maintain and enforce snow removal policies.	Continue In Progress		Severe Winter Storms	1	9	M
7	Andrew-5	Provide backup power generators and wiring for critical facilities.	Continue In Progress		Excessive Heat; Wildfire, including Grass Fire; Hazardous Materials; Transportation Incident	1, 2	10	M
8	Andrew-6	Consider building a tornado safe room for all new construction and rehabilitation projects.	Continue Not Started		Severe Winter Storms; Tornado/Winds torm	1, 2	10	M
9	Andrew-7	Purchase or elevate structures, add lift stations, increase/ reinforce culvert size, and add curb and gutter to streets in areas	Continue Not Started		Severe Winter Storms; Tornado/Winds torm	1, 2	7	M
13	Andrew-8	Continue to improve public awareness of hazardous weather through newsletters, public notices, strolling signs, etc.	Continue In Progress	City participates in Rave, and provides updates/notifications through local access channel, social media. City has TV warning	Hail & Lightning from Thunderstorms ; Flooding-Flash & River; Tornado/Winds torm	3	12	M

				system through cable but looking to switch to streaming; notify on new website and Facebook and by door to door calling				
2019 Action ID	Jurisdiction -2024 Action ID	Mitigation Action	Action Status (Completed, Cancelled, Continue In-Progress or Continue Not Started, New)	Progress Status Update	Hazards Addressed	Goal Referenced	Score	Priority (H=High, M=Medium, L=Low)
14	Andrew-9	Review and implement community snow policies and implement during smaller storms as appropriate so citizens are familiar with rules and regulations	Continue In Progress	City conducts regular snow removal and posts emergency parking notices	Severe Winter Storms	1, 3	15	H
10	Andrew-10	Continue to maintain existing outdoor warning siren systems and ensure appropriate coverage for population or ensure NOAA weather radios are available in uncovered areas.	Continue In Progress	Tested every month	Tornado/Winds torm	2	13	H
n/a	Andrew-11	Install alarms on well & lift station	New		Hail & Lightning from Thunderstorms ; Flooding-Flash & River	1, 2	13	H
1	Andrew CSD-1	Pursue the addition of a severe weather shelter/tornado saferoom in all new construction	Continue Not Started		Tornado/Winds torm	1, 2	13	H
2019 Action ID	Jurisdiction -2024 Action ID	Mitigation Action	Action Status (Completed, Cancelled, Continue In-Progress or Continue Not Started, New)	Progress Status Update	Hazards Addressed	Goal Referenced	Score	Priority (H=High, M=Medium, L=Low)



1	Baldwin-1	Review and implement community snow policies and implement during smaller storms as appropriate so citizens are familiar with rules and regulations	Continue In Progress		Severe Winter Storms	1, 3	15	H
2	Baldwin-2	Identify and assist county in tracking critical facilities and vulnerable populations to improve responding to emergencies.	Continue In Progress	County maintains list.	All Natural Hazards and Non-Natural Hazards	1, 2	11	M
3	Baldwin-3	Create call down list of all critical personnel.	Continue In Progress		All Natural Hazards and Non-Natural Hazards	2, 3	11	M
4	Baldwin-4	Maintain procedure to backup all critical data to prevent loss in the event of hazard.	Continue In Progress		All Natural Hazards and Non-Natural Hazards	1,2, 3	12	M
5	Baldwin-5	Continue to maintain and enforce snow removal policies.	Continue In Progress		Severe Winter Storms	1	10	M
7	Baldwin-6	Provide backup power generators and wiring for critical facilities.	Continue In Progress		Hail & Lightning from Thunderstorms ; Flooding-Flash & River; Tornado/Winds torm; Wildfire including Grass Fires, Severe Winter Storm	1, 2	11	M
8	Baldwin-7	Consider building a tornado safe room for all new construction and rehabilitation projects.	Continue In Progress		Severe Winter Storms; Tornado/Winds torm	1	9	M
<b>2019 Action ID</b>	<b>Jurisdiction -2024 Action ID</b>	<b>Mitigation Action</b>	<b>Action Status (Completed, Cancelled, Continue In-Progress or Continue Not Started, New)</b>	<b>Progress Status Update</b>	<b>Hazards Addressed</b>	<b>Goal Referenced</b>	<b>Score</b>	<b>Priority (H=High, M=Medium, L=Low)</b>

9	Baldwin-8	Purchase or elevate structures, add lift stations, increase/reinforce culvert size, and add curb and gutter to streets in areas in flood zones with severe and repetitive flood damage to prevent reoccurrence.	Continue In Progress		Flooding-Flash & River	1, 2	8	M
10	Baldwin-9	Continue to maintain existing outdoor warning siren systems and ensure appropriate coverage for population or ensure NOAA weather radios are available in uncovered areas.	Continue In Progress		Hail & Lightning from Thunderstorms ; Tornado/Winds torm	1, 2	14	H
11	Baldwin-10	Purchase barricades and signage as deemed necessary to better communicate information.	Continue In Progress		Hail & Lightning from Thunderstorms ; Flooding-Flash & River; Tornado/Winds torm; Wildfire including Grass Fires, Severe Winter Storm	1, 2	10	M
12	Baldwin-11	Train personnel as weather spotters.	Continue In Progress		Hail & Lightning from Thunderstorms ; Tornado/Winds torm; Wildfire including Grass Fires	2, 3	12	M
13	Baldwin-12	Continue to improve public awareness of hazardous weather through newsletters, public notices, strolling signs, etc.	Continue In Progress		All Natural Hazards and Non-Natural Hazards	3	12	M
17	Baldwin-13	Update and maintain flood plain ordinance as necessary.	Continue In Progress		Flooding-Flash & River	1	10	M
<b>2019 Action ID</b>	<b>Jurisdiction -2024 Action ID</b>	<b>Mitigation Action</b>	<b>Action Status (Completed, Cancelled, Continue In-Progress or Continue Not Started, New)</b>	<b>Progress Status Update</b>	<b>Hazards Addressed</b>	<b>Goal Referenced</b>	<b>Score</b>	<b>Priority (H=High, M=Medium, L=Low)</b>

18	Baldwin-14	Continue to maintain and make improvements to the sanitary sewer system to reduce infiltration, including such projects as the installation of bolt down covers on manholes in the floodplain areas and inspections of lift stations seals, etc. in the flood plain.	Continue In Progress		Hail & Lightning from Thunderstorms ; Flooding-Flash & River; Tornado/Winds torm; Wildfire including Grass Fires	1, 2	7	L
1	Bellevue-1	Maintain NFIP membership and meet all program requirements.	Continue In Progress	Map was updated and adopted in 2022; City has a floodplain management ordinance in place	Dam & Levee Failure; Flooding-Flash & River; Infrastructure Failure	1	11	M
2	Bellevue-2	Identify and assist county in tracking critical facilities and vulnerable populations to improve responding to emergencies.	Continue In Progress	Currently using GIS Locator and county public health maintains database of vulnerable populations	All Natural Hazards and Non-Natural Hazards	2	9	M
5	Bellevue-3	Maintain and enforce snow removal policies.	Continue In Progress	Re-evaluated annually	Severe Winter Storms	1	10	M
6	Bellevue-4	Update fire and rescue equipment as needed to better respond to emergencies.	Continue In Progress	Evaluate per NFPA Standards and replace as needed	Excessive Heat; Wildfire, including Grass Fire; Hazardous Materials; Transportation Incident	2	10	M
7	Bellevue-5	Provide backup power generators and wiring for critical facilities.	Continue In Progress	A capital fund has been created in order to purchase a generator. The Fire Department has received a quote. When the funding is available it will be purchased.	Severe Winter Storms; Tornado/Winds torm	2	11	M

2019 Action ID	Jurisdiction -2024 Action ID	Mitigation Action	Action Status (Completed, Cancelled, Continue In-Progress or Continue Not Started, New)	Progress Status Update	Hazards Addressed	Goal Referenced	Score	Priority (H=High, M=Medium, L=Low)
8	Bellevue-6	Consider building a tornado safe room for all new construction and rehabilitation projects.	Continue In Progress	Reviewed during planning phase of infrastructure and new construction projects	Severe Winter Storms; Tornado/Winds torm	1, 2	9	M
9	Bellevue-7	Purchase or elevate structures, add lift stations, increase/ reinforce culvert size, and add curb and gutter to streets in areas in flood zones with severe and repetitive flood damage to prevent reoccurrence.	Continue In Progress	As improvements are made to streets and structures annually, we add curb and gutter and storm sewer outlets.	Flooding-Flash & River	2	7	M
10	Bellevue-8	Continue to maintain existing outdoor warning siren systems and ensure appropriate coverage for population or ensure NOAA weather radios are available in uncovered areas.	Continue In Progress	Test daily, Sirens are getting older and obsolete. Bellevue has three (3) sirens.	Tornado/Winds torm	2	11	M
11	Bellevue-9	Purchase barricades and signage as deemed necessary to better communicate information.	Continue In Progress	Stop signs and a pallet of safety cones purchased in FY23	Hail & Lightning from Thunderstorms ; Flooding-Flash & River; Tornado/Winds torm; Wildfire including Grass Fires	2	10	M
12	Bellevue-10	Train personnel as weather spotters.	Continue In Progress	Annual training with the Quad Cities NWS	Hail & Lightning from Thunderstorms ; Flooding-Flash & River; Tornado/Winds torm	2	12	M
13	Bellevue-11	Continue to improve public awareness of hazardous weather through newsletters, public notices, strolling signs, etc.	Continue In Progress	City participates in Rave, and provides updates/notifications through local access	Hail & Lightning from Thunderstorms ; Flooding-Flash & River; Tornado/Winds torm	3	12	M

2019 Action ID	Jurisdiction -2024 Action ID	Mitigation Action	Action Status (Completed, Cancelled, Continue In-Progress or Continue Not Started, New)	Progress/Status Update	Hazards Addressed	Goal Referenced	Score	Priority (H=High, M=Medium, L=Low)
				channel, social media. City has TV warning system through cable but looking to switch to streaming.				
19	Bellevue-12	Continue to assist county in maintaining a list of people on oxygen in the event of a power outage.	Continue In Progress	Jackson County Public Health maintains list	All Natural Hazards and Non-Natural Hazards	1	12	M
20	Bellevue-13	Construct infrastructure for access from one side of the city to the other when railroads are blocking all access.	Continue Not Started	Trains are getting longer and may sit on tracks at intersections blocking emergency vehicle and personnel access. The train can be separated but may take valuable time to do during an emergency.	All Natural Hazards and Non-Natural Hazards	2	5	L
24	Bellevue-14	Explore possibility of working with manufactured home park owner south of town to build a community safe room.	Continue In Progress	Currently trailer park shelter is at St. John's Church	All Natural Hazards and Non-Natural Hazards	1, 2	12	M
25	Bellevue-15	Continue to monitor effectiveness of FEMA recommended water sump pumps for homes that have repeated backup in basements. And continue to offer \$500 rebates from municipal utilities for back flow preventers	Continue In Progress	City continues to offer rebates on the stop value and labor	Dam & Levee Failure; Flooding-Flash & River; Hail & Lightning from Thunderstorms	1, 2	8	M

2019 Action ID	Jurisdiction -2024 Action ID	Mitigation Action	Action Status (Completed, Cancelled, Continue In-Progress or Continue Not Started, New)	Progress/Status Update	Hazards Addressed	Goal Referenced	Score	Priority (H=High, M=Medium, L=Low)
83	Bellevue-16	Update snow and ice equipment as needed to better respond to snow and ice events.	Continue In Progress		Severe Winter Storms	1, 2	11	M
	Bellevue-17	Review and implement community snow policies and implement during smaller storms as appropriate so citizens are familiar with rules and regulations	Continue In Progress	Use Rave System, social media and newspaper to notify residents of what to do during a snow event	Severe Winter Storms	1, 3	15	H
	Bellevue-18	Replace and enlarge the culvert on Highway 62 between 10th and State Street	New	Project in city's capital improvement plan	Flooding-Flash & River	1	10	M
	Bellevue-19	Research and educate community on potential critical infrastructure issues, options and developing a plan to address potential CME & EMP events	New	N/A	Infrastructure Failure	1, 2	14	H
	Bellevue-20	Implement plan, train personnel and purchase required equipment to minimize impact of CMP and EMP events	New	N/A	Infrastructure Failure	1, 2	14	H
79	Bellevue CSD-1	Develop policy to prevent construction in the floodplain of education buildings or supporting structures (such as bus barns or maintenance sheds).	Continue In Progress	School District will be working on summer of 2024 with board policies	Dam & Levee, Flooding-Flash & River	1	17	H

2019 Action ID	Jurisdiction -2024 Action ID	Mitigation Action	Action Status (Completed, Cancelled, Continue In-Progress or Continue Not Started, New)	Progress/Status Update	Hazards Addressed	Goal Referenced	Score	Priority (H=High, M=Medium, L=Low)
1	LaMotte-1	Maintain NFIP membership and meet all program requirements.	Continue In Progress	Map was updated and adopted in 2022; City has a floodplain management ordinance in place	Dam & Levee Failure; Flooding-Flash & River; Infrastructure Failure	1	11	M
2	LaMotte-2	Identify and assist county in tracking critical facilities and vulnerable populations to improve responding to emergencies.	Continue In Progress	County maintains list of critical facilities and vulnerable populations	All Natural Hazards and Non-Natural Hazards	1, 2	9	M
3	LaMotte-3	Maintain call down list of all critical personnel.	Continue In Progress	City created and now maintains a list.	All Natural Hazards and Non-Natural Hazards	2, 3	11	M
4	LaMotte-4	Maintain procedure to backup all critical data to prevent loss in the event of hazard.	Continue In Progress		All Natural Hazards and Non-Natural Hazards	2, 3	12	M
5	LaMotte-5	Continue to maintain and enforce snow removal policies.	Continue In Progress		Severe Winter Storms	1	9	M
6	LaMotte-6	Update fire and rescue equipment as needed to better respond to emergencies.	Continue In Progress	City has updated its equipment and continues to monitor needs for additional equipment	Excessive Heat; Wildfire, including Grass Fire; Hazardous Materials; Transportation Incident	2	9	M
7	LaMotte-7	Provide backup power generators and wiring for critical facilities.	Continue In Progress		Severe Winter Storms; Tornadoes and other High Wind	1, 2	11	M
8	LaMotte-8	Consider building a tornado safe room for all new construction and rehabilitation projects.	Continue Not Started	City is looking into options regarding this capital improvement.	Severe Winter Storms; Tornadoes and other High Wind	1, 2	9	M

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9	LaMotte-9	Purchase or elevate structures, add lift stations, increase/reinforce culvert size, and add curb and gutter to streets in areas in flood zones with severe and repetitive flood damage to prevent reoccurrence.	Continue In Progress	As improvements are made to streets and structures as funds available.	Flooding-Flash & River	1, 2	6	L
10	LaMotte-10	Continue to maintain existing outdoor warning siren systems and ensure appropriate coverage for population or ensure NOAA weather radios are available in uncovered areas.	Continue In Progress	City maintains all current sirens and earmarks funds in Capital Plan to replace as needed.	Tornado/Winds torm	1, 2	11	M
11	LaMotte-11	Purchase barricades and signage as deemed necessary to better communicate information.	Continue Not Started	City buys as needed and funds available.	Hail & Lightning from Thunderstorms ; Flooding-Flash & River; Tornado/Winds torm; Wildfire including Grass Fires	1, 2, 3	10	M
12	LaMotte-12	Train personnel as weather spotters.	Continue In Progress	Annual training with the Quad Cities NWS	Hail & Lightning from Thunderstorms ; Flooding-Flash & River; Tornado/Winds torm	2	12	M
13	LaMotte-13	Continue to improve public awareness of hazardous weather through newsletters, public notices, strolling signs, etc.	Continue Not Started	City participates in Rave, and provides updates/notifications through local access channel, social media. City has TV warning system through cable but looking to	Hail & Lightning from Thunderstorms ; Flooding-Flash & River; Tornado/Winds torm	3	12	M



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26	LaMotte-14	Build second water well in case of failure of first one.	Continue In Progress		Flooding-Flash & River	1, 2	10	M
32	LaMotte-15	Maintain backup generator and hookup for Wastewater lift stations.	Continue In Progress	Backup generator was purchased, city maintains it	Flooding-Flash & River	1, 2	8	M
83	LaMotte-16	Update snow and ice equipment as needed to better respond to snow and ice events.	Continue In Progress		Severe Winter Storms	1, 2	9	M
	LaMotte-17	Review and implement community snow policies and implement during smaller storms as appropriate so citizens are familiar with rules and regulations	Continue Not Started		Severe Winter Storms	1	15	H
27	LaMotte-18	Standpipes for water tower in case of tornadoes or high winds.	Continue In Progress		Hail & Lightning from Thunderstorms	2	10	M
1	Maquoketa-1	Maintain NFIP membership and meet all program requirements.	Continue In Progress	Map was updated and adopted in 2022; City has a floodplain management ordinance in place	Dam & Levee Failure; Flooding-Flash & River; Infrastructure Failure	1	11	M
2	Maquoketa-2	Identify and assist county in tracking critical facilities and vulnerable populations to improve responding to emergencies.	Continue In Progress	Currently using GIS Locator	All Natural Hazards and Non-Natural Hazards	1, 2	9	M
6	Maquoketa-3	Update fire and rescue equipment as needed to better respond to emergencies.	Continue In Progress	Maquoketa FD received Boots/Helmets USDA grant in 2021/2022 for approximately \$100,000	Excessive Heat; Wildfire, including Grass Fire; Hazardous Materials;	2	10	M

				(complete). Maquoketa FD ordered a rural pumper in 2023 for \$500,000. Maquoketa FD will have to order a Rescue Truck in 1-2 years to keep up with equipment replacement.	Transportation Incident			
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7	Maquoketa-4	Provide backup power generators and wiring for critical facilities.	Continue Not Started	When the funding is available backup power generators may be purchased as needed.	Severe Winter Storms; Tornado/Winds torm	2	11	M
8	Maquoketa-5	Consider building a tornado safe room for all new construction and rehabilitation projects.	Continue Not Started	Reviewed during planning phase of infrastructure and new construction projects	Severe Winter Storms; Tornado/Winds torm	1, 2	9	M
9	Maquoketa-6	Purchase or elevate structures, add lift stations, increase/ reinforce culvert size, and add curb and gutter to streets in areas in flood zones with severe and repetitive flood damage to prevent reoccurrence.	Continue In Progress	In progress per Levee Reconstruction in 2024. Designed to help mitigate flood risk in Maquoketa at or near N Main St and Maquoketa River.	Flooding-Flash & River	1, 2	7	M
10	Maquoketa-7	Continue to maintain existing outdoor warning siren systems and ensure appropriate coverage for population or ensure NOAA weather radios are available in uncovered areas.	Continue In Progress	City of Maquoketa maintains all current sirens and earmarks funds in Capital Plan to replace as needed.	Tornado/Winds torm	1, 2, 3	11	M

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11	Maquoketa-8	Purchase barricades and signage as deemed necessary to better communicate information.	Continue In Progress	This goal is "as needed" and has not been acted on. Similar signage was purchased by City for construction directional signage for private entrances	Hail & Lightning from Thunderstorms ; Flooding-Flash & River; Tornado/Winds torm; Wildfire including Grass Fires	1, 2	10	M
13	Maquoketa-9	Continue to improve public awareness of hazardous weather through newsletters, public notices, strolling signs, etc.	Continue In Progress	NWS and City Facebook continuously have a strong presence in immediately notifying the public if danger exists.	Hail & Lightning from Thunderstorms ; Flooding-Flash & River; Tornado/Winds torm	3	12	M
33	Maquoketa-10	Place valve for reservoir to help 'close' it off so flood water cannot get into it through the overflow. (Need would be reduced if levee were raised.)	Continue Not Started	Would need to be added to City's Capital Plan at this time.	Hail & Lightning from Thunderstorms ; Flooding-Flash & River; Tornado/Winds torm	1, 2	11	M
34	Maquoketa-11	Explore options to move utilities located on the dike area.	Continue In Progress	Part of the Levee Reconstruction project in 2024.	Dam & Levee Failure, Thunderstorm/ Lightning & Hail; Flooding-Flash & River; Tornado/Winds torm	2	7	M
35	Maquoketa-12	Create a 'borrow' pit for clay or other materials to build a berm. (Wouldn't need if levee was raised.)	Continue Not Started	Would need to be added to City's Capital Plan at this time.	Dam & Levee Failure, Flooding-Flash & River; Tornado/Winds torm	1, 2	11	M

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36	Maquoketa-13	Acquire two 10-inch trash pumps to help in flood fights.	Continue Not Started	May be a part of Levee Reconstruction Change Order at a future date.	Dam & Levee Failure, Flooding-Flash & River; Tornado/Winds torm	1, 2	9	M
38	Maquoketa-14	Complete an official survey of area to determine where lowest areas are to know where to sandbag first in the event of rising waters and based on this information, install river level flood gauge in the Maquoketa River north of the City to provide advance warning of flooding.	Continue Not Started	No attempts to start this goal have taken place.	Dam & Levee Failure; Flooding-Flash & River	2	13	H
39	Maquoketa-15	Install floodgate for 60" storm water main.	Continue In Progress	Part of the Levee Reconstruction project in 2024.	Dam & Levee Failure, Flooding-Flash & River; Tornado/Winds torm	1, 2	13	H
42	Maquoketa-16	Relocate public works plant to higher ground.	Continue Not Started	This goal is a 20-year goal. It is financially infeasible at present day.	Dam & Levee Failure, Flooding-Flash & River	2	10	M
44	Maquoketa-17	Consider permanently raising levee.	Continue In Progress	Maintenance of our current Levee is continual. 2024's Levee Construction is part of this continuity, and the City will continue to raise its Levee.	Dam & Levee Failure, Flooding-Flash & River	1, 2	13	H
45	Maquoketa-18	Continue maintenance and observation/ inspection of levee.	Continue In Progress	The City will explore and pursue constant inspection of Levee health post-reconstruction in 2024.	Dam & Levee Failure, Flooding-Flash & River	1	16	H

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46	Maquoketa-19	Explore public levee accreditation.	Continue In Progress	The City will explore and pursue accreditation of Levee health post-reconstruction in 2024.	Dam & Levee Failure, Flooding-Flash & River	2	7	M
48	Maquoketa-20	Adopt plan for Maquoketa Municipal Electric Utility (MMEU) to recover from power loss or down power lines.	Continue Not Started	No plans have been official, but the Utility has had to respond to widespread power loss. They did so in 2023 and mobilized pursuant to current policy.	Hail & Lightning from Thunderstorms ; Flooding-Flash & River; Tornado/Winds torm, Severe Winter Storms	1	13	H
50	Maquoketa-21	Review, develop, and revise evacuation plans with local fire and police departments.	Continue Not Started	No mass evacuation plans have been detailed by the City.	Thunderstorm and Lightning	1, 2	14	H
	Maquoketa-22	Review and implement community snow policies and implement during smaller storms as appropriate so citizens are familiar with rules and regulations	Continue In progress	The City implemented additional snow routes in 2022 by Ordinance. The City used its social media presence, publications, and Utility Billings to educate the public. Still, the City will continue to use these communication mediums to update the public on revised or new City policy.	Severe Winter Storms	1	15	H
	Maquoketa-23	Research and educate community on potential critical	New	N/A	Infrastructure Failure	1, 2	14	H

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		infrastructure issues, options and developing a plan to address potential CME & EMP events						
	Maquoketa-24	Implement plan, train personnel and purchase required equipment to minimize impact of CMP and EMP events	New	N/A	Infrastructure Failure	1, 2	14	H
1	Maquoketa CSD-1	Pursue the addition of a severe weather shelter/tornado saferoom in all new construction	Continue In progress		Tornado/Winds torm	1	14	H
81	Maquoketa CSD-1	Develop policy to prevent construction in the floodplain of education buildings or supporting structures (such as bus barns or maintenance sheds)	Continue In progress		Dam & Levee Failure	1	17	H
1	Miles-1	Maintain NFIP membership and meet all program requirements.	Continue In Progress	Map was updated and adopted in 2022; City has a floodplain management ordinance in place	Dam & Levee Failure; Flooding-Flash & River; Infrastructure Failure	1	11	M
2	Miles-2	Identify and assist county in tracking critical facilities and vulnerable populations to improve responding to emergencies.	Continue In Progress	Currently city provides list of critical facilities to county and county public health maintains database of vulnerable populations	All Natural Hazards and Non-Natural Hazards	1, 2	9	M
3	Miles-3	Maintain call down list of all critical personnel.	Continue In Progress	City created and now maintains a list.	All Natural Hazards and Non-Natural Hazards	2, 3	11	M

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4	Miles-4	Maintain procedure to backup all critical data to prevent loss in the event of hazard.	Continue In Progress		All Natural Hazards and Non-Natural Hazards	2, 3	12	M
5	Miles-5	Continue to maintain and enforce snow removal policies.	Continue In Progress		Severe Winter Storms	1	9	M
6	Miles-6	Update fire and rescue equipment as needed to better respond to emergencies.	Continue In Progress	City has updated its equipment and continues to monitor needs for additional equipment	Excessive Heat; Wildfire, including Grass Fire; Hazardous Materials; Transportation Incident	2	10	M
7	Miles-7	Provide backup power generators and wiring for critical facilities.	Continue In Progress		Severe Winter Storms; Tornadoes and other High Wind	1, 2	11	M
8	Miles-8	Consider building a tornado safe room for all new construction and rehabilitation projects.	Continue Not Started	City is looking into options regarding this capital improvement.	Severe Winter Storms; Tornado/Winds torm	1, 2	9	M
9	Miles-9	Purchase or elevate structures, add lift stations, increase/ reinforce culvert size, and add curb and gutter to streets in areas in flood zones with severe and repetitive flood damage to prevent reoccurrence.	Continue In Progress	As improvements are made to streets and structures as funds available.	Flooding-Flash & River	1, 2	6	L
10	Miles-10	Continue to maintain existing outdoor warning siren systems and ensure appropriate coverage for population or ensure NOAA weather radios are available in uncovered areas.	Continue In Progress	City maintains all current sirens and earmarks funds in Capital Plan to replace as needed.	Tornado/Winds torm	1, 2, 3	11	M

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11	Miles-11	Purchase barricades and signage as deemed necessary to better communicate information.	Continue In Progress	City buys as needed and funds available.	Hail & Lightning from Thunderstorms ; Flooding-Flash & River; Tornado/Winds torm; Wildfire including Grass Fires	1, 2	10	M
12	Miles-12	Train personnel as weather spotters.	Continue In Progress	Annual training with the Quad Cities NWS	Hail & Lightning from Thunderstorms ; Flooding-Flash & River; Tornado/Winds torm	2	12	M
13	Miles-13	Continue to improve public awareness of hazardous weather through newsletters, public notices, strolling signs, etc.	Continue In Progress	City participates in Rave, and provides updates/notifications through local access channel, social media. City has TV warning system through cable but looking to switch to streaming.	Hail & Lightning from Thunderstorms ; Flooding-Flash & River; Tornado/Winds torm	3	12	M
83	Miles-14	Update snow and ice equipment as needed to better respond to snow and ice events.	Continue In Progress		Severe Winter Storms	1, 2	11	M
	Miles-15	Review and implement community snow policies and implement during smaller storms as appropriate so citizens are familiar with rules and regulations	Continue Not Started		Severe Winter Storms	1	15	H



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1	Monmouth-1	Maintain NFIP membership and meet all program requirements.	Continue In Progress	Map was updated and adopted in 2022; City has a floodplain management ordinance in place	Dam & Levee Failure; Flooding-Flash & River; Infrastructure Failure	1	11	M
2	Monmouth-2	Identify and assist county in tracking critical facilities and vulnerable populations to improve responding to emergencies.	Continue In Progress	Currently city provides list of critical facilities to county and county public health maintains database of vulnerable populations	All Natural Hazards and Non-Natural Hazards	1, 2	9	M
3	Monmouth-3	Maintain call down list of all critical personnel.	Continue In Progress	City created and now maintains a list.	All Natural Hazards and Non-Natural Hazards	2, 3	11	M
4	Monmouth-4	Maintain procedure to backup all critical data to prevent loss in the event of hazard.	Continue In Progress	City backs up critical data.	All Natural Hazards and Non-Natural Hazards	2, 3	12	M
5	Monmouth-5	Continue to maintain and enforce snow removal policies.	Continue In Progress		Severe Winter Storms	1	9	M
7	Monmouth-6	Provide backup power generators and wiring for critical facilities.	Continue Not Started		Excessive Heat; Wildfire, including Grass Fire; Hazardous Materials; Transportation Incident	1, 2	11	M
8	Monmouth-7	Consider building a tornado safe room for all new construction and rehabilitation projects.	Continue Not Started		Severe Winter Storms; Tornado/Winds torm	1, 2	9	M

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9	Monmouth-8	Purchase or elevate structures, add lift stations, increase/reinforce culvert size, and add curb and gutter to streets in areas in flood zones with severe and repetitive flood damage to prevent reoccurrence.	Continue Not Started	As improvements are made to streets and structures as funds available.	Flooding-Flash & River	1, 2	6	L
10	Monmouth-9	Continue to maintain existing outdoor warning siren systems and ensure appropriate coverage for population or ensure NOAA weather radios are available in uncovered areas.	Continue In Progress	City maintains all current sirens and earmarks funds in Capital Plan to replace as needed.	Tornado/Winds torm	1, 2, 3	11	M
11	Monmouth-10	Purchase barricades and signage as deemed necessary to better communicate information.	Continue Not Started		Hail & Lightning from Thunderstorms ; Flooding-Flash & River; Tornado/Winds torm; Wildfire including Grass Fires	1, 2, 3	10	M
12	Monmouth-11	Train personnel as weather spotters.	Continue Not Started		Hail & Lightning from Thunderstorms ; Flooding-Flash & River; Tornado/Winds torm	2	12	M
13	Monmouth-12	Continue to improve public awareness of hazardous weather through newsletters, public notices, strolling signs, etc.	Continue Not Started		Hail & Lightning from Thunderstorms ; Flooding-Flash & River; Tornado/Winds torm	2, 3	12	M

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	Monmouth-13	Review and implement community snow policies and implement during smaller storms as appropriate so citizens are familiar with rules and regulations	Continue Not Started	City participates in Rave, and provides updates/notifications through local access channel, social media. City has TV warning system through cable but looking to switch to streaming.	Hail & Lightning from Thunderstorms ; Flooding-Flash & River; Tornado/Winds torm	1, 3	15	H
2	Preston-1	Identify and assist county in tracking critical facilities and vulnerable populations to improve responding to emergencies.	Continue In Progress	Currently city provides list of critical facilities to county and county public health maintains database of vulnerable populations	All Natural Hazards and Non-Natural Hazards	1, 2	9	M
4	Preston-2	Maintain procedure to backup all critical data to prevent loss in the event of hazard.	Continue In Progress	City backs up critical data.	All Natural Hazards and Non-Natural Hazards	2 & 3	12	M
5	Preston-3	Continue to maintain and enforce snow removal policies.	Continue In Progress	Reviewed annually	Severe Winter Storms	1	9	M
6	Preston-4	Update fire and rescue equipment as needed to better respond to emergencies.	Continue In Progress	City has updated its equipment and continues to monitor needs for additional equipment	Excessive Heat; Wildfire, including Grass Fire; Hazardous Materials; Transportation Incident	1, 2	10	M
8	Preston-5	Consider building a tornado safe room for all new construction and rehabilitation projects.	Continue Not Started	City assesses during infrastructure improvement planning	Tornado/Winds torm	1, 2	9	M

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83	Preston-6	Update snow and ice equipment as needed to better respond to snow and ice events.	Continue In Progress		Severe Winter Storms	1, 2	11	M
84	Preston-7	Review and implement community snow policies and implement during smaller storms as appropriate so citizens are familiar with rules and regulations	Continue Not Started	City participates in Rave, and provides updates/notifications through local access channel, social media. City has TV warning system through cable but looking to switch to streaming.	Hail & Lightning from Thunderstorms ; Flooding-Flash & River; Tornado/Winds torm	1, 3	15	H
54	Preston-8	Continue to assist county in maintaining a list of people on oxygen in the event of a power outage.	Continue In Progress	Jackson County Public Health maintains list	All Natural Hazards and Non-Natural Hazards	1	12	M
	Preston-9	Research and educate community on potential critical infrastructure issues, options and developing a plan to address potential CME & EMP events	New	N/A	Infrastructure Failure	1, 2	14	H
	Preston-10	Implement plan, train personnel and purchase required equipment to minimize impact of CMP and EMP events	New	N/A	Infrastructure Failure	1, 2	14	H
1	Preston CSD-1	Build shelter/tornado saferoom in all new construction	Continue In Progress		Tornado/Winds torm	1	14	H
82	Preston CSD-2	Develop policy to prevent construction in the floodplain of education buildings or supporting structures	Continue In Progress		Flooding-Flash & River	1	17	H

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1	Sabula-1	Maintain NFIP membership and meet all program requirements.	Continue In Progress	Map was updated and adopted in 2022	Dam & Levee Failure; Flooding-Flash & River; Infrastructure Failure	1	11	M
2	Sabula-2	Identify and assist county in tracking critical facilities and vulnerable populations to improve responding to emergencies.	Continue In Progress	Currently city provides list of critical facilities to county and county public health maintains database of vulnerable populations	All Natural Hazards and Non-Natural Hazards	1, 2	9	M
3	Sabula-3	Create call down list of all critical personnel.	Continue In Progress	City to create and maintain list	All Natural Hazards and Non-Natural Hazards	2, 3	11	M
4	Sabula-4	Maintain procedure to backup all critical data to prevent loss in the event of hazard.	Continue In Progress	City has purchased a new software that has backup protection to the Cloud for the office.	All Natural Hazards and Non-Natural Hazards	2, 3	12	M
5	Sabula-5	Continue to maintain and enforce snow removal policies.	Continue In Progress		Severe Winter Storms	1	9	M
6	Sabula-6	Update fire and rescue equipment as needed to better respond to emergencies.	Continue In Progress		Excessive Heat; Wildfire, including Grass Fire; Hazardous Materials; Transportation Incident	1, 2	10	M
7	Sabula-7	Provide backup power generators and wiring for critical facilities.	Continue In Progress		Excessive Heat; Wildfire, including Grass Fire; Hazardous Materials; Transportation Incident	1, 2	10	M

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8	Sabula-8	Consider building a tornado safe room for all new construction and rehabilitation projects.	Continue Not Started		Tornado/Winds torm	1, 2	9	M
9	Sabula-9	Purchase or elevate structures, add lift stations, increase/reinforce culvert size, and add curb and gutter to streets in areas in flood zones with severe and repetitive flood damage to prevent reoccurrence.	Continue Not Started		Flooding-Flash & River	1, 2	6	L
10	Sabula-10	Continue to maintain existing outdoor warning siren systems and ensure appropriate coverage for population or ensure NOAA weather radios are available in uncovered areas.	Continue In Progress		Tornado/Winds torm	1, 2, 3	11	M
11	Sabula-11	Purchase barricades and signage as deemed necessary to better communicate information.	Continue In Progress		Hail & Lightning from Thunderstorms ; Flooding-Flash & River; Tornado/Winds torm; Wildfire including Grass Fires	1, 2, 3	10	M
12	Sabula-12	Train personnel as weather spotters.	Continue In Progress	City will continue to train weather spotters through local fire department.	Hail & Lightning from Thunderstorms ; Flooding-Flash & River; Tornado/Winds torm; Wildfire including Grass Fires	2	12	M
13	Sabula-13	Continue to improve public awareness of hazardous weather through newsletters, public notices, strolling signs, etc.	Continue In Progress	City to replace, add no strolling signs along Levee	Hail & Lightning from Thunderstorms ; Flooding-Flash & River; Tornado/Winds torm	2, 3	12	M

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57	Sabula-14	Purchase additional signage to re-direct traffic during floods.	Continue In Progress		Hail & Lightning from Thunderstorms ; Flooding-Flash & River; Tornado/Winds torm	1, 2, 3	13	H
58	Sabula-15	Replace storm drains that can shut gate with pump.	Continue Not Started		Hail & Lightning from Thunderstorms ; Flooding-Flash & River; Tornado/Winds torm	1, 2	13	H
60	Sabula-16	Construct a new flood pump station	Continue Not Started		Dam & Levee Failure, Thunderstorm/ Lightning & Hail; Flooding-Flash & River; Tornado/Winds torm	1, 2	15	H
65	Sabula-17	Evaluate and monitor potential risk with utility placements.	Continue In Progress		Dam & Levee Failure, Thunderstorm/ Lightning & Hail; Flooding-Flash & River; Tornado/Winds torm	1 2	12	M
66	Sabula-18	Continue to improve coordination with power companies in response to downed power lines.	Continue In Progress		Severe Winter Storm, Thunderstorm and Lightning	2, 3	14	H
67	Sabula-19	Continue to trim dead or weak branches from trees throughout the city.	Continue In Progress		Hail & Lightning from Thunderstorms ; Severe Winter Storm; Tornado/Winds torm	1, 2	15	H
68	Sabula-20	Review and implement community snow policies and implement during smaller storms as appropriate so citizens are familiar with rules and regulations	Continue In Progress		Severe Winter Storms	1, 2	15	H

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1	Spragueville -1	Maintain NFIP membership and meet all program requirements.	Continue In Progress	Map was updated and adopted in 2022	Dam & Levee Failure; Flooding-Flash & River; Infrastructure Failure	1	11	M
2	Spragueville -2	Identify and assist county in tracking critical facilities and vulnerable populations to improve responding to emergencies.	Continue In Progress	Currently city provides list of critical facilities to county and county public health maintains database of vulnerable populations	All Natural Hazards and Non-Natural Hazards	1, 2	9	M
3	Spragueville -3	Maintain call down list of all critical personnel.	Continue In Progress	City to create and maintain list	All Natural Hazards and Non-Natural Hazards	2, 3	11	M
4	Spragueville -4	Maintain procedure to backup all critical data to prevent loss in the event of hazard.	Continue In Progress	City has purchased a new software that has backup protection to the Cloud for the office.	All Natural Hazards and Non-Natural Hazards	2, 3	12	M
5	Spragueville -5	Continue to maintain and enforce snow removal policies.	Continue In Progress		Severe Winter Storms	1	9	M
6	Spragueville -6	Update fire and rescue equipment as needed to better respond to emergencies.	Continue In Progress		Excessive Heat; Wildfire, including Grass Fire; Hazardous Materials; Transportation Incident	1, 2	10	M
7	Spragueville -7	Provide backup power generators and wiring for critical facilities.	Continue Not Started	City plans to research and secure funding to complete this action in next 2- yrs.	Excessive Heat; Wildfire, including Grass Fire; Hazardous Materials; Transportation Incident	1, 2	11	M



2019 Action ID	Jurisdiction -2024 Action ID	Mitigation Action	Action Status (Completed, Cancelled, Continue In-Progress or Continue Not Started, New)	Progress/Status Update	Hazards Addressed	Goal Referenced	Score	Priority (H=High, M=Medium, L=Low)
8	Spragueville -8	Consider building a tornado safe room for all new construction and rehabilitation projects.	Continue Not Started	City plans to research and secure funding to complete this action	Tornado/Winds torm	1, 2	9	M
9	Spragueville -9	Purchase or elevate structures, add lift stations, increase/ reinforce culvert size, and add curb and gutter to streets in areas in flood zones with severe and repetitive flood damage to prevent reoccurrence.	Continue Not Started	City plans to research and secure funding to complete action item	Flooding-Flash & River	1, 2	6	L
10	Spragueville -10	Continue to maintain existing outdoor warning siren systems and ensure appropriate coverage for population or ensure NOAA weather radios are available in uncovered areas.	Continue Not Started	City plans to research and secure funding to complete action item	Tornado/Winds torm	1, 2, 3	11	M
11	Spragueville -11	Purchase barricades and signage as deemed necessary to better communicate information.	Continue In Progress	City plans to write grant and secure funding to complete action item	Hail & Lightning from Thunderstorms ; Flooding-Flash & River; Tornado/Winds torm; Wildfire including Grass Fires	1, 2	10	M
12	Spragueville -12	Train personnel as weather spotters.	Continue In Progress	City will continue to train weather spotters	Hail & Lightning from Thunderstorms ; Flooding-Flash & River; Tornado/Winds torm; Wildfire including Grass Fires	2	12	M
13	Spragueville -13	Continue to improve public awareness of hazardous weather through newsletters, public notices, strolling signs, etc.	Continue In Progress		Hail & Lightning from Thunderstorms ; Flooding-Flash & River; Tornado/Winds torm	2, 3	12	M

2019 Action ID	Jurisdiction -2024 Action ID	Mitigation Action	Action Status (Completed, Cancelled, Continue In-Progress or Continue Not Started, New)	Progress/Status Update	Hazards Addressed	Goal Referenced	Score	Priority (H=High, M=Medium, L=Low)
68	Spragueville -14	Maintain a storm debris cleanup plan.	Continue In Progress		Hail & Lightning from Thunderstorms ; Flooding-Flash & River; Tornado/Winds torm	2, 3	9	M
83	Spragueville -15	Update snow and ice equipment as needed to better respond to snow and ice events.	Continue Not Started	The city will need to research and secure funding	Severe Winter Storms	1, 2	11	M
3	Springbrook-1	Maintain call down list of all critical personnel.	Continue In Progress		All Natural Hazards and Non-Natural Hazards	1,2, 3	11	M
4	Springbrook-2	Maintain procedure to backup all critical data to prevent loss in the event of hazard.	Continue In Progress		All Natural Hazards and Non-Natural Hazards	1, 2	12	M
5	Springbrook-3	Continue to maintain and enforce snow removal policies.	Continue In Progress	City council has updated snow ordinances	Severe Winter Storms	1	9	M
6	Springbrook-4	Update fire and rescue equipment as needed to better respond to emergencies.	Continue In Progress	The fire department continues to update, train and replace equipment as needed.	Excessive Heat; Wildfire, including Grass Fire; Hazardous Materials; Transportation Incident	1, 2	10	M
8	Springbrook-5	Consider building a tornado safe room for all new construction and rehabilitation projects.	Continue Not Started		Severe Winter Storms; Tornadoes and other High Wind	1, 2	9	M
9	Springbrook-6	Purchase or elevate structures, add lift stations, increase/ reinforce culvert size, and add curb and gutter to streets in areas in flood zones with severe and repetitive flood damage to prevent reoccurrence.	Continue In Progress	Springbrook has plans for curb and gutter, but the cost can't be done under our current budget. We did put curb and gutter on 3rd St when we paved it.	Flooding-Flash & River	1, 2	6	L

2019 Action ID	Jurisdiction -2024 Action ID	Mitigation Action	Action Status (Completed, Cancelled, Continue In-Progress or Continue Not Started, New)	Progress/Status Update	Hazards Addressed	Goal Referenced	Score	Priority (H=High, M=Medium, L=Low)
10	Springbrook-7	Continue to maintain existing outdoor warning siren systems and ensure appropriate coverage for population or ensure NOAA weather radios are available in uncovered areas.	Continue In Progress	City maintains and tests sirens monthly	Tornado/Winds torm	1, 2, 3	11	M
11	Springbrook-8	Purchase barricades and signage as deemed necessary to better communicate information.	Continue In Progress	City has purchased as needed and fire department has some barricades to keep community safe	Hail & Lightning from Thunderstorms ; Flooding-Flash & River; Tornado/Winds torm; Wildfire including Grass Fires	1, 2	10	M
12	Springbrook-9	Train personnel as weather spotters.	Continue In Progress	First responders are trained annually	Hail & Lightning from Thunderstorms ; Flooding-Flash & River; Tornado/Winds torm; Wildfire including Grass Fires	2	12	M
13	Springbrook-10	Continue to improve public awareness of hazardous weather through newsletters, public notices, strolling signs, etc.	Continue In Progress		All Natural Hazards and Non-Natural Hazards	1,2 3	12	M
70	Springbrook-11	Maintain and upgrade generator to power for city water.	Continue In Progress	Plan was put in place and fire men trained. Due to lack of use algae forms in fuel. Need to research alternative and possibly upgrade generator	Flooding-Flash & River	1, 2	4	L
71	Springbrook-12	Continue to coordinate recovery of downed power lines with Alliant Energy, local fire	Continue In Progress		Severe Winter Storm, Thunderstorm and Lightning	1,2 3	12	M

2019 Action ID	Jurisdiction -2024 Action ID	Mitigation Action	Action Status (Completed, Cancelled, Continue In-Progress or Continue Not Started, New)	Progress/Status Update	Hazards Addressed	Goal Referenced	Score	Priority (H=High, M=Medium, L=Low)
		department personnel and law enforcement.						
84	Springbrook-13	Review and implement community snow policies and implement during smaller storms as appropriate so citizens are familiar with rules and regulations	Continue In Progress	City reviews and updates ordinances when needed	Severe Winter Storms	1	15	H
1	St. Donatus-1	Maintain NFIP membership and meet all program requirements.	Continue In Progress		Dam & Levee Failure; Flooding-Flash & River; Infrastructure Failure	1	11	M
2	St. Donatus-2	Identify and assist county in tracking critical facilities and vulnerable populations to improve responding to emergencies.	Continue In Progress	Currently city provides list of critical facilities to county and county public health maintains database of vulnerable populations	All Natural Hazards and Non-Natural Hazards	1, 2	9	M
3	St. Donatus-3	Create call down list of all critical personnel.	Continue In Progress	City to create and maintain list	All Natural Hazards and Non-Natural Hazards	1, 2	11	M
4	St. Donatus-4	Maintain procedure to backup all critical data to prevent loss in the event of hazard.	Continue In Progress	City is working on installing a backup system	All Natural Hazards and Non-Natural Hazards	1, 2	12	M
5	St. Donatus-5	Continue to maintain and enforce snow removal policies.	Continue In Progress	City council has updated snow ordinances	Severe Winter Storms	1, 2	9	M
7	St. Donatus-6	Provide backup power generators and wiring for critical facilities.	Continue Not Started	City has sanitary system with backup generator and maintains and improves as needed	Excessive Heat; Wildfire, including Grass Fire; Hazardous Materials; Transportation Incident	1, 2	11	M

2019 Action ID	Jurisdiction -2024 Action ID	Mitigation Action	Action Status (Completed, Cancelled, Continue In-Progress or Continue Not Started, New)	Progress/Status Update	Hazards Addressed	Goal Referenced	Score	Priority (H=High, M=Medium, L=Low)
9	St. Donatus-7	Purchase or elevate structures, add lift stations, increase/reinforce culvert size, and add curb and gutter to streets in areas in flood zones with severe and repetitive flood damage to prevent reoccurrence.	Continue In Progress	City restructured lagoon added lift station and generator in 2018 and 2019. Improvements and maintenance ongoing	Flooding-Flash & River	1, 2	6	L
13	St. Donatus-8	Continue to improve public awareness of hazardous weather through newsletters, public notices, strolling signs, etc.	Continue In Progress	Upgraded to Rave Alert System to notify public of hazardous weather; educate public during severe weather week with public private sector using all social media	Hail & Lightning from Thunderstorms ; Flooding-Flash & River; Tornado/Winds torm	3	12	M
14	St. Donatus-9	Review and implement community snow policies and implement during smaller storms as appropriate so citizens are familiar with rules and regulations	Continue In Progress	City revies and updates ordinances when needed	Severe Winter Storms	1, 2	15	H
74	St. Donatus-10	Install storm sewers for entire town	Continue In Progress	City is midst of doing this working on West First St, which is priority area	Hail & Lightning from Thunderstorms ; Flooding-Flash & River; Tornado/Winds torm	1, 2	12	M
83	St. Donatus-11	Update snow and ice equipment as needed to better respond to snow and ice events.	Continue In Progress		Severe Winter Storms	1, 2	11	M
1	Unicorporated -1	Maintain NFIP membership and meet all program requirements.	Continue In Progress	Map was updated and adopted in 2022	Dam & Levee Failure; Flooding-Flash & River; Infrastructure Failure	1	11	M

2019 Action ID	Jurisdiction -2024 Action ID	Mitigation Action	Action Status (Completed, Cancelled, Continue In-Progress or Continue Not Started, New)	Progress/Status Update	Hazards Addressed	Goal Referenced	Score	Priority (H=High, M=Medium, L=Low)
5	Unincorporated -2	Maintain and enforce snow removal policies.	Continue In Progress	Re-evaluated annually	Severe Winter Storms	1, 2	9	M
7	Unincorporated -3	Provide backup power generators and wiring for critical facilities.	Continue In Progress	Work with public entities and advised when generator funding is available	Severe Winter Storms; Tornadoes and other High Wind	1, 2	11	M
8	Unincorporated -4	Consider building a tornado safe room for all new construction and rehabilitation projects	Continue Not Started	Jackson County works with Public/Private Sector when constructing facilities with directing and funding sources	Severe Winter Storms; Tornado/Winds torm	1, 2	9	M
9	Unincorporated -5	Purchase or elevate structures, add lift stations, increase/ reinforce culvert size, and add curb and gutter to streets in areas in flood zones with severe and repetitive flood damage to prevent reoccurrence.	Continue In Progress	Most of Jackson County flooding is agriculture ground and is evaluated and buy out is discussed with flooding	Flooding-Flash & River	1, 2	6	L
10	Unincorporated -6	Continue to maintain existing outdoor warning siren systems and ensure appropriate coverage for population or ensure NOAA weather radios are available in uncovered areas.	Continue In Progress	Test ongoing Monday-Saturday at noon. Follow SOG at dispatch for activation.	Tornado/Winds torm	1, 2, 3	11	M
11	Unincorporated -7	Purchase barricades and signage as deemed necessary to better communicate information.	Continue In Progress	Ongoing, Purchase as needed and replaced aging signs and damaged signs	Hail & Lightning from Thunderstorms ; Flooding-Flash & River; Tornado/Winds torm; Wildfire including Grass Fires	1, 2	10	M

2019 Action ID	Jurisdiction -2024 Action ID	Mitigation Action	Action Status (Completed, Cancelled, Continue In-Progress or Continue Not Started, New)	Progress/Status Update	Hazards Addressed	Goal Referenced	Score	Priority (H=High, M=Medium, L=Low)
12	Unicorporated -8	Train personnel as weather spotters.	Continue In Progress	Annual training with the Quad Cities NWS	Hail & Lightning from Thunderstorms ; Flooding-Flash & River; Tornado/Winds torm	2	12	M
13	Unicorporated -9	Continue to improve public awareness of hazardous weather through newsletters, public notices, strolling signs, etc.	Continue In Progress	Upgraded to Rave Alert System to notify public of hazardous weather; educate public during severe weather week with public private sector using all social media	Hail & Lightning from Thunderstorms ; Flooding-Flash & River; Tornado/Winds torm	3	12	M
14	Unicorporated -10	Review and implement community snow policies and implement during smaller storms as appropriate so citizens are familiar with rules and regulations	Continue In Progress	Ongoing, educating public on policies on activation of Secondary Roads and priorities of road having snow removal.	Severe Winter Storms	1	15	H
77	Unicorporated -11	Create a database of most vulnerable individuals with special needs to assist in a hazard event.	Continue In Progress	Ongoing, work with Jackson County public health on an accurate individual with special needs call HHS empower Program. This is a government run database	All Natural Hazards and Non-Natural Hazards	1, 2	12	M
	Unicorporated -12	Research and educate community on potential critical infrastructure issues, options and developing a plan to address potential CME & EMP events	New	N/A	Infrastructure Failure	1, 2	14	H

2019 Action ID	Jurisdiction -2024 Action ID	Mitigation Action	Action Status (Completed, Cancelled, Continue In- Progress or Continue Not Started, New)	Progress/Stat us Update	Hazards Addressed	Goal Referenced	Score	Priority (H=High, M=Medium, L=Low)
	Unincorporated -13	Implement plan, train personnel and purchase required equipment to minimize impact of CMP and EMP events	New	N/A	Infrastructure Failure	1, 2	14	H



**Table 4.4 Mitigation Action Implementation Strategy - Continuing and New Actions**

Jurisdiction-2024 Action ID	Issue Implementing, Background	Responsible Office In Jurisdiction	Partners - Who would help?	Potential Funding Source(s)	Cost Estimate	Benefits	Timeline (how many yrs to complete?)
Andrew-1	Continuity of operations	Andrew City Clerk	Jackson County Engineer, Public Health & Emergency Management Agency (EMA); Bellevue Fire and Rescue	Local-general funds	\$50,000 to \$100,000	Life Safety Continue City Operations	Ongoing
Andrew-2		Andrew City Council	Jackson County EMA & Public Health	N/A	Little or no cost	Life Safety Daily Operations	Ongoing
Andrew-3		Andrew City Clerk		Local-general funds	\$10,000 to \$50,000	Continue City Operations	Ongoing
Andrew-4		Andrew Public Works	Jackson County	N/A	Little or no cost	Life Safety Daily Operations	Ongoing
Andrew-5		Andrew Fire Department	Jackson County	Local-general funds, Jackson County grants, FEMA Grants	\$100,000 to \$500,000	Life Safety Daily Operations	2-3 yrs
Andrew-6	Cost	Andrew Fire & Rescue	City Council; FEMA	FEMA grant, USDA, Local-capital fund	\$50,000 to \$100,000	Reduce Property Damage; Life Safety	2-3 yrs
Andrew-7		Andrew City Council	Private Developers	FEMA grant, IADNR grant, Local-general or capital funds	\$50,000 to \$100,000	Public Safety	3-5 yrs
Andrew-8		Andrew City Clerk	Jackson County EMA		Little or no cost	Public Awareness	Ongoing
Andrew-9		Bellevue Public Works		N/A	Little or no cost	Better resident understanding of what to do during severe winter events	Ongoing

Jurisdiction-2024 Action ID	Issue Implementing, Background	Responsible Office In Jurisdiction	Partners - Who would help?	Potential Funding Source(s)	Cost Estimate	Benefits	Timeline (how many yrs to complete?)
Andrew-10	Cost	Andrew Public Works	Jackson County EMA	FEMA Grants, Local-general funds, or road use fund	\$10,000 to \$50,000	Public Awareness	3-5 yrs
Andrew-11		Andrew Public Works		FEMA Grants, Local-general funds		Life safety, Reduce Property Damage	1 yr
Andrew CSD-1	Develop more hardened areas for student and faculty safety during a tornado or severe weather event	Andrew School Board		Grants	\$500,000 to \$1,000,000	Increased student and faculty safety	3 -5 yrs
Baldwin-1		Public Works		N/A	Little or no cost	Better resident understanding of what to do during severe winter events	
Baldwin-2	Identify Valuable population for Public Safety Responder	City Council	EMA/GIS		Little or no cost	Continue City Operations	
Baldwin-3	Keep Roads Clear & Clean Up	City Council			Little or no cost	Life Safety Daily Operations	Short Term
Baldwin-4		City Council		City Budget	Less than \$10,000	Continue City Operations	
Baldwin-5		City Council			Little or no cost	Life Safety Daily Operations	
Baldwin-6		City Council			\$10,000 to \$50,000	Continue City Operations	
Baldwin-7		City Council			\$50,000 to \$100,000	Public Safety	
Baldwin-8	Cost	City Council			\$100,000 to \$500,000	Continue City Operations	

Jurisdiction-2024 Action ID	Issue Implementing, Background	Responsible Office In Jurisdiction	Partners - Who would help?	Potential Funding Source(s)	Cost Estimate	Benefits	Timeline (how many yrs to complete?)
Baldwin-9	Cost	City Council			\$10,000 to \$50,000	Public Awareness	
Baldwin-10	Cost	Street Department			Less than \$10,000	Public Safety	
Baldwin-11		General Population			Little or no cost	Life Safety Public Safety	
Baldwin-12	Cost	City/Fire/EMS			Little or no cost	Public Awareness	
Baldwin-13	Cost	City Council			Little or no cost	Public Safety	
Baldwin-14	Funding, Regulations	Public Works				Public Safety	
Bellevue-1	Cost	Bellevue City Administrator			Little or no cost	Reduce Cost	Ongoing
Bellevue-2	Continuity of operations	Bellevue City Administrator	Jackson County Engineer, Public Health & Emergency Management Agency (EMA); Bellevue Fire and Rescue	Local-general funds	\$50,000 to \$100,000	Life Safety Continue City Operations	Ongoing
Bellevue-3		Bellevue City Administrator	Street Department	Road use fund	Little or no cost	Life Safety Daily Operations	Ongoing
Bellevue-4		Bellevue Fire & Rescue	City Council	FEMA, USDA, Local-capital fund	\$100,000 to \$500,000	Life Safety Daily Operations	2-3 yrs
Bellevue-5	Lack of Funds impact obtaining	Bellevue Fire & Rescue	City Council; FEMA	FEMA grant, USDA, Local-capital fund	\$10,000 to \$50,000	Reduce Property Damage; Life Safety	2-3 yrs
Bellevue-6		Bellevue City Administrator	Private Developers	FEMA grant, IADNR grant, Local-general or capital funds	\$50,000 to \$100,000	Public Safety	3-5 yrs

Jurisdiction-2024 Action ID	Issue Implementing, Background	Responsible Office In Jurisdiction	Partners - Who would help?	Potential Funding Source(s)	Cost Estimate	Benefits	Timeline (how many yrs to complete?)
Bellevue-7		Bellevue Public Works	Jackson County; IA Department of Transportation (IDOT)	IDOT grant, Road use fund	\$500,000 to \$1,000,000	Reduce Property Damage	3-5 yrs
Bellevue-8	Currently all our sirens are in working condition. And city monitors to assure they are in working condition.	Bellevue Municipal Utilities	Jackson County EMA	FEMA Grants, Local-general funds, or road use fund	\$10,000 to \$50,000	Public Awareness	3-5 yrs
Bellevue-9	Funding is designated in our budget annually for replacement of inferior barricades, signs, and cones.	Bellevue Public Works	FEMA	FEMA grants, local-general funds, or road use fund	Less than \$10,000	Public Safety	Ongoing
Bellevue-10		Bellevue Police	Quad Cities National Weather Service		Little or no cost	Public Safety	Ongoing
Bellevue-11		Bellevue City Clerk	Jackson County EMA		Little or no cost	Public Awareness	Ongoing
Bellevue-12		Bellevue City Clerk	Jackson County EMA & Public Health		Little or no cost	Life Safety	Ongoing
Bellevue-13	City needs to work with Railroad Company and seek funding to plan and implement construction of accessible route around railroads to allow for emergency personnel and vehicles to access emergencies in timely manner.	Bellevue Municipal Utilities	Railroad Company, Jackson County EMA, IDOT, FEMA	Railroad Company grant, IDOT grant, FEMA grant, local-general funds	Over \$1,000,000	Public Safety	3-5 yrs
Bellevue-14	Obtaining funding for permanent shelter and safe room	Bellevue City Administrator	FEMA, USDA	FEMA grant, USDA grant, private funds	Little or no cost	Public Safety	3-5 yrs

Jurisdiction-2024 Action ID	Issue Implementing, Background	Responsible Office In Jurisdiction	Partners - Who would help?	Potential Funding Source(s)	Cost Estimate	Benefits	Timeline (how many yrs to complete?)
Bellevue-15		Bellevue City Administrator		Local general funds	Little or no cost	Reduce Property Damage	2-3 yrs
Bellevue-16		Bellevue Public Works	IDOT	IDOT grants, Local general funds & Street/Road use funds	\$100,000 to \$500,000	Life Safety, Public Safety	Ongoing
Bellevue-17		Bellevue Public Works		N/A	Little or no cost	Better resident understanding of what to do during severe winter events	Ongoing
Bellevue-18	Current culvert not large enough to manage runoff or water from 100-year flood event	Bellevue Public Works	IDOT	IDOT grant, FEMA grant, Local Road Use Fund	\$500,000-\$750,000	Reduce Property Damage	3-5 yrs
Bellevue-19	Relatively new topic. A lot of unknowns at this point. Potential for long term consequences if not managed correctly; Will need to research funding resources to implement plan to minimize impact of CME and EMP events.	Bellevue Utilities	FEMA, IAMU, National Utility Organizations	Local-general funds; Utility funds	\$10,000 - \$50,000	Public Safety, Reduce Property Damage	2-3 yrs
Bellevue-20	There would be short- and long-term consequences for not acting if there is a CME or EMP event and it could be devastating.	Bellevue Utilities	FEMA, IAMU, National Utility Organizations	Local-general funds; Utility funds, FEMA	\$750,000-\$1,000,000	Public Safety, Reduce Property Damage	3-5 yrs
Jurisdiction-2024 Action ID	Issue Implementing, Background	Responsible Office In Jurisdiction	Partners - Who would help?	Potential Funding Source(s)	Cost Estimate	Benefits	Timeline (how many yrs to complete?)

Bellevue CSD-1	Communicating policy to key stakeholders, regardless of their 'memories' of the area and their personal thoughts; by implementing will lower insurance cost, enhance stability of school structures, and save money in the future.	Bellevue School Board	City of Bellevue	N/A	Little or no cost	Reduce Property Damage	1 year
LaMotte-1		LaMotte City Council	Jackson County EMA	N/A	Little or no cost	Reduce Property Damage, Life Safety	Ongoing
LaMotte-2		LaMotte City Clerk	Jackson County Engineer, EMA/GIS & Public Health	Local-general funds	\$50,000 to \$100,000	Life Safety Continue City Operations	Ongoing
LaMotte-3		LaMotte City Council	Jackson County EMA & Public Health	N/A	Little or no cost	Life Safety Daily Operations	Ongoing
LaMotte-4		LaMotte City Clerk		Local-general funds	\$10,000 to \$50,000	Continue City Operations	Ongoing
LaMotte-5		LaMotte Public Works	Jackson County	N/A	Little or no cost	Life Safety Daily Operations	Ongoing
LaMotte-6		LaMotte Fire Department	Jackson County	Local-general funds, Jackson County grants, FEMA Grants	\$100,000 to \$500,000	Life Safety Daily Operations	2-3 yrs
LaMotte-7	Lack of Funds impact obtaining	LaMotte Fire & Rescue	City Council; FEMA	FEMA grant, USDA, Local-capital fund	\$10,000 to \$50,000	Reduce Property Damage; Life Safety	2-3 yrs
LaMotte-8		LaMotte City Council	Private Developers	FEMA grant, IADNR grant, Local-general or capital funds	\$50,000 to \$100,000	Public Safety	3-5 yrs

Jurisdiction-2024 Action ID	Issue Implementing, Background	Responsible Office In Jurisdiction	Partners - Who would help?	Potential Funding Source(s)	Cost Estimate	Benefits	Timeline (how many yrs to complete?)
LaMotte-9		LaMotte Public Works	Jackson County; IA Department of Transportation (IDOT)	IDOT grant, Road use fund	\$500,000 to \$1,000,000	Reduce Property Damage	3-5 yrs
LaMotte-10		LaMotte City Council	Jackson County EMA	FEMA Grants, Local-general funds, or capital improvement funds	\$10,000 to \$50,000	Public Awareness	More than 5 yrs
LaMotte-11	Funding is designated in our budget annually for replacement of inferior barricades, signs, and cones.	LaMotte Public Works	FEMA	FEMA grants, local-general funds, or road use fund	Less than \$10,000	Public Safety	Ongoing
LaMotte-12		Fire Department	Jackson County EMA, Quad Cities National Weather Service		Little or no cost	Public Safety	Ongoing
LaMotte-13		LaMotte City Clerk	Jackson County EMA		Little or no cost	Public Awareness	Ongoing
LaMotte-14		LaMotte Public Works	LaMotte City Council	FEMA grants, Local-general funds		City Council	3-5 yrs
LaMotte-15		LaMotte Public Works	LaMotte City Council	FEMA grants, Local-general funds	\$10,000 to \$50,000	City Council	Ongoing
LaMotte-16		LaMotte Public Works	IDOT	IDOT grants, Local general funds & Street Road use funds	\$100,000 to \$500,000	Life Safety, Public Safety	Ongoing
LaMotte-17		LaMotte Public Works		N/A	Little or no cost	Better resident understanding of what to do during severe winter events	Ongoing

Jurisdiction-2024 Action ID	Issue Implementing, Background	Responsible Office In Jurisdiction	Partners - Who would help?	Potential Funding Source(s)	Cost Estimate	Benefits	Timeline (how many yrs to complete?)
LaMotte-18		LaMotte Fire Department	Jackson County	Local-general funds	\$100,000-\$500,000	Public Health	Short Term
Maquoketa-1	Cost	Maquoketa City Manager			Little or no cost	Reduce Cost	Ongoing
Maquoketa-2	Limited Administrative Capacity	Maquoketa City Clerk	Jackson County Engineer & Emergency Management Agency (EMA); Maquoketa Fire Department	Local-general funds	\$50,000 to \$100,000	Life Safety Continue City Operations	Ongoing
Maquoketa-3	Funding availability is an obstacle. Expected cost is \$700,000.	Fire Department	State of Iowa; USDA	State Grant, USDA grant, Local-general funds	\$500,000-\$1,000,000	Public Safety	3-5 yrs
Maquoketa-4	Lack of Funds impact obtaining	Public Works	City Council; FEMA; Department of Justice (DOJ)	DOJ grant, FEMA grant, USDA, Local-capital fund	\$10,000 to \$50,000	Reduce Property Damage; Life Safety	3-5 yrs
Maquoketa-5		City Council	Private Developers	FEMA grant, IADNR grant, Local-general or capital funds	\$100,000 to \$500,000	Public Safety	More than 5 yrs
Maquoketa-6	funding availability is difficult	Public Works	Jackson County; IA Department of Transportation (IDOT)	IDOT grant, Road use fund	\$100,000 to \$500,000	Reduce Property Damage; Public Safety	3-5 yrs
Maquoketa-7		Police Department	Jackson County EMA; City Council	FEMA Grants, Local-general funds, or capital improvement funds	\$10,000 to \$50,000	Public Awareness	More than 5 yrs



Jurisdiction-2024 Action ID	Issue Implementing, Background	Responsible Office In Jurisdiction	Partners - Who would help?	Potential Funding Source(s)	Cost Estimate	Benefits	Timeline (how many yrs to complete?)
Maquoketa-8		Public Works	FEMA	FEMA grants, local-general funds, or road use fund	\$10,000 to \$50,000	Public Safety	More than 5 yrs
Maquoketa-9	N/A	Public Works	NWS	City Budget, Grants	Little or no cost	Public Safety	N/A
Maquoketa-10	N/A	Public Works	N/A	City Budget/Grants	\$10,000 to \$50,000	Public Health	N/A
Maquoketa-11		Public Works	Federal EDA	Federal EDA grant, local-general funds	Little or no cost	Public Safety	1 yr
Maquoketa-12		Public Works	State of Iowa; USDA	State of Iowa Levee Improvement Funds or Federal Government Grant	\$10,000 to \$50,000	Public Safety	More than 5 yrs
Maquoketa-13		Public Works	Federal EDA	Federal EDA grant, local-general funds	\$100,000 to \$500,000	Public Safety	2-3 yrs
Maquoketa-14	Administrative capacity is barrier. Also, effective mobilization planning of volunteers is needed.	Public Works	Community	City Budget, Grants	Less than \$10,000	Public Safety	1 yr
Maquoketa-15		Public Works	Federal EDA	Federal EDA grant, local-general funds	\$100,000 to \$500,000	Public Safety	1 yr
Maquoketa-16	Available Financing environment is difficult.	Public Works	Federal Government	Federal Government Grants, USDA grant	\$500,000 to \$1,000,000	Public Works	More than 5 yrs
Maquoketa-17	N/A	Public Works	N/A	City Budget, grants	\$10,000 to \$50,000	Public Safety	1 yr

Jurisdiction-2024 Action ID	Issue Implementing, Background	Responsible Office In Jurisdiction	Partners - Who would help?	Potential Funding Source(s)	Cost Estimate	Benefits	Timeline (how many yrs to complete?)
Maquoketa-18	N/A	Public Works	State of Iowa	State of Iowa/Federal Government Grants-USDA, EDA	Little or no cost	Public Safety/Financial Efficiencies	3-5 yrs
Maquoketa-19	N/A	City Manager	State of Iowa	State of Iowa/Federal Government Grants-USDA, EDA	\$500,000 to \$1,000,000	Public Safety/Financial Efficiencies	3-5 yrs
Maquoketa-20	N/A	Maquoketa Municipal Electric Utility	MMEU	City Budget, Grants, Utility Rates	Little or no cost	Public Safety	2-3 yrs
Maquoketa-21	Administrative availability.	City Manager	Jackson County Sheriff's Office	FEMA	Little or no cost	Public Safety	2-3 yrs
Maquoketa-22		Public Works	Community	City Budget, grants	Little or no cost	Better resident understanding of what to do during severe winter events	2-3 yrs
Maquoketa-23	Relatively new topic. A lot of unknowns at this point. Potential for long term consequences if not managed correctly; Will need to research funding resources to implement plan to minimize impact of CME and EMP events.	Maquoketa Municipal Electric Utility/MVREC	FEMA, IAMU, National Utility Organizations	Local-general funds; Utility funds	\$10,000 - \$50,000	Public Safety, Reduce Property Damage	2-3 yrs
Maquoketa-24	There would be short- and long-term consequences for not acting if there is a CME or EMP event and it	Maquoketa Municipal Electric Utility/MVREC	FEMA, IAMU, National Utility Organizations	Local-general funds; Utility funds, FEMA	\$750,000-\$1,000,000	Public Safety, Reduce Property Damage	3-5 yrs

	could be devastating.						
Jurisdiction-2024 Action ID	Issue Implementing, Background	Responsible Office In Jurisdiction	Partners - Who would help?	Potential Funding Source(s)	Cost Estimate	Benefits	Timeline (how many yrs to complete?)
Maquoketa CSD-1	Develop more hardened areas for student and faculty safety during a tornado or severe weather event	Maquoketa School Board		Grants	\$500,000 to \$1,000,000	Increased student and faculty safety	3-5 yrs
Maquoketa CSD-1		Maquoketa School Board			Little or no cost		
Miles-1	Cost	Miles City Council			Little or no cost	Reduce Cost	Ongoing
Miles-2	Continuity of operations	Miles City Clerk	Jackson County Engineer, Public Health & Emergency Management Agency (EMA); Bellevue Fire and Rescue	Local-general funds	\$50,000 to \$100,000	Life Safety Continue City Operations	Ongoing
Miles-3		Miles City Council	Jackson County EMA & Public Health	N/A	Little or no cost	Life Safety Daily Operations	Ongoing
Miles-4		Miles City Council		Local-general funds	\$10,000 to \$50,000	Continue City Operations	Ongoing
Miles-5		Miles Public Works	Jackson County	N/A	Little or no cost	Life Safety Daily Operations	Ongoing
Miles-6	Lack of Funds impact obtaining	Miles Fire Department	Jackson County	Local-general funds, Jackson County grants, FEMA Grants	\$100,000 to \$500,000	Life Safety Daily Operations	2-3 yrs
Miles-7	Lack of Funds impact obtaining	Miles Fire Department	City Council; FEMA	FEMA grant, USDA, Local-capital fund	\$10,000 to \$50,000	Reduce Property Damage; Life Safety	2-3 yrs
Miles-8	Lack of Funds impact obtaining	Miles City Council	Private Developers	FEMA grant, IADNR grant, Local-	\$50,000 to \$100,000	Public Safety	3-5 yrs

Jurisdiction-2024 Action ID	Issue Implementing, Background	Responsible Office In Jurisdiction	Partners - Who would help?	Potential Funding Source(s)	Cost Estimate	Benefits	Timeline (how many yrs to complete?)
Miles-9	Lack of Funds impact obtaining	Miles Public Works	Jackson County; IA Department of Transportation (IDOT)	IDOT grant, Road use fund	\$500,000 to \$1,000,000	Reduce Property Damage	More than 5 yrs
Miles-10		Miles City Council	Jackson County EMA	FEMA Grants, Local-general funds, or capital improvement funds	\$10,000 to \$50,000	Public Awareness	More than 5 yrs
Miles-11	Funding is designated in our budget annually for replacement of inferior barricades, signs, and cones.	Miles Public Works	FEMA	FEMA grants, local-general funds, or road use fund	Less than \$10,000	Public Safety	Ongoing
Miles-12		Miles Fire Department	Jackson County EMA, Quad Cities National Weather Service		Little or no cost	Public Safety	Ongoing
Miles-13		Miles City Council	Jackson County EMA		Little or no cost	Public Awareness	Ongoing
Miles-14		Miles Public Works	IDOT	IDOT grants, Local general funds & Street Road use funds	\$100,000 to \$500,000	Life Safety, Public Safety	Ongoing
Miles-15		Miles Public Works		N/A	Little or no cost	Better resident understanding of what to do during severe winter events	Ongoing

Jurisdiction-2024 Action ID	Issue Implementing, Background	Responsible Office In Jurisdiction	Partners - Who would help?	Potential Funding Source(s)	Cost Estimate	Benefits	Timeline (how many yrs to complete?)
Monmouth-1	Cost	Monmouth City Council			Little or no cost	Reduce Cost	Ongoing
Monmouth-2	Continuity of operations	Monmouth City Clerk	Jackson County Engineer, Public Health & Emergency Management Agency (EMA); Bellevue Fire and Rescue	Local-general funds	\$50,000 to \$100,000	Life Safety Continue City Operations	Ongoing
Monmouth-3		Monmouth City Council	Jackson County EMA & Public Health	N/A	Little or no cost	Life Safety Daily Operations	Ongoing
Monmouth-4		Monmouth City Council		Local-general funds	\$10,000 to \$50,000	Continue City Operations	Ongoing
Monmouth-5		Monmouth Public Works	Jackson County	N/A	Little or no cost	Life Safety Daily Operations	Ongoing
Monmouth-6	Lack of Funds impact obtaining	Monmouth City Council	Jackson County	Local-general funds, Jackson County grants, FEMA Grants	\$100,000 to \$500,000	Life Safety Daily Operations	2-3 yrs
Monmouth-7	Lack of Funds impact obtaining	Monmouth City Council	City Council; FEMA	FEMA grant, USDA, Local-capital fund	\$10,000 to \$50,000	Reduce Property Damage; Life Safety	2-3 yrs
Monmouth-8	Lack of Funds impact obtaining	Monmouth Public Works	Jackson County; IA Department of Transportation (IDOT)	IDOT grant, Road use fund	\$500,000 to \$1,000,000	Reduce Property Damage	More than 5 yrs
Monmouth-9		Monmouth City Council	Jackson County EMA	FEMA Grants, Local-general funds, or capital improvement funds	\$10,000 to \$50,000	Public Awareness	More than 5 yrs

Jurisdiction-2024 Action ID	Issue Implementing, Background	Responsible Office In Jurisdiction	Partners - Who would help?	Potential Funding Source(s)	Cost Estimate	Benefits	Timeline (how many yrs to complete?)
Monmouth-10		Monmouth City Council	Jackson County EMA, FEMA	FEMA grants, local-general funds, or road use fund	Less than \$10,000	Public Safety	< 1 yr
Monmouth-11		Monmouth Public Works	Jackson County EMA, Quad Cities National Weather Service		Little or no cost	Public Safety	Ongoing
Monmouth-12		Monmouth Public Works	Jackson County EMA, Quad Cities National Weather Service		Little or no cost	Public Safety	Ongoing
Monmouth-13		Monmouth City Council	Jackson County EMA		Little or no cost	Public Awareness	Ongoing
Preston-1	Continuity of operations	Preston City Administration	Jackson County Engineer, Public Health & Emergency Management Agency (EMA); Bellevue Fire and Rescue	Local-general funds	\$50,000 to \$100,000	Life Safety Continue City Operations	Ongoing
Preston-2	City software is backed up from on off-site source.	Preston City Council		Local-general funds	\$10,000 to \$50,000	Continue City Operations	Ongoing
Preston-3	Educate community through publications and social media.	Preston City Administration	Jackson County	N/A	Little or no cost	Life Safety Daily Operations	Ongoing
Preston-4	Lack of Funds impact obtaining	Preston Fire Department	Jackson County	Local-general funds, Jackson County grants, FEMA Grants	\$100,000 to \$500,000	Life Safety Daily Operations	2-3 yrs
Preston-5	Lack of Funds impact obtaining	Preston City Council	Private Developers	FEMA grant, IADNR grant, Local-general or	\$50,000 to \$100,000	Public Safety	3-5 yrs

Jurisdiction-2024 Action ID	Issue Implementing, Background	Responsible Office In Jurisdiction	Partners - Who would help?	Potential Funding Source(s)	Cost Estimate	Benefits	Timeline (how many yrs to complete?)
Preston-6		Preston City Council	IDOT	IDOT grants, Local general funds & Street Road use funds	\$100,000 to \$500,000	Life Safety, Public Safety	Ongoing
Preston-7		Preston City Council	Jackson County EMA	n/a	Little or no cost	Public Awareness	Ongoing
Preston-8		Preston City Clerk	Jackson County EMA & Public Health		Little or no cost	Life Safety	Ongoing
Preston-9	Relatively new topic. A lot of unknowns at this point. Potential for long term consequences if not managed correctly; Will need to research funding resources to implement plan to minimize impact of CME and EMP events.	Preston Municipal Utilities	FEMA, IAMU, National Utility Organizations	Local-general funds; Utility funds	\$10,000 - \$50,000	Public Safety, Reduce Property Damage	2-3 yrs
Preston-10	There would be short- and long-term consequences for not acting if there is a CME or EMP event and it could be devastating.	Preston Municipal Utilities	FEMA, IAMU, National Utility Organizations	Local-general funds; Utility funds, FEMA	\$750,000-\$1,000,000	Public Safety, Reduce Property Damage	3-5 yrs
Preston CSD-1	Develop more hardened areas for student and faculty safety during a tornado or severe weather event	Preston School Board			\$500,000 to \$1,000,000	Increased student and faculty safety	3-5 yrs
Preston CSD-2		Preston School Board			Little or no cost	Life Safety	

Jurisdiction-2024 Action ID	Issue Implementing, Background	Responsible Office In Jurisdiction	Partners - Who would help?	Potential Funding Source(s)	Cost Estimate	Benefits	Timeline (how many yrs to complete?)
Sabula-1	Cost	Sabula City Clerk	FEMA	No cost	Little or no cost	Reduce Cost	1-3 yrs
Sabula-2	Continuity of operations	Sabula City Clerk	Jackson County Engineer, Public Health & Emergency Management Agency (EMA); Sabula Fire Department	Local-general funds	\$50,000 to \$100,000	Life Safety Continue City Operations	3-5 yrs
Sabula-3	Community preparedness and warning	Sabula Fire Department & Public Works	Corps Community	No cost	Little or no cost	Continuity of Operations	< 1 yr
Sabula-4		Sabula City Clerk		Local-general funds	\$10,000 to \$50,000	Continue City Operations	< 1 yr
Sabula-5	response/operations	Sabula Public Works	Sabula Mayor, Jackson County	No cost	Little or no cost	Life Safety Daily Operations	< 1 yr
Sabula-6	response/operations	Sabula Fire Department	Jackson County	Local-general funds, Jackson County grants, USDA grants, FEMA Grants	\$100,000 to \$500,000	Life Safety Daily Operations	3-5 yrs
Sabula-7	Cost is a barrier to obtaining	Utilities	Sabula Fire Department, Jackson County	Local-general funds, Jackson County grants, FEMA Grants	Less than \$10,000	Life Safety Daily Operations	3-5 yrs
Sabula-8	Lack of Funds impact obtaining	Sabula City Council	Jackson County; IA Department of Transportation (IDOT)	IDOT grant, Road use fund	\$50,000 to \$100,000	Reduce Property Damage	3-5 yrs
Sabula-9	Lack of Funds impact obtaining	Sabula City Council	Jackson County; IA Department of Transportation (IDOT)	IDOT grant, Road use fund	\$500,000 to \$1,000,000	Reduce Property Damage	2-3 yrs



Jurisdiction-2024 Action ID	Issue Implementing, Background	Responsible Office In Jurisdiction	Partners - Who would help?	Potential Funding Source(s)	Cost Estimate	Benefits	Timeline (how many yrs to complete?)
Sabula-10	Cost	Sabula Fire Department & Public Works	Jackson County EMA	FEMA Grants, Local-general funds, or capital improvement funds	\$10,000 to \$50,000	Public Awareness	2-3 yrs
Sabula-11		Sabula City Council	Jackson County EMA	FEMA Grants, Local-general funds, or capital improvement funds	Little or no cost	Public Awareness	2-3 yrs
Sabula-12		Sabula Fire Department	Jackson County EMA, FEMA		Little or no cost	Public Safety	< 1 yr
Sabula-13		Sabula City Utilities	Jackson County EMA, Quad Cities National Weather Service		Little or no cost	Public Safety	< 1 yr
Sabula-14		Sabula City Utilities	Police	Local-General Funds	\$10,000 to \$50,000	Life Safety / Evacuation	< 1 yr
Sabula-15	public safety	Sabula City Utilities	Corps	EDA Grant, USDA Grant, FEMA grant, Local-general funds	\$10,000 to \$50,000	Reduced damage to infrastructure	3-5 yrs
Sabula-16	cost restrictive	Sabula City Council	Corps	FEMA grant, IEDA CDBG grant, local-general Funds	\$100,000 to \$500,000	Infrastructure Protection	2-3 yrs
Sabula-17	Continuity of operations	Sabula City Council	Utility Board		Little or no cost	Infrastructure Protection	2-3 yrs
Sabula-18	Continuity of operations	Sabula City Utilities	Alliant Energy		Little or no cost	Life safety	1 yr

Jurisdiction-2024 Action ID	Issue Implementing, Background	Responsible Office In Jurisdiction	Partners - Who would help?	Potential Funding Source(s)	Cost Estimate	Benefits	Timeline (how many yrs to complete?)
Sabula-19	tree trimming cost	Sabula City Utilities	Private Company	City Local-general funds	\$10,000 to \$50,000	Life safety	1 yr
Sabula-20		Sabula Public Works			Little or no cost	Better resident understanding of what to do during severe winter events	< 1 yr
Spragueville-1	Cost	Spragueville City Council	FEMA	No cost	Little or no cost	Reduce Cost	< 1 yr
Spragueville-2	Continuity of operations	Spragueville City Clerk	Jackson County Engineer, Public Health & Emergency Management Agency (EMA); Fire Department	Local-general funds	\$50,000 to \$100,000	Life Safety Continue City Operations	3-5 yrs
Spragueville-3	Community preparedness and warning	Spragueville Fire Department	Corps Community	No cost	Little or no cost	Continuity of Operations	< 1 yr
Spragueville-4	Time and update of software/storage	Spragueville City Clerk		Local-general funds	\$10,000 to \$50,000	Continue City Operations	1 yr
Spragueville-5		Spragueville Public Works	Jackson County	No cost	Little or no cost	Life Safety Daily Operations	1 yr
Spragueville-6	finding sufficient funding sources is a challenge	Spragueville City Council	Jackson County; Fire Department	Local-general funds, Jackson County grants, USDA grants, FEMA Grants	\$100,000 to \$500,000	Life Safety Daily Operations	3-5 yrs
Spragueville-7	Securing funds to pay for is a barrier to obtaining	Spragueville City Council	Fire Department, Jackson County	Local-general funds, Jackson County grants, FEMA Grants	Less than \$10,000	Life Safety Daily Operations	2-3 yrs

Jurisdiction-2024 Action ID	Issue Implementing, Background	Responsible Office In Jurisdiction	Partners - Who would help?	Potential Funding Source(s)	Cost Estimate	Benefits	Timeline (how many yrs to complete?)
Spragueville-8	Securing funds to pay for is a barrier to obtaining	Spragueville City Council	Jackson County, FEMA	Local-general funds, Jackson County grants, FEMA Grants	\$50,000 to \$100,000	Reduce Property Damage	3-5 yrs
Spragueville-9	Securing funds to pay for is a barrier to obtaining	Spragueville City Council	Jackson County; IA Department of Transportation (IDOT)	IDOT grant, Road use fund	\$500,000 to \$1,000,000	Reduce Property Damage	3-5 yrs
Spragueville-10	Cost	Fire Department & Public Works	Jackson County EMA	FEMA Grants, Local-general funds, or capital improvement funds	\$10,000 to \$50,000	Public Awareness	2-3 yrs
Spragueville-11		Spragueville City Council	Jackson County EMA	FEMA Grants, Local-general funds, or capital improvement funds	Little or no cost	Public Awareness	< 1 yr
Spragueville-12	Finding responsible individuals with time to take the training	Fire Department	Jackson County EMA, FEMA		Little or no cost	Public Safety	< 1 yr
Spragueville-13		City PSA	Jackson County EMA, Quad Cities National Weather Service, Spragueville City Clerk		Little or no cost	Public Safety	< 1 yr
Spragueville-14		Public Works	Spragueville City Clerk		Little or no cost	Public Safety	< 1 yr
Spragueville-15	Life Safety	Public Works	City Council	FEMA Grants, Local-general funds	\$100,000 to \$500,000	Life Safety	More than 5 yrs

Jurisdiction-2024 Action ID	Issue Implementing, Background	Responsible Office In Jurisdiction	Partners - Who would help?	Potential Funding Source(s)	Cost Estimate	Benefits	Timeline (how many yrs to complete?)
Springbrook-1	Community preparedness and warning	Springbrook Fire Department	Jackson County EMA, Springbrook City Council	No cost	Little or no cost	Continuity of Operations	< 1 yr
Springbrook-2	city clerk has backups	Springbrook City Clerk			\$10,000 to \$50,000	Continuity of operations	< 1 yr
Springbrook-3		Springbrook City Council		No cost	Little or no cost	Life Safety Daily Operations	1 yr
Springbrook-4		Springbrook Fire Department	FEMA	Local-general funds, Jackson County grants, USDA grants, FEMA Grants	\$100,000 to \$500,000	Life Safety	2-3 yrs
Springbrook-5	Life Safety	Springbrook City Council		Unknown	\$50,000 to \$100,000		Ongoing
Springbrook-6	Cost has been prohibitive. Sewer and water would have to be relocated along the main street	Springbrook City Council	IEDA, Jackson County, IDOT, FEMA	IEDA CDBG Grant, EDA Grant, FEMA Grant, Local-capital improvement fund	More Than \$1,000,000	Life Safety / Infrastructure Protection	2-3 yrs
Springbrook-7	System working fine at this time	Springbrook City Council			\$10,000 to \$50,000	Life Safety	Ongoing
Springbrook-8	As needed, these are acquired	Public Works		Local-general funds, FEMA grants	Less than \$10,000	Life Safety	< 1 yr
Springbrook-9		Fire Department	Jackson County EMA		Little or no cost	Life Safety	Ongoing
Springbrook-10		City PSA	Jackson County EMA		Little or no cost	Life Safety Community Awareness	Ongoing
Springbrook-11		Public Works	Jackson County EMA, FEMA	FEMA Grant, Local-general funds	\$10,000 to \$50,000	Life Safety /Health	<1 yr

Jurisdiction-2024 Action ID	Issue Implementing, Background	Responsible Office In Jurisdiction	Partners - Who would help?	Potential Funding Source(s)	Cost Estimate	Benefits	Timeline (how many yrs to complete?)
Springbrook-12		Fire Department	Public Works, Alliant Energy		Little or no cost	Public Health	Ongoing
Springbrook-13	City posts snow removal and parking on city board	Public Works		City Local-General Funds	Little or no cost	Better resident understanding of what to do during severe winter events	Ongoing
St. Donatus-1	Cost	St. Donatus City Clerk			Little or no cost	Reduce Cost	Ongoing
St. Donatus-2	Continuity of operations	St. Donatus City Clerk	Jackson County Engineer, Public Health & Emergency Management Agency (EMA); Fire Department	Local-general funds	\$10,000 to \$50,000	Life Safety Continue City Operations	3-5 yrs
St. Donatus-3	Community preparedness and warning	St. Donatus Mayor	St. Donatus City Clerk	No cost	Little or no cost	Continuity of Operations	< 1 yr
St. Donatus-4	City is process of hiring new clerk and updating computers	St. Donatus City Clerk		City-Local general funds	\$10,000 to \$50,000	Continuity of operations	< 1 yr
St. Donatus-5		St. Donatus Public Works		No cost	Little or no cost	Life Safety Daily Operations	1 yr
St. Donatus-6	Securing funds to pay for is a barrier to obtaining	St. Donatus Public Works	Bellevue Fire Department, Jackson County	Local-general funds, Jackson County grants, FEMA Grants	Less than \$10,000	Life Safety Daily Operations	2-3 yrs
St. Donatus-7		St. Donatus City Council	IEDA, Jackson County, IDOT, FEMA	IEDA CDBG Grant, EDA Grant, FEMA Grant, Local-capital	\$500,000 to \$1,000,000	Life Safety Infrastructure Protection	2-3 yrs

Jurisdiction-2024 Action ID	Issue Implementing, Background	Responsible Office In Jurisdiction	Partners - Who would help?	improvement fund Potential Funding Source(s)	Cost Estimate	Benefits	Timeline (how many yrs to complete?)
St. Donatus-8	County maintains website to educate public on hazardous weather conditions	St. Donatus City Council, Public works	Jackson County EMA		Little or no cost	Public Awareness	Ongoing
St. Donatus-9	City posts snow removal and parking on city board	St. Donatus Public Works		City Local-General Funds	Little or no cost	Better resident understanding of what to do during severe winter events	Ongoing
St. Donatus-10		St. Donatus Public Works	St. Donatus City Council	IEDA-CDBG grant, City-Capital Improvement Funds	\$100,000 to \$500,000	Response /operations	2-3 yrs
St. Donatus-11		St. Donatus Public Works	St. Donatus City Council	City Local-General Funds	\$100,000 to \$500,000	Life Safety /Health	2-3 yrs
Unincorporated -1	Cost	Jackson County EMA & Zoning			Little or no cost	Reduce Cost	Ongoing
Unincorporated -2		Jackson County Board of Supervisors (BOS)	City Jurisdictions		Little or no cost	Life Safety Daily Operations	Ongoing
Unincorporated -3		Jackson County EMA & BOS	Public Works	FEMA grant, General-local funds	\$10,000 to \$50,000	Continuity of Operations	Ongoing
Unincorporated -4		BOS & Public Works	Jackson County Zoning	FEMA grant, General-local funds	\$50,000 to \$100,000	Life Safety	3-5 yrs
Unincorporated -5	Jackson County has a minimal flood impact on structures. Review impact of flooding annually	BOS & Secondary Roads	Public Works	IDOT grant, Road use fund	\$500,000 to \$1,000,000	Reduce Property Damage	3-5 yrs

Jurisdiction-2024 Action ID	Issue Implementing, Background	Responsible Office In Jurisdiction	Partners - Who would help?	Potential Funding Source(s)	Cost Estimate	Benefits	Timeline (how many yrs to complete?)
Unincorporated -6	Review of systems is ongoing due to age of systems; will be replaced as needed	Jackson County EMA	Jackson County Conservation Board	FEMA Grants, Local-general funds, or road use fund	\$10,000 to \$50,000	Public Awareness	1 yr
Unincorporated -7	replace, purchase as needed	Secondary Roads	BOS	FEMA grants, local-general funds, or road use fund	Less than \$10,000	Public Safety	Ongoing
Unincorporated -8	Jackson County host annual training	Jackson County EMA	Quad Cities National Weather Service		Little or no cost	Public Safety	Ongoing
Unincorporated -9	County maintains website to educate public on hazardous weather conditions	Jackson County EMA	BOS		Little or no cost	Public Awareness	Ongoing
Unincorporated -10	During extreme winter weather in 2018, communities throughout Jackson County enacted long-dormant ordinances relating to snow in the community; these ordinances had not been enacted in a while, and citizens were very confused about what they meant and what they were supposed to do in response. This mitigation action does not implement the ordinances without cause, but encourages communities to be more liberal to	Public Works			Little or no cost	Public Awareness	Ongoing

	ensure that citizens know what to do during major winter weather events						
Jurisdiction-2024 Action ID	Issue Implementing, Background	Responsible Office In Jurisdiction	Partners - Who would help?	Potential Funding Source(s)	Cost Estimate	Benefits	Timeline (how many yrs to complete?)
Unincorporated -11		Jackson County EMA	Jackson County Public Health		Little or no cost	Life safety	Ongoing
Unincorporated -12	Relatively new topic. A lot of unknowns at this point. Potential for long term consequences if not managed correctly; Will need to research funding resources to implement plan to minimize impact of CME and EMP events.	MVREC, Alliant	FEMA, IAMU, National Utility Organizations	Local-general funds; Utility funds	\$10,000 - \$50,000	Public Safety, Reduce Property Damage	2-3 yrs
Unincorporated -13	There would be short- and long-term consequences for not acting if there is a CME or EMP event and it could be devastating.	MVREC, Alliant	FEMA, IAMU, National Utility Organizations	Local-general funds; Utility funds, FEMA	\$750,000-\$1,000,000	Public Safety, Reduce Property Damage	3-5 yrs



**Table 4.5. Action Prioritization**

Jurisdiction-2024 Action ID	Mitigation Action Title / Description	Lives Saved?	Reduced Property Damages?	Reduce need for response actions?	Will benefits exceed cost?	Social	Technical	Administrative	Political	Legal	Economic	Environment	Score	Priority
		0-unlikely, 1-maybe, 2-probably, or 3-definitely				Positive (1) Neutral (0) Negative (-1)								
Andrew-1	Identify and assist county in tracking critical facilities and vulnerable populations to improve responding to emergencies.	2	0	0	2	1	1	1	1	1	1	1	11	M
Andrew-2	Maintain call down list of all critical personnel.	2	0	0	2	1	1	1	1	1	1	1	11	M
Andrew-3	Maintain procedure to backup all critical data to prevent loss in the event of hazard.	0	0	2	3	1	1	1	1	1	1	1	12	M
Andrew-4	Continue to maintain and enforce snow removal policies.	1	0	0	2	1	1	1	1	1	1	1	10	M
Andrew-5	Provide backup power generators and wiring for critical facilities.	2	0	2	3	1	0	1	1	1	-1	1	11	M
Andrew-6	Consider building a tornado safe room for all new construction and rehabilitation projects.	3	0	3	3	1	0	0	0	0	-1	1	10	M
Andrew-7	Purchase or elevate structures, add lift stations, increase/reinforce culvert size, and add curb and gutter to streets in areas	1	2	1	2	1	0	-1	0	1	0	0	7	M
Andrew-8	Continue to improve public awareness of hazardous weather through newsletters, public notices, strolling signs, etc.	2	0	1	2	1	1	1	1	1	1	1	12	M

Jurisdiction-2024 Action ID	Mitigation Action Title / Description	Lives Saved?	Reduced Property Damages?	Reduce need for response actions?	Will benefits exceed cost?	Social	Technical	Administrative	Political	Legal	Economic	Environment	Score	Priority
		0-unlikely, 1-maybe, 2-probably, or 3-definitely				Positive (1) Neutral (0) Negative (-1)								
Andrew-9	Review and implement community snow policies and implement during smaller storms as appropriate so citizens are familiar with rules and regulations	2	1	3	3	1	1	1	1	1	1	0	15	H
Andrew-10	Continue to maintain existing outdoor warning siren systems and ensure appropriate coverage for population or ensure NOAA weather radios are available in uncovered areas.	3	0	1	2	1	1	1	1	1	1	1	13	H
Andrew-11	Install alarms on well & lift station	2	2	2	2	1	1	0	1	1	0	1	13	H
ACSD-1	Pursue the addition of a severe weather shelter/tornado saferoom in all new construction	3	0	1	3	1	1	1	1	1	1	0	13	H
Baldwin-1	Review and implement community snow policies and implement during smaller storms as appropriate so citizens are familiar with rules and regulations	2	1	3	3	1	1	1	1	1	1	0	15	H
Baldwin-2	Identify and assist county in tracking critical facilities and vulnerable populations to improve responding to emergencies.	2	0	0	2	1	1	1	1	1	1	1	11	M

Jurisdiction-2024 Action ID	Mitigation Action Title / Description	Lives Saved?	Reduced Property Damages?	Reduce need for response actions?	Will benefits exceed cost?	Social	Technical	Administrative	Political	Legal	Economic	Environment	Score	Priority
		0-unlikely, 1-maybe, 2-probably, or 3-definitely				Positive (1) Neutral (0) Negative (-1)								
Baldwin-3	Create call down list of all critical personnel.	2	0	0	2	1	1	1	1	1	1	1	11	M
Baldwin-4	Maintain procedure to backup all critical data to prevent loss in the event of hazard.	0	0	2	3	1	1	1	1	1	1	1	12	M
Baldwin-5	Continue to maintain and enforce snow removal policies.	1	0	1	2	1	1	1	1	1	1	0	10	M
Baldwin-6	Provide backup power generators and wiring for critical facilities.	2	0	2	3	1	0	1	1	1	-1	1	11	M
Baldwin-7	Consider building a tornado safe room for all new construction and rehabilitation projects.	2	0	3	3	1	0	0	0	0	-1	1	9	M
Baldwin-8	Purchase or elevate structures, add lift stations, increase/reinforce culvert size, and add curb and gutter to streets in areas in flood zones with severe and repetitive flood damage to prevent reoccurrence.	1	3	1	2	1	0	-1	1	0	0	0	8	M
Baldwin-9	Continue to maintain existing outdoor warning siren systems and ensure appropriate coverage for population or ensure NOAA weather radios are available in uncovered areas.	2	0	2	3	1	1	1	1	1	1	1	14	H
Baldwin-10	Purchase barricades and signage as deemed necessary to better	1	0	1	2	1	1	1	1	1	0	1	10	M

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		0-unlikely, 1-maybe, 2-probably, or 3-definitely				Positive (1) Neutral (0) Negative (-1)								
Baldwin-11	Train personnel as weather spotters.	1	0	2	2	1	1	1	1	1	1	1	12	M
Baldwin-12	Continue to improve public awareness of hazardous weather through newsletters, public notices, strolling signs, etc.	2	0	1	2	1	1	1	1	1	1	1	12	M
Baldwin-13	Update and maintain flood plain ordinance as necessary.	1	1	0	1	1	1	1	1	1	1	1	10	M
Baldwin-14	Continue to maintain and make improvements to the sanitary sewer system to reduce infiltration, including such projects as the installation of bolt down covers on manholes in the floodplain areas and inspections of lift stations seals, etc. in the flood plain.	0	1	1	2	1	0	0	1	1	-1	1	7	M
Bellevue-1	Maintain NFIP membership and meet all program requirements.	0	2	0	2	1	1	1	1	1	1	1	11	M
Bellevue-2	Identify and assist county in tracking critical facilities and vulnerable populations to improve responding to emergencies.	1	0	0	2	1	1	1	1	1	0	1	9	M
Bellevue-3	Maintain and enforce snow removal policies.	1	1	0	2	1	1	1	1	1	1	0	10	M
Bellevue-4	Update fire and rescue equipment as needed to better respond to emergencies.	2	0	0	3	1	1	1	1	1	-1	1	10	M

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		0-unlikely, 1-maybe, 2-probably, or 3-definitely				Positive (1) Neutral (0) Negative (-1)								
Bellevue-5	Provide backup power generators and wiring for critical facilities.	2	0	2	3	1	0	1	1	1	-1	1	11	M
Bellevue-6	Consider building a tornado safe room for all new construction and rehabilitation projects.	2	0	3	3	1	0	0	0	0	-1	1	9	M
Bellevue-7	Purchase or elevate structures, add lift stations, increase/reinforce culvert size, and add curb and gutter to streets in areas in flood zones with severe and repetitive flood damage to prevent reoccurrence.	1	2	1	2	1	0	-1	0	1	0	0	7	M
Bellevue-8	Continue to maintain existing outdoor warning siren systems and ensure appropriate coverage for population or ensure NOAA weather radios are available in uncovered areas.	2	0	2	3	1	1	-1	1	0	1	1	11	M
Bellevue-9	Purchase barricades and signage as deemed necessary to better communicate information.	1	0	1	2	1	1	1	1	1	0	1	10	M
Bellevue-10	Train personnel as weather spotters.	1	0	2	2	1	1	1	1	1	1	1	12	M
Bellevue-11	Continue to improve public awareness of hazardous weather through newsletters, public notices, strolling signs, etc.	2	0	1	2	1	1	1	1	1	1	1	12	M

Jurisdiction-2024 Action ID	Mitigation Action Title / Description	Lives Saved?	Reduced Property Damages?	Reduce need for response actions?	Will benefits exceed cost?	Social	Technical	Administrative	Political	Legal	Economic	Environment	Score	Priority
		0-unlikely, 1-maybe, 2-probably, or 3-definitely				Positive (1) Neutral (0) Negative (-1)								
Bellevue-12	Continue to assist county in maintaining a list of people on oxygen in the event of a power outage.	2	0	1	2	1	1	1	1	1	1	1	12	M
Bellevue-13	Construct infrastructure for access from one side of the city to the other when railroads are blocking all access.	2	0	1	1	1	-1	0	1	0	-1	1	5	L
Bellevue-14	Explore possibility of working with manufactured home park owner south of town to build a community safe room.	2	0	1	2	1	1	1	1	1	1	1	12	M
Bellevue-15	Continue to monitor effectiveness of FEMA recommended water sump pumps for homes that have repeated backup in basements. And continue to offer \$500 rebates from municipal utilities for back flow preventers	0	2	0	1	1	1	0	1	1	0	1	8	M
Bellevue-16	Update snow and ice equipment as needed to better respond to snow and ice events.	2	1	0	3	1	1	1	1	1	-1	1	11	M
Bellevue-17	Review and implement community snow policies and implement during smaller storms as appropriate so citizens are familiar with rules and regulations	2	1	3	3	1	1	1	1	1	1	0	15	H

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		0-unlikely, 1-maybe, 2-probably, or 3-definitely				Positive (1) Neutral (0) Negative (-1)								
Bellevue-18	Replace and enlarge the culvert on Highway 62 between 10th and State Street	0	2	2	1	1	1	0	1	1	0	1	10	M
Bellevue-19	Research and educate community on potential critical infrastructure issues, options and developing a plan to address potential CME & EMP events	1	3	0	3	1	1	1	1	1	1	1	14	H
Bellevue-20	Implement plan, train personnel and purchase required equipment to minimize impact of CMP and EMP events	1	3	0	3	1	1	1	1	1	1	1	14	H
BCSD-1	Develop policy to prevent construction in the floodplain of education buildings or supporting structures (such as bus barns or maintenance sheds).	2	2	3	3	1	1	1	1	1	1	1	17	H
LaMotte-1	Maintain NFIP membership and meet all program requirements.	0	2	0	2	1	1	1	1	1	1	1	11	M
LaMotte-2	Identify and assist county in tracking critical facilities and vulnerable populations to improve responding to emergencies.	1	0	0	2	1	1	1	1	1	0	1	9	M
LaMotte-3	Maintain call down list of all critical personnel.	2	0	0	2	1	1	1	1	1	1	1	11	M
LaMotte-4	Maintain procedure to backup all critical data to prevent loss in the event of hazard.	0	0	2	3	1	1	1	1	1	1	1	12	M

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		0-unlikely, 1-maybe, 2-probably, or 3-definitely				Positive (1) Neutral (0) Negative (-1)								
LaMotte-5	Continue to maintain and enforce snow removal policies.	1	0	0	2	1	1	1	1	1	1	0	9	M
LaMotte-6	Update fire and rescue equipment as needed to better respond to emergencies.	2	1	0	1	1	1	1	1	1	-1	1	9	M
LaMotte-7	Provide backup power generators and wiring for critical facilities.	2	0	2	3	1	0	1	1	1	-1	1	11	M
LaMotte-8	Consider building a tornado safe room for all new construction and rehabilitation projects.	2	0	3	3	1	0	0	0	0	-1	1	9	M
LaMotte-9	Purchase or elevate structures, add lift stations, increase/reinforce culvert size, and add curb and gutter to streets in areas in flood zones with severe and repetitive flood damage to prevent reoccurrence.	1	2	1	2	1	0	-1	0	0	0	0	6	L
LaMotte-10	Continue to maintain existing outdoor warning siren systems and ensure appropriate coverage for population or ensure NOAA weather radios are available in uncovered areas.	2	0	2	3	1	1	-1	1	0	1	1	11	M
LaMotte-11	Purchase barricades and signage as deemed necessary to better communicate information.	2	0	1	1	1	1	1	1	1	0	1	10	M
LaMotte-12	Train personnel as weather spotters.	1	0	2	2	1	1	1	1	1	1	1	12	M



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		0-unlikely, 1-maybe, 2-probably, or 3-definitely				Positive (1) Neutral (0) Negative (-1)								
LaMotte-13	Continue to improve public awareness of hazardous weather through newsletters, public notices, strolling signs, etc.	2	0	1	2	1	1	1	1	1	1	1	12	M
LaMotte-14	Build second water well in case of failure of first one.	2	0	1	2	1	1	1	1	1	-1	1	10	M
LaMotte-15	Maintain backup generator and hookup for Wastewater lift stations.	0	0	1	2	1	1	1	1	1	-1	1	8	M
LaMotte-16	Update snow and ice equipment as needed to better respond to snow and ice events.	2	1	0	1	1	1	1	1	1	-1	1	9	M
LaMotte-17	Review and implement community snow policies and implement during smaller storms as appropriate so citizens are familiar with rules and regulations	2	1	3	3	1	1	1	1	1	1	0	15	H
LaMotte-18	Standpipes for water tower in case of tornadoes or high winds.	1	1	2	2	1	0	1	1	1	-1	1	10	M
Maquoketa-1	Maintain NFIP membership and meet all program requirements.	0	2	0	2	1	1	1	1	1	1	1	11	M
Maquoketa-2	Identify and assist county in tracking critical facilities and vulnerable populations to improve responding to emergencies.	1	0	0	2	1	1	1	1	1	0	1	9	M

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		0-unlikely, 1-maybe, 2-probably, or 3-definitely				Positive (1) Neutral (0) Negative (-1)								
Maquoketa-3	Update fire and rescue equipment as needed to better respond to emergencies.	2	0	0	3	1	1	1	1	1	-1	1	10	M
Maquoketa-4	Provide backup power generators and wiring for critical facilities.	2	0	2	3	1	0	1	1	1	-1	1	11	M
Maquoketa-5	Consider building a tornado safe room for all new construction and rehabilitation projects.	2	0	3	3	1	0	0	0	0	-1	1	9	M
Maquoketa-6	Purchase or elevate structures, add lift stations, increase/reinforce culvert size, and add curb and gutter to streets in areas in flood zones with severe and repetitive flood damage to prevent reoccurrence.	1	2	1	2	1	0	-1	0	1	0	0	7	M
Maquoketa-7	Continue to maintain existing outdoor warning siren systems and ensure appropriate coverage for population or ensure NOAA weather radios are available in uncovered areas.	2	0	2	3	1	1	-1	1	0	1	1	11	M
Maquoketa-8	Purchase barricades and signage as deemed necessary to better communicate information.	1	0	1	2	1	1	1	1	1	0	1	10	M
Maquoketa-9	Continue to improve public awareness of hazardous weather through newsletters,	2	0	1	2	1	1	1	1	1	1	1	12	M

	public notices, strolling signs, etc.														
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		0-unlikely, 1-maybe, 2-probably, or 3-definitely				Positive (1) Neutral (0) Negative (-1)									
Maquoketa-10	Place valve for reservoir to help 'close' it off so flood water cannot get into it through the overflow. (Need would be reduced if levee were raised.)	1	1	2	2	1	1	1	1	1	-1	1	11	M	
Maquoketa-11	Explore options to move utilities located on the dike area.	0	2	2	3	0	-1	-1	1	1	-1	1	7	M	
Maquoketa-12	Create a 'borrow' pit for clay or other materials to build a berm. (Wouldn't need if levee was raised.)	1	1	2	2	1	1	1	1	1	-1	1	11	M	
Maquoketa-13	Acquire two 10-inch trash pumps to help in flood fights.	1	1	0	2	1	1	1	1	1	-1	1	9	M	
Maquoketa-14	Complete an official survey of area to determine where lowest areas are to know where to sandbag first in the event of rising waters and based on this information, install river level flood gauge in the Maquoketa River north of the City to provide advance warning of flooding.	2	2	1	3	1	1	1	1	1	-1	1	13	H	
Maquoketa-15	Install floodgate for 60" storm water main.	1	2	2	3	1	1	1	1	1	-1	1	13	H	
Maquoketa-16	Relocate public works plant to higher ground.	0	2	2	3	1	-1	1	1	1	-1	1	10	M	
Maquoketa-17	Consider permanently raising levee.	2	2	2	3	1	0	1	1	1	-1	1	13	H	

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		0-unlikely, 1-maybe, 2-probably, or 3-definitely				Positive (1) Neutral (0) Negative (-1)								
Maquoketa-18	Continue maintenance and observation/ inspection of levee.	2	2	2	3	1	1	1	1	1	1	1	16	H
Maquoketa-19	Explore public levee accreditation.	0	0	0	2	1	1	1	1	1	-1	1	7	M
Maquoketa-20	Adopt plan for Maquoketa Municipal Electric Utility (MMEU) to recover from power loss or down power lines.	1	1	2	2	1	1	1	1	1	1	1	13	H
Maquoketa-21	Review, develop, and revise evacuation plans with local fire and police departments.	2	0	2	3	1	1	1	1	1	1	1	14	H
Maquoketa-22	Review and implement community snow policies and implement during smaller storms as appropriate so citizens are familiar with rules and regulations	2	1	3	3	1	1	1	1	1	1	0	15	H
Maquoketa-23	Research and educate community on potential critical infrastructure issues, options and developing a plan to address potential CME & EMP events	1	3	0	3	1	1	1	1	1	1	1	14	H
Maquoketa-24	Implement plan, train personnel and purchase required equipment to minimize impact of CMP and EMP events	1	3	0	3	1	1	1	1	1	1	1	14	H
MCS-1	Pursue the addition of a severe weather shelter/tornado saferoom in all new construction	3	1	1	3	1	1	1	1	1	1	0	14	H

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		0-unlikely, 1-maybe, 2-probably, or 3-definitely				Positive (1) Neutral (0) Negative (-1)								
MCSD-2	Develop policy to prevent construction in the floodplain of education buildings or supporting structures (such as bus barns or maintenance sheds).	2	2	3	3	1	1	1	1	1	1	1	17	H
Miles-1	Maintain NFIP membership and meet all program requirements.	0	2	0	2	1	1	1	1	1	1	1	11	M
Miles-2	Identify and assist county in tracking critical facilities and vulnerable populations to improve responding to emergencies.	1	0	0	2	1	1	1	1	1	0	1	9	M
Miles-3	Maintain call down list of all critical personnel.	2	0	0	2	1	1	1	1	1	1	1	11	M
Miles-4	Maintain procedure to backup all critical data to prevent loss in the event of hazard.	0	0	2	3	1	1	1	1	1	1	1	12	M
Miles-5	Continue to maintain and enforce snow removal policies.	1	0	0	2	1	1	1	1	1	1	0	9	M
Miles-6	Update fire and rescue equipment as needed to better respond to emergencies.	2	0	0	3	1	1	1	1	1	-1	1	10	M
Miles-7	Provide backup power generators and wiring for critical facilities.	2	0	2	3	1	0	1	1	1	-1	1	11	M
Miles-8	Consider building a tornado safe room for all new construction and rehabilitation projects.	2	0	3	3	1	0	0	0	0	-1	1	9	M

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		0-unlikely, 1-maybe, 2-probably, or 3-definitely				Positive (1) Neutral (0) Negative (-1)								
Miles-9	Purchase or elevate structures, add lift stations, increase/reinforce culvert size, and add curb and gutter to streets in areas in flood zones with severe and repetitive flood damage to prevent reoccurrence.	1	2	1	2	1	0	-1	0	0	0	0	6	L
Miles-10	Continue to maintain existing outdoor warning siren systems and ensure appropriate coverage for population or ensure NOAA weather radios are available in uncovered areas.	2	0	2	3	1	1	-1	1	0	1	1	11	M
Miles-11	Purchase barricades and signage as deemed necessary to better communicate information.	1	0	1	2	1	1	1	1	1	0	1	10	M
Miles-12	Train personnel as weather spotters.	1	0	2	2	1	1	1	1	1	1	1	12	M
Miles-13	Continue to improve public awareness of hazardous weather through newsletters, public notices, strolling signs, etc.	2	0	1	2	1	1	1	1	1	1	1	12	M
Miles-14	Update snow and ice equipment as needed to better respond to snow and ice events.	2	1	0	3	1	1	1	1	1	-1	1	11	M
Miles-15	Review and implement community snow policies and implement during smaller storms as appropriate so	2	1	3	3	1	1	1	1	1	1	0	15	H

	citizens are familiar with rules and regulations													
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		0-unlikely, 1-maybe, 2-probably, or 3-definitely				Positive (1) Neutral (0) Negative (-1)								
Monmouth-1	Maintain or consider NFIP membership as required.	0	2	0	2	1	1	1	1	1	1	1	11	M
Monmouth-2	Identify and assist county in tracking critical facilities and vulnerable populations to improve responding to emergencies.	1	0	0	2	1	1	1	1	1	0	1	9	M
Monmouth-3	Maintain call down list of all critical personnel.	2	0	0	2	1	1	1	1	1	1	1	11	M
Monmouth-4	Maintain procedure to backup all critical data to prevent loss in the event of hazard.	0	0	2	3	1	1	1	1	1	1	1	12	M
Monmouth-5	Continue to maintain and enforce snow removal policies.	1	0	0	2	1	1	1	1	1	1	0	9	M
Monmouth-6	Provide backup power generators and wiring for critical facilities.	2	0	2	3	1	0	1	1	1	-1	1	11	M
Monmouth-7	Consider building a tornado safe room for all new construction and rehabilitation projects.	2	0	3	3	1	0	0	0	0	-1	1	9	M
Monmouth-8	Purchase or elevate structures, add lift stations, increase/reinforce culvert size, and add curb and gutter to streets in areas in flood zones with severe and repetitive flood damage to prevent reoccurrence.	1	2	1	2	1	0	-1	0	0	0	0	6	L

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		0-unlikely, 1-maybe, 2-probably, or 3-definitely				Positive (1) Neutral (0) Negative (-1)								
Monmouth-9	Continue to maintain existing outdoor warning siren systems and ensure appropriate coverage for population or ensure NOAA weather radios are available in uncovered areas.	2	0	2	3	1	1	-1	1	0	1	1	11	M
Monmouth-10	Purchase barricades and signage as deemed necessary to better communicate information.	1	0	1	2	1	1	1	1	1	0	1	10	M
Monmouth-11	Train personnel as weather spotters.	1	0	2	2	1	1	1	1	1	1	1	12	M
Monmouth-12	Continue to improve public awareness of hazardous weather through newsletters, public notices, strolling signs, etc.	2	0	1	2	1	1	1	1	1	1	1	12	M
Monmouth-13	Review and implement community snow policies and implement during smaller storms as appropriate so citizens are familiar with rules and regulations	2	1	3	3	1	1	1	1	1	1	0	15	H
Preston-1	Identify and assist county in tracking critical facilities and vulnerable populations to improve responding to emergencies.	1	0	0	2	1	1	1	1	1	0	1	9	M
Preston-2	Maintain procedure to backup all critical data to prevent loss in the event of hazard.	0	0	2	3	1	1	1	1	1	1	1	12	M



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Preston-3	Continue to maintain and enforce snow removal policies.	1	0	0	2	1	1	1	1	1	1	0	9	M
Preston-4	Update fire and rescue equipment as needed to better respond to emergencies.	2	0	0	3	1	1	1	1	1	-1	1	10	M
Preston-5	Consider building a tornado safe room for all new construction and rehabilitation projects.	2	0	3	3	1	0	0	0	0	-1	1	9	M
Preston-6	Update snow and ice equipment as needed to better respond to snow and ice events.	2	1	0	3	1	1	1	1	1	-1	1	11	M
Preston-7	Review and implement community snow policies and implement during smaller storms as appropriate so citizens are familiar with rules and regulations	2	1	3	3	1	1	1	1	1	1	0	15	H
Preston-8	Continue to assist county in maintaining a list of people on oxygen in the event of a power outage.	2	0	1	2	1	1	1	1	1	1	1	12	M
Preston-9	Research and educate community on potential critical infrastructure issues, options and developing a plan to address potential CME & EMP events	1	3	0	3	1	1	1	1	1	1	1	14	H
Preston-10	Implement plan, train personnel and purchase required equipment to minimize impact of CMP and EMP events	1	3	0	3	1	1	1	1	1	1	1	14	H

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		0-unlikely, 1-maybe, 2-probably, or 3-definitely				Positive (1) Neutral (0) Negative (-1)								
PCSD-1	Build shelter/tornado saferoom in all new construction	3	1	1	3	1	1	1	1	1	1	0	14	H
PCSD-2	Develop policy to prevent construction in the floodplain of education buildings or supporting structures (such as bus barns or maintenance sheds).	2	2	3	3	1	1	1	1	1	1	1	17	H
Sabula-1	Maintain NFIP membership and meet all program requirements.	0	2	0	2	1	1	1	1	1	1	1	11	M
Sabula-2	Identify and assist county in tracking critical facilities and vulnerable populations to improve responding to emergencies.	1	0	0	2	1	1	1	1	1	0	1	9	M
Sabula-3	Create call down list of all critical personnel.	2	0	0	2	1	1	1	1	1	1	1	11	M
Sabula-4	Maintain procedure to backup all critical data to prevent loss in the event of hazard.	0	0	2	3	1	1	1	1	1	1	1	12	M
Sabula-5	Continue to maintain and enforce snow removal policies.	1	0	0	2	1	1	1	1	1	1	0	9	M
Sabula-6	Update fire and rescue equipment as needed to better respond to emergencies.	2	0	0	3	1	1	1	1	1	-1	1	10	M
Sabula-7	Provide backup power generators and wiring for critical facilities.	2	0	2	3	1	0	1	1	1	-1	1	11	M

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		0-unlikely, 1-maybe, 2-probably, or 3-definitely				Positive (1) Neutral (0) Negative (-1)								
Sabula-8	Consider building a tornado safe room for all new construction and rehabilitation projects.	2	0	3	3	1	0	0	0	0	-1	1	9	M
Sabula-9	Purchase or elevate structures, add lift stations, increase/reinforce culvert size, and add curb and gutter to streets in areas in flood zones with severe and repetitive flood damage to prevent reoccurrence.	1	2	1	2	1	0	-1	0	0	0	0	6	L
Sabula-10	Continue to maintain existing outdoor warning siren systems and ensure appropriate coverage for population or ensure NOAA weather radios are available in uncovered areas.	2	0	2	3	1	1	-1	1	0	1	1	11	M
Sabula-11	Purchase barricades and signage as deemed necessary to better communicate information.	1	0	1	2	1	1	1	1	1	0	1	10	M
Sabula-12	Train personnel as weather spotters.	1	0	2	2	1	1	1	1	1	1	1	12	M
Sabula-13	Continue to improve public awareness of hazardous weather through newsletters, public notices, strolling signs, etc.	2	0	1	2	1	1	1	1	1	1	1	12	M
Sabula-14	Purchase additional signage to re- direct traffic during floods.	2	1	2	3	1	1	1	1	1	-1	1	13	H

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		0-unlikely, 1-maybe, 2-probably, or 3-definitely				Positive (1) Neutral (0) Negative (-1)								
Sabula-15	Replace storm drains that can shut gate with pump.	1	2	3	2	1	1	1	1	1	-1	1	13	H
Sabula-16	Construct a new flood pump station through application to IDED for CDBG grant.	2	3	2	3	1	1	1	1	1	-1	1	15	H
Sabula-17	Evaluate and monitor potential risks with utility placements.	1	1	2	1	1	1	1	1	1	1	1	12	M
Sabula-18	Continue to improve coordination with power companies in response to downed power lines.	2	2	0	3	1	1	1	1	1	1	1	14	H
Sabula-19	Continue to trim dead or weak branches from trees throughout the city.	1	3	1	3	1	1	1	1	1	1	1	15	H
Sabula-20	Review and implement community snow policies and implement during smaller storms as appropriate so citizens are familiar with rules and regulations	2	1	3	3	1	1	1	1	1	1	0	15	H
Spragueville-1	Maintain NFIP membership and meet all program requirements.	0	2	0	2	1	1	1	1	1	1	1	11	M
Spragueville-2	Identify and assist county in tracking critical facilities and vulnerable populations to improve responding to emergencies.	1	0	0	2	1	1	1	1	1	0	1	9	M
Spragueville-3	Maintain call down list of all critical personnel.	2	0	0	2	1	1	1	1	1	1	1	11	M

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Spragueville-4	Maintain procedure to backup all critical data to prevent loss in the event of hazard.	0	0	2	3	1	1	1	1	1	1	1	12	M
Spragueville-5	Continue to maintain and enforce snow removal policies.	1	0	0	2	1	1	1	1	1	1	0	9	M
Spragueville-6	Update fire and rescue equipment as needed to better respond to emergencies.	2	0	0	3	1	1	1	1	1	-1	1	10	M
Spragueville-7	Provide backup power generators and wiring for critical facilities.	2	0	2	3	1	0	1	1	1	-1	1	11	M
Spragueville-8	Consider building a tornado safe room for all new construction and rehabilitation projects.	2	0	3	3	1	0	0	0	0	-1	1	9	M
Spragueville-9	Purchase or elevate structures, add lift stations, increase/reinforce culvert size, and add curb and gutter to streets in areas in flood zones with severe and repetitive flood damage to prevent reoccurrence.	1	2	1	2	1	0	-1	0	0	0	0	6	L
Spragueville-10	Continue to maintain existing outdoor warning siren systems and ensure appropriate coverage for population or ensure NOAA weather radios are available in uncovered areas.	2	0	2	3	1	1	-1	1	0	1	1	11	M

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Spragueville-11	Purchase barricades and signage as deemed necessary to better communicate information.	1	0	1	2	1	1	1	1	1	0	1	10	M
Spragueville-12	Train personnel as weather spotters.	1	0	2	2	1	1	1	1	1	1	1	12	M
Spragueville-13	Continue to improve public awareness of hazardous weather through newsletters, public notices, strolling signs, etc.	2	0	1	2	1	1	1	1	1	1	1	12	M
Spragueville-14	Maintain a storm debris cleanup plan.	0	1	0	1	1	1	1	1	1	1	1	9	M
Spragueville-15	Update snow and ice equipment as needed to better respond to snow and ice events.	2	1	0	3	1	1	1	1	1	-1	1	11	M
Springbrook-1	Maintain call down list of all critical personnel.	2	0	0	2	1	1	1	1	1	1	1	11	M
Springbrook-2	Maintain procedure to backup all critical data to prevent loss in the event of hazard.	0	0	2	3	1	1	1	1	1	1	1	12	M
Springbrook-3	Continue to maintain and enforce snow removal policies.	1	0	0	2	1	1	1	1	1	1	0	9	M
Springbrook-4	Update fire and rescue equipment as needed to better respond to emergencies.	2	0	0	3	1	1	1	1	1	-1	1	10	M
Springbrook-5	Consider building a tornado safe room for all new construction and rehabilitation projects.	2	0	3	3	1	0	0	0	0	-1	1	9	M
Springbrook-6	Purchase or elevate structures, add lift	1	2	1	2	1	0	-1	0	0	0	0	6	L

	stations, increase/ reinforce culvert size, and add curb and gutter to streets in areas in flood zones with severe and repetitive flood damage to prevent reoccurrence.														
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Springbrook-7	Continue to maintain existing outdoor warning siren systems and ensure appropriate coverage for population or ensure NOAA weather radios are available in uncovered areas.	2	0	2	3	1	1	-1	1	0	1	1	11	M	
Springbrook-8	Purchase barricades and signage as deemed necessary to better communicate information.	1	0	1	2	1	1	1	1	1	0	1	10	M	
Springbrook-9	Train personnel as weather spotters.	1	0	2	2	1	1	1	1	1	1	1	12	M	
Springbrook-10	Continue to improve public awareness of hazardous weather through newsletters, public notices, strolling signs, etc.	2	0	1	2	1	1	1	1	1	1	1	12	M	
Springbrook-11	Maintain and upgrade generator to power for city water.	0	0	1	2	1	-1	0	1	0	-1	1	4	L	
Springbrook-12	Continue to coordinate recovery of downed power lines with Alliant Energy, local fire department personnel and law enforcement.	1	1	1	2	1	1	1	1	1	1	1	12	M	
Springbrook-13	Review and implement	2	1	3	3	1	1	1	1	1	1	0	15	H	

	community snow policies and implement during smaller storms as appropriate so citizens are familiar with rules and regulations													
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St Donatus-1	Maintain NFIP membership and meet all program requirements.	0	2	0	2	1	1	1	1	1	1	1	11	M
St Donatus-2	Identify and assist county in tracking critical facilities and vulnerable populations to improve responding to emergencies.	1	0	0	2	1	1	1	1	1	0	1	9	M
St Donatus-3	Create call down list of all critical personnel.	2	0	0	2	1	1	1	1	1	1	1	11	M
St Donatus-4	Maintain procedure to backup all critical data to prevent loss in the event of hazard.	0	0	2	3	1	1	1	1	1	1	1	12	M
St Donatus-5	Continue to maintain and enforce snow removal policies.	1	0	0	2	1	1	1	1	1	1	0	9	M
St Donatus-6	Provide backup power generators and wiring for critical facilities.	2	0	2	3	1	0	1	1	1	-1	1	11	M
St Donatus-7	Purchase or elevate structures, add lift stations, increase/reinforce culvert size, and add curb and gutter to streets in areas in flood zones with severe and repetitive flood damage to prevent reoccurrence.	1	2	1	2	1	0	-1	0	0	0	0	6	L



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St Donatus-8	Continue to improve public awareness of hazardous weather through newsletters, public notices, strolling signs, etc.	2	0	1	2	1	1	1	1	1	1	1	12	M
St Donatus-9	Review and implement community snow policies and implement during smaller storms as appropriate so citizens are familiar with rules and regulations	2	1	3	3	1	1	1	1	1	1	0	15	H
St Donatus-10	Install storm sewers for entire town, with West First Street as a priority.	1	3	2	3	1	-1	1	1	1	-1	1	12	M
St Donatus-16	Update snow and ice equipment as needed to better respond to snow and ice events.	2	1	0	3	1	1	1	1	1	-1	1	11	M
Unincorporated-1	Maintain NFIP membership and meet all program requirements.	0	2	0	2	1	1	1	1	1	1	1	11	M
Unincorporated-2	Maintain and enforce snow removal policies.	1	0	0	2	1	1	1	1	1	1	0	9	M
Unincorporated-3	Provide backup power generators and wiring for critical facilities.	2	0	2	3	1	0	1	1	1	-1	1	11	M
Unincorporated-4	Consider building a tornado safe room for all new construction and rehabilitation projects.	2	0	3	3	1	0	0	0	0	-1	1	9	M

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Unincorporated-5	Purchase or elevate structures, add lift stations, increase/reinforce culvert size, and add curb and gutter to streets in areas in flood zones with severe and repetitive flood damage to prevent reoccurrence.	1	2	1	2	1	0	-1	0	0	0	0	6	L
Unincorporated-6	Continue to maintain existing outdoor warning siren systems and ensure appropriate coverage for population or ensure NOAA weather radios are available in uncovered areas.	2	0	2	3	1	1	-1	1	0	1	1	11	M
Unincorporated-7	Purchase barricades and signage as deemed necessary to better communicate information.	1	0	1	2	1	1	1	1	1	0	1	10	M
Unincorporated-8	Train personnel as weather spotters.	1	0	2	2	1	1	1	1	1	1	1	12	M
Unincorporated-9	Continue to improve public awareness of hazardous weather through newsletters, public notices, strolling signs, etc.	2	0	1	2	1	1	1	1	1	1	1	12	M
Unincorporated-10	Review and implement community snow policies and implement during smaller storms as appropriate so citizens are familiar with rules and regulations	2	1	3	3	1	1	1	1	1	1	0	15	H

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Unincorporated-11	Create a database of individuals with special needs to assist in a hazard event.	2	0	0	3	1	1	1	1	1	1	1	12	M
Unincorporated-12	Research and educate community on potential critical infrastructure issues, options and developing a plan to address potential CME & EMP events	1	3	0	3	1	1	1	1	1	1	1	14	H
Unincorporated-13	Implement plan, train personnel and purchase required equipment to minimize impact of CMP and EMP events	1	3	0	3	1	1	1	1	1	1	1	14	H