## **SECTION 3: MITIGATION STRATEGIES**

As Mercer County's planning team and stakeholders developed mitigation goals and strategies for the county, their intention was to address each jurisdiction's specific risks and vulnerabilities. The goals and strategies in this section reflect each jurisdictions hazard analysis and risk priorities. While some strategies are similar from jurisdiction to jurisdiction, stakeholders in each community expressed their unique circumstances and crafted strategies to address their specific issues. The result is a set of comprehensive mitigation goals and strategies that address the needs of Mercer County and each jurisdiction.

### 3.1 STATUS OF PAST MITIGATION EFFORTS

The 2017 Mercer County Hazard Mitigation Plan included mitigation goals and strategies for each jurisdiction. As part of the 2022 planning process, stakeholders from each jurisdiction assessed the status of the 2017 strategies. Table 3-1 identifies the status of each mitigation strategy based on the classifications listed below.

- Complete: all necessary work is complete
- Deferred: determined to not be feasible or appropriate at this time; removed from consideration
- Ongoing: work has not been achieved in its entirety; more activity is necessary to complete this action
- Unchanged: action is still necessary, but no progress has been made at this time

Strategies listed as ongoing or unchanged have been included in the 2022 strategies. Those identified as completed or deferred have been removed from the updated plan and an explanation for the change is listed in the table below.

**Table 3-1: 2017 Mercer County Mitigation Strategy Status** 

Strategy	Complete	Defer	Ongoing	Unchanged	Explanation
MERCER CO			ŏ	Ď	
1.1		•		Х	
1.2				X	
1.3			Х		
1.4			Х		
2.1				Χ	
2.2			Χ		
2.3			Χ		
2.4				Χ	
2.5				Χ	

Strategy					Explanation
	4)			þa	<b></b>
	lete		gu	ıngı	
	Complete	Defer	goi	Unchanged	
	Co	De	Ongoing	U	
2.6			Х		
2.7				Χ	
2.8				Χ	
2.9			Χ		
2.10				Χ	
2.11				Χ	
2.12				Χ	
2.13				Χ	
2.14				Χ	
3.1				Χ	
3.2				Χ	
3.3				Χ	
3.4				Χ	
3.5				Χ	
4.1				Χ	
4.2				Χ	
4.3				Χ	
5.1				Χ	
5.2				Χ	
5.3				Χ	
5.4				Χ	
5.5				Χ	
5.6				Χ	
5.7				Χ	
5.8				Χ	
5.9				Χ	
6.1				Χ	
6.2				Χ	
6.3			Χ		
6.4				Χ	
6.5				Χ	
BURKETTS	<b>VILLE</b>				
1.1				Χ	
1.2				Χ	
1.3			Χ		
2.1				Χ	
2.2				Χ	
2.3				Χ	
2.4				Χ	
2.5			Χ		
2.6				Χ	

Ct	I		I	I	F.d. O
Strategy				75	Explanation
	ţ		00	Bec	
	Complete	7:	Ongoing	Unchanged	
	m o	Defer	)ng	Juc	
	0		0		
2.7				X	
2.8				X	
3.1				X	
4.1				X	
5.1				X	
5.1				X	
6.1				X	
6.2					
				Х	
1.1			Х		
1.1			X		
1.3			^	Х	
1.4			Х	^	
2.1			^	Х	
2.2				X	
3.1	Х			^	Work is considered complete by jurisdiction officials.
3.2	^			Х	Work is considered complete by jurisdiction officials.
3.3	Х			^	Work is considered complete by jurisdiction officials; affected trees
					have been removed.
3.4	Х				Work is considered complete by jurisdiction officials; plan is in place.
3.5	Х				Work is considered complete by jurisdiction officials.
4.1			Χ		
4.2			Х		
4.3				Х	
4.4			Χ		
4.5			Χ		
4.6				Х	
4.7			Χ		
4.8			Χ		
4.9				Х	
4.10				Х	
5.1				Х	
6.1			Х		
6.2			Χ		
CHICKASA	N	ı	ı	ı	
1.1			Χ		
1.2				Х	
2.1				Х	
2.2				Χ	

Strategy				_	Explanation
	Complete	Defer	Ongoing	Unchanged	
3.1				Χ	
3.2		Χ			Strategy is not applicable to jurisdiction.
3.3				Χ	
3.4				Χ	
3.5				Χ	
4.1			Χ		
4.2				Χ	
4.3			Χ		
4.4				Χ	
5.1				Χ	
5.2				Χ	
5.3				Χ	
5.4			Χ		
5.5			Χ		
5.6				Χ	
5.7				Χ	
6.1				Х	
COLDWAT	ER				
1.1			Χ		
1.2			Х		
1.3			Х		
1.4				Χ	
1.5		Χ			Jurisdiction identified action as a county strategy.
1.6				Χ	
1.7				Х	
1.8				Х	
1.9				Х	
1.10				Х	
2.1			Х		
2.2				Х	
2.3			Х		
2.4				Х	
3.1				Х	
3.2				Х	
4.1	Х				Jurisdiction considers work on this strategy complete.
4.2	Х				Jurisdiction considers work on this strategy complete; diseased trees are removed.
4.3	Х				Jurisdiction considers work on this strategy complete.
4.4				Х	37 1
5.1			Х		
6.1			Х		

Strategy					Explanation
Strategy				ਰ	Explanation
	ete		<u>ھ</u>	nge	
	npl	er	šoir	ha	
	Complete	Defer	Ongoing	Unchanged	
6.2	Χ				Jurisdiction considers work on this strategy complete.
FORT RECO	VERY	'			
1.1				Χ	
1.2				Χ	
1.3			Χ		
1.4			Χ		
1.5				Χ	
1.6			Χ		
1.7			Х		
1.8				Х	
1.9				Х	
1.10			Χ		
1.11				Х	
1.12				Х	
1.13				Х	
2.1			Х		
2.2				Χ	
2.3			Х		
2.4				Х	
3.1				Х	
3.2				Х	
4.1				Х	
4.2				Х	
4.3				Х	
4.4			Х		
5.1			X		
5.2	Х				Jurisdiction considers this strategy complete; diseased trees have
	-				been removed.
5.3			Х		
5.4				Х	
6.1				Х	
MENDON					
1.1			Х		
1.2				Х	
1.3				Х	
1.4				Х	
2.1			Х		
2.2				Х	
			Х		
				Х	
3.1 3.2 3.3			X	X	

Strategy					Explanation
	e e			pes	
	Complete		Ongoing	Unchanged	
	m d	Defer	ngo	nch	
	ö	۵	Ō	ō	
3.4				Χ	
4.1			Χ		
4.2				Х	
4.3				Х	
4.4			Х		
4.5				Х	
4.6				Х	
4.7				Х	
4.8	Χ				Jurisdiction considers work on this strategy complete.
5.1				Х	
6.1				Χ	
6.2				Χ	
MONTEZU	MA				
1.1				Χ	
1.2			Χ		
1.3				Χ	
1.4				Χ	
2.1			Χ		
2.2		Χ			Defer to county; strategy is not applicable to jurisdiction because
					there are no dams in the village.
2.3				Х	
2.4				Х	
2.5		Х			Defer to county; jurisdiction does not consider strategy applicable.
2.6				Х	
2.7				Х	
2.8				Х	
2.9			Х		
2.10			Χ		
2.11		Χ			Defer to county; jurisdiction does not consider strategy applicable.
2.12				Х	
2.13		Х			Defer to county; jurisdiction does not consider strategy applicable.
2.14				Χ	
3.1				Х	
3.2		Χ			Defer to county
4.1		Χ			Defer to county
4.2				Х	
4.3				Χ	
5.1				Χ	
5.2				Х	
5.3		Χ			Defer to county
6.1		Χ			Defer to county

Strategy					Explanation
ourategy	<b>a</b> )			þa	<u> </u>
	Complete		Ongoing	Unchanged	
	mp	Defer	goi	cha	
	ဝ	De	ő	ว็	
ROCKFORD					
1.1			Х		
1.2				Х	
1.3			Х		
1.4				Χ	
1.5				Χ	
1.6				Χ	
1.7				Х	
1.8			Х		
1.9			Х		
1.10			Х		
2.1				Х	
2.2			Х		
2.3			Х		
2.4			Χ		
3.1			Χ		
3.2		Χ			Defer to county
3.3		Χ			Defer to county
4.1		Х			Defer to county
4.2				Х	
4.3				Χ	
4.4		Х			Defer to county
5.1			Х		
5.2			Х		
5.3			X		
6.1			Χ		
ST. HENRY				V	
1.1			Х	Х	
1.3			^	Х	
1.4					
1.4			X		
1.6			X		
1.7				Х	
1.7				X	
1.9				X	
1.10			Х	^	
2.1				Х	
2.2			Х		
2.3			X		
				Х	
2.4				Χ	

Strategy					Explanation
	Complete	Defer	Ongoing	Unchanged	
3.1			Χ		
3.2				Х	
4.1				Χ	
5.1			Х		
5.2			Χ		
5.3				Χ	
5.4				Χ	
6.1				Х	

#### 3.2 RISK PRIORITIES

The Hazard Identification and Risk Assessment (HIRA) explains the identification of hazards and evaluation of risks in Mercer County. The HIRA considers numerous natural, human-caused, and technological hazards, cites the historical frequency and severity of past incidents, and considers the damages that would occur should that type incident strike a jurisdiction within Mercer County. Based on this assessment, the planning team ranked the hazards and risks for Mercer County according to the list on page 2-74 of the HIRA. This ranking was used to develop and prioritize the mitigation strategies presented in this section. Because stakeholders from each jurisdiction were involved in establishing the priorities, there is some variation between communities. In general, the following information was used in prioritizing risks and strategies:

## Tornado/Windstorm

Mercer County's most concerning threat is tornadoes and excessive wind. Because of the county's flat terrain and the number of trees and wooded areas, exposure to high wind and the poor condition of many trees makes wind extremely threatening. The significant number of structures vulnerable to wind damage is significant and includes conventionally roofed residential and commercial structures, grain bins, legs and elevators, and many older buildings like barns, homes, and churches. The county has also been impacted by several devastating tornadoes in the last five years. These incidents have caused millions of dollars in damage and multiple deaths. As a result, the community is very concerned about tornado and wind events. Strategies for wind focus on elimination of debris potential, hardening of utility distribution systems, and use of wind-resistant building materials and wind-wise construction practices.

#### Flood

Flooding is the second major concern and includes riverine and flash flooding. Some of the county's primary waterways flood under heavy rain or combined precipitation and snowmelt conditions. Beaver Creek, Coldwater Creek, St. Marys River, and Wabash River can all breach their banks, flooding farmland, crops, roads and bridges, and some homes. When the

precipitation is rapid and sewers or natural runoff cannot keep up with the pace of the rainfall, then streets and homes in settlements and municipalities flood. Crop fodder and sediment can wash into the drainage systems and clog storm sewers, making drainage a challenge in the villages at some times during the year. Although the county has conducted mitigation work on several repetitive loss properties, several of these remain in a high-risk flood area. Most flooding is short-term because Mercer County sits at relatively high elevations in all the watersheds, so water drains in a reasonably short period of time. However, at times, it can leave a path of destruction as its legacy. Strategies for flooding focus on structural options such as retention and detention of water, elevation of structures, and water management systems and practices. Land use regulation is used to prevent unwise construction inside flood zones. Actions can also include facilitation of drainage through system improvements and waterway maintenance. Acquisition projects are a likely solution for some structures.

## Winter Storm

Winter storms are disruptive and expensive. At their worst, they cause roads to be impassible and create major access problems for livestock and agriculture businesses across the county. Winter storms that include ice can lead to extensive power outages, bringing all commercial activity, including livestock production, to a halt. These storms also include risks for high winds and heavy snowfall. Winter weather strategies focus on enhancing capacity to maintain clear roads and strengthening utility and transportation infrastructure.

## Infrastructure-Utility Systems

Utility system failure was prioritized by the planning team because these systems provide critical services to residents and businesses. If utility systems are non-functional for very long, the community can suffer greatly. If these systems are resilient and reliable, the community can withstand many other disasters or negative events. Therefore, the planning team prioritized strengthening utility systems, including upgrades and repairs or, when necessary, system replacement.

### Severe Thunderstorm

While severe thunderstorms do not frequently cause widespread damage, the potential for multiple hazards to occur increases the risk. Planning team members felt that the combined potential for damage from wind, precipitation, hail, and lightning was a significant risk for the community and developed strategies that focused on communication and public information to increase the community's awareness and preparedness for these types of events.

The strategies in this plan are intended to provide general options to lessen the vulnerabilities in Mercer County. During the planning process, the planning team and stakeholders determined what hazards strike most frequently, which cause the most disruption, and which consequences feasibly can be prevented or lessened. Because of the county's history with the five hazards below and the potential for damage, the planning team focused most mitigation strategies on these areas. The planning team considered cost and funding opportunities, actual benefit to the community, prevention of loss of life, and overall feasibility. The planning team

attempted to identify the incidents that might realistically impact their community. These goals and strategies are an outcome of that assessment.

### 3.3 IMPLEMENTATION

The identified mitigation strategies are general actions that could be taken to reduce the negative impact of disasters and large-scale emergencies. For a strategy to become an actionable item, it must be converted to a specific project with funding, action steps, timelines, and project goals. For example, if a repetitive loss property is to be acquired and demolished and the property owner relocated, that project must begin with the identification of the specific property to be acquired and the funding to be utilized for the project. The property owner must agree to accept the buy-out and use the money to purchase another home. The jurisdiction must accept its share of cost, planning responsibility, and project management roles. Only then can the actual project be executed. A similar process must be followed for any of the strategies identified here to become projects that reduce disaster loss in Mercer County.

The EMA will monitor the implementation of these strategies through ongoing communication with officials and stakeholders. When grant opportunities arise, reasonable efforts will be made to secure funding. For strategies that must be funded through local budgets, jurisdictions will work diligently to identify local funding sources that can be used to address disaster vulnerability. When funding is secured, a detailed project timeline will be developed, and actionable steps taken to complete the project. Upon completion, effectiveness will be evaluated by the jurisdiction and findings shared with the EMA and planning team for consideration in developing future projects.

The greatest value in these strategies is the process, knowledge, and reasoning stakeholders utilized during their development. The mitigation planning process required stakeholders to collaborate to evaluate hazards and analyze risks in their community. They were required to examine the local community, predict where and under what conditions damages would occur, and identify how to reduce or eliminate potential damages. The solutions, in the form of mitigation goals and actions that will ultimately develop into projects, had to be developed to maximize benefit to the community while minimizing cost. This process required whole community involvement so that the community was represented in the planning process.

Ultimately, Mercer County developed a set of comprehensive, relevant, and effective solutions to problems that are likely to arise. As stakeholders considered how to solve potential problems, they utilized a collaborative spirit to address community-wide problems. These strategies were original thoughts to reduce disaster vulnerability and loss at the local level.

Given the availability of funding, personnel, and support, Mercer County and its jurisdictions are positioned to move forward and implement these strategies to the best of their ability to accomplish their goals. Whatever mitigation activities are achieved will be well thought out, logical, and reasonable because of the community-wide hazard mitigation planning process.

# 3.4 MITIGATION GOALS AND STRATEGIES

Planning Team members and stakeholders worked by jurisdiction and collaboratively as a county to develop appropriate mitigation goals and strategies. Draft strategies were developed based on the input provided by the stakeholders and presented to the planning team and community for public review and comment. Strategies were revised accordingly to finalize the mitigation goals and strategies presented in this section. Strategies for specific jurisdictions vary from the countywide in priority of the problem and the potential solution.

Each strategy developed was assigned a priority, status, action type, funding source, project lead, and timeline, as described below. While these specific details may change prior to implementation of a strategy, the exercise of developing this information required stakeholders to consider the resources, staffing, and funding that would be necessary to implement mitigation strategies.

# Priority

Priority identifies the order of importance jurisdictions assigned to each strategy. Strategies may not be addressed in this exact order, depending on availability of funds and other circumstances.

#### Status

Status identifies if the strategy is new to this mitigation plan or a strategy that was carried over from the previous plan.

- New: Strategy is new to the mitigation plan.
- Ongoing: Strategy is carried over from the previous mitigation plan but may be revised to better reflect the current need. Work has not been achieved in its entirety; more activity is necessary to complete this action.
- Unchanged: Strategy is carried over from the previous mitigation plan with no changes. The action is still necessary, but no progress has been made at this time.

### Action Type

Action type describes the kind of activity described in the strategy.

- Natural Resource Protection Reduce the impacts of natural hazard by preserving or restoring natural areas and their mitigation functions
- Prevention Avoid hazard problems or stop impact from worsening
- Property Protection Protect structures by modifying or strengthening building to withstand impact
- Public Information Advise the public about hazards, hazardous areas, and mitigation techniques to protect people and property
- Structurally Engineered—Lessen the impact of a hazard by modifying the environment or progression of the hazard event through designed and engineered projects

## **Funding Source**

Mitigation strategies can be funded through a variety of sources. Depending on the type and cost of the project, different funding sources will be available and appropriate. Each strategy identifies potential funding sources based on this list:

- HMA Hazard Mitigation Assistance grants (includes HMPG, FMA, PDM, BRIC, and other federal mitigation grants)
- EMPG Emergency Management Performance Grant
- HSGP Homeland Security Grant Program
- ICC Increased Cost of Compliance (including rate increases or premiums)
- Local Local Funds
- State State Funds (including Community Development Block Grants, Clean Ohio Grants, and other state funding source)
- Other- Other (including private funds and non-governmental agency funding)

## Project Lead

The project lead is the individual or agency charged with championing the strategy and ensuring that jurisdiction officials look for opportunities to complete the strategy over the five-year planning cycle. The lead is responsible for coordinating the overall effort and/or is the entity most appropriate to lead project development at the initial state but may not necessarily be responsible for project oversight or completion should the strategy develop into an actionable and funded project.

### Timeline

The timeline identifies the time frame in which a mitigation strategy could realistically be implemented. The actual time frame may vary from what is described in this plan, depending on funding, grant opportunities, or changes in priorities as other critical activities are adjusted to meet evolving community needs.

	Mitigation				Funding	Est.			
Status	Action	Details	Priority	<b>Action Type</b>	Source	Cost	Project Lead	Start Date	End Date
MERCER CO	UNTY				'				
GOAL 1: ME	RCER COUNTY	WILL REDUCE DAMAGES FROM TORNADOES AND WINDSTORMS.							
Unchanged	County 1.1	Advocate for and support the construction of safe rooms for	1	Property	Local		EMA Director	3/1/2022	3/1/2027
		vulnerable locations, including single and multi-family homes and		Protection					
		neighborhoods without basements or shelters.							
Unchanged	County 1.2	Advocate, support, and implement (on county property), the	2	Natural	Local	0	County	3/1/2022	3/1/2027
		proper maintenance of trees and vegetation to reduce damages		Resource			Commissioners		
		caused by high winds or tornadoes.		Protection					
Ongoing	County 1.3	Implement a program to clear debris from urban and rural areas	3	Property	Local	0	County	3/1/2022	3/1/2027
		after severe wind and flooding events to prevent crop fodder and		Protection			Commissioners		
		other debris from affecting water treatment plants, sewers, and							
		other infrastructure, and keep transportation routes open and							
		accessible							
Ongoing	County 1.4	Maintain and enforce land use regulations (including zoning and	4	Prevention	Local	0	Regional	3/1/2022	3/1/2027
		development regulations and construction codes) in an effort to					Planning Chair		
		reduce storm damages to properties.							
GOAL 2: ME	RCER COUNTY	WILL REDUCE DAMAGES FROM FLOODING.							
Unchanged	County 2.1	Utilize acquisition, demolition, and relocation programs for	5	Prevention	Local;	0	EMA Director	3/1/2022	3/1/2027
		properties that suffer repetitive flood loss and/or experience			HMA				
		repeated damage from all types of flooding.							
Ongoing	County 2.2	Participate in NFIP and other federal flood mitigation programs	6	Prevention	Local	0	Floodplain	3/1/2022	3/1/2027
		that help the county reduce losses attributable to flooding and					Manager		
		regularly review flood maps through a process of public							
		engagement to assure accuracy as necessary.							
Ongoing	County 2.3	Review and enforce existing land use regulations (zoning rules,	7	Prevention	Local	0	Regional	3/1/2022	3/1/2027
		building codes) to facilitate appropriate development, especially in					Planning Chair		
		areas vulnerable to flooding.							
Unchanged	County 2.4	Advocate that tenants and property owners maintain reasonable	8	Prevention	Local	0	EMA Director	3/1/2022	3/1/2027
		casualty insurance, including flood insurance where appropriate, as							
		mitigation against disaster losses.							
Unchanged	County 2.5	Use federal and state grant programs to fund mitigation efforts,	9	Prevention	HMA	0	EMA Director	3/1/2022	3/1/2027
		especially in flood mitigation and mitigation planning.							
Ongoing	County 2.6	Require the use of retention and detention ponds where new or	10	Structurally	Local;	0	Regional	3/1/2022	3/1/2027
		expanded construction, parking lots, streets, or other development		Engineered	нма;		Planning Chair		
		may cause flooding to occur as a result of increased runoff or lack			Other				
		of natural drainage.							

	Mitigation				Funding	Est.			
Status	Action	Details	Priority	<b>Action Type</b>	Source	Cost	Project Lead	Start Date	<b>End Date</b>
Unchanged	County 2.7	Maintain or replace, as needed, water control structures and	11	Structurally	Local	0	County Sanitary	3/1/2022	3/1/2027
		systems, such as wastewater pumping stations, generators, water		Engineered			Superintendent		
		pumps, and other structures.							
Unchanged	County 2.8	Maintain or replace, as needed, water control structures and	12	Structurally	Local;	0	County	3/1/2022	3/1/2027
		systems, such as storm sewers, dams, and other structures that		Engineered	Other		Engineer		
		control watershed and/or protect specific areas from flooding.							
Ongoing	County 2.9	Clear county-maintained ditches of debris, sediment, and other	13	Natural	Local	0	County	3/1/2022	3/1/2027
		obstructions that impede drainage.		Resource			Engineer		
Unchanged	County 2.10	Advocate for study of the impact of potential dam failure, including	14	Protection Prevention	Local;	0	County	3/1/2022	3/1/2027
J	,	consideration of dam height, elevation of bodies of water,			State		Engineer	, ,	, ,
		floodgate management and other maintenance factors by the					0 11		
		owner of the dam.							
Unchanged	County 2.11	Study countywide watershed and storm runoff to improve storm	15	Structurally	Local	0	SWCD Director	3/1/2022	3/1/2027
		water practices that protect property and reduce damages from		Engineered					
		flooding.							
Unchanged	County 2.12	Elevate structures (buildings, roads, bridges, culverts, etc.) and	16	Structurally	Local	0	County	3/1/2022	3/1/2027
		create buffer zones to contain floodwater where other means are		Engineered			Engineer		
		ineffective, too costly, or not feasible.							
Unchanged	County 2.13	Encourage individuals to mitigate personal flood loss through the	17	Prevention	Local	0	EMA Director	3/1/2022	3/1/2027
		use of simple prevention measures like sandbagging or not building							
		on property that floods.							
Unchanged	County 2.14	Consider improvements to roads such as increased bridge spans	18	Structurally	Local	0	County	3/1/2022	3/1/2027
		and elevation, repair of berms, maintenance of bridge slopes and		Engineered			Engineer		
		protection of roadways from flooding.							
		WILL REDUCE DAMAGES FROM ALL SEVERE STORMS, INCLUDING TH							
Unchanged	County 3.1	Expand the availability of road signs to identify dangerous road	19	Property	Local	0	EMA Director	3/1/2022	3/1/2027
		conditions like flooding, washouts, and other damages from		Protection					
		storms.				_	_	- 1: 1	- 1: 1
Unchanged	County 3.2	Expand and improve the county's public warning and notification	20	Public	Local;	0	County	3/1/2022	3/1/2027
		capability through additional or improved outdoor warning sirens,		Information	HSGP;		Engineer		
		improvements to the software used in these systems, or enhanced			EMPG				
		public education regarding warning and notification of protection							
1 l m a la c : 1	County 2.2	orders or warnings.	24	Nichows	Local		Carratur	2/4/2022	2/4/2027
Unchanged	County 3.3	Develop and implement a program to assist in the removal of dead	21	Natural	Local	0	County	3/1/2022	3/1/2027
		or diseased trees along county maintenance waterways and		Resource			Engineer		
		roadways that have been affected by Emerald Ash Borer and other		Protection					
		invasive species.							

	Mitigation				Funding	Est.			
Status	Action	Details	Priority	<b>Action Type</b>	Source	Cost	Project Lead	Start Date	End Date
Unchanged	County 3.4	Advocate for the agriculture industry to have emergency	22	Property	Local	0	EMA Director	3/1/2022	3/1/2027
		preparations in place and access to generators and other critical		Protection					
		resources during extended power outages, to goods and services							
		that are unique to livestock disease or infestation incidents, to							
		services and supplies used in repair of specialized farm equipment							
		damaged by storms and wind, and to other measures needed after							
		disastors				_		- 1: 1	- /- /
Unchanged	County 3.5	Develop methods for the agriculture community to collaborate	23	Property	Local	0	EMA Director	3/1/2022	3/1/2027
		with appropriate agencies immediately after storms to identify		Protection					
		storm caused consequences, such as excessive runoff and							
		downstream flooding, manure management challenges, grain and							
		chemical storage issues, equipment and commodity damages, and							
		livestock casualties.							
GOAL 4: ME	RCER COLINTY	WILL PROTECT AND IMPROVE INFRASTRUCTURE TO REDUCE DAMA	GES TO C	RITICAL SYSTE	MS				
	County 4.1	Encourage collaboration between all levels of government and	24	Property	Local	0	EMA Director	3/1/2022	3/1/2027
	,	private contractors to clear roads and maintain utilities sure and		Protection				-, , -	
		after severe weather, especially ice, snow and floods to protect							
		livestock operations from disaster related losses.							
		investock operations from alsaster related losses.							
Unchanged	County 4.2	Advocate and encourage the hardening of utilities through damage	25	Structurally	Local;	0	EMA Director	3/1/2022	3/1/2027
		resistant installation below grade, improvements to supply lines		Engineered	Private				
		and generations plants, and upgrade of substations and							
		transformers.							
Unchanged	County 4.3	Advocate for identification of redundant suppliers of heating fuels,	26	Property	Local	0	EMA Director	3/1/2022	3/1/2027
		potable water, and other utility needs and will identify and		Protection					
		facilitate availability and proper use of generators as an alternate							
		power source.				_	_	- 1: 1	- /- /
New	County 4.4	Maintain, repair, upgrade, and/or replace storm sewers,		Structurally	Local;	0	County	3/1/2022	3/1/2027
		wastewater management systems, and associated structures, such		Engineered	HMA;		Commissioners		
		as curbs and stormwater basins.			Other		5344 5: 1	2/4/2022	2/4/2027
New	County 4.5	Ensure that high hazard and classified dams have appropriate		Property	Local	0	EMA Director	3/1/2022	3/1/2027
		emergency plans that identify inundation areas and facilitate		Protection					
New	County 4.6	emergency actions in the event of a failure.		Ctructurally	Locali	0	County	3/1/2022	3/1/2027
IVEW	County 4.6	Maintain, repair, and replace dams and upground reservoirs that		Structurally	Local;	0		5/1/2022	3/1/202/
		are structurally compromised or place the public in danger during a		Engineered	HMA;		Commissioners		
New	County 4.7	structural failure. Improve and repair roadways, bridges, culverts, and other		Structurally	Other Local;	0	County	3/1/2022	3/1/2027
746.00	County 4.7	transportation infrastructure that is damaged by rapid runoff and		Engineered	HMA;		Engineer	3/ 1/ 2022	3/1/202/
		heavy precipitation.		Liigiileereu			LIIGIIIEEI		
		Heavy Drecibitation.		1	Other	l			

	Mitigation				Funding	Est.			
Status	Action	Details	Priority	<b>Action Type</b>	Source	Cost	Project Lead	Start Date	End Date
New	County 4.8	Conduct appropriate studies (hydrology and hydraulics, storm		Property	Local;	0	County	3/1/2022	3/1/2027
		water and sewer, inundation, and others) to determine the root		Protection	нма;		Engineer		
		cause of flooding and water management issues and identify			Other				
		vulnerable populations and structures.							
New	County 4.9	Maintain, repair, upgrade, and/or replace water treatment and		Structurally	Local;	0	County	3/1/2022	3/1/2027
		distribution systems.		Engineered	нма;		Commissioners		
					Other				
		WILL PRESERVE AND PROTECT NATURAL RESOURCES FROM THE EF							
Unchanged	County 5.1	Support and participate in (when feasible) efforts to maintain and	27	Natural	Local	0	County	3/1/2022	3/1/2027
		clear county maintenance waterways of debris, excessive sediment,		Resource			Engineer		
		and other obstructions that prevent effective drainage.		Protection					
Unchanged	County 5.2	Participate in regional watershed management programs (when	28	Natural	Local	0	SWCD Director	3/1/2022	3/1/2027
		feasible) to create additional wetlands and reduce the use of		Resource					
		phosphorus and nitrogen in agricultural, residential, and		Protection					
		commercial settings.							
Unchanged	County 5.3	Facilitate collaboration with farmers and agri-businesses to adopt	29	Property	Local	0	SWCD Director	3/1/2022	3/1/2027
		conservation procedures that protect agricultural assets during and		Protection					
		after severe storms, including land, facilities, crops, and other							
	0	assets.	20				011100 01	2/4/2022	2 /4 /2 2 2 7
Unchanged	County 5.4	Encourage agricultural conservation processes that protect topsoil,	30	Natural	Local	0	SWCD Director	3/1/2022	3/1/2027
		slopes and waterway banks from wind or water erosion through		Resource					
		the use of windbreaks, filter strips, cover crops, grassy buffers, tree		Protection					
		lines, and other methods of preserving the soil.							
Unchanged	County 5.5	Protect roadways from compromised structural integrity, washed	31	Property	Local	0	County	3/1/2022	3/1/2027
		away abutments and bridges, degraded berms, or other damage		Protection			Engineer		
		through stabilization and reinforcement techniques.							
Unchanged	County 5.6	Support agricultural practices that pertain to conservation efforts	32	Natural	Local	0	SWCD Director	3/1/2022	3/1/2027
		that replace old and damaged field tiles and replace them with		Resource					
		contemporary structures; and that advocate for the appropriate		Protection					
		and feasible use of cover crops, filter strips, conservation tillage,							
		and tile control structures to limit the erosion of topsoil and							
		protect slopes and waterway banks.							

	Mitigation				Funding	Est.			
Status	Action	Details	Priority	Action Type	Source	Cost	Project Lead	Start Date	<b>End Date</b>
Unchanged	County 5.7	Improve the county ditch maintenance program to further improve	33	Natural	Local	0	County	3/1/2022	3/1/2027
		the natural function of the watershed and to repair damage done		Resource			Engineer		
		to streams, creeks, and ditches by storms and floods.		Protection					
Unchanged	County 5.8	Develop a program to protect and preserve cemeteries in the	34	Property	Local	0	County	3/1/2022	3/1/2027
		county from damage by severe storms and floods.		Protection			Commissioners		
Unchanged	County 5.9	Establish conservation procedures to be used during water	35	Natural	Local	0	EMA Director	3/1/2022	3/1/2027
		emergencies or shortages.		Resource					
COAL C. DAE	DOED COLINEY	MANUEL DROVADE THE BURNES WATER DISASTED INFORMATION TO SAVE	1111/50 44	Protection	PODEDTY		ALL TYPES OF HAZ	ABBC	
	1	WILL PROVIDE THE PUBLIC WITH DISASTER INFORMATION TO SAVE			1	l			2/4/2027
Unchanged	County 6.1	Develop a multi-part communication system to engage the	36	Public	Local;	0	EMA Director	3/1/2022	3/1/2027
		community in protective action procedures, warnings and		Information	HSGP;				
		notifications, and other critical lifesaving information related to all			EMPG				
Unchanged	County 6.2	disaster incidents when necessary.  Develop interoperable communication plans to coordinate life-	37	Public	Local;	0	EMA Director	3/1/2022	3/1/2027
Officialiged	County 0.2	saving efforts with community partners and others during severe	37	Information	HSGP;	U	LIVIA DITECTOI	3/1/2022	3/1/2027
		storms and other disasters.		iiiioiiiiatioii	EMPG				
Ongoing	County 6.3	Educate the public about all relevant disaster hazards and	38	Public	Local;	0	EMA Director	3/1/2022	3/1/2027
	,	vulnerabilities, protective actions, available services, vulnerable		Information	HSGP;			-, ,	-, , -
		populations and available assistance and other emergency			EMPG				
		procedures using a variety of means to include print and spoken							
		media, digital resources, and other appropriate local sources.							
Unchanged	County 6.4	Develop, utilize and maintain a communications plan with the	39	Public	Local;	0	EMA Director	3/1/2022	3/1/2027
		public to include mass media, social media, digital resources, and		Information	HSGP;				
		direct contact for emergency management information before,			EMPG				
		during, and after incidents that result from any hazard relevant to							
		Mercer County.			_				
Unchanged	County 6.5	Identify locations and establish agreements with owners for	40	Public	Local	0	EMA Director	3/1/2022	3/1/2027
		facilities to be used as community centers during evacuations,		Information					
		extended power outages, or other disasters for general community							
DUDKETTOW		use or shelters. as needed.							
BURKETTSVI		/ILL REDUCE DAMAGES FROM TORNADOES AND WINDSTORMS.							
	Burkettsville	Advocate for and support the construction of safe rooms for	1	Property	НМА	0	Mayor	3/1/2022	3/1/2027
_	1.1	vulnerable locations, including single and multi-family homes and	_	Protection				3, 1, 2022	3, 1, 2021
	1.1	neighborhoods without basements or shelters.		. Totalion					

	Mitigation				Funding	Est.			
Status	Action	Details	Priority	<b>Action Type</b>	Source	Cost	Project Lead	Start Date	End Date
Unchanged	Burkettsville	Implement a program to clear debris after severe wind and	2	Property	Local	0	Mayor	3/1/2022	3/1/2027
	1.2	flooding to keep crop fodder and debris out of water treatment		Protection					
		plants, sewers, and other infrastructure, and keep trasnportation							
		routes open after storms.							
Unchanged	Burkettsville	Maintain and enforce land use regulations (including zoning and	3	Prevention	Local	0	Mayor	3/1/2022	3/1/2027
	1.3	development regulations and construction codes) in an effort to							
		reduce storm damages to properties.							
Ongoing	Burkettsville	Advocate, support, and implement (on village-owned property),	4	Property	Local	0	Mayor	3/1/2022	3/1/2027
	1.4	the proper maintenance of trees and vegetation to reduce		Protection					
		damages caused by high winds or tornadoes.							
		ILL REDUCE DAMAGES FROM FLOODING.			_				
Unchanged	Burkettsville	Join NFIP and will support other federal flood mitigation programs	5	Prevention	Local	0	Mayor	3/1/2022	3/1/2027
	2.1	that help the county reduce losses attributable to flooding, and will							
		regularly review flood maps through a process of public							
		engagement to assure accuracy as necessary.							
Unchanged	Burkettsville	Maintain or replace, as needed, water control structures and	6	Structurally	Local	0	Mayor	3/1/2022	3/1/2027
Officialiged	2.2	systems, such as storm sewers, wastewater pumping stations,		Engineered	Local		iviayoi	3/1/2022	3/1/2027
	2.2	generators, water pumps, dams, and other structures that control		Liigiileereu					
		watershed and/or protect specific areas from flooding.							
Unchanged	Burkettsville	Clear village-maintained ditches of debris, sediment, and other	7	Natural	Local	0	Mayor	3/1/2022	3/1/2027
	2.3	obstructions that impede drainage and watershed.		Resource			,		
				Protection					
Unchanged	Burkettsville	Use federal and state grant programs to fund mitigation efforts,	8	Prevention	нма;	0	Mayor	3/1/2022	3/1/2027
	2.4	especially in flood mitigation and mitigation planning.			HSGP;				
					EMPG				
Ongoing	Burkettsville	Review and enforce existing land use regulations (zoning rules,	9	Property	Local	0	Mayor	3/1/2022	3/1/2027
	2.5	building codes) to facilitate appropriate development, especially in		Protection					
		areas with flood vulnerability.							
Unchanged	Burkettsville	Require the use of retention and detention ponds where new or	10	Structurally	Local	0	Mayor	3/1/2022	3/1/2027
	2.6	expanded construction, parking lots, streets, or other development		Engineered					
		may cause flooding to occur as a result of increased runoff or lack							
		of natural watershed process.							
Unchanged	Burkettsville	Utilize acquisition, demolition, and relocation programs for	11	Prevention	нма;	0	Mayor	3/1/2022	3/1/2027
	2.7	properties that suffer from repetitive flood damage or are			HSGP;				
		continuously damaged by all types of flooding.			EMPG			- 4: 1	- 4. 1
Unchanged	Burkettsville	Advocate that rtenants and property owners maintain appropriate	12	Prevention	Local	0	Mayor	3/1/2022	3/1/2027
	2.8	casualty insurance, including flood insurance where appropriate, as							
		mitigation against disaster losses.							

	Mitigation				Funding	Est.			
Status	Action	Details	Priority	Action Type	Source	Cost	Project Lead	Start Date	<b>End Date</b>
GOAL 3: BU	RKETTSVILLE W	ILL REDUCE DAMAGES FROM SEVERE STORMS, INCLUDING THUND	ERSTORN	IS AND WINTE	R STORMS		-		
Unchanged	Burkettsville	Expand and improve public warning and notification capability	13	Public	HSGP;	0	Mayor	3/1/2022	3/1/2027
	3.1	through additional or improved outdoor warning sirens,		Information	EMPG;				
		improvements to the software used in these systems, or enhanced			НМА				
		public education regarding warning and notification of protection							
		orders or warnings							
		ILL PROTECT AND IMPROVE INFRASTRUCTURE TO REDUCE DAMAGE	ES TO CRI	TICAL SYSTEM	<b>S.</b>				
Unchanged	Burkettsville	Encourage hardening of utilities through damage resistant	14	Prevention	Local	0	Mayor	3/1/2022	3/1/2027
	4.1	installation below grade, improvements to supply lines and							
		generations plants, and upgrade of substations and transformers.							
Unchanged	Burkettsville	Establish redundant suppliers of heating fuels, potable water, and	15	Property	НМА	0	Mayor	3/1/2022	3/1/2027
	4.2	other utility needs and will identify and facilitate availability and		Protection					
		proper use of generators as an alternate power source.							
New	Burkettsville	Maintain, repair, upgrade, and/or replace storm sewers,		Structurally	Local;	0	Mayor	3/1/2022	3/1/2027
	4.3	wastewater management systems, and associated structures, such		Engineered	HMA;				
		as curbs and stormwater basins.			Other				
New	Burkettsville	Improve and repair roadways, bridges, culverts, and other		Structurally	Local;	0	Mayor	3/1/2022	3/1/2027
	4.4	transportation infrastructure that is damaged by rapid runoff and		Engineered	нма;				
		heavy precipitation.			Other				
GOAL 5: BU	RKETTSVILLE W	ILL PRESERVE AND PROTECT NATURAL RESOURCES FROM THE EFFE	CTS OF W	IND AND WAT	ER.				
Unchanged	Burkettsville	Protect roadways from compromised structural integrity, washed	16	Structurally	HMA	0	Mayor	3/1/2022	3/1/2027
	5.1	away abutments and bridges, degraded berms, or other damage		Engineered					
		through stabilization and reinforcement techniques.							
Unchanged	Burkettsville	Encourage agricultural conservation processes that protect topsoil,	17	Natural	Local	0	Mayor	3/1/2022	3/1/2027
	5.2	slopes and waterway banks from wind or water erosion through		Resource					
		the use of windbreaks, filter strips, cover crops, grassy buffers, tree		Protection					
		lines, and other methods of preserving the soil.							
GOAL 6: BU	RKETTSVILLE W	│ /ILLPROVIDE THE PUBLIC WITH DISASTER INFORMATION TO SAVE LI	VES AND	PRESERVE PRO	PERTY FRO	OM ALI	TYPES OF HAZAI	RDS.	
Unchanged	Burkettsville	Develop, utilize and maintain a communications plan with the	18	Public	Local	0	Mayor	3/1/2022	3/1/2027
	6.1	public to include mass media, social media, digital resources, and		Information					
		direct contact for emergency management information before,							
		during, and after incidents that result from any hazard relevant to							
		Mercer County							

	Mitigation				Funding	Est.			
Status	Action	Details	Priority	<b>Action Type</b>	Source	Cost	Project Lead	Start Date	<b>End Date</b>
Unchanged	Burkettsville	Educate the public about all relevant disaster hazards and	19	Public	Local;	0	Mayor	3/1/2022	3/1/2027
	6.2	vulnerabilities, protective actions, available services, vulnerable		Information	HSGP;				
		populations and available assistance and other emergency			EMPG				
		procedures using a variety of means to include print and spoken							
		media, digital resources, and other appropriate local resources.							
		, , , , , , , , , , , , , , , , , , , ,							
CELINA						ı	1		
GOAL 1: CEL	INA WILL REDU	JCE DAMAGES FROM TORNADOES AND WINDSTORMS.							
Ongoing	Celina 1.1	Advocate and support, and implement on city-owned property, the	1	Property	Local	0	Safety Service	3/1/2022	3/1/2027
		proper maintenance of trees and vegetation to reduce damages		Protection			Director		
		caused by high winds or tornadoes.							
Ongoing	Celina 1.2	Maintain and enforce land use regulations (including zoning and	2	Prevention	Local	0	Safety Service	3/1/2022	3/1/2027
		development regulations and construction codes) in an effort to					Director		
		reduce storm damages to properties.							
Unchanged	Celina 1.3	Advocate for and support the construction of safe rooms for	3	Property	HMA	0	Fire Chief	3/1/2022	3/1/2027
		vulnerable locations, including single and multi-family homes and		Protection					
		neighborhoods without basements or shelters.							
Ongoing	Celina 1.4	Implement a program to clear debris after severe wind and	4	Property	Local	0	Safety Service	3/1/2022	3/1/2027
		flooding to keep crop fodder and debris out of water treatment		Protection			Director		
		plants, sewers, transportation routes, and other infrastructure, and							
		to keep roadways open and usable as soon as possible after							
		storms							
		TECT AND IMPROVE INFRASTRUCTURE TO REDUCE DAMAGES TO CR	1	STEMS.					
Unchanged	Celina 2.1	Celina will encourage the hardening of utilities through damage	5	Prevention	Local	0	Safety Service	3/1/2022	3/1/2027
		resistant installation below grade, improvements to supply lines					Director		
		and generations plants, and upgrade of substations and							
		transformers.							
Unchanged	Celina 2.2	Celina will establish redundant suppliers of heating fuels, potable	6	Natural	Local	0	Safety Service	3/1/2022	3/1/2027
		water, and other utility needs and will identify and facilitate		Resource			Director		
		availability and proper use of generators as an alternate power		Protection					
		source.							
New	Celina 2.3	Maintain, repair, upgrade, and/or replace storm sewers,		Structurally	Local;	0	Safety Service	3/1/2022	3/1/2027
		wastewater management systems, and associated structures, such		Engineered	HMA;		Director		
		as curbs and stormwater basins.			Other				
New	Celina 2.4	Ensure that high hazard and classified dams have appropriate		Property	Local	0	Safety Service	3/1/2022	3/1/2027
		emergency plans that identify inundation areas and facilitate		Protection			Director		
		emergency actions in the event of a failure.					_		
New	Celina 2.5	Maintain, repair, and replace dams and upground reservoirs that		Structurally	Local;	0	Safety Service	3/1/2022	3/1/2027
		are structurally compromised or place the public in danger during a		Engineered	HMA;		Director		
		structural failure.			Other				

	Mitigation				Funding	Est.			
Status	Action	Details	Priority	Action Type	Source	Cost	Project Lead	Start Date	<b>End Date</b>
New	Celina 2.6	Improve and repair roadways, bridges, culverts, and other		Structurally	Local;	0	Safety Service	3/1/2022	3/1/2027
		transportation infrastructure that is damaged by rapid runoff and		Engineered	нма;		Director		
		heavy precipitation.			Other				
New	Celina 2.7	Conduct appropriate studies (hydrology and hydraulics, storm		Property	Local;	0	Safety Service	3/1/2022	3/1/2027
		water and sewer, inundation, and others) to determine the root		Protection	нма;		Director		
		cause of flooding and water management issues and identify			Other				
		vulnerable populations and structures.							
New	Celina 2.8	Maintain, repair, upgrade, and/or replace water treatment and		Structurally	Local;	0	Safety Service	3/1/2022	3/1/2027
		distribution systems.		Engineered	нма;		Director		
		·			Other				
GOAL 3: CEL	LINA WILL REDI	UCE DAMAGES FROM SEVERE STORMS, INCLUDING THUNDERSTORN	IS AND V	WINTER STORM					
Complete	Celina 3.1	Celina will establish conservation procedures to be used during	7	Natural	Local	0	Safety Service		
		water emergencies or shortages due to drought or contamination.		Resource			Director		
				Protection					
Unchanged	Celina 3.2	Expand and improve public warning and notification capability	8	Public	Local;	0	Fire Chief	3/1/2022	3/1/2027
		through additional or improved outdoor warning sirens,		Information	EMPG;				
		improvements to the software used in these systems, or enhanced			HSGP				
		public education regarding warning and notification of protection							
Complete	Celina 3.3	orders or warnings. Celina will develop and implement a program to assist in the	9	Natural	Local	0	Safety Service		
Complete	Cellila 3.3		9		Local	U			
		removal of dead or diseased trees along waterways and roadways		Resource			Director		
		that have been affected by Emerald Ash Borer and other invasive		Protection					
Complete	Celina 3.4	species. Celina will develop, utilize and maintain a communications plan	10	Public	Local;	0	Fire Chief		
complete	Centra 3.4	with the public to include mass media, social media, digital	10	Information	EMPG;		THE CITE		
		resources, and direct contact for emergency management		inioi inideion	HSGP				
		information before, during, and after incidents that result from any			11301				
		hazard relevant to Mercer County.							
Complete	Celina 3.5	Celina will identify and establish locations to be used as community	11	Public	Local	0	Fire Chief		
		centers during extended power outages or extreme conditions.		Information					
GOAL 4: CEL	LINA WILL REDI	UCE DAMAGES FROM FLOODING.							
Ongoing	Celina 4.1	Participate in NFIP and other federal flood mitigation programs	12	Prevention	Local	0	Safety Service	3/1/2022	3/1/2027
		that help reduce losses attributable to flooding, and will regularly					Director		
		review flood maps through a process of public engagement to							
	1	assure accuracy as necessary.						<b> </b>	
Ongoing	Celina 4.2	Use federal and state grant programs to fund mitigation efforts,	13	Prevention	НМА	0	Safety Service	3/1/2022	3/1/2027
		especially in flood mitigation and mitigation planning.					Director		
	1		1	_1	1	l			

Unchanged Cel		Details  Maintain or replace, as needed, water control structures and systems, such as storm sewers, wastewater pumping stations, generators, water pumps, dams, and other structures that control watershed and/or protect specific areas from flooding.  Require the use of retention and detention ponds where new or expanded construction, parking lots, streets, or other development	Priority 14	Action Type Structurally Engineered	Source Local	Cost 0	Project Lead Safety Service Director	<b>Start Date</b> 3/1/2022	<b>End Date</b> 3/1/2027
J.		systems, such as storm sewers, wastewater pumping stations, generators, water pumps, dams, and other structures that control watershed and/or protect specific areas from flooding.  Require the use of retention and detention ponds where new or		-	Local	0		3/1/2022	3/1/2027
Ongoing Cel	elina 4.4	generators, water pumps, dams, and other structures that control watershed and/or protect specific areas from flooding.  Require the use of retention and detention ponds where new or	15	Engineered			Director		
Ongoing Cel	elina 4.4	watershed and/or protect specific areas from flooding.  Require the use of retention and detention ponds where new or	15						
Ongoing Cel	elina 4.4	Require the use of retention and detention ponds where new or	15						
Ongoing Cel	elina 4.4	·	15						
		expanded construction, parking lots, streets, or other development		Structurally	Local	0	Safety Service	3/1/2022	3/1/2027
		· · · · · · · · · · · · · · · · · · ·		Engineered			Director		
		may cause flooding to occur as a result of increased runoff or lack							
		of natural drainage.						- 1: 1	- 1: 1
Ongoing Cel	elina 4.5	Review and enforce existing land use regulations (zoning rules,	16	Property	Local	0	Fire Chief	3/1/2022	3/1/2027
		building codes) to facilitate wise development, especially in areas		Protection					
Unchanged Cel	elina 4.6	with flood vulnerability. Utilize acquisition, demolition, and relocation programs for	17	Prevention	НМА	0	Safety Service	3/1/2022	3/1/2027
officialized Cer		properties that suffer from repetitive loss or continuous damage	17	Frevention	IIIVIA	U	Director	3/1/2022	3/1/2027
		from all types of flooding.					Director		
Ongoing Cel	elina 4.7	Clear city-maintained ditches of debris, sediment, and other	18	Natural	Local	0	Safety Service	3/1/2022	3/1/2027
		obstructions that impede drainage.		Resource			Director	, ,	
		, ,		Protection					
Ongoing Cel	elina 4.8	Maintain dams and other water control structures to protect	19	Prevention	Local;	0	Safety Service	3/1/2022	3/1/2027
		people and properties from consequences of structural failure.			State		Director		
Unchanged Cel	elina 4.9	Participate in regional efforts to reduce vulnerability to flood	20	Prevention	Local	0	Safety Service	3/1/2022	3/1/2027
		damages through collaboration including the creation of wetlands					Director		
		and reduction in the use of phosphorus and nitrogen on lawns and							
		the resulting exacerbation of flood damages.							
Unchanged Cel	elina 4.10	Encourage the use of simple prevention measures including the use	21	Prevention	Local	0	Fire Chief	3/1/2022	3/1/2027
		of sandbags to prevent flooding.							
		IDE THE PUBLIC WITH DISASTER INFORMATION TO SAVE LIVES AND	1		1			2 / 1 / 2 2 2 2	- /: /
Unchanged Cel	elina 5.1	Educate the public about all relevant disaster hazards and	22	Public	Local;	0	Fire Chief	3/1/2022	3/1/2027
		vulnerabilities, protective actions, available services, vulnerable		Information	HMGP;				
		populations and available assistance and other emergency			EMPG				
		procedures using a variety of means to include print and spoken							
		media, digital resources, and other appropriate local resources.							
		ERVE AND PROTECT NATURAL RESOURCES FROM THE EFFECTS OF W							
Ongoing Cel		Protect beaches, shorelines, and riverbanks from wind, water and	23	Structurally	Local;	0	Safety Service	3/1/2022	3/1/2027
		other hazards that cause erosion or degradation through		Engineered	HMA		Director		
		stabilization techniques like lining with rip-rap or large stone.							

	Mitigation				Funding	Est.			
Status	Action	Details	Priority	<b>Action Type</b>	Source	Cost	Project Lead	Start Date	End Date
Ongoing	Celina 6.2	Protect roadways from compromised structural integrity, washed	24	Natural	Local	0	Safety Service	3/1/2022	3/1/2027
		away abutments and bridges, degraded berms, or other damage		Resource			Director		
		through stabilization and reinforcement techniques.		Protection					
CHICKASAW	ı		1						
GOAL 1: CH	ICKASAW WILL	REDUCE DAMAGES FROM TORNADOES AND WINDSTORMS.							
Ongoing	Chickasaw 1.1	Advocate, support, and implement (on village-owned property),	1	Property	Local	0	Mayor	3/1/2022	3/1/2027
		the proper maintenance of trees and vegetation to reduce		Protection					
		damages caused by high winds or tornadoes.							
Unchanged	Chickasaw 1.2	Advocate for and support the construction of safe rooms for	2	Property	HMA	0	Mayor	3/1/2022	3/1/2027
		vulnerable locations, including single and multi-family homes and		Protection					
		neighborhoods without basements or shelters.							
		PROTECT AND IMPROVE INFRASTRUCTURE TO REDUCE DAMAGES T			_				
Unchanged	Chickasaw 2.1	Establish redundant suppliers of heating fuels, potable water, and	3	Prevention	Local;	0	Mayor	3/1/2022	3/1/2027
		other utility needs and will identify and facilitate availability and			EMPG;				
		proper use of generators as an alternate power source.			HSGP				
Unchanged	Chickasaw 2.2	Encourage the hardening of utilities through damage resistant	4	Prevention	Local	0	Mayor	3/1/2022	3/1/2027
		installation below grade, improvements to supply lines and							
		generations plants, and upgrade of substations and transformers.							
New	Chickasaw 2.3	Maintain, repair, upgrade, and/or replace storm sewers,		Structurally	Local;	0	Mayor	3/1/2022	3/1/2027
		wastewater management systems, and associated structures, such		Engineered	HMA;				
		as curbs and stormwater basins.			Other				
New	Chickasaw 2.4	Improve and repair roadways, bridges, culverts, and other		Structurally	Local;	0	Mayor	3/1/2022	3/1/2027
		transportation infrastructure that is damaged by rapid runoff and		Engineered	HMA;				
		heavy precipitation.			Other				
New	Chickasaw 2.5	Maintain, repair, upgrade, and/or replace water treatment and		Structurally	Local;	0	Mayor	3/1/2022	3/1/2027
		distribution systems.		Engineered	HMA;				
					Other				
		PRESERVE AND PROTECT NATURAL RESOURCES FROM THE EFFECTS				_		2/4/2022	2 /4 /2027
Unchanged	Cnickasaw 3.1	Establish conservation procedures to be used during water	5	Natural	Local	0	Mayor	3/1/2022	3/1/2027
		emergencies or shortages due to drought or contamination.		Resource					
Dofor	Chickagow 2.2	Chickasaw will protect shorelines and riverbanks from wind, water	-	Protection	Locali	0	Mayor		
Defer	CHICKASAW 3.2		6	Natural	Local;	0	Mayor		
		and other hazards that cause erosion or degradation through		Resource	HMA				
1		stabilization techniques like lining with rip-rap or large stone.		Protection					

	Mitigation				Funding	Est.			
Status	Action	Details	Priority	<b>Action Type</b>	Source	Cost	Project Lead	Start Date	End Date
Unchanged	Chickasaw 3.3	Protect waterways to reduce wind damage through conservation	7	Natural	Local	0	Mayor	3/1/2022	3/1/2027
_		measures such as cover plants vegetation, grassy stream bottoms,		Resource					
		filter strips, buffers, and so forth.		Protection					
Unchanged		Encourage conservation processes that protect topsoil and slopes	8	Natural	Local	0	Mayor	3/1/2022	3/1/2027
		or banks from wind or water erosion through the use of		Resource					
		windbreaks, filter strips, cover crops, grassy buffers, tree lines, and		Protection					
		other methods of preserving the soil.							
Unchanged	Chickasaw 3.5	Protect roadways from compromised structural integrity, washed	9	Property	Local	0	Mayor	3/1/2022	3/1/2027
		away abutments and bridges, degraded berms, or other damage		Protection					
		through stabilization and reinforcement techniques.							
		REDUCE DAMAGES FROM SEVERE STORMS, INCLUDING THUNDERS	TORMS A	1	TORMS.				
Ongoing		Expand and improve public warning and notification capability	10	Public	Local;	0	Fire Chief	3/1/2022	3/1/2027
		through additional or improved outdoor warning sirens,		Information	EMGP;				
		improvements to the software used in these systems, or enhanced			HSGP				
		public education regarding warning and notification of protection							
Unchanged	Chickasaw 4.2	orders or warnings Identify and establish locations to be used as community centers	11	Public	Local	0	Fire Chief	3/1/2022	3/1/2027
Offichanged		during extended power outages or extreme conditions.	11	Information	Local		The Cine	3/1/2022	3/1/2027
		during extended power outages of extreme conditions.		IIIIOIIIIatioii					
Ongoing	Chickasaw 4.3	Educate the public about local digital warning and notification	12	Public	Local	0	Fire Chief	3/1/2022	3/1/2027
		systems that inform them of incoming severe weather and life-		Information					
		threatening incidents.							
Unchanged	Chickasaw 4.4	Develop and implement a program to assist in the removal of dead	13	Property	Local	0	Mayor	3/1/2022	3/1/2027
		or diseased trees along waterways and roadways that have been		Protection					
		affected by Emerald Ash Borer and other invasive species.							
GOAL 5: CHI	CKASAW WILL	REDUCE DAMAGES FROM FLOODING.							
Unchanged	Chickasaw 5.1	Join NFIP and support other federal flood mitigation programs that	14	Prevention	Local	0	Mayor	3/1/2022	3/1/2027
		help the county reduce losses attributable to flooding, and will							
		regularly review flood maps through a process of public							
		engagement to assure accuracy as necessary.							
Unchanged	Chickasaw 5.2	Use federal and state grant programs to fund mitigation efforts,	15	Prevention	нма;	0	Mayor	3/1/2022	3/1/2027
		especially in flood mitigation and mitigation planning.			EMPG;				
					HSGP				
Unchanged	Chickasaw 5.3	Review and enforce existing land use regulations (zoning rules,	16	Property	Local	0	Mayor	3/1/2022	3/1/2027
		building codes) to facilitate wise development, especially in areas		Protection					
		with flood vulnerability.							

	Mitigation				Funding	Est.			
Status	Action	Details	Priority	<b>Action Type</b>	Source	Cost	Project Lead	Start Date	End Date
Ongoing	Chickasaw 5.4	Clear village ditches of debris, sediment, and other obstructions	17	Property	Local	0	Mayor	3/1/2022	3/1/2027
		that impede drainage.		Protection					
Ongoing	Chickasaw 5.5	Participate in regional efforts to reduce vulnerability to flood	18	Natural	Local	0	Mayor	3/1/2022	3/1/2027
		damages through collaboration including the creation of wetlands		Resource					
		and reduction in the use of phosphorus and nitrogen on lawns and		Protection					
		the resulting exacerbation of flood damages.							
Unchanged	Chickasaw 5.6	Require the use of retention and detention ponds where new or	19	Structurally	НМА	0	Mayor	3/1/2022	3/1/2027
		expanded construction, parking lots, streets, or other development		Engineered					
		may cause flooding to occur as a result of increased runoff or lack							
	01.1	of natural watershed process.					5: Ol : f	2/4/2222	0 /4 /0 007
Unchanged	Chickasaw 5.7	Advocate that tenants and property owners maintain reasonable	20	Prevention	Local	0	Fire Chief	3/1/2022	3/1/2027
		property insurance, including flood insurance where appropriate,							
COVI 6: CHI	CKVEV/W/III	as mitigation against disaster losses.  PROVIDE THE PUBLIC WITH DISASTER INFORMATION TO SAVE LIVES	AND DD	ESERVE DRODE	DTV EDOM	 	DES OF HAZADO	2	
		Educate the public about all relevant disaster hazards and	21	Public	Local	0	Mayor	3/1/2022	3/1/2027
Offichariged	Cilickasaw 0.1	vulnerabilities, protective actions, available services, vulnerable	21	Information	Local		iviayoi	3/1/2022	3/1/2027
		populations and available assistance and other emergency		Illioilliation					
		procedures using a variety of means to include print and spoken							
		media, digital resources, and other appropriate local resources.							
		inicula, digital resources, and other appropriate local resources.							
COLDWATER	2								
GOAL 1: CO	DWATER WILL	REDUCE DAMAGES FROM FLOODING.							
Ongoing	Coldwater 1.1	Participate in NFIP and other federal flood mitigation programs	1	Prevention	Local	0	Village	3/1/2022	3/1/2027
		that help the county reduce losses attributable to flooding, and will					Administrator		
		regularly review flood maps through a process of public							
		engagement to assure accuracy as necessary.							
Ongoing	Coldwater 1.2	Use federal and state grant programs to fund mitigation efforts,	2	Prevention	Local	0	Village	3/1/2022	3/1/2027
		especially in flood mitigation and mitigation planning.					Administrator		
Ongoing	Coldwater 1.3	Review and enforce existing land use regulations (zoning rules,	3	Prevention	Local;	0	Village	3/1/2022	3/1/2027
		building codes) to facilitate wise development, especially in areas			ICC		Administrator		
Unchanged	Coldwater 1.4	with flood vulnerability.  Require the use of retention and detention ponds where new or	4	Structurally	Local;	0	Village	3/1/2022	3/1/2027
Toricilarigeu	Coldwater 1.4	expanded construction, parking lots, streets, or other development	_	Engineered	HMA		Administrator	3/ 1/ 2022	3/1/202/
		may cause flooding to occur as a result of increased runoff or lack		Liigineereu	IIIVIA		Administrator		
		of natural drainage.							
L	1	וטו וומנעומו עומווומצב.	l	1		l		1	

	Mitigation				Funding	Est.			
Status	Action	Details	Priority	<b>Action Type</b>	Source	Cost	Project Lead	Start Date	<b>End Date</b>
Defer	Coldwater 1.5	Coldwater will advocate that renters, landowners, and others	5	Property	Local;	0	Village		
		purchase and maintain reasonable casualty insurance, including		Protection	ICC		Administrator		
		flood insurance where appropriate, as mitigation against disaster							
		losses.							
Unchanged	Coldwater 1.6	Maintain or replace, as needed, water control structures and	6	Structurally	Local;	0	Village	3/1/2022	3/1/2027
		systems, such as storm sewers, wastewater pumping stations,		Engineered	State		Administrator		
		generators, water pumps, dams, and other structures that control							
		watershed and/or protect specific areas from flooding.							
Unchanged	Coldwater 1.7	Maintain dams and other water control structures to protect	7	Prevention	Local;	0	Village	3/1/2022	3/1/2027
		people and properties from consequences of structural failure.			State		Administrator		
Unchanged	Coldwater 1.8	Create vegetative buffer zones and restore natural habitat in low-	8	Structurally	Local;	0	Village	3/1/2022	3/1/2027
		lying areas to hold excess runoff until it naturally drains downstream.		Engineered	State		Administrator		
Unchanged	Coldwater 1.9	Participate in regional efforts to reduce vulnerability to flood	9	Natural	Local;	0	Village	3/1/2022	3/1/2027
		damages through collaboration including the creation of wetlands		Resource	ICC		Administrator		
		and reduction in the use of phosphorus and nitrogen on lawns and		Protection					
		the resulting exacerbation of flood damages.							
Unchanged	Coldwater	Utilize acquisition, demolition, and relocation programs for severe	10	Prevention	Local;	0	Village	3/1/2022	3/1/2027
		repetitive loss properties and those that suffer from ongoing			HMA		Administrator		
		damage from all types if flooding.							
		REDUCE DAMAGES FROM TORNADOES AND WINDSTORMS.							
Ongoing		Advocate, support, and implement (on village-owned property),	11	Property	Local	0	Village	3/1/2022	3/1/2027
		the proper maintenance of trees and vegetation to reduce		Protection			Administrator		
		damages caused by high winds or tornadoes.	40				\ e11	0.14.10.000	2/4/2027
Unchanged		Advocate for and support the construction of safe rooms for	12	Property	Local;	0	Village	3/1/2022	3/1/2027
		vulnerable locations, including single and multi-family homes and		Protection	НМА		Administrator		
0		neighborhoods without basements or shelters.	42	Daniel and a	1 1		\ (:11	2/4/2022	2/4/2027
Ongoing		Maintain and enforce land use regulations (including zoning and	13	Property	Local;	0	Village	3/1/2022	3/1/2027
		development regulations and construction codes) in an effort to		Protection	ICC		Administrator		
Unchanged	Coldwater 2.4	reduce storm damages to properties.	14	Droporty	Local	0	Village	3/1/2022	2/1/2027
onchanged		Implement a program to clear debris after severe wind and	14	Property	Local	U	"	3/1/2022	3/1/2027
		flooding to keep crop fodder and debris out of water treatment		Protection			Administrator		
		plants, sewers, transportation routes, and other infrastructure, and							
		to keep roadways open and usable as soon as possible after							
COVI 3: COI	DWATED WILL	storms. PROTECT AND IMPROVE INFRASTRUCTURE TO REDUCE DAMAGES	TO CRITIC	AL CVCTERAC					

	Mitigation				Funding	Est.			
Status	Action	Details	Priority	Action Type	Source	Cost	Project Lead	Start Date	End Date
Unchanged	Coldwater 3.1	Coldwater will encourage the hardening of utilities through	15	Property	Local	0	Village	3/1/2022	3/1/2027
		damage resistant installation below grade, improvements to supply		Protection			Administrator		
		lines and generations plants, and upgrade of substations and							
		transformers.							
Unchanged		Coldwater will establish redundant suppliers of heating fuels,	16	Property	Local	0	Village	3/1/2022	3/1/2027
		potable water, and other utility needs and will identify and		Protection			Administrator		
		facilitate availability and proper use of generators as an alternate							
		power source.						- / - /	
New		Maintain, repair, upgrade, and/or replace storm sewers,		Structurally	Local;	0	Village	3/1/2022	3/1/2027
		wastewater management systems, and associated structures, such		Engineered	HMA;		Administrator		
New		as curbs and stormwater basins.  Maintain, repair, and replace dams and upground reservoirs that		Structurally	Other	0	Village	3/1/2022	3/1/2027
New		are structurally compromised or place the public in danger during a		Engineered	Local; HMA;	U	Administrator	3/1/2022	3/1/202/
		structural failure.		Engineereu	Other		Auministrator		
New		Improve and repair roadways, bridges, culverts, and other		Structurally	Local;	0	Village	3/1/2022	3/1/2027
11011		transportation infrastructure that is damaged by rapid runoff and		Engineered	HMA;		Administrator	3, 1, 2022	3, 1, 202,
		heavy precipitation.		Liigiiiceica	Other		, tarriirii strator		
New		Conduct appropriate studies (hydrology and hydraulics, storm		Property	Local;	0	Village	3/1/2022	3/1/2027
		water and sewer, inundation, and others) to determine the root		Protection	HMA;		Administrator		
		cause of flooding and water management issues and identify			Other				
		vulnerable populations and structures.							
New	Coldwater 3.7	Maintain, repair, upgrade, and/or replace water treatment and		Structurally	Local;	0	Village	3/1/2022	3/1/2027
		distribution systems.		Engineered	HMA;		Administrator		
		,			Other				
GOAL 4: COI	LDWATER WILL	REDUCE DAMAGES FROM SEVERE STORMS, INCLUDING THUNDERS	STORMS	AND WINTER S	TORMS.				
Complete	Coldwater 4.1	Coldwater will expand and improve its public warning and	17	Public	Local;	0	Fire Chief		
		notification capability through additional or improved outdoor		Information	HSGP;				
		warning sirens, improvements to the software used in these			EMPG				
		systems, or enhanced public education regarding warning and							
		notification of protection orders or warnings.		_					
Complete	Coldwater 4.2	Coldwater will develop and implement a program to assist in the	18	Property	Local	0	Village		
		removal of dead or diseased trees along waterways and roadways		Protection			Administrator		
		that have been affected by Emerald Ash Borer and other invasive species.							
Complete	Coldwater 4.3	Coldwater will educate the public about local digital warning and	19	Public	Local;	0	Fire Chief		
		notification systems that inform them of incoming severe weather		Information	HSGP;	_			
		and life-threatening incidents.			EMPG				

	Mitigation				Funding	Est.			
Status	Action	Details	Priority	<b>Action Type</b>	Source	Cost	Project Lead	Start Date	End Date
Unchanged	Coldwater 4.4	Identify and establish locations to be used as community centers	20	Public	Local;	0	Fire Chief	3/1/2022	3/1/2027
		during extended power outages or extreme conditions.		Information	Other				
		PROVIDE THE PUBLIC WITH DISASTER INFORMATION TO SAVE LIVE	1	1	1		1	1	
Ongoing	Coldwater 5.1	Educate the public about all relevant disaster hazards and	21	Public	Local;	0	Fire Chief	3/1/2022	3/1/2027
		vulnerabilities, protective actions, available services, vulnerable		Information	HSGP;				
		populations and available assistance and other emergency			EMPG				
		procedures using a variety of means to include print and spoken							
		media, digital resources, and other appropriate local resources.							
GOAL 6: COI	LDWATER WILL	PRESERVE AND PROTECT NATURAL RESOURCES FROM THE EFFECTS	S OF WIN	D AND WATER					
Ongoing	Coldwater 6.1	Protect shorelines and riverbanks from wind, water and other	22	Natural	Local	0	Village	3/1/2022	3/1/2027
		hazards that cause erosion or degradation through stabilization		Resource			Administrator		
		techniques like lining with rip-rap or large stone.		Protection					
Complete	Coldwater 6.2	Coldwater will establish conservation procedures to be used during	23	Natural	Local;	0	Village		
Complete	colawater olz	water emergencies or shortages due to drought or contamination.		Resource	State	Ŭ	Administrator		
		water emergences of shortages due to drought or contamination.		Protection	State		Administrator		
FORT RECOV	/ERY			rrotection					
GOAL 1: FOR	RT RECOVERY V	VILL REDUCE DAMAGES FROM FLOODING.							
Unchanged	Ft Recovery	Utilize acquisition, demolition, and relocation programs for severe	1	Prevention	Local;	0	Village	3/1/2022	3/1/2027
	1.1	repetitive loss properties that suffer from repeated damage from			HMA		Administrator		
		all types of fooding.							
Unchanged	Ft Recovery	Maintain or replace, as needed, water control structures and	2	Structurally	Local;	0	Village	3/1/2022	3/1/2027
	1.2	systems, such as storm sewers, wastewater pumping stations,		Engineered	State;		Administrator		
		generators, water pumps, dams, and other structures that control			ICC				
		watershed and/or protect specific areas from flooding.							
Ongoing	Ft Recovery	Participate in NFIP and other federal flood mitigation programs	3	Prevention	Local	0	Village	3/1/2022	3/1/2027
	1.3	that help the county reduce losses attributable to flooding, and will					Administrator	. ,	
		regularly review flood maps through a process of public							
		engagement to assure accuracy as necessary.							
			_				) all	0/4/2222	0/4/2225
Ongoing	Ft Recovery	Use federal and state grant programs to fund mitigation efforts,	4	Prevention	Local;	0	Village	3/1/2022	3/1/2027
	1.4	especially in flood mitigation and mitigation planning.			НМА		Administrator		
Unchanged	Ft Recovery	Advocate that tenants and property owners maintain reasonable	5	Prevention	Local;	0	Village	3/1/2022	3/1/2027
	1.5	casualty insurance, including flood insurance where appropriate, as			ICC		Administrator		
		mitigation against disaster losses.							

	Mitigation				Funding	Est.			
Status	Action	Details	Priority	Action Type	Source	Cost	Project Lead	Start Date	End Date
Ongoing	Ft Recovery	Review and enforce existing land use regulations (zoning rules,	6	Prevention	Local;	0	Village	3/1/2022	3/1/2027
	1.6	building codes) to facilitate wise development, especially in areas			ICC		Administrator		
		with flood vulnerability.							
Ongoing	Ft Recovery	Require the use of retention and detention ponds where new or	7	Structurally	State;	0	Village	3/1/2022	3/1/2027
	1.7	expanded construction, parking lots, streets, or other development		Engineered	НМА		Administrator		
		may cause flooding to occur as a result of increased runoff or lack							
		of natural drainage.							
Unchanged	Ft Recovery	Maintain dams and other water control structures to protect	8	Property	Local;	0	Village	3/1/2022	3/1/2027
	1.8	people and properties from consequences of structural failure.		Protection	State		Administrator		
Unchanged	Ft Recovery	Utilize elevation to protect critical infrastructure and property from	9	Property	Local;	0	Village	3/1/2022	3/1/2027
	1.9	flooding, and identify methods to prevent hazardous materials and		Protection	НМА		Administrator		
		other industrial equipment from endangering residents during							
		flooding.							
Ongoing	Ft Recovery	Remove debris and obstructions from village-owned waterways.	10	Property	Local	0	Village	3/1/2022	3/1/2027
	1.10			Protection			Administrator		
Unchanged	Ft Recovery	Participate in regional efforts to reduce vulnerability to flood	11	Natural	Local;	0	Village	3/1/2022	3/1/2027
	1.11	damages through collaboration including the creation of wetlands		Resource	ICC		Administrator		
		and reduction in the use of phosphorus and nitrogen on lawns and		Protection					
		the resulting exacerbation of flood damages.							
Unchanged	Ft Recovery	Create buffer zones and restore natural habitat in low-lying areas	12	Natural	Local;	0	Village	3/1/2022	3/1/2027
	1.12	to hold excess runoff until it naturally drains downstream.		Resource	State		Administrator		
				Protection					
Unchanged	Ft Recovery	Inform residents of and facilitate the use of simple prevention	13	Property	Local	0	Village	3/1/2022	3/1/2027
	1.13	measures including the use of sand bags during severe storms.		Protection			Administrator		
GOAL 2: FO	RT RECOVERY F	REDUCE DAMAGES FROM TORNADOES AND WINDSTORMS.						3/1/2022	3/1/2027
Ongoing	Ft Recovery	Advocate and support, and implement on village-owned property,	14	Property	Local	0	Village	3/1/2022	3/1/2027
	2.1	the proper maintenance of trees and vegetation to reduce		Protection			Administrator		
		damages caused by high winds or tornadoes.							
Unchanged	Ft Recovery	Advocate for and support the construction of safe rooms for	15	Property	Local;	0	Village	3/1/2022	3/1/2027
	2.2	vulnerable locations, including single and multi-family homes and		Protection	НМА		Administrator		
		neighborhoods without basements or shelters.							
Ongoing	Ft Recovery	Maintain and enforce land use regulations (including zoning and	16	Prevention	Local;	0	Village	3/1/2022	3/1/2027
	2.3	development regulations and construction codes) in an effort to			ICC		Administrator		
		reduce storm damages to properties.							

	Mitigation				Funding	Est.			
Status	Action	Details	Priority	<b>Action Type</b>	Source	Cost	Project Lead	Start Date	End Date
Unchanged	Ft Recovery	Implement a program to clear debris after severe wind and	17	Property	Local	0	Village	3/1/2022	3/1/2027
	2.4	flooding to keep crop fodder and debris out of water treatment		Protection			Administrator		
		plants, sewers, transportation routes, and other infrastructure, and							
		to keep roadways open and usable as soon as possible after							
		storms.							
	1	NILL PROTECTAND IMPROVE INFRASTRUCTURE TO REDUCE DAMAG	1		1			- 1 - 1	- /- /
Unchanged	Ft Recovery	Establish redundant suppliers of heating fuels, potable water, and	18	Property	Local;	0	Village	3/1/2022	3/1/2027
	3.1	other utility needs and will identify and facilitate availability and		Protetion	ICC		Administrator		
		proper use of generators as an alternate power source.							
Unchanged	Ft Recovery	Encourage the hardening of utilities through damage resistant	19	Property	Local;	0	Village	3/1/2022	3/1/2027
	3.2	installation below grade, improvements to supply lines and		Protetion	ICC		Administrator		
		generations plants, and upgrade of substations and transformers.							
New	Ft Recover	Maintain, repair, upgrade, and/or replace storm sewers,		Structurally	Local;	0	Village	3/1/2022	3/1/2027
	3.3	wastewater management systems, and associated structures, such		Engineered	нма;		Administrator		
		as curbs and stormwater basins.			Other				
New	Ft Recovery	Maintain, repair, and replace dams and upground reservoirs that		Structurally	Local;	0	Village	3/1/2022	3/1/2027
	3.4	are structurally compromised or place the public in danger during a		Engineered	HMA;		Administrator		
		structural failure.			Other				
New	Ft Recovery	Improve and repair roadways, bridges, culverts, and other		Structurally	Local;	0	Village	3/1/2022	3/1/2027
	3.5	transportation infrastructure that is damaged by rapid runoff and		Engineered	HMA;		Administrator		
	5. S	heavy precipitation.		G	Other		\ ett	2/4/2222	2/4/2027
New	Ft Recovery	Maintain, repair, upgrade, and/or replace water treatment and		Structurally	Local;	0	Village	3/1/2022	3/1/2027
	3.6	distribution systems.		Engineered	HMA;		Administrator		
GOAL 4: FOR	OT DECOVEDY W	WILL PRESERVE AND PROTECT NATURAL RESOURCES FROM THE EFFI	ECTS OF V		Other				
	Ft Recovery	Protect shorelines and riverbanks from wind, water and other	20	Natural	Local;	0	Village	3/1/2022	3/1/2027
Onenangea	4.1	hazards that cause erosion or degradation through stabilization	20	Resource	ICC		Administrator	3/1/2022	3, 1, 202,
	7.1	techniques like lining with rip-rap or large stone.		Protection	100		, tarring tracer		
		teeriniques like liming with rip-rap of large stone.		Trotection					
Unchanged	Ft Recovery	Encourage conservation processes that protect topsoil and slopes	21	Natural	Local;	0	Village	3/1/2022	3/1/2027
	4.2	or banks from wind or water erosion through the use of		Resource	State;		Administrator		
		windbreaks, filter strips, cover crops, grassy buffers, tree lines, and		Protection	ICC				
		other methods of preserving the soil.							
Unchanged	Ft Recovery	Establish conservation procedures to be used during water	22	Natural	Local;	0	Village	3/1/2022	3/1/2027
	4.3	emergencies or shortages due to drought or contaminated water		Resource	ICC		Administrator		
		supplies.		Protection					

	Mitigation				Funding	Est.			
Status	Action	Details	Priority	<b>Action Type</b>	Source	Cost	Project Lead	Start Date	End Date
Ongoing	Ft Recovery	Protect roadways vulnerable to compromised structure integrity,	23	Property	Local;	0	Village	3/1/2022	3/1/2027
	4.4	damaged berms, washed away foundations or abutments, or other		Protection	State		Administrator		
		deterioration due to severe storms.							
<b>GOAL 5: FOR</b>	RT RECOVERY V	VILL REDUCE DAMAGES FROM SEVERE STORMS, INCLUDING THUND	ERSTORN	<b>IS AND WINT</b>	R STORMS	s.			
Ongoing	Ft Recovery	Expand and improve its public warning and notification capability	24	Public	Local;	0	Village		
	5.1	through additional or improved outdoor warning sirens,		Information	EMPG;		Administrator		
		improvements to the software used in these systems, or enhanced			HSGP				
		public education regarding warning and notification of protection							
		orders or warnings.							
Complete	Ft Recovery	Fort Recovery will develop and implement a program to assist in	25	Property	Local;	0	Mayor	3/1/2022	3/1/2027
	5.2	the removal of dead or diseased trees along waterways and		Protection	ICC				
		roadways that have been affected by Emerald Ash Borer and other							
		invasive species.							
Ongoing	Ft Recovery	Educate the public about local digital warning and notification	26	Public	Local;	0	Village	3/1/2022	3/1/2027
	5.3	systems that inform them of incoming severe weather and life-		Information	HSGP;		Administrator		
		threatening incidents.			EMPG				
Unchanged	Ft Recovery	Identify and establish locations to be used as community centers	27	Public	Local;	0	Village	3/1/2022	3/1/2027
	5.4	during extended power outages or extreme conditions.		Information	Other		Administrator		
GOAL 6: FOR	RT RECOVERY V	VILL PROVIDE THE PUBLIC WITH DISASTER INFORMATION TO SAVE	LIVES AND	PRESERVE PR	ROPERTY FI	ROM A	LL TYPES OF HAZ	ARDS.	
Unchanged	Ft Recovery	Educate the public about all relevant disaster hazards and	28	Public	Local;	0	Village	3/1/2022	3/1/2027
	6.1	vulnerabilities, protective actions, available services, vulnerable		Information	HSGP;		Administrator		
		populations and available assistance and other emergency			EMPG				
		procedures using a variety of means to include print and spoken							
		media, digital resources, and other appropriate local resources.							
MENDON									
GOAL 1: ME	NDON WILL RE	DUCE DAMAGES FROM TORNADOES AND WINDSTORMS.							
Ongoing	Mendon 1.1	Advocate and support, and implement on village-owned property,	1	Property	Local	0	Mayor	3/1/2022	3/1/2027
		the proper maintenance of trees and vegetation to reduce		Protection					
		damages caused by high winds or tornadoes.							
Unchanged	Mendon 1.2	Advocate for and support the construction of safe rooms for	2	Property	Local;	0	Mayor	3/1/2022	3/1/2027
		vulnerable locations, including single and multi-family homes and		Protection	НМА				
		neighborhoods without basements or shelters.							
Unchanged	Mendon 1.3	Maintain and enforce land use regulations (including zoning and	3	Prevention	Local	0	Mayor	3/1/2022	3/1/2027
		development regulations and construction codes) in an effort to							
		reduce storm damages to properties.				<u></u> _			

	Mitigation				Funding	Est.			
Status	Action	Details	Priority	<b>Action Type</b>	Source	Cost	Project Lead	Start Date	End Date
Unchanged	Mendon 1.4	Implement a program to clear both urban and rural areas of debris	4	Property	Local	0	Mayor	3/1/2022	3/1/2027
		after severe wind and flooding to keep crop fodder and debris out		Protection					
		of water treatment plants, sewers, transportation routes, and							
		other infrastructure, and to keep roadways open and usable as							
		soon as possible after storms.							
GOAL 2: ME	NDON WILL PR	LOTECT AND IMPROVE INFRASTRUCTURE TO REDUCE DAMAGES TO	CRITICAL	SYSTEMS.					
Ongoing	Mendon 2.1	Encourage the hardening of utilities through damage resistant	5	Property	Local;	0	Mayor	3/1/2022	3/1/2027
		installation below grade, improvements to supply lines and		Protection	ICC;		-		
		generations plants, and upgrade of substations and transformers.			Other				
	_								
Unchanged	Mendon 2.2	Establish redundant suppliers of heating fuels, potable water, and	6	Property	Local	0	Mayor	3/1/2022	3/1/2027
		other utility needs and will identify and facilitate availability and		Protection					
		proper use of generators as an alternate power source.							
New	Mendon 2.3	Maintain, repair, upgrade, and/or replace storm sewers,		Structurally	Local;	0	Mayor	3/1/2022	3/1/2027
		wastewater management systems, and associated structures, such		Engineered	нма;		-		
		as curbs and stormwater basins.			Other				
New	Mendon 2.4	Improve and repair roadways, bridges, culverts, and other		Structurally	Local;	0	Mayor	3/1/2022	3/1/2027
		transportation infrastructure that is damaged by rapid runoff and		Engineered	нма;				
		heavy precipitation.			Other			- / - /	
New	Mendon 2.5	Maintain, repair, upgrade, and/or replace water treatment and		Structurally	Local;	0	Mayor	3/1/2022	3/1/2027
		distribution systems.		Engineered	HMA;				
GOAL 3: ME	NDON WILL RE	DUCE DAMAGES FROM SEVERE STORMS, INCLUDING THUNDERSTO	ORMS ANI	WINTER STO	Other RMS				
Ongoing	Mendon 3.1	Educate the public about local digital warning and notification	7	Public	Local	0	Fire Chief	3/1/2022	3/1/2027
		systems that inform them of incoming severe weather and life-		Information					
		threatening incidents.							
Unchanged	Mendon 3.2	Expand and improve its public warning and notification capability	8	Public	Local;	0	Fire Chief	3/1/2022	3/1/2027
		through additional or improved outdoor warning sirens,		Information	HSGP;				
		improvements to the software used in these systems, or enhanced			EMPG				
		public education regarding warning and notification of protection							
l la abaa a al	Mandan 2 2	orders or warnings	0	Dublic	Lasali		China China	2/4/2022	2/4/2027
Unchanged	Mendon 3.3	Identify and establish locations to be used as community centers	9	Public	Local;	0	Fire Chief	3/1/2022	3/1/2027
		during extended power outages or extreme conditions.		Information	Other				
Unchanged	Mendon 3.4	Develop and implement a program to assist in the removal of dead	10	Property	Local;	0	Mayor	3/1/2022	3/1/2027
		or diseased trees along waterways and roadways that have been		Protection	ICC				
		affected by Emerald Ash Borer and other invasive species.							

	Mitigation				Funding	Est.			
Status	Action	Details	Priority	Action Type	Source	Cost	Project Lead	Start Date	<b>End Date</b>
GOAL 4: ME	NDON WILL RE	DUCE DAMAGES FROM FLOODING.	-						
Ongoing	Mendon 4.1	Participate in NFIP and other federal flood mitigation programs	11	Prevention	Local	0	Mayor	3/1/2022	3/1/2027
		that help the county reduce losses attributable to flooding, and will							
		regularly review flood maps through a process of public							
		engagement to assure accuracy as necessary.							
Unchanged	Mendon 4.2	Maintain or replace, as needed, water control structures and	12	Structurally	Local;	0	Myaor	3/1/2022	3/1/2027
		systems, such as storm sewers, wastewater pumping stations,		Engineered	State;		,	, ,	
		generators, water pumps, dams, and other structures that control			icc				
		watershed and/or protect specific areas from flooding.							
Unchanged	Mendon 4.3	Use federal and state grant programs to fund mitigation efforts,	13	Property	Local	0	Mayor	3/1/2022	3/1/2027
		especially in flood mitigation and mitigation planning.		Protection					
Ongoing	Mendon 4.4	Review and enforce existing land use regulations (zoning rules,	14	Prevention	Local	0	Mayor	3/1/2022	3/1/2027
		building codes) to facilitate wise development, especially in areas							
		with flood vulnerability.							
Unchanged	Mendon 4.5	Advocate that tenants and property owners maintain reasonable	15	Property	Local;	0	Mayor	3/1/2022	3/1/2027
		casualty insurance, including flood insurance where appropriate, as		Protection	ICC				
		mitigation against disaster losses.							
Unchanged	Mendon 4.6	Utilize acquisition, demolition, and relocation programs for severe	16	Prevention	Local;	0	Mayor	3/1/2022	3/1/2027
		repetitive loss properties that have repeated or extremely severe			НМА				
		damage from all types of flooding.	4-7					2/4/2022	2/4/2027
Unchanged	Mendon 4.7	Remove debris and obstructions from village-owned waterways.	17	Property	Local	0	Mayor	3/1/2022	3/1/2027
Complete	Mendon 4.8	Mendon will create buffer zones and restore natural habitat in low-	18	Protection Natural	Local;	0	Mayor		
Complete	Mendon 4.8		10		·	U	iviayor		
		lying areas to hold excess runoff until it naturally drains		Resource	State; HMA				
GOAL 5: ME	NDON WILL PE	downstream. ROVIDE THE PUBLIC WITH DISASTER INFORMATION TO SAVE LIVES A	ND PRESI	Protection  RVF PROPERT		I TYPE	S OF HAZARDS		
	Mendon 5.1	Educate the public about all relevant disaster hazards and	19	Public	Local;		Mayor	3/1/2022	3/1/2027
011011011600		vulnerabilities, protective actions, available services, vulnerable		Information	State;	Ů		0, 2, 2022	3, 2, 232.
		populations and available assistance and other emergency		ormacion	EMPG;				
		procedures using a variety of means to include print and spoken			HSGP				
		media, digital resources, and other appropriate local resources.							
GOAL 6: ME	NDON WILL PF	 RESERVE AND PROTECT NATURAL RESOURCES FROM THE EFFECTS OF	WIND A	ND WATER.					
Unchanged	Mendon 6.1	Protect roadways vulnerable to compromised structure integrity,	20	Property	Local;	0	Mayor	3/1/2022	3/1/2027
		damaged berms, washed away foundations or abutments, or other		Protection	State				
		deterioration due to severe storms.							

Mitigation				Funding	Est.			
Action	Details	Priority	Action Type	Source	Cost	Project Lead	Start Date	End Date
Mendon 6.2	Establish conservation procedures to be used during water	21	Natural	Local;	0	Mayor	3/1/2022	3/1/2027
	emergencies or shortages due to drought or contaminated water		Resource	State;				
	supplies.		Protection	ICC				
A								
NTEZUMA WII	LL REDUCE DAMAGES FROM TORNADOES AND WINDSTORMS.							
Montezuma	Maintain and enforce land use regulations (including zoning and	1	Prevention	Local;	0	Mayor	3/1/2022	3/1/2027
1.1	development regulations and construction codes) in an effort to			ICC				
	reduce storm damages to properties.							
Montezuma	Advocate and support, and implement on village-owned property,	2	Property	Local	0	Mayor	3/1/2022	3/1/2027
1.2	the proper maintenance of trees and vegetation to reduce		Protection					
	damages caused by high winds or tornadoes.							
Montezuma	Advocate for and support the construction of safe rooms for	3	Property	Local;	0	Mayor	3/1/2022	3/1/2027
1.3	vulnerable locations, including single and multi-family homes and		Protection	HMA				
Montezuma	Implement a program to clear both urban and rural areas of debris	4	Property	Local	0	Mayor	3/1/2022	3/1/2027
1.4	after severe wind and flooding to keep crop fodder and debris out		Protection					
	of water treatment plants, sewers, transportation routes, and							
	other infrastructure, and to keep roadways open and usable as							
	soon as possible after storms.							
NTEZUMA WII	LL REDUCE DAMAGES FROM FLOODING.							
Montezuma	Participate in NFIP and other federal flood mitigation programs	5	Prevention	Local	0	Mayor	3/1/2022	3/1/2027
2.1	that help the county reduce losses attributable to flooding, and will							
	regularly review flood maps through a process of public							
	engagement to assure accuracy as necessary.							
Montezuma	Montezuma will properly maintain dams and other water control	6	Structurally	Local;	0	Mayor		
2.2			Engineered	ICC				
			0 11 11					
Montezuma	Maintain or replace, as needed, water control structures and	7	Structurally	Local;	0	Mayor	3/1/2022	3/1/2027
2.3	systems, such as storm sewers, wastewater pumping stations,		Engineered	State;				
	1 -			ICC				
	watershed and/or protect specific areas from flooding.							
Montezuma	Use federal and state grant programs to fund mitigation efforts.	8	Property	Local	0	Mayor	3/1/2022	3/1/2027
2.4	especially in flood mitigation and mitigation planning.		Protection			,		, ,
	Action Mendon 6.2  A NTEZUMA WII Montezuma 1.1 Montezuma 1.3 Montezuma 1.4  NTEZUMA WII Montezuma 2.1  Montezuma 2.1  Montezuma 2.2  Montezuma 2.3  Montezuma	Action Details  Mendon 6.2 Establish conservation procedures to be used during water emergencies or shortages due to drought or contaminated water supplies.  A NTEZUMA WILL REDUCE DAMAGES FROM TORNADOES AND WINDSTORMS.  Montezuma Maintain and enforce land use regulations (including zoning and development regulations and construction codes) in an effort to reduce storm damages to properties.  Montezuma Advocate and support, and implement on village-owned property, the proper maintenance of trees and vegetation to reduce damages caused by high winds or tornadoes.  Montezuma Advocate for and support the construction of safe rooms for vulnerable locations, including single and multi-family homes and neighborhoods without basements or shelters.  Montezuma Implement a program to clear both urban and rural areas of debris after severe wind and flooding to keep crop fodder and debris out of water treatment plants, sewers, transportation routes, and other infrastructure, and to keep roadways open and usable as soon as possible after storms.  NTEZUMA WILL REDUCE DAMAGES FROM FLOODING.  Montezuma Participate in NFIP and other federal flood mitigation programs that help the county reduce losses attributable to flooding, and will regularly review flood maps through a process of public engagement to assure accuracy as necessary.  Montezuma Montezuma will properly maintain dams and other water control structures to protect people and properties from consequences of structural failure.  Montezuma Maintain or replace, as needed, water control structures and systems, such as storm sewers, wastewater pumping stations, generators, water pumps, dams, and other structures that control watershed and/or protect specific areas from flooding.	Action Details Priority  Mendon 6.2 Establish conservation procedures to be used during water emergencies or shortages due to drought or contaminated water supplies.  A  **NTEZUMA WILL REDUCE DAMAGES FROM TORNADOES AND WINDSTORMS.**  Montezuma Maintain and enforce land use regulations (including zoning and development regulations and construction codes) in an effort to reduce storm damages to properties.  Montezuma Advocate and support, and implement on village-owned property, the proper maintenance of trees and vegetation to reduce damages caused by high winds or tornadoes.  Montezuma Advocate for and support the construction of safe rooms for vulnerable locations, including single and multi-family homes and neighborhoods without basements or shelters.  Montezuma Indicate transportation routes, and other infrastructure, and to keep crop fodder and debris out of water treatment plants, sewers, transportation routes, and other infrastructure, and to keep roadways open and usable as soon as possible after storms.  **NTEZUMA WILL REDUCE DAMAGES FROM FLOODING.**  Montezuma Participate in NFIP and other federal flood mitigation programs that help the county reduce losses attributable to flooding, and will regularly review flood maps through a process of public engagement to assure accuracy as necessary.  Montezuma Montezuma Will properly maintain dams and other water control structures to protect people and properties from consequences of structural failure.  Montezuma Maintain or replace, as needed, water control structures and systems, such as storm sewers, wastewater pumping stations, generators, water pumps, dams, and other structures that control watershed and/or protect specific areas from flooding.  Montezuma Use federal and state grant programs to fund mitigation efforts, 8	Action         Details         Priority         Action Type           Mendon 6.2         Establish conservation procedures to be used during water emergencies or shortages due to drought or contaminated water supplies.         21         Natural Resource Protection           A         NTEZUMA WILL REDUCE DAMAGES FROM TORNADOES AND WINDSTORMS.         Natural Resource Protection           Montezuma         Maintain and enforce land use regulations (including zoning and development regulations and construction codes) in an effort to reduce storm damages to properties.         1         Prevention           Montezuma         Advocate and support, and implement on village-owned property, the proper maintenance of trees and vegetation to reduce damages caused by high winds or tornadoes.         2         Property Protection           Montezuma         Advocate for and support the construction of safe rooms for vulnerable locations, including single and multi-family homes and neighborhoods without basements or shelters.         3         Property Protection           Montezuma         Implement a program to clear both urban and rural areas of debris after severe wind and flooding to keep crop fodder and debris out of water treatment plants, sewers, transportation routes, and other infrastructure, and to keep roadways open and usable as soon as possible after storms.         5         Property Protection           NTEZUMA WILL REDUCE DAMAGES FROM FLOODING.         Amontezuma Participate in NFIP and other federal flood mitigation programs that help the county reduce losses attributable to flooding, and will regularly review flood ma	Action         Details         Priority         Action Type         Source           Mendon 6.2         Establish conservation procedures to be used during water emergencies or shortages due to drought or contaminated water supplies.         21         Natural Resource State; Resource Protection         State; Resource Protection         State; Resource Protection         State; Resource Protection         Inc.           A Maintain and enforce land use regulations (including zoning and development regulations and construction codes) in an effort to reduce storm damages to properties.         1         Prevention Prevention Local; ICC         Local; ICC           Montezuma         Advocate and support, and implement on village-owned property, the proper maintenance of trees and vegetation to reduce damages caused by high winds or tornadoes.         2         Property Protection         Local           Montezuma         Advocate for and support the construction of safe rooms for vulnerable locations, including single and multi-family homes and neighborhoods without basements or shelters.         3         Property Protection         HMA           Montezuma         Implement a program to clear both urban and rural areas of debris after severe wind and flooding to keep crop fodder and debris out of water treatment plants, sewers, transportation routes, and other infrastructure, and to keep roadways open and usable as soon as possible after storms.         5         Property Protection         Local           NTEZUMA WILL REDUCE DAMAGES FROM FLOODING.         Frevention	Action         Details         Priority         Action Type         Source         Cost           Mendon 6.2         Establish conservation procedures to be used during water emergencies or shortages due to drought or contaminated water supplies.         21         Natural Report Resource Protection         Local; State; Stat	Action         Details         Priority         Action Type         Source local; bit local; bi	Action         Details         Priority         Action Type         Source Resource         Cost         Project Lead         Start Date           Mendon 6.2 Establish conservation procedures to be used during water emergencies or shortages due to drought or contaminated water supplies.         21         Natural Resource State; protection         0         Mayor         3/1/2022           A Protection           Montezuma development regulations and construction codes) in an effort to reduce storm damages to properties.         1         Prevention (Local; ICC)         0         Mayor         3/1/2022           Montezuma (Line)         Advocate and support, and implement on village-owned property, the proper maintenance of trees and vegetation to reduce damages caused by hish winds or tornadoes.         2         Property Protection         Local; ICC         0         Mayor         3/1/2022           Montezuma (Line)         1.3         Property Protection         Local; IMP Protection         Local; IMP Protection         0         Mayor         3/1/2022           Montezuma (Line)         1.4         Property Protection         Local; IMP Protection         0         Mayor         3/1/2022           Montezuma (Line)         1.4         Property Protection         Local; IMP Protection         0         Mayor         3/1/2022           Montezuma (Line)         1.5

	Mitigation				Funding	Est.			
Status	Action	Details	Priority	Action Type	Source	Cost	Project Lead	Start Date	<b>End Date</b>
Defer	Montezuma	Montezuma will utilize elevation to protect critical infrastructure	9	Property	Local;	0	Mayor		
	2.5	and property from flooding, and identify methods to prevent		Protection	НМА				
		hazardous materials and other industrial equipment from							
		endangering residents during flooding.							
Unchanged	Montezuma	Review and enforce existing land use regulations (zoning rules,	10	Prevention	Local;	0	Mayor	3/1/2022	3/1/2027
	2.6	building codes) to facilitate wise development, especially in areas with flood vulnerability.			ICC				
Unchanged	Montezuma	Participate in regional efforts to reduce vulnerability to flood	11	Natural	Local;	0	Mayor	3/1/2022	3/1/2027
_	2.7	damages through collaboration including the creation of wetlands		Resource	ICC;				
		and reduction in the use of phosphorus and nitrogen on lawns and		Protection	Other				
		the resulting exacerbation of flood damages.							
Unchanged	Montezuma	Inform residents of and facilitate the use of simple prevention	12	Property	Local	0	Mayor	3/1/2022	3/1/2027
	2.8	measures including the use of sand bags during severe storms.		Protection					
Ongoing	Montezuma	Remove debris and obstructions from village-owned waterways.	13	Property	Local;	0	Mayor	3/1/2022	3/1/2027
	2.9			Protection	ICC				
Ongoing	Montezuma	Manage construction in flood zones that does not consider	14	Prevention	Local;	0	Mayor	3/1/2022	3/1/2027
	2.10	vulnerability to damages and does not mitigate those consequences.			ICC				
Defer	Montezuma	Montezuma will require the use of retention and detention ponds	15	Structurally	Local;	0	Mayor		
	2.11	where new or expanded construction, parking lots, streets, or		Engineered	State;				
		other development may cause flooding to occur as a result of			НМА				
		increased runoff or lack of natural watershed process.							
Unchanged	Montezuma	Utilize acquisition, demolition, and relocation programs for severe	16	Prevention	НМА	0	Mayor	3/1/2022	3/1/2027
	2.12	repetitive loss properties that have repeated or extremely severe							
		damage from all types of flooding.	4-			_			
Defer	Montezuma	Montezuma will create buffer zones and restore natural habitat in	17	Natural	Local;	0	Mayor		
	2.13	low-lying areas to hold excess runoff until it naturally drains		Resource	ICC				
Unchanged	Montezuma	downstream.  Advocate that tenants and property owners maintain reasonable	18	Protection Property	Local;	0	Mayor	3/1/2022	3/1/2027
Officialiged	2.14	casualty insurance, including flood insurance where appropriate, as	10	Protection	ICC		iviayoi	3/1/2022	3/1/2027
	2.14	mitigation against disaster losses.		riotection	ICC				
GOAL 3: MO	ONTEZUMA WI	LL PROTECT AND IMPROVE INFRASTRUCTURE TO REDUCE DAMAGES	TO CRITI	ICAL SYSTEMS.					
	Montezuma	Establish redundant suppliers of heating fuels, potable water, and	19	Property	Local;	0	Mayor	3/1/2022	3/1/2027
	3.1	other utility needs and will identify and facilitate availability and		Protection	Other		_		
		proper use of generators as an alternate power source.							

	Mitigation				Funding	Est.			
Status	Action	Details	Priority	<b>Action Type</b>	Source	Cost	Project Lead	Start Date	End Date
Defer	Montezuma	Montezuma will encourage the hardening of utilities through	20	Property	Local;	0	Mayor		
	3.2	damage resistant installation below grade, improvements to supply		Protection	ICC				
		lines and generations plants, and upgrade of substations and							
		transformers.							
New	Montezuma	Maintain, repair, upgrade, and/or replace storm sewers,		Structurally	Local;	0	Mayor	3/1/2022	3/1/2027
	3.3	wastewater management systems, and associated structures, such		Engineered	нма;				
		as curbs and stormwater basins.			Other				
New	Montezuma	Improve and repair roadways, bridges, culverts, and other		Structurally	Local;	0	Mayor	3/1/2022	3/1/2027
	3.4	transportation infrastructure that is damaged by rapid runoff and		Engineered	нма;				
		heavy precipitation.			Other				
New	Montezuma	Maintain, repair, upgrade, and/or replace water treatment and		Structurally	Local;	0	Mayor	3/1/2022	3/1/2027
	3.5	distribution systems.		Engineered	HMA;				
					Other				
		LL REDUCE DAMAGES FROM SEVERE STORMS, INCLUDING THUNDE							
Defer	Montezuma	Montezuma will educate the public about local digital warning and	21	Public	Local;	0	Mayor		
	4.1	notification systems that inform them of incoming severe weather		Information	EMPG;				
		and life-threatening incidents.			HSGP				
Unchanged	Montezuma	Expand and improve its public warning and notification capability	22	Property	Local;	0	Mayor	3/1/2022	3/1/2027
	4.2	through additional or improved outdoor warning sirens,		Protection	ICC				
		improvements to the software used in these systems, or enhanced							
		public education regarding warning and notification of protection							
		orders or warnings			_				
Unchanged		Develop and implement a program to assist in the removal of dead	23	Property	Local;	0	Mayor	3/1/2022	3/1/2027
	4.3	or diseased trees along waterways and roadways that have been		Protection	ICC				
		affected by Emerald Ash Borer and other invasive species.							
GOAL 5: MO	NTEZUMA WII	LL PRESERVE AND PROTECT NATURAL RESOURCES FREOM THE EFFE	CTS OF W	IND AND WAT	ER.				
Unchanged	Montezuma	Protect roadways vulnerable to compromised structure integrity,	24	Property	Local;	0	Mayor	3/1/2022	3/1/2027
	5.1	damaged berms, washed away foundations or abutments, or other		Protection	State				
		deterioration due to severe storms.							
Unchanged	Montezuma	Protect beaches, shorelines, and riverbanks from wind, water and	25	Natural	Local;	0	Mayor	3/1/2022	3/1/2027
	5.2	other hazards that cause erosion or degradation through		Resource	State				
		stabilization techniques like lining with rip-rap or large stone.		Protection					
Defer	Montezuma	Montezuma will establish conservation procedures to be used	26	Natural	Local;	0	Mayor		
	5.3	during water emergencies or shortages due to drought or		Resource	ICC				
		contaminated water supplies.		Protection					
GOAL 6: MO	NTEZUMA WII	LL PROVIDE THE PUBLIC WITH DISASTER INFORMATION TO SAVE LIV	ES AND P	RESERVE PRO	PERTYFRO	M ALL	TYPES OF HAZARI	OS.	

	Mitigation				Funding	Est.			
Status	Action	Details	Priority	<b>Action Type</b>	Source	Cost	Project Lead	Start Date	End Date
Defer	Montezuma	Montezuma will educate the public about all relevant disaster	27	Public	Local;	0	Mayor		
	6.1	hazards and vulnerabilities, protective actions, available services,		Information	EMPG;				
		vulnerable populations and available assistance and other			HSGP				
		emergency procedures using a variety of means to include print							
		and spoken media, digital resources, and other appropriate local							
		resources							
ROCKFORD			ı						ı
		REDUCE DAMAGES FROM FLOODING.							
Ongoing	Rockford 1.1	Require the use of retention and detention ponds where new or	1	Structurally	Local;	0	Village	3/1/2022	3/1/2027
		expanded construction, parking lots, streets, or other development		Engineered	State		Administrator		
		may cause flooding to occur as a result of increased runoff or lack							
	D 16 142	of natural drainage.	2	C		•	v ett	2/4/2022	2 /4 /2027
Unchanged	Rockford 1.2	Maintain or replace, as needed, water control structures and	2	Structurally	Local;	0	Village	3/1/2022	3/1/2027
		systems, such as storm sewers, wastewater pumping stations,		Engineered	State;		Administrator		
		generators, water pumps, dams, and other structures that control			ICC				
		watershed and/or protect specific areas from flooding.							
Ongoing	Rockford 1.3	Clear village-maintained ditches of debris, sediment, and other	3	Property	Local;	0	Village	3/1/2022	3/1/2027
		obstructions that impede drainage and watershed.		Protection	ICC		Administrator		
Unchanged	Rockford 1.4	Utilize acquisition, demolition, and relocation programs for severe	4	Prevention	Local;	0	Village	3/1/2022	3/1/2027
		repetitive loss properties that have repeated or extremely severe			HMA		Administrator		
		damage from all types of flooding.							
Unchanged	Rockford 1.5	Participate in NFIP and other federal flood mitigation programs	5	Prevention	Local	0	Village	3/1/2022	3/1/2027
		that help the county reduce losses attributable to flooding, and will					Administrator		
		regularly review flood maps through a process of public							
		engagement to assure accuracy as necessary.							
Unchanged	Rockford 1.6	Advocate that tenants and property owners maintain reasonable	6	Property	Local;	0	Village	3/1/2022	3/1/2027
		casualty insurance, including flood insurance where appropriate, as		Protection	ICC		Administrator		
		mitigation against disaster losses.							
Unchanged	Rockford 1.7	Encourage individuals to mitigate personal flood loss through the	7	Property	Local	0	Village	3/1/2022	3/1/2027
		use of simple prevention measures like sandbagging or not building		Protection			Administrator		
		on property that floods.							
Ongoing	Rockford 1.8	Use federal and state grant programs to fund mitigation efforts,	8	Property	Local	0	Village	3/1/2022	3/1/2027
		especially in flood mitigation and mitigation planning.		Protection			Administrator		
Ongoing	Rockford 1.9	Manage construction in flood plains that does not consider the	9	Prevention	Local;	0	Village	3/1/2022	3/1/2027
		vulnerability to damages and does not mitigate those			ICC		Administrator		
		consequences through modifications to construction.							

	Mitigation				Funding	Est.			
Status	Action	Details	Priority	<b>Action Type</b>	Source	Cost	Project Lead	Start Date	<b>End Date</b>
Ongoing	Rockford 1.10	Review and enforce existing land use regulations (zoning rules,	10	Prevention	Local;	0	Village	3/1/2022	3/1/2027
		building codes) to facilitate wise development, especially in areas			ICC		Administrator		
		with flood vulnerability.							
GOAL 2: RO	CKFORD WILL F	REDUCE DAMAGES FROM TORNADOES AND WINDSTORMS.							
Unchanged	Rockford 2.1	Advocate for and support the construction of safe rooms for	11	Property	HMA	0	Village	3/1/2022	3/1/2027
		vulnerable locations, including single and multi-family homes and		Protection			Administrator		
		neighborhoods without basements or shelters.							
Ongoing	Rockford 2.2	Advocate and support, and implement on village-owned property,	12	Property	Local;	0	Village	3/1/2022	3/1/2027
		the proper maintenance of trees and vegetation to reduce		Protection	ICC		Administrator		
		damages caused by high winds or tornadoes.							
Ongoing	Rockford 2.3	Maintain and enforce land use regulations (including zoning and	13	Prevention	Local;	0	Village	3/1/2022	3/1/2027
		development regulations and construction codes) in an effort to			ICC		Administrator		
		reduce storm damages to properties.							
Ongoing	Rockford 2.4	Implement a program to clear both urban and rural areas of debris	14	Property	Local;	0	Village	3/1/2022	3/1/2027
		after severe wind and flooding to keep crop fodder and other		Protection	ICC		Administrator		
		debris out of water treatment plants, sewers, transportation							
		routes, and other infrastructure, and to keep roadways open and							
		usable as soon as possible after storms.							
GOAL 3: RO	1	PROTECT AND IMPROVE INFRASTRUCTURE TO REDUCE DAMAGES TO	CRITICA						
Ongoing	Rockford 3.1	Encourage the hardening of utilities through damage resistant	15	Property	Local;	0	Village	3/1/2022	3/1/2027
		installation below grade, improvements to supply lines and		Protection	ICC;		Administrator		
		generations plants, and upgrade of substations and transformers.			Other				
Defer	Rockford 3.2	Rockford will establish redundant suppliers of heating fuels,	16	Property	Local;	0	Village		
		potable water, and other utility needs and will identify and		Protection	Other		Administrator		
		facilitate availability and proper use of generators as an alternate							
		power source.							
Defer	Rockford 3.3	Rockford will establish conservation procedures to be used during	17	Natural	Local;	0	Village		
		water emergencies or shortages due to drought or contamination.		Resource	ICC;		Administrator		
				Protection	Other				
New	Rockford 3.4	Maintain, repair, upgrade, and/or replace storm sewers,		Structurally	Local;	0	Village	3/1/2022	3/1/2027
		wastewater management systems, and associated structures, such		Engineered	HMA;		Administrator		
		as curbs and stormwater basins.			Other				
New	Rockford 3.5	Improve and repair roadways, bridges, culverts, and other		Structurally	Local;	0	Village	3/1/2022	3/1/2027
		transportation infrastructure that is damaged by rapid runoff and		Engineered	нма;		Administrator		
		heavy precipitation.			Other				
New	Rockford 3.6	Maintain, repair, upgrade, and/or replace water treatment and		Structurally	Local;	0	Village	3/1/2022	3/1/2027
		distribution systems.		Engineered	нма;		Administrator		
					Other				

	Mitigation				Funding	Est.			
Status	Action	Details	Priority	<b>Action Type</b>	Source	Cost	Project Lead	Start Date	End Date
GOAL 4: RO	CKFORD WILL F	REDUCE DAMAGES FROM SEVERE STORMS, INCLUDING THUNDERS	TORMS A	ND WINTER ST	ORMS.				
Defer	Rockford 4.1	Rockford will educate the public about local digital warning and	18	Public	Local;	0	Village		
		notification systems that inform them of incoming severe weather		Information	EMPG;		Administrator		
		and life-threatening incidents.			HSGP				
Unchanged	Rockford 4.2	Implement a program to identify and remove dead of diseased	19	Property	Local;	0	Village	3/1/2022	3/1/2027
		trees along waterways and in the public domain that have been or		Protection	ICC		Administrator		
		will be destroyed by invasive species, and will therefore become							
		part of a debris management problem after storms and floods.							
Unchanged	Rockford 4.3	Expand and improve its public warning and notification capability	20	Public	Local;	0	Village	3/1/2022	3/1/2027
		through additional or improved outdoor warning sirens,		Information	EMPG;		Administrator		
		improvements to the software used in these systems, or enhanced			HSGP				
		public education regarding warning and notification of protection							
		orders or warnings.							
Defer	Rockford 4.4	Rockford will identify and establish locations to be used as	21	Public	Local;	0	Village		
		community centers during extended power outages or extreme		Information	Other		Administrator		
		conditions.							
		PRESERVE AND PROTECT NATURAL RESOURCESFROM THE EFFECTS (		1					
Ongoing	Rockford 5.1	Participate in regional watershed management programs when	22	Natural	Local;	0	Village	3/1/2022	3/1/2027
		feasible to create additional wetlands, and to reduce the use of		Resource	ICC		Administrator		
		phosphorus and nitrogen in agricultural, residential, and		Protection					
0	Rockford 5.2	commercial settings.	22	Due in a setu i	Lasal	0	Villaga	2/1/2022	2/1/2027
Ongoing	ROCKTORU 5.2	Protect roadways from compromised structural integrity, washed	23	Property	Local	0	Village	3/1/2022	3/1/2027
		away abutments and bridges, degraded berms, or other damage		Protection			Administrator		
		through stabilization and reinforcement techniques.							
Ongoing	Rockford 5.3	Protect riverbanks from wind, water, and other hazards that cause	24	Natural	Local;	0	Village	3/1/2022	3/1/2027
		erosion or degradation through stabilization techniques like lining		Resource	ICC		Administrator		
		them with riprap or large stone to limit erosion.		Protection					
GOAL 6: RO	CKFORD WILL F	 PROVIDE THE PUBLIC WITH DISASTER INFORMATION TO SAVE LIVES	AND PRE	SERVE PROPER	RTY FROM	ALL TY	PES OF HAZARDS		
Ongoing	Rockford 6.1	Educate the public about all relevant disaster hazards and	25	Public	Local;	0	Village	3/1/2022	3/1/2027
		vulnerabilities, protective actions, available services, vulnerable		Information	EMPG;		Administrator		
		populations and available assistance and other emergency			HSGP				
		procedures using a variety of means to include print and spoken							
		media, digital resources, and other appropriate local resources.							
ST. HENRY									
GOAL 1: ST.	<b>HENRY WILL R</b>	EDUCE DAMAGES FROM FLOODING.							

	Mitigation				Funding	Est.			
Status	Action	Details	Priority	Action Type	Source	Cost	Project Lead	Start Date	End Date
Unchanged	St Henry 1.1	Participate in NFIP and other federal flood mitigation programs	1	Prevention	Local	0	Mayor	3/1/2022	3/1/2027
_	-	that help the county reduce losses attributable to flooding, and will							
		regularly review flood maps through a process of public							
		engagement to assure accuracy as necessary.							
Onneine	Chillen m. 1.2	Maintain ay yan laga sa yan dad watay saytay latuyatiya ay d	2	Charachinallin	Land	0	D.d.o. vo. v	2/4/2022	2/4/2027
Ongoing	St Henry 1.2	Maintain or replace, as needed, water control structures and	2	Structurally	Local;	0	Mayor	3/1/2022	3/1/2027
		systems, such as storm sewers, wastewater pumping stations,		Engineered	State;				
		generators, water pumps, dams, and other structures that control			ICC				
		watershed and/or protect specific areas from flooding.							
Unchanged	St Henry 1.3	Advocate that tenants and property owners maintain reasonable	3	Property	Local;	0	Mayor	3/1/2022	3/1/2027
		casualty insurance, including flood insurance where appropriate, as		Protection	ICC				
		mitigation against disaster losses.							
Ongoing	St Henry 1.4	Manage construction in flood plains that does not consider the	4	Prevention	Local;	0	Mayor	3/1/2022	3/1/2027
		vulnerability to damages and does not mitigate those			ICC				
		consequences through modifications to construction.							
Ongoing	St Henry 1.5	Review and enforce existing land use regulations (zoning rules,	5	Prevention	Local;	0	Mayor	3/1/2022	3/1/2027
		building codes) to facilitate wise development, especially in areas			ICC				
		with flood vulnerability.							
Ongoing	St Henry 1.6	Maintain dams and other water control structures to protect	6	Structurally	Local;	0	Mayor	3/1/2022	3/1/2027
		people and properties from consequences of structural failure.		Engineered	State;				
					ICC				
Unchanged	St Henry 1.7	Use federal and state grant programs to fund mitigation efforts,	7	Prevention	Local	0	Mayor	3/1/2022	3/1/2027
		especially in flood mitigation and mitigation planning.							
Unchanged	St Henry 1.8	Require the use of retention and detention ponds where new or	8	Structurally	Local;	0	Mayor	3/1/2022	3/1/2027
	,	expanded construction, parking lots, streets, or other development		Engineered	ICC;			-, , -	_ , , -
		may cause flooding to occur as a result of increased runoff or lack			Other				
		of natural watershed process.			Other				
Unchanged	St Henry 1.9	Utilize acquisition, demolition, and relocation programs forsevere	9	Prevention	Local;	0	Mayor	3/1/2022	3/1/2027
J	,	repetitive loss properties that have repeated or extremely severe			HMA		,	' '	, ,
		damage from all types of flooding.							
Ongoing	St Henry 1.10	Clear village-maintained ditches of debris, sediment, and other	10	Natural	Local;	0	Mayor	3/1/2022	3/1/2027
U - ··O	=	obstructions that impede drainage and watershed.		Resource	State	_		-, ,	, ,
		and the control of th		Protection					
GOAL 2: ST.	HENRY WILL RE	DUCE DAMAGES FROM TORNADOES AND WINDSTORMS.							

	Mitigation				Funding	Est.			
Status	Action	Details	Priority	<b>Action Type</b>	Source	Cost	Project Lead	Start Date	<b>End Date</b>
Unchanged	St Henry 2.1	Implement a program to clear both urban and rural areas of debris	11	Property	Local;	0	Mayor	3/1/2022	3/1/2027
		after severe wind and flooding to keep crop fodder and other		Protection	ICC				
		debris out of water treatment plants, sewers, transportation							
		routes, and other infrastructure, and to keep roadways open and							
		usable as soon as possible after storms.							
Ongoing	St Henry 2.2	Advocate and support, and implement on village-owned property,	12	Property	Local	0	Mayor	3/1/2022	3/1/2027
		the proper maintenance of trees and vegetation to reduce		Protection					
		damages caused by high winds or tornadoes.							
Ongoing	St Henry 2.3	Maintain and enforce land use regulations (including zoning and	13	Prevention	Local;	0	Mayor	3/1/2022	3/1/2027
		development regulations and construction codes) in an effort to			ICC				
		reduce storm damages to properties.							
Unchanged	St Henry 2.4	Advocate for and support the construction of safe rooms for	14	Property	НМА	0	Mayor	3/1/2022	3/1/2027
		vulnerable locations, including single and multi-family homes and		Protection					
COAL 2: CT	LIENDY MILL D	neighborhoods without basements or shelters.	CDITICAL	CYCTERAC					
	1	ROTECT AND IMPROVE INFRASTRUCTURE TO REDUCE DAMAGES TO	15		Locali	0	Mayor	3/1/2022	2/1/2027
Unchanged	St Henry 3.1	Encourage the hardening of utilities through damage resistant installation below grade, improvements to supply lines and	15	Property Protection	Local; ICC	U	Mayor	3/1/2022	3/1/2027
				Protection	icc				
		generations plants, and upgrade of substations and transformers.							
Unchanged	St Henry 3.2	Establish redundant suppliers of heating fuels, potable water, and	16	Property	Local	0	Mayor	3/1/2022	3/1/2027
		other utility needs and will identify and facilitate availability and		Protection					
		proper use of generators as an alternate power source.							
New	St Henry 3.3	Maintain, repair, upgrade, and/or replace storm sewers,		Structurally	Local;	0	Mayor	3/1/2022	3/1/2027
		wastewater management systems, and associated structures, such		Engineered	нма;				
		as curbs and stormwater basins.			Other				
New	St Henry 3.4	Improve and repair roadways, bridges, culverts, and other		Structurally	Local;	0	Mayor	3/1/2022	3/1/2027
		transportation infrastructure that is damaged by rapid runoff and		Engineered	нма;				
		heavy precipitation.			Other				
New	St Henry 3.5	Maintain, repair, upgrade, and/or replace water treatment and		Structurally	Local;	0	Mayor	3/1/2022	3/1/2027
		distribution systems.		Engineered	нма;				
COAL 4 CT	LIENIEW NAME D	DESERVE AND RECTEST MATURAL RESCURATE FROM THE STEERTS OF			Other				
		RESERVE AND PROTECT NATURAL RESOURCES FROM THE EFFECTS O			Locali	0	Mayor	2/1/2022	2/1/2027
Unchanged	St Henry 4.1	Establish conservation procedures to be used during water	17	Natural	Local; ICC	0	Mayor	3/1/2022	3/1/2027
		emergencies or shortages due to drought or contamination.		Resource	ICC				
	HENDY WILL D	LEDUCE DAMAGES FROM SEVERE STORMS, INCLUDING THUNDERSTO	DDMS AN	Protection	DMC				

	Mitigation				Funding	Est.			
Status	Action	Details	Priority	<b>Action Type</b>	Source	Cost	Project Lead	Start Date	<b>End Date</b>
Ongoing	St Henry 5.1	Educate the public about local digital warning and notification	18	Public	Local;	0	Mayor	3/1/2022	3/1/2027
		systems that inform them of incoming severe weather and life-		Information	EMPG;				
		threatening incidents.			HSGP				
Ongoing	St Henry 5.2	Implement a program to identify and remove dead of diseased	19	Property	Local;	0	Mayor	3/1/2022	3/1/2027
		trees along waterways and in the public domain that have been or		Protection	ICC				
		will be destroyed by invasive species, and will therefore become							
		part of a debris management problem after storms and floods.							
Unchanged	St Henry 5.3	Expand and improve its public warning and notification capability	20	Public	Local;	0	Mayor	3/1/2022	3/1/2027
		through additional or improved outdoor warning sirens,		Information	EMPG;				
		improvements to the software used in these systems, or enhanced			HSGP				
		public education regarding warning and notification of protection							
		orders or warnings.							
Unchanged	St Henry 5.4	Identify and establish locations to be used as community centers	21	Public	Local;	0	Mayor	3/1/2022	3/1/2027
		during extended power outages or extreme conditions.		Information	Other				
GOAL 6: ST.	HENRY WILL P	TROVIDE THE PUBLIC WITH DISASTER INFORMATION TO SAVE LIVES A	AND PRES	SERVE PROPER	TY FROM <i>A</i>	LL TYP	ES OF HAZARDS.		
Unchanged	St Henry 6.1	Educate the public about all relevant disaster hazards and	22	Public	Local;	0	Mayor	3/1/2022	3/1/2027
		vulnerabilities, protective actions, available services, vulnerable		Information	EMPG;				
		populations and available assistance and other emergency			HSGP				
		procedures using a variety of means to include print and spoken							
		media, digital resources, and other appropriate local resources.							