### 3.0 MITIGATION STRATEGIES

As Mercer County's planning team and stakeholders developed mitigation goals and strategies for the county, their goal was to address the specific risks and vulnerabilities of each jurisdiction. As a result, the mitigation strategies in this plan are significantly more detailed and comprehensive than those developed for previous plans. While some strategies are similar from jurisdiction to jurisdiction, each community's stakeholders expressed their unique circumstances and crafted strategies to address those specific issues. The result is a set of comprehensive and customized mitigation goals and strategies that address the needs of Mercer County and each jurisdiction.

### 3.1 STATUS OF PAST MITIGATION EFFORTS

In the 2003 Mercer County Hazard Mitigation Plan, mitigation goals and strategies were established for the entire county. The county and incorporated jurisdiction worked together to identify strategic actions that would reduce risk and vulnerability across Mercer County. As part of the plan development process, the 2003 goals and strategies were discussed and evaluated by the EMA Director, planning team and stakeholders during the jurisdictional meetings conducted in March 2017.

Table 3-1 identifies these goals and the current status of each. The current status is classified according to this list:

- Completed: Strategy was completed as written; item has not been included in new plan
- Ongoing: Strategy has not been achieved in its entirety and is included in new plan
- Deleted: Strategy was determined to not be feasible or necessary and has been removed from consideration in the new plan

**Table 3-1: 2003 Mercer County Mitigation Goals** 

Goal	Jurisdictions	Current Status			
<b>MULTI-HAZARD STRATEGIES</b>					
ST-MH 1. Integrate the	Mercer County and all	Ongoing			
goals and action items from	Incorporated Jurisdictions	All jurisdictions currently enforce			
the Mercer County Natural		existing zoning regulations.			
Hazard Mitigation Plan into		Since the previous plan adoption,			
existing regulatory		Coldwater and St. Henry have joined			
documents and programs		NFIP.			

Goal	Jurisdictions	Current Status
ST-MH 2: Identify and pursue funding opportunities to develop and implement local and county mitigation activities.	Mercer County and all Incorporated Jurisdictions	<ul> <li>Ongoing</li> <li>The County and jurisdictions are proactive in pursuing grant and other funding opportunities.</li> <li>When possible, mitigation activities are built into department budgets. This applies to activities like ditch maintenance, warning siren maintenance, etc.</li> </ul>
ST-MH 3: Establish a formal role for Mercer County Natural Hazards Mitigation Committee to develop a sustainable process for implementing, monitoring, and evaluating county mitigation activities	Mercer County and all Incorporated Jurisdictions	The EMA monitors natural hazard events, possible funding sources for mitigation activities, and advises the committee and jurisdictions as needed.
ST-MH 4: Identify, improve, and sustain collaborative programs focusing on the real estate and insurance industries, public and private sector organizations, and individuals to avoid activity that increases risk to natural hazards.	Mercer County and all Incorporated Jurisdictions	The EMA and other government agencies regularly engage with private sector businesses and organizations to discuss emergency planning, zoning regulations, etc.
ST-MH 5: Develop public and private partnerships to foster natural hazard mitigation program coordination and collaboration in Mercer County.	Mercer County and all Incorporated Jurisdictions	Several businesses and private citizens have engaged in mitigation activities.     The EMA collaborates with schools, businesses, and civic organizations to support plan development and exercises.
ST-MH 6: Develop inventories of at-risk buildings and infrastructure and prioritize mitigation projects.	Mercer County and all Incorporated Jurisdictions	<ul> <li>Ongoing</li> <li>The EMA collects damage assessment information after flooding and other hazard events and tries to ascertain if damage covered by insurance.</li> <li>The EMA maintains a list of repetitive loss properties and monitors the availability of mitigation funds for possible project completion.</li> </ul>

Goal	Jurisdictions	Current Status
LT-MH 1: Strengthen emergency services preparedness and response by linking emergency services with natural hazard mitigation programs and enhancing public education on a regional scale.	Mercer County and all Incorporated Jurisdictions	<ul> <li>Ongoing</li> <li>Quarterly meetings are held between regional Indiana and Ohio EMAs and responders. Response exercises are conducted and information shared between EMAs are during severe weather events.</li> </ul>
LT-MH 2: Develop, enhance, and implement education programs aimed at mitigating natural hazards, and reducing risk to citizens, public agencies, private property owners, business, and schools.	Mercer County and all Incorporated Jurisdictions	The EMA has a booth at the county fair with information on emergency planning, response, recovery, and mitigation, appears on a local radio show several times a year to discuss these activities, and gives presentations to civic organizations.
LT-MH 3: Use technical knowledge of natural ecosystems and events to link natural resource management and land use organizations to mitigation activities and technical assistance.	Mercer County and all Incorporated Jurisdictions	<ul> <li>Ongoing</li> <li>The Soil and Water Conservation         District, County Engineer, Flood Plain         Manager, EMA, and local jurisdictions         collaborate to share information and         expertise.</li> </ul>
FLOOD STRATEGIES		
ST-FL 1: Analyze each repetitive flood property within Mercer County and identify feasible mitigation options.	Coldwater, Fort Recovery, St. Henry	Ongoing Discussions concerning mitigation efforts and funding for these properties has been ongoing with local government, FPM, and EMA and will continue.
ST-FL 2: Recommend revisions to requirements for development within the floodplain, where appropriate. Ideas for Implementation	Mercer County and all Incorporated Jurisdictions	Ongoing Mercer County has an experienced Floodplain Manager who regularly reviews the requirements and makes recommendations for updates as needed.
ST-FL 3: Develop better flood warning systems Ideas for implementation	Coldwater, Fort Recovery, and St. Henry	Ongoing  • The EMA works with the National Weather Service and the county's central dispatch to disseminate warnings in a timely manner.  Efforts to utilize and enhance mass notification systems are ongoing.

Goal	Jurisdictions	Current Status
LT-FL 1: Enhance data and mapping for floodplain information within the county, and identify and map flood prone areas outside of designated floodplain.	Coldwater, Fort Recovery, and St. Henry	Ongoing Floodplain information is included in the county tax mapping system.
LT-FL 2: Encourage development of acquisition and management strategies to preserve open space for flood mitigation, fish habitat, and water quality in the floodplain.	Coldwater, Fort Recovery, and St. Henry	Ongoing The Soil and Water Conservation District and local jurisdictions have worked on wetland areas, filter strips, and other conservation practices.
LT-FL 3: Identify surface water drainage obstructions for all parts of unincorporated Mercer County	Mercer County	Ongoing The Soil and Water Conservation District and County Engineer work on ditch maintenance to improve drainage.
LT-FL 4: Establish a framework to compile and coordinate surface water management plans and data throughout the county.	Mercer County and all Incorporated Jurisdictions	Ongoing The Soil and Water Conservation District and County Engineer collaborate and regularly share information.
TORNADO STRATEGIES		
ST-TO#1: Enhance current warning devices for tornadoes. Ideas for Implementation	Mercer County and all Incorporated Jurisdictions	Ongoing A mass notification system is utilized to issue warnings via text message and email; 23 warning sirens are located across the county owned and maintained by the local jurisdictions; residents are encouraged to have NOAA weather radios and smart phone Apps to receive weather information.
ST-TO#2: Identify mobile home parks and campgrounds and determine if there is a wind resistant building on site	Mercer County and all Incorporated Jurisdictions	<ul> <li>Ongoing</li> <li>Vulnerable areas have been identified and stakeholders monitor grant opportunities to identify funding to install safe rooms.</li> <li>Residents of these areas are encouraged utilize the mass notification system and install weather radios to monitor weather conditions.</li> </ul>

Goal	Jurisdictions	Current Status
LT-TO#1: Encourage	Mercer County and all	Ongoing
development and	Incorporated Jurisdictions	All state and local building codes are
enforcement of wind		enforced.
resistant building sites and		
construction codes.		
LT-TO#2: Support and	Mercer County and all	Ongoing
encourage electrical	Incorporated Jurisdictions	Local jurisdictions meet with power
utilities to use underground		companies regularly.
construction methods,		
where possible to reduce		
power outages from		
tornadoes and windstorms		
LT-TO#3: Increase public	Mercer County and all	Ongoing
awareness of tornado and	Incorporated Jurisdictions	The EMA has a booth at the county fair with
windstorm mitigation		information on emergency planning,
activities.		response, recovery, and mitigation, appears
		on a local radio show several times a year to
		discuss these activities, and gives
		presentations to civic organizations. This
		information is all-hazards and includes
		tornado events.
WINTER STORM STRATEGIES		
ST-SWS 1: Enhance	Mercer County and all	Ongoing
strategies for debris	Incorporated Jurisdictions	The county has a debris management plan
management for severe		that would include woody debris from an ice
winter storm events.		storm or wind event.
ST-SWS 2: Develop and	Mercer County and all	Ongoing
implement programs to	Incorporated Jurisdictions	The County Engineer and Township
coordinate maintenance		Trustees regularly evaluate bridges,
and mitigation activities to		roads, culverts, etc. to determine need
reduce risk to public		for changes to prevent damage.
infrastructure from severe		Several jurisdictions have completed sewer
winter storms.		separation and storm water projects.
LT-SWS 1: Increase public	Mercer County and all	Ongoing
awareness of severe winter	Incorporated Jurisdictions	The EMA has a booth at the county fair with
storm mitigation activities.		information on emergency planning,
		response, recovery, and mitigation, appears
		on a local radio show several times a year to
		discuss these activities, and gives
		presentations to civic organizations. This
		information is all-hazards and includes
		winter storm events.

Goal	Jurisdictions	Current Status
LT-SWS 2: Enhance weather	Mercer County and all	Ongoing
monitoring to attain earlier	Incorporated Jurisdictions	The NWS, EMA and Central Dispatch work
severe winter storm		together to monitor winter storms and
warnings.		disseminate the information through emails,
		text messages and social media.
DROUGHT AND WILDFIRE ST	TRATEGIES	
LT-DR 1: Increase the	Mercer County and all	Ongoing
efficiency of water	Incorporated Jurisdictions	This is addressed through the Soil and Water
conservation ideas for		Conservation District's public education
Implementation		efforts.
Fire	Mercer County and all	Ongoing
1. Yearly inspections of	Incorporated Jurisdictions	All fire departments in Mercer County
commercial and public		address these issues as part of their
buildings and enforce		ongoing fire safety inspection and public
fire codes		education efforts.
2. Project for Smoke		Some education activities are contingent on
detectors for all homes		the availability of funds.
- hand delivered and		
offered at the fire		
station.		
3. Public awareness and		
education (Brochures		
and pamphlets on fire		
safety distributed at		
school, fairs, and other		
activities.)		
4. County Mutual Aid		
Agreements and		
neighboring county		
mutual aid agreements.		

### 3.2 RISK PRIORITIES

The Hazard Identification and Risk Assessment explains in detail the identification of hazards and evaluation of risks in Mercer County. That section of the plan considers numerous naturally occurring possibilities, 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. As a result of this assessment, the planning team determined that relevant hazards and applicable risks for Mercer County overall are as follows, prioritized from comprehensively most-concerning to least-concerning: Windstorm, tornado, flood, severe thunderstorm, severe winter storm, invasive species, drought and extreme heat, dam failure, and earthquake. Some of the individual municipalities ranked threats in a different order based upon the unique characteristics or history of their community.

Mercer County's most concerning threat is excessive wind. Considering the flat terrain and impact of the Emerald Ash Borer in recent years, the exposure to high wind and the poor condition of many trees makes wind extremely threatening. Add to that the presence of buildings with no windbreak protection by tree lines or forested land, and the number of wind vulnerable structures (conventionally roofed structures, grain bins, legs and elevators, and many older building like barns, homes, and churches), the worst havoc could be caused by another derecho or significant wind event. Tornado ranks second because rotational winds are less frequent that straight-line or sustained high wind events, but the threat is similar.

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.

Flooding is the third major concern, and the threat is a combination of riverine and flash flooding. Some of the main waterways flood under heavy rain or combined rain and snowmelt conditions. The Beaver Creek, Coldwater Creek, and the St. Marys and Wabash rivers will breach their banks, flooding farm land, crops, roads and bridges, and some homes. When the rain 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. One neighborhood on the edge of Butler and Jefferson townships is especially prone to devastating flooding and homes have a history of extensive damage and repeated claims. Generally, 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, demolition, and relocation projects are a likely solution for some structures.

Severe thunderstorms and blizzards are disruptive and expensive in their worst form. Both cause roads to become impassable. These storms cause accessibility problems across the county, and are especially damaging to the livestock farms that depend upon transportation services daily. Roads are blocked and snow covered, power outages occur due to the ice and/or wind associated with the storms, and farms cannot operate. Livestock operations are dependent upon utilities and transportation support. These storms also bring the damage of high winds and heavy precipitation, sometimes causing flooding and structural damages. Hail can damage roofs and vehicles, and anything else that is in its path. The storms are damaging because they combine several factors into a comprehensive path of destruction.

Strategies for severe storms include enhanced capacity to clear roads and bridges from debris and snow; elimination of debris potential; hardening of utilities; and improved warning and notification systems.

Invasive species cause trees to die and become debris, or make the lake unusable and offensive. The amount of wooded area along rivers, roadways, on farmland, and in the municipalities, it is able to cause a significant debris issue, even without the forces of wind, ice, and snow as trees fall. Any invasive species that affects vegetation can cause this to occur even though the most recent villain is the Emerald Ash Borer. In earlier recent times, contamination of the lake with bacteria caused infections, devastating the county's tourism for several years. Any invasive species is a threat Mercer County would rather not experience.

Strategies include clearing of diseased trees and sources of contamination.

Drought and extreme heat are possible but do not occur frequently in Ohio. Drought tends to be more of a "dry spell" than an extended drought. While Ohio, in general, experienced drought in 1988 and 2012, Mercer County was not one of the most affected counties. Grain crops are more resilient than vegetable and fruit crops when drought strikes.

Mitigation strategies for drought and extreme heat include additional public information, enhanced warning and notification, and hardening of the water supply through emergency planning and capital improvements.

Dam failure is a risk but structures are well maintained by ODNR (Class I dams) and by private owners. Most dams are classified as "other" and are remotely located in rural areas. While condition is monitored, especially at the lake and in Fort Recovery, the risk is not sufficient to document a high vulnerability.

Mitigation of dam failure concentrates on monitoring the condition of dams and taking appropriate action if necessary.

Earthquake is a similar possibility but low-ranked vulnerability. Buildings are not multi-story in many places, and few bridges have long spans over water. Most earthquakes are expected to be low on the intensity scale, and damages would be limited to fragile building contents or already-compromised structures. There are no skyscrapers in the county; buildings top out at three stories and there are few of those.

Strategies for earthquake include robust warning and notification systems and public information.

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. With limited money and staff available to conduct mitigation projects, the planning team weighed every potential effort by measuring the benefit against the resources realistically available to conduct the activity. The planning team

endeavored to prioritize strategies that could realistically be accomplished and result in actual reduction in potential and real losses.

Considerations of cost, identifiable funding to support the strategy, actual benefit to the community, prevention of loss of life, and overall feasibility were all discussed. Strategies were rated against one another and ranked from most to least important. While it is impossible to plan for or foresee every potential hazard, Mercer County attempted to identify the incidents that might realistically impact their community. These goals and strategies are an outcome of that assessment.

### 3.3 MITIGATION GOALS AND STRATEGIES

Planning Team members and stakeholders from each jurisdiction worked by jurisdiction and collaboratively countywide to develop fitting mitigation goals and strategies. The Contractor drafted strategies based on the input provided by these stakeholders. The draft strategies were presented to the planning team and community for public review and comment, and modified accordingly. This section identifies the mitigation goals and strategies for each jurisdiction and the priority level, action type lead agency, timeline, and potential funding source assigned to each action. Strategies for specific municipalities vary from the countywide in priority of the problem and the potential solution.

### 3.3.1 Mercer County

Mercer County's mitigation strategies are intended to reduce vulnerability to damage from wind, water, severe storms, invasive species, drought, dam failure, and earthquake. The identified goals and strategies include all non-incorporated areas of the county, such as townships and census areas or neighborhoods. These strategies will be considered as economic development and growth is guided, as regulations are written and revised, and as codes and guidance is enforced and approved. These strategies will be reflected in local building codes, land use regulations, economic development goals and strategies, capital improvement plans, and budgetary management. Projects will be conducted as funding is available, and daily practices will be adjusted to include modifications of work to include the strategies.

As Mercer County Commissioners and other elected officials will represent the townships in mitigation efforts, they will communicate with the township trustees whose jurisdictions are affected. The county will act on behalf of the townships when it comes to mitigation efforts, but the townships will fulfill their responsibility to enforce and comply with land use regulations or building codes. The county officials will work with township trustees to ensure that smart development takes place to create sustainable communities in the more rural sections of the county. This will take participation on the part of the trustees in countywide development, but the county officials will consider these smaller jurisdictions' individuality as they act on their behalf.

This partnership between levels of local government is not new; Mercer County jurisdictions have worked together in this way for many years. For example, when residential building codes

**End Date** 

**Start Date** 

Funding

**Priority** 

**Action Type** 

were created over forty years ago, it was a multi-jurisdictional effort. This collaboration will continue. Today's efforts to better include hazard mitigation in community development are another effort of collaboration.

**Table 3-3: Mercer County Mitigation Goals and Strategies** 

**Lead Agency** 

	IERCER COUNTY WILL EMPLO INDSTORMS, INCLUDING STR			MAGES INCUR	RED FROM
	r County will advocate for and single and multi-family homes	• •			cions,
1	Property Protection	EMA Director	7-1-17	12-31- 22	Local
	r County will advocate and su				
	nce of trees and vegetation to				
2	Nat. Resource Protection	<b>County Commissioners</b>	7-1-17	12-31-22	Local
1.3 Mercer County will implement a program to clear both urban and rural areas of debris after severe wind and flooding to keep crop fodder and other 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.  3 Property Protection County Engineer 7-1-17 12-31-22 Local  1.4 Mercer County will maintain and enforce land use regulations (including zoning and development regulations and construction codes) in an effort to reduce storm damages to properties.  4 Prevention Regional Planning 7-1-17 12-31-22 Local					
GOAL 2: MERCER COUNTY WILL ENGAGE IN MITIGATION ACTIONS THAT REDUCE DAMAGES FROM FLOODING.  2.1 Mercer County will utilize acquisition, demolition, and relocation programs for properties that have					
repeated o	or extremely severe damage for	rom floods and flash flood	S.		
5	Prevention	EMA Director	7-1-17	12-31-22	Local PDM/FMA HMGP
reduce los	r County will participate in NF ses attributable to flooding, a nt to assure accuracy as nece:	nd will regularly review flo		-	•
6	Prevention	Floodplain Manager	7-1-17	12-31-22	Local
	r County will review and enfor vise development, especially i	n areas with flood vulnera	, ,	rules, building o	codes) to
7	Prevention	Regional Planning Chairperson	7-1-17	12-31-22	Local
casualty in 8	r County will advocate that re surance, including flood insur Prevention r County will use federal and s	ance where appropriate, a EMA Director	as mitigation a 7-1-17	gainst disaster 12-31-22	osses. Local
	and mitigation planning.	g. a p. ag. a a ta ta			
9	Prevention	EMA Director	7-1-17	12-31-22	PDM/FMA HMGP

runoff or lack  10 S  2.7 Mercer C  wastewater p	ounty will require the use of parking lots, streets, or oth cof natural watershed proceduructurally Engineered ounty will maintain or replace oumping stations, generator	er development may causess.  Regional Planning Chairperson  ce, as needed, water cont	7-1-17	occur as a resul	
runoff or lack  10 S  2.7 Mercer C  wastewater p	tructurally Engineered  ounty will maintain or replace	Regional Planning Chairperson ce, as needed, water cont s, water pumps, and othe	7-1-17 trol structures	21-31-22	Local PDM CDGB
2.7 Mercer C wastewater լ	ounty will maintain or replace	Chairperson ce, as needed, water cont s, water pumps, and othe	trol structures		PDM CDGB
wastewater <sub>l</sub>	oumping stations, generator	s, water pumps, and othe		and systems, s	
·		•	er structures.		uch as
	turretrueller Freedrice en en	County Samuary			
11 S	tructurally Engineered	Department Superintendent	7-1-17	12-31-22	Local
2.8 Mercer C	ounty will maintain or repla	•	trol structures	and systems, s	uch as storm
	s, and other structures that				
					Local
12 S	tructurally Engineered	County Engineer	7-1-17	12-31-22	CDBG
					Other
2.9 Mercer C	ounty will clear county-mair	ntained ditches of debris,	sediment, and	other obstruct	tions that
impede drair	nage and watershed.				
13 N	lat. Resource Protection	County Engineer	7-1-17	12-31-22	Local
	County will advocate for stu elevation of bodies of water dam.			_	
	Prevention	County Engineer	7-1-17	12-31-22	Local ODNR
	County study countywide ware property and reduce damage		ff in order to ir	nprove storm v	vater practices
15 S	tructurally Engineered	SWCD Director	7-1-17	12-31-22	Local
	County will use elevation an e, too costly, or not feasible		s to contain flo	odwater where	e other means
16 S	tructurally Engineered	County Engineer	7-1-17	12-31-22	Local
2.13 Mercer	County will encourage indivi	duals to mitigate persona	al flood loss th	rough the use o	of simple
prevention m	neasures like sandbagging or	not building on property	that floods.		
17 P	revention	EMA Director	7-1-17	12-31-22	Local
	County will consider improv ms, maintenance of bridge s				nd elevation,
•	tructurally Engineered	County Engineer	7-1-17	12-31-22	Local

# GOAL 3: MERCER COUNTY WILL ENGAGE IN MITIGATION ACTIONS TO REDUCE DAMAGES FROM ALL SEVERE STORMS, INCLUDING THUNDERSTORMS AND BLIZZARDS, AND OTHER NATURAL DISASTERS AND CAUSES.

- 3.1 Mercer County will expand its road sign warning program through increasing the number of signs available to mark dangerous road conditions like flooding, washouts, and other damages due to storms.
- 19 Property Protection County Engineer 7-1-17 12-31-22 Local
- 3.2 Mercer County will expand and improve its public warning and notification capability through additional or improved outdoor warning sirens, improvements to the software used in these systems, or enhanced public education regarding warning and notification of protection orders or warnings.

0 11			2017 Werder		
Priority	Action Type	Lead Agency	Start Date	End Date	Funding
20	Public Information	EMA Director	7-1-17	12-31-22	Local HSGP EMPG
along cour invasive sp		and roadways that have b		Emerald Ash B	
21	Nat. Resource Protection	County Engineer	7-1-17	12-31-22	Local
access to gare unique	r County will advocate for the generators and other critical is to livestock disease or infest oment damaged by storms ar Property Protection	resources during extende tation incidents, to servic	ed power outage es and supplies	s, to goods and used in repair o	services that
	r County will develop method				
agencies ir downstrea commodit	nmediately after storms to io m flooding, manure manage y damages, and livestock cas	dentify storm caused consiment challenges, grain arualties.	sequences, such nd chemical stor	as excessive ru age issues, equ	unoff and iipment and
23	Property Protection	EMA Director	7-1-17	12-31-22	Local
	IERCER COUNTY WILL ENGAGES AND RESOURCE SHORTAGES		ONS TO REDUCE	DAMAGES DU	E TO UTILITY
private co	r County will encourage quicl ntractors to clear roads and r to protect livestock operation	naintain utilities sure and	l after severe we	_	
24	Property Protection	EMA Director	7-1-17	12-31-22	Local
	r County will advocate and en n below grade, improvement ormers.		_	_	
25	Structurally Engineered	EMA Director	7-1-17	12-31-22	Local Private
other utilit power sou		facilitate availability and	proper use of g	enerators as ar	n alternate
26	Property Protection	EMA Director	7-1-17	12-31-22	Local
	MERCER COUNTY WILL ENGA SS SUCH AS TOPSOIL AND W			VE AND PROTE	CT NATURAL
maintenar	r County will support, and pa ace rivers in the county of del d effective watershed proces	oris, excessive sediment,			•
27	Nat. Resource Protection	County Engineer	7-1-17	12-31-22	Local Conservancy
	r County will participate in re wetlands, and to reduce the al settings.				
28	Nat. Resource Protection	SCWD Director	7-1-17	12-31-22	Local Conservancy

Priority	Action Type	Lead Agency	Start Date	End Date	Funding	
5.3 Mercer County will facilitate collaboration with farmers and agri-businesses to adopt conservation						
rocedures th	nat protect agricultural asse	ets during and after severe	e storms, inclu	ding land, facili	ties, crops,	
nd other ass	ets.					
9 Pi	roperty Protection	SWCD Director	7-1-17	12-31-22	Local	
.4 Mercer Co	ounty will encourage agricu	Itural conservation proces	sses that prote	ct topsoil, slop	es and	
•	nks from wind or water ero	_	indbreaks, filte	er strips, cover	crops, grassy	
uffers, tree I	ines, and other methods of	preserving the soil.				
	at. Resource Protection	SWCD Director	7-1-17	12-31-22	Local	
	ounty will protect roadways	•		•		
_	degraded berms, or other d	-			ques.	
	roperty Protection	County Engineer	7-1-17	12-31-22	Local	
	ounty will support agricultu				•	
_	d tiles and replace them wit					
	ise of cover crops, filter stri		nd tile control	structures to li	mit the	
rosion of top	osoil and protect slopes and	l waterway banks.				
2 N	at. Resource Protection	SWCD Director	7-1-17	12-31-22	Local	
.7 Mercer Co	ounty will implement impro	vements to the county di	tch maintenan	ce program to	further	
nprove the r	natural function of the wate	ershed and to repair dama	ige done to str	eams, creeks, a	nd ditches by	
torms and flo	oods.					
3 N	at. Resource Protection	County Engineer	7-1-17	12-31-22	Local	
	ounty will develop a progra	m to protect and preserve	e cemeteries in	the county fro	m damage by	
evere storms	s and floods.					
4 Pı	roperty Protection	<b>County Commissioners</b>	7-1-17	12-31-22	Local	
.9 Mercer Co	ounty will establish conserv	ation procedures to be us	ed during wat	er emergencies	or shortages	
5 N	at. Resource Protection	EMA Director	7-1-17	12-31-22	Local	
OAL 6: MER	CER COUNTY WILL ENGAG	E IN MITIGATION ACTION	IS THAT ENABI	E THE PUBLIC	Г	

## GOAL 6: MERCER COUNTY WILL ENGAGE IN MITIGATION ACTIONS THAT ENABLE THE PUBLIC TO OBTAIN AND USE DISASTER INFORMATION TO SAVE LIVES AND PRESERVE PROPERTY FOR ALL HAZARDS PRESENT IN MERCER COUNTY.

6.1 Mercer County will develop a multi-part communication system to engage the community in protective action procedures, warnings and notifications, and other critical lifesaving information related to all disaster incidents when necessary.

Local
36 Public Information EMA Director 7-1-17 12-31-22 HSGP
EMPG

6.2 Mercer County will develop interoperable communication plans to coordinate life-saving efforts with community partners and others during severe storms and other disasters.

Local
37 Public Information EMA Director 7-1-17 12-31-22 HSGP
EMPG

6.3 Mercer County will educate the public about all relevant disaster hazards and vulnerabilities, protective actions, available services, vulnerable populations and available assistance and other emergency procedures using a variety of means to include print and spoken media, digital resources, and other appropriate local sources.

Priority	Action Type	Lead Agency	Start Date	End Date	Funding
					Local
38	Public Information	EMA Director	7-1-17	12-31-22	HSGP
					EMPG

6.4 Mercer County will develop, utilize and maintain a communications plan with the public to include mass media, social media, digital resources, and direct contact for emergency management information before, during, and after incidents that result from any hazard relevant to Mercer County.

					Local
39	<b>Public Information</b>	<b>EMA Director</b>	7-1-17	12-31-22	HSGP
					FMPG

6.5 Mercer County will identify locations and establish agreements with owners for facilities to be used as community centers during evacuations, extended power outages, or other disasters for general community use or shelters, as needed.

**Public Information** 40 **EMA Director** 7-1-17 12-31-22 Local

#### 3.3.2 Burkettsville

This small village is concerned mostly about preventing wind damage from windstorms and tornado, and in preventing flash flooding. Debris management and storm water management are their two greatest concerns as crop fodder and fallen trees can interfere with drainage and access. Severe storms can isolate them, especially when combined with utility issues due to tree damage and downed poles. Invasive species are concerning because of the effect on the trees.

There are no paid village employees, so the mayor will act as the champion of mitigation actions; the village council and the fire chief will support him.

	Table 3-4: Bu	rkettsville Mitigation G	pals and Strate	gies	
Priority	Action Type	Lead Agency	Start Date	End Date	Funding
	BURKETTSVILLE WILL EMPLOY WINDSTORMS, INCLUDING ST			AGES INCURRI	ED FROM
1.1 Burk	ettsville will advocate for and s	support the creation of saf	e rooms for vulr	nerable locatio	ns, including
single ar	nd multi-family homes and neig	hborhoods without baser	nents or shelters	5.	
1	Property Protection	Mayor	7-1-17	12-31-22	PDM
1.2 Burk	ettsville will implement a prog	ram to clear both urban ai	nd rural areas of	debris after se	vere wind
and floo	ding to keep crop fodder and c	ther debris out of water t	reatment plants	, sewers, trans	portation
routes, a	and other infrastructure, and to	keep roadways open and	l usable as soon	as possible aft	er storms
2	Property Protection	Mayor	7-1-17	12-31-22	Local
1.3 Burk	ettsville will maintain and enfo	rce land use regulations (i	ncluding zoning	and developm	ent
regulation	ons and construction codes) in	an effort to reduce storm	damages to pro	perties	
3	Prevention	Mayor	7-1-17	12-31-22	Local
1.4 Burk	ettsville will advocate and sup	oort, and implement on vi	llage-owned pro	perty, the prop	per
mainten	ance of trees and vegetation to	reduce damages caused	by high winds o	r tornadoes.	
4	Property Protection	Mayor	7-1-17	12-31-22	Local

Priority	Action Type	Lead Agency	Start Date	End Date	Funding
	BURKETTSVILLE WILL ENGAGE IN				
FLOODIN		WITHGATION ACTIONS	S THAT REDUCE	DAIVIAGES FRO	ZIVI
	ettsville will join NFIP and will sup	nort other federal floor	d mitigation prod	grams that hel	n the county
	osses attributable to flooding, and				•
	nent to assure accuracy as necess	~ /	·	,	
5	Prevention	Mayor	7-1-17	12-31-22	Local
	ettsville will maintain or replace,				
· ·	wastewater pumping stations, ge ed and/or protect specific areas for		dams, and otne	r structures th	at control
6	Structurally Engineered	Mayor	7-1-17	12-31-22	Local
2.3 Burk	ettsville will clear village-maintair	·	diment, and oth	er obstruction	s that
impede (	drainage and watershed				
7	Nat. Resource Protection	Mayor	7-1-17	12-31-22	Local
	ettsville will use federal and state In and mitigation planning	grant programs to fund	d mitigation effo	rts, especially	ın flood
IIIILIgatic	in and mitigation planning				PDM/FMA
8	Prevention	Mayor	7-1-17	12-31-22	HSGP
		,			EMPG
	ettsville will review and enforce e			s, building coo	les) to
	wise development, especially in		•	40.04.00	
9 2.6 Burk	Property Protection ettsville will require the use of re	Mayor	7-1-17	12-31-22	Local
	ots, streets, or other developmer				
-	atural watershed process	it may cause noouing to	occar as a resa	it or moreasea	
10	Structurally Engineered	Mayor	7-1-17	12-31-22	Local
	ettsville will utilize acquisition, de			roperties that	have
repeated	l or extremely severe damage fro	m floods and flash flood	ds		DD14/5144
11	Prevention	Mayor	7-1-17	12-31-22	PDM/FMA HMGP
	ettsville will advocate that renter		•		
	insurance, including flood insurar				
12	Prevention	Mayor	7-1-17	12-31-22	Local
	BURKETTSVILLE WILL ENGAGE IN , INCLUDING THUNDERSTORMS				
3.1 Burk	ettsville will expand and improve	its public warning and r	notification capa	bility through	additional or
	d outdoor warning sirens, improv		·		
educatio	n regarding warning and notificat	tion of protection order	s or warnings		
42	Dublic Informati	N.4	7.4.47	42.24.22	HSGP
13	Public Information	Mayor	7-1-17	12-31-22	EMPG PDM

**HSGP** 

## GOAL 4: BURKETTSVILLE WILL ENGAGE IN MITIGATION ACTIONS TO REDUCE DAMAGES DUE TO UTILITY OUTAGES AND RESOURCE SHORTAGES FROM ALL CAUSES

4.1 Burkettsville will encourage the hardening of utilities through damage resistant installation below grade, improvements to supply lines and generations plants, and upgrade of substations and transformers

14 Prevention Mayor 7-1-17 12-31-22 Local

4.2 Burkettsville will establish redundant suppliers of heating fuels, potable water, and other utility needs and will identify and facilitate availability and proper use of generators as an alternate power source

PDM 15 Property Protection Mayor 7-1-17 12-31-22

## GOAL 5: BURKETTSVILLE WILL ENGAGE IN MITIGATION ACTIONS TO PRESERVE AND PROTECT NATURAL RESOURCES SUCH AS TOPSOIL AND WATERWAYS FROM EROSION

5.1 Burkettsville will protect roadways from compromised structural integrity, washed away abutments and bridges, degraded berms, or other damage through stabilization and reinforcement techniques

16 Structurally Engineered Mayor 7-1-17 12-31-22 PDM

5.2 Burkettsville will encourage agricultural conservation processes that protect topsoil, slopes and waterway banks from wind or water erosion through the use of windbreaks, filter strips, cover crops, grassy buffers, tree lines, and other methods of preserving the soil

17 Nat. Resource Protection Mayor 7-1-17 12-31-22 Local

# GOAL 6: BURKETTSVILLE WILL ENGAGE IN MITIGATION ACTIONS THAT ENABLE THE PUBLIC TO OBTAIN AND USE DISASTER INFORMATION TO SAVE LIVES AND PRESERVE PROPERTY FOR ALL HAZARDS PRESENT IN MERCER COUNTY

6.1 Burkettsville will develop, utilize and maintain a communications plan with the public to include mass media, social media, digital resources, and direct contact for emergency management information before, during, and after incidents that result from any hazard relevant to Mercer County

18 Public Information Mayor 7-1-17 12-31-22 Loca

6.2 Burkettsville will educate the public about all relevant disaster hazards and vulnerabilities, protective actions, available services, vulnerable populations and available assistance and other emergency procedures using a variety of means to include print and spoken media, digital resources, and other appropriate local resources

HSGP

19 Public Information Mayor 7-1-17 12-31-22 EMPG Local

### **3.3.3 Celina**

Celina is the county seat, and is located at the northwest and western side of Grand Lake St. Marys. This commercial and residential center is concerned about preventing damages from severe storms that include wind, tornadoes, and heavy precipitation. Whether those storms are thunderstorms with hail, lightning, wind or tornados, and rain or winter storms with ice, snow and wind, the city is concerned about limiting damage to properties and infrastructure. Invasive species are threatening because of the damage to the many trees in the city, causing debris overload. Dam failure warrants consideration as the dam at the west end of the lake could impact the city if it failed, but it is maintained well and likelihood of failure is relatively low. Earthquake and drought damage potential is low as well, and those round out the list of vulnerabilities for Celina.

The mayor and staff will support mitigation efforts. The city's safety and service director will oversee some strategies, and others will be assumed by department heads. The city has paid staff to fulfill these obligations.

	Table 3-5: Cel	ina Mitigation Goals	and Strategie	s	
Priority	Action Type	Lead Agency	Start Date	End Date	Funding
	LINA WILL EMPLOY MITIGATIONS, INCLUDING STRAIGHT-LIN			CURRED FROM	1 SEVERE
1.1 Celina v	vill advocate and support, and i	mplement on city-own	ed property, th	e proper maint	enance of
trees and v	egetation to reduce damages ca		tornadoes.		
1	Property Protection	Safety Service Director	7-1-17	12-31-22	Local
	vill maintain and enforce land u n codes) in an effort to reduce	storm damages to prop	-	evelopment re	gulations and
2	Prevention	Safety Service Director	7-1-17	12-31-22	Local
	vill advocate for and support th amily homes and neighborhood			e locations, inc	luding single
3	Property Protection	Fire Chief	7-1-17	12-31-22	PDM HMGP
flooding to	vill implement a program to cle keep crop fodder and debris ou structure, and to keep roadway	ut of water treatment p s open and usable as so	lants, sewers, t	ransportation i	
4	Property Protection	Safety Service Director	7-1-17	12-31-22	Local
	LINA WILL ENGAGE IN MITIGA JRCE SHORTAGES FROM ALL C		UCE DAMAGES	DUE TO UTILIT	TY OUTAGES
	vill encourage the hardening of	~			~
improveme	nts to supply lines and generat		e of substation	s and transforr	ners.
5	Prevention	Safety Service Director	7-1-17	12-31-22	Local
	vill establish redundant supplie d facilitate availability and prop	er use of generators as		•	eeds and will
6	Property Protection	Safety Service Director	7-1-17	12-31-22	Local
	LINA WILL ENGAGE IN MITIGA NCLUDING THUNDERSTORMS A				
	vill establish conservation procecontamination.		g water emerg	encies or short	ages due to
7	Nat. Resource Protection	Safety Service Director	7-1-17	12-31-22	Local

3.2 Mercer County will expand and improve its public warning and notification capability through additional or improved outdoor warning sirens, improvements to the software used in these systems, or enhanced public education regarding warning and notification of protection orders or warnings.

Priority	Action Type	Lead Agency	Start Date	End Date	Funding
3	Public Information	Fire Chief	7-1-17	12-31-22	EMPG HSGP Local
3.3 Mercei	r County will develop and imple	ment a program to ass	ist in the remova	al of dead or di	
	erways and roadways that have				
Э	Nat. Resource Protection	Safety Service Director	7-1-17	12-31-22	Local
social med	will develop, utilize and mainta lia, digital resources, and direct ncidents that result from any ha	contact for emergency	management in		
10	Public Information	Fire Chief	7-1-17	12-31-22	HSGP EMPG Local
outages or	will identify and establish locati extreme conditions.		·		·
11	Public Information	Fire Chief	7-1-17	12-31-22	Local
GOAL 4: C	ELINA WILL ENGAGE IN MITIGA	TION ACTIONS THAT R	REDUCE DAMAG	ES FROM FLOO	DDING.
	will participate in NFIP and othe ibutable to flooding, and will re	~		•	•
	accuracy as necessary.				
to assure a	•	Safety Service	7-1-17	12-31-22	Local
to assure a 12 4.2 Celina	accuracy as necessary.	Director			
to assure a 12 4.2 Celina	Prevention will use federal and state grant	Director			
to assure a  4.2 Celina and mitiga  13  4.3 Celina wastewate	Prevention will use federal and state grant tion planning.	Director programs to fund mitig Safety Service Director ded, water control stru , water pumps, dams, a	gation efforts, es 7-1-17 ctures and syste	pecially in floo 12-31-22 ms, such as sto	d mitigation PDM HMGP orm sewers,
to assure a  4.2 Celina and mitiga  13  4.3 Celina wastewate	Prevention will use federal and state grant tion planning. Prevention will maintain or replace, as nee or pumping stations, generators	Director programs to fund mitig Safety Service Director ded, water control stru , water pumps, dams, a	gation efforts, es 7-1-17 ctures and syste	pecially in floo 12-31-22 ms, such as sto	d mitigation PDM HMGP orm sewers,
to assure a  4.2 Celina  and mitiga  4.3 Celina  wastewate and/or pro  14  4.4 Celina parking lot	Prevention will use federal and state grant attion planning. Prevention will maintain or replace, as need or pumping stations, generators attect specific areas from flooding	Director programs to fund mitig Safety Service Director ded, water control strue, water pumps, dams, and service Director and detention ponds	7-1-17 ctures and system other structures where new or expenses and structures and other structures and other structures and other structures are structures and other structures are stru	pecially in floo 12-31-22 ms, such as stoures that contr 12-31-22 spanded consti	PDM HMGP orm sewers, ol watershe  Local
to assure a  4.2 Celina  and mitiga  4.3 Celina  wastewate and/or pro  14  4.4 Celina parking lot	Prevention  will use federal and state grant attion planning.  Prevention  will maintain or replace, as need pumping stations, generators of tect specific areas from flooding atticked at the use of retentions, structurally Engineered at the use of retentions, structure the use of retentions, structure the use of retentions.	Director programs to fund mitig Safety Service Director ded, water control strue, water pumps, dams, and service Director and detention ponds	7-1-17 ctures and system other structures where new or expenses and structures and other structures and other structures and other structures are structures and other structures are stru	pecially in floo 12-31-22 ms, such as stoures that contr 12-31-22 spanded consti	PDM HMGP orm sewers, ol watershe  Local
to assure a  4.2 Celina  and mitiga  13  4.3 Celina  wastewate and/or pro  14  4.4 Celina parking lot lack of nat  15  4.5 Celina	Prevention  will use federal and state grant attion planning.  Prevention  will maintain or replace, as need promping stations, generators attect specific areas from flooding.  Structurally Engineered awill require the use of retentions, streets, or other development and watershed process.	Director programs to fund mitig Safety Service Director ded, water control struct, water pumps, dams, and ge. Safety Service Director and detention ponds and may cause flooding to the safety Service Director	7-1-17  others and system of the structure of the structu	pecially in floo 12-31-22 ms, such as stoures that control  12-31-22 spanded constrol  It of increased	PDM HMGP orm sewers, ol watershe  Local ruction, runoff or
1.2 Celina and mitigal 1.3 Celina wastewate and/or product 4 1.4 Celina ack of nat 1.5 Celina wise devel 1.6	Prevention  will use federal and state grant attion planning.  Prevention  will maintain or replace, as need are pumping stations, generators of tect specific areas from flooding.  Structurally Engineered awill require the use of retention areas, streets, or other development and watershed process.  Structurally Engineered will review and enforce existing opment, especially in areas with property Protection	Director programs to fund mitig  Safety Service Director ded, water control strue, water pumps, dams, and gerector and detention ponds and may cause flooding the safety Service Director and detention ponds and may cause flooding the safety Service Director and detention ponds and may cause flooding the safety Service Director and use regulations (and use regulations (and flood vulnerability). Fire Chief	7-1-17 where new or exo occur as a resurrence on the control of th	pecially in floo 12-31-22 ms, such as stoures that control 12-31-22 spanded constrol 12-31-22 ding codes) to	PDM HMGP orm sewers, ol watershe  Local ruction, runoff or  Local facilitate  Local
4.2 Celina and mitiga and mitiga and mitiga 4.3 Celina wastewate and/or product 4.4 Celina ack of nat ack of nat 4.5 Celina wise devel 16 4.6 Celina and 4.6	Prevention  will use federal and state grant ation planning.  Prevention  will maintain or replace, as need are pumping stations, generators atect specific areas from flooding.  Structurally Engineered will require the use of retentions, streets, or other development and watershed process.  Structurally Engineered will review and enforce existing opment, especially in areas with	Director programs to fund mitig  Safety Service Director ded, water control struct, water pumps, dams, and ge. Safety Service Director and detention ponds and may cause flooding to the service Director gland use regulations (and the flood vulnerability). Fire Chief on, and relocation programs	7-1-17 where new or exo occur as a resurrence on the resurrence of	pecially in floo 12-31-22 ms, such as stoures that control 12-31-22 spanded constrol 12-31-22 ding codes) to	PDM HMGP orm sewers, ol watershe  Local ruction, runoff or  Local facilitate  Local

Priority	Action Type	Lead Agency	Start Date	End Date	Funding
18	Nat. Resource Protection	Safety Service Director	7-1-17	12-31-22	Local
	vill work to properly maintain d from consequences of structura		ontrol structure	es to protect pe	ople and
19	Prevention	Safety Service Director	7-1-17	12-31-22	Local ODNR
including th	vill participate in regional effort be creation of wetlands and red acerbation of flood damages.		•	•	
20	Prevention	Safety Service Director	7-1-17	12-31-22	Local
4.10 Celina	will encourage the use of simp	le prevention measures	including the ι	use of sandbag	s to prevent
flooding.					
21	Prevention	Fire Chief	7-1-17	12-31-22	Local

## GOAL 5: CELINA WILL ENGAGE IN MITIGATION ACTIONS THAT ENABLE THE PUBLIC TO OBTAIN AND USE DISASTER INFORMATION TO SAVE LIVES AND PRESERVE PROPERTY FOR ALL HAZARDS PRESENT IN MERCER COUNTY.

### GOAL 6: CELINA WILL ENGAGE IN MITIGATION ACTIONS TO PRESERVE AND PROTECT NATURAL RESOURCES SUCH AS TOPSOIL AND WATERWAYS FROM EROSION.

erosion or degradation through stabilization techniques like lining with rip-rap or large stone.

Local

Safety Service
7-1-17
12-31-22
PDM
FMA
HMGP

6.1 Celina will protect beaches, shorelines, and riverbanks from wind, water and other hazards that cause

6.2 Mercer County will protect roadways from compromised structural integrity, washed away abutments and bridges, degraded berms, or other damage through stabilization and reinforcement techniques

24 Nat. Resource Protection Safety Service Director 7-1-17 12-31-22 Local

### 3.3.4 Chickasaw

Chickasaw is a small village that sits in the higher elevations of Mercer County to the southeast of Celina by several miles. It is located in an area without wooded areas to protect properties and buildings, and is vulnerable to the harsh storms that can pass through the area. Wind can whip the trees and buildings and precipitation can fall with force onto roofs and siding. Because of this, the residents are concerned about wind, severe storms, and tornado to the greatest extent. Any hazard that negatively impacts the trees and vegetation is concerning as these provide the little weather protection the village has. Flooding is a slight concern as

streets fill with water as is rushes to Chickasaw Creek, but this is short-lived. A plentiful water supply feeds individual wells, and buildings have little vulnerability to a mild earthquake. Dam failure is remotely a cause for concern because there are no dams in Chickasaw or Marion Township.

Chickasaw's mayor and fire chief will take responsibility for mitigation actions. The elected and appointed officials are all volunteers; there is only one employee who maintains city streets and infrastructure. Many residents volunteer to help the community with its work.

Table 3-6: Chickasaw Mitigation Goals and Strategies
--

Priority	Action Type	Lead Agency	Start Date	End Date	Funding
	CHICKASAW WILL EMPLOY MITI DRMS, INCLUDING STRAIGHT-LII			ES INCURRED	FROM SEVERE
1.1 Chick	asaw will advocate and support,	and implement on villag	ge-owned prope	erty, the prope	er
maintena	nce of trees and vegetation to re	educe damages caused	by high winds or	r tornadoes.	
1	Property Protection	Mayor	7-1-17	12-31-22	Local
	asaw will advocate for and suppo				s, including
single and	d multi-family homes and neighb				PDM
	Property Protection	Mayor	7-1-17	12-31-22	PDIVI
	CHICKASAW WILL ENGAGE IN M S AND RESOURCE SHORTAGES F		REDUCE DAMA	AGES DUE TO	UTILITY
	asaw will establish redundant su ify and facilitate availability and				
3	Prevention	Mayor	7-1-17	12-31-22	Local HSGP/EMPG
	asaw will encourage the hardeni	-	-		
improver	nents to supply lines and genera	tions plants, and upgrad			mers
4	Prevention	Mayor	7-1-17	12-31-22	Local
RESOUR	CHICKASAW WILL ENGAGE IN M CES SUCH AS TOPSOIL AND WAT	ERWAYS FROM EROSIC	N.		
	asaw will establish conservation nt or contamination.	procedures to be used (	during water em	nergencies or s	shortages due
5	Nat. Resource Protection	Mayor	7-1-17	12-31-22	Local
	asaw will protect shorelines and dation through stabilization techi				cause erosion
6	Nat. Resource Protection	Mayor	7-1-17	12-31-22	Local PDM
	asaw will protect waterways to r getation, grassy stream bottoms	~	~	ion measures	such as cover
7	Nat. Resource Protection	Mayor	7-1-17	12-31-22	Local
water er	asaw will encourage conservatio osion through the use of windbre of preserving the soil	·	•	•	
8	Nat. Resource Protection	Mayor	7-1-17	12-31-22	Local

Priority	Action Type	Lead Agency	Start Date	End Date	Funding
	casaw will protect roadways fro degraded berms, or other dama	•		•	
9	Property Protection	Mayor	7-1-17	12-31-22	Local
	· · ·			-	
	CHICKASAW WILL ENGAGE IN , INCLUDING THUNDERSTORM				
improved	ckasaw will expand and improv d outdoor warning sirens, impro n regarding warning and notific	ovements to the softwar	re used in these s		
10	Public Information	Fire Chief	7-1-17	12-31-22	Local HSGP/EMPG
	casaw will identify and establish or extreme conditions.	locations to be used as	community cent	ers during exte	ended power
11	Public Information	Fire Chief	7-1-17	12-31-22	Local
	casaw will educate the public at		g and notification	systems that i	nform them
	ing severe weather and life-thr	~	7.4.47	42.24.22	Land
12	Public Information	Fire Chief	7-1-17	12-31-22	Local
	casaw will develop and impleme ys and roadways that have bee				_
13	Property Protection	Mayor	7-1-17	12-31-22	Local
5.1 Chick	chickasaw will engage in casaw will join NFIP and suppor casses attributable to flooding, a ment to assure accuracy as nece	t other federal flood mit nd will regularly review	igation programs	that help the	county
14	Prevention	Mayor	7-1-17	12-31-22	Local
	casaw will use federal and state on and mitigation planning.	grant programs to fund	mitigation effort	s, especially in	flood PDM/FMA
15	Prevention	Mayor	7-1-17	12-31-22	HMGP EMPG/HSGP
	casaw will review and enforce e elopment, especially in areas w	-	ons (zoning rules,	building code	s) to facilitate
16	Property Protection	Mayor	7-1-17	12-31-22	Local
watershe					
17	Property Protection	Mayor	7-1-17	12-31-22	Local
collabora	casaw will participate in regional ation including the creation of value of the detection of the detection of the resulting exacerbation of	vetlands and reduction i	·	~	~
18	Nat. Resource Protection	Mayor	7-1-17	12-31-22	Local
parking I	casaw will require the use of ret ots, streets, or other developm atural watershed process.				
19	Structurally Engineered	Mayor	7-1-17	12-31-22	PDM/FMA HMGP

Priority	Action Type	Lead Agency	Start Date	<b>End Date</b>	Funding
5.7 Chick	asaw will advocate that renters	s, landowners, and others	purchase and	maintain reaso	nable casualty
insurance	e, including flood insurance wh	ere appropriate, as mitiga	ation against di	saster losses.	
20	Prevention	Fire Chief	7-1-17	12-31-22	Local

## GOAL 6: CHICKASAW WILL ENGAGE IN MITIGATION ACTIONS THAT ENABLE THE PUBLIC TO OBTAIN AND USE DISASTER INFORMATION TO SAVE LIVES AND PRESERVE PROPERTY FOR ALL HAZARDS PRESENT IN MERCER COUNTY.

6.1 Chickasaw will educate the public about all relevant disaster hazards and vulnerabilities, protective actions, available services, vulnerable populations and available assistance and other emergency procedures using a variety of means to include print and spoken media, digital resources, and other appropriate local resources

21 Public Information Mayor 7-1-17 12-31-22 Local

### 3.3.5 Coldwater

Coldwater is the second-largest municipality and is home to the county's hospital and numerous small businesses, retail centers, and manufacturers. As a miniature center of commerce, the community is most concerned about flooding, specifically flash flooding that fills streets and commercial property. The Coldwater Creek also flows through the village, and while it is well maintained and controlled, it does flood under heavy precipitation, causing residential areas and commercial zones difficulty. Wind in various forms – severe thunderstorms, blizzards, and tornados – is concerning as the commercial buildings, homes, and municipal infrastructure are vulnerable to wind damage. As many other communities, invasive species have caused trees to die and fall, especially during storms. Dam failure ranked higher in Coldwater than many other communities because of the up-ground reservoirs that supply water for city, and the unlikely possibility that one would fail. With a robust water supply, drought is of little concern and earthquake is not a high vulnerability.

The Coldwater mayor and village employees will work together to implement mitigation strategies.

**Table 3-7: Coldwater Mitigation Goals and Strategies** 

Priority	Action Type	Lead Agency	Start Date	End Date	Funding
GOAL 1:	COLDWATER WILL ENGAGE IN N	ITIGATION ACTIONS T	HAT REDUCE [	DAMAGES FRO	M FLOODING
1.1 Coldv	vater will participate in NFIP and	other federal flood mit	igation progra	ms that help t	he county
reduce lo	osses attributable to flooding, an	d will regularly review f	lood maps thro	ough a process	s of public
engagem	ent to assure accuracy as necess	sary.			
1	Prevention	Mayor	7-1-17	12-31-22	LOC
1.2 Coldv	water will use federal and state g	rant programs to fund i	mitigation effo	rts, especially	in flood
mitigatio	n and mitigation planning.				
2	Prevention	Mayor	7-1-17	12-31-22	LOC
1.3 Coldv	water will review and enforce exi	isting land use regulatio	ns (zoning rule	es, building cod	des) to facilitate
wise dev	elopment, especially in areas wit	th flood vulnerability.			
3	Prevention	Mayor	7-1-17	12-31-22	LOC
3	Prevention	Mayor	/-1-1/	12-31-22	ICC

Priority	Action Type	Lead Agency	Start Date	End Date	Funding
	water will require the use of re				
	lots, streets, or other developr atural watershed process.	nent may cause floodinุ	g to occur as a re	esult of increas	sed runoff or
4	Structurally Engineered	Mayor	7-1-17	12-31-22	LOC PDM
1.5 Cold	water will advocate that rente	rs, landowners, and oth	ers purchase and	d maintain rea	sonable casualty
	e, including flood insurance w	• • • •	tigation against o	disaster losses	
5	Property Protection	Mayor	7-1-17	12-31-22	LO ICC
sewers,	water will maintain or replace, wastewater pumping stations, ed and/or protect specific area	generators, water pum			ch as storm
6	Structurally Engineered	Mayor	7-1-17	12-31-22	LOC CDBG
	water will work to properly ma		water control str	uctures to pro	otect people and
properti	es from consequences of struc	tural failure.			100
7	Prevention	Mayor	7-1-17	12-31-22	LOC ST
	water will create vegetative bu unoff until it naturally drains d		natural habitat ir	n low-lying are	eas to hold
8	Structurally Engineered	Mayor	7-1-17	12-31-22	LOC ST
collabor	water will participate in region ation including the creation of nd the resulting exacerbation o Nat. Resource Protection	wetlands and reduction	in the use of ph	osphorus and	~
	Tract Nessance Protection	ayo.	7-1-17	12-31-22	ICC
	dwater will utilize acquisition, d or extremely severe damage			properties th	at have
10	Prevention	Mayor	7-1-17	12-31-22	PDM/FMA/SR LOC
SEVERE 2.1 Cold	COLDWATER WILL EMPLOY N WINDSTORMS, INCLUDING ST water will advocate and suppo	RAIGHT-LINE WINDS AI	ND TORNADOES llage-owned pro	perty, the pro	per
	ance of trees and vegetation to	· ·	,		
11 2.2.Cold	Property Protection water will advocate for and su	Mayor	7-1-17	12-31-22	LOC
	nd multi-family homes and neig	• •			_
12	Property Protection	Mayor	7-1-17	12-31-22	PDM LOC
	water will maintain and enforc struction codes) in an effort to	~	-	and developn	nent regulations
13	Property Protection	Mayor	7-1-17	12-31-22	LOC ICC

Priority	Action Type	Lead Agency	Start Date	<b>End Date</b>	Funding
flooding	water will implement a progr to keep crop fodder and deb	ris out of water treatmen	t plants, sewers,	, transportatio	n routes, and
other inf 14	rastructure, and to keep road Property Protection	dways open and usable as Mayor	s soon as possibl 7-1-17	e after storms. 12-31-22	LOC
	COLDWATER WILL ENGAGE S AND RESOURCE SHORTAG		TO REDUCE DA	MAGES DUE T	O UTILITY
	water will encourage the hard ments to supply lines and ger				
15	Property Protection	Mayor	7-1-17	12-31-22	LOC
	water will establish redundar tify and facilitate availability Property Protection		• •	· ·	•
	COLDWATER WILL ENGAGE , INCLUDING THUNDERSTOR				
STORMS 4.1 Coldy mprove	s, INCLUDING THUNDERSTOR water will expand and improved d outdoor warning sirens, im	RMS AND BLIZZARDS, AND we its public warning and in provements to the software.	O OTHER NATUR notification capa are used in these	RAL DISASTERS bility through e systems, or e	AND CAUSES additional or
4.1 Coldy mproved education	s, INCLUDING THUNDERSTOR water will expand and improv	RMS AND BLIZZARDS, AND we its public warning and in provements to the software.	O OTHER NATUR notification capa are used in these	RAL DISASTERS bility through e systems, or e	AND CAUSES additional or
STORMS  4.1 Coldy improved education  17  4.2 Coldy	water will expand and improved outdoor warning sirens, important regarding warning and not	re its public warning and in provements to the softwar ification of protection ordinates. Fire Chief	notification capa are used in these lers or warnings. 7-1-17 in the removal o	chility through e systems, or e  12-31-22  of dead or disea	additional or nhanced public LOC HSGP/EMPG ased trees alor
4.1 Coldy mprovededucation 17 4.2 Coldy waterwal	water will expand and improved outdoor warning sirens, im on regarding warning and not Public Information water will develop and imple lys and roadways that have be Property Protection	re its public warning and in provements to the softwar ification of protection ordinates. Fire Chief ment a program to assist the affected by Emerald in Mayor	notification capa are used in these lers or warnings. 7-1-17 in the removal of 7-1-17	RAL DISASTERS ability through e systems, or e  12-31-22 of dead or diseather invasive s 12-31-22	additional or nhanced publi LOC HSGP/EMPG ased trees alor pecies LOC
FTORMS  1.1 Coldy mproved education  1.7  1.2 Coldy waterwa 1.8  1.3 Coldy	water will expand and improved outdoor warning sirens, im on regarding warning and not Public Information water will develop and imple bys and roadways that have be	re its public warning and in provements to the softwar ification of protection ordinates. Fire Chief ment a program to assist the affected by Emerald in Mayor about local digital warning and its program to assist the endirected by Emerald in the about local digital warning about local digital warning and its program to assist the endirected by Emerald in the about local digital warning about local digital warning and its province and its program to assist the endirected by Emerald in the about local digital warning and its province and its prov	notification capa are used in these lers or warnings. 7-1-17 in the removal of 7-1-17	RAL DISASTERS ability through e systems, or e  12-31-22 of dead or diseather invasive s 12-31-22	additional or nhanced publi LOC HSGP/EMPG ased trees alor pecies LOC
4.1 Coldy mproved education 17 4.2 Coldy waterward 18 4.3 Coldy of incom	water will expand and improved outdoor warning sirens, im regarding warning and not Public Information water will develop and imple tys and roadways that have be Property Protection water will educate the public	re its public warning and in provements to the softwar ification of protection ordinates. Fire Chief ment a program to assist the affected by Emerald in Mayor about local digital warning and its program to assist the endirected by Emerald in the about local digital warning about local digital warning and its program to assist the endirected by Emerald in the about local digital warning about local digital warning and its province and its program to assist the endirected by Emerald in the about local digital warning and its province and its prov	notification capa are used in these lers or warnings. 7-1-17 in the removal of 7-1-17	RAL DISASTERS ability through e systems, or e  12-31-22 of dead or diseather invasive s 12-31-22	additional or nhanced publi LOC HSGP/EMPG ased trees alor pecies LOC
4.1 Coldy improved education 17 4.2 Coldy waterwa 18 4.3 Coldy of incom 19	water will expand and improved outdoor warning sirens, im regarding warning and not Public Information water will develop and imple ays and roadways that have be Property Protection water will educate the public ling severe weather and life-to-	re its public warning and in provements to the softwar ification of protection ordination of protection ordination appropriate the affected by Emerald in Mayor about local digital warning threatening incidents.	notification capa are used in these lers or warnings. 7-1-17 in the removal of 7-1-17 ag and notification	systems, or e  12-31-22  of dead or disector invasive s  12-31-22  on systems tha	additional or nhanced publi LOC HSGP/EMPG ased trees alor pecies LOC t inform them

## GOAL 5: COLDWATER WILL ENGAGE IN MITIGATION ACTIONS THAT ENABLE THE PUBLIC TO OBTAIN AND USE DISASTER INFORMATION TO SAVE LIVES AND PRESERVE PROPERTY FOR ALL HAZARDS PRESENT IN MERCER COUNTY

5.1 Coldwater will educate the public about all relevant disaster hazards and vulnerabilities, protective actions, available services, vulnerable populations and available assistance and other emergency procedures using a variety of means to include print and spoken media, digital resources, and other appropriate local resources.

21 Public Information Fire Chief 7-1-17 12-31-22 LOC
HSGP/EMPG

## GOAL 6: COLDWATER WILL ENGAGE IN MITIGATION ACTIONS TO PRESERVE AND PROTECT NATURAL RESOURCES SUCH AS TOPSOIL AND WATERWAYS FROM EROSION

6.1 Coldwater will protect shorelines and riverbanks from wind, water and other hazards that cause erosion or degradation through stabilization techniques like lining with rip-rap or large stone.

Priority	Action Type	Lead Agency	Start Date	End Date	Funding				
22	Nat. Resource Protection	Mayor	7-1-17	12-31-22	LOC				
6.3 Cold	6.3 Coldwater will establish conservation procedures to be used during water emergencies or shortages due								
to droug	ht or contamination.								
23	Nat. Resource Protection	Mavor	7-1-17	12-31-22	LOC				
23	itat. Resource Froteetion	iviayor	,,	12 31 22	COG				

### 3.3.6 Fort Recovery

Fort Recovery is no stranger to serious flooding. Sitting at the headwaters of the Wabash River, the village floods and becomes impassable during heavy precipitation events. Many local industries, some using chemicals and storing flood-vulnerable supplies, are hampered and closed when the floods strike. They also are concerned over high wind events and strong storms that can cause power outages, close roads with debris and sediment, and damage properties with fallen trees and other debris. Dam failure is a concern because a Class I dam is close to the village on the Wabash. Invasive species, drought, and earthquake concern them less in this quaint well-kept village in the southwestern corner of Mercer County.

The mayor and paid staff will be responsible for implementing the mitigation strategies.

Table 3-8: Fort Recovery Mitigation Goals and Strategies								
Priority	Action Type	Lead Agency	Start Date	End Date	Funding			
GOAL 1: FORT RECOVERY WILL ENGAGE IN MITIGATION ACTIONS THAT REDUCE DAMAGES FROM FLOODING.								
	Recovery will utilize acquisiti d or extremely severe damag		, -	properties th	at have			
1	Prevention	Mayor	7-1-17	12-31-22	PDM/FMA LOC			
sewers,	Recovery will maintain or repwastewater pumping station ed and/or protect specific are	s, generators, water pumps			nat control			
2	Structurally Engineered	Mayor	7-1-17	12-31-22	LOC ST ICC			
reduce l	Recovery will participate in Nosses attributable to flooding nent to assure accuracy as ne	g, and will regularly review t		•	•			
3	Prevention	Mayor	7-1-17	12-31-22	LOC			
	Recovery will use federal and on and mitigation planning	d state grant programs to fu	ınd mitigation ef	forts, especial	y in flood			
4	Prevention	Mayor	7-1-17	12-31-22	LOC PDM			
1.5 Fort Recovery will advocate that renters, landowners, and others purchase and maintain reasonable casualty insurance, including flood insurance where appropriate, as mitigation against disaster losses								
5			7-1-17	12-31-22	LOC ICC			

runoff or lack of natural watershed process 7 Structurally Engineered Mayor 7-1-17 12-31-22 CDBG PDM 1.8 Fort Recovery will work to properly maintain dams and other water control structures to protect pread properties from consequences of structural failure 8 Property Protection Mayor 7-1-17 12-31-22 LOC ST 1.9 Fort Recovery will utilize elevation to protect critical infrastructure and property from flooding, and identify methods to prevent hazardous materials and other industrial equipment from endangering residents during flooding. 9 Property Protection Mayor 7-1-17 12-31-22 LOC PDM/ 1.10 Ft Recovery will remove debris and obstructions from village-owned waterways 10 Property Protection Mayor 7-1-17 12-31-22 LOC 1.11 Fort Recovery will participate in regional efforts to reduce vulnerability to flood damages through collaboration including the creation of wetlands and reduction in the use of phosphorus and nitrogen of lawns and the resulting exacerbation of flood damages 11 Nat. Resource Protection Mayor 7-1-17 12-31-22 LOC 1.12 Fort Recovery will create buffer zones and restore natural habitat in low-lying areas to hold excess runoff until it naturally drains downstream. 12 Nat. Resource Protection Mayor 7-1-17 12-31-22 LOC GOAL 2: FORT Recovery will make residents aware of and facilitate the use of simple prevention measures including the use of sand bags during severe storms. 13 Property Protection Mayor 7-1-17 12-31-22 LOC GOAL 2: FORT RECOVERY WILL EMPLOY MITIGATION ACTIONS TO REDUCE DAMAGES INCURRED FRC SEVERE WINDSTORMS, INCLUDING STRAIGHT-LINE WINDS AND TORNADOES 2.1 Fort Recovery will 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 14 Property Protection Mayor 7-1-17 12-31-22 LOC 2.2 FORT Recovery will advocate for and support the creation of safe rooms for vulnerable locations, incingle and multi-family homes and neighborhoods without basements or shelters. 15 Property Protection Mayor 7-	Priority	Action Type	Lead Agency	Start Date	End Date	Funding			
COUNTY TO THE RECOVERY WILL EMPLOY MAYOR 7-1-17 12-31-22 LOC RECOVERY WILL EMPLOY MAYOR 7-1-17 12-31-22 LOC RECOVERY WILL EMPLOY MILL EMPLOY WILL EMPL									
construction, parking lots, streets, or other development may cause flooding to occur as a result of incrunoff or lack of natural watershed process  7				·	12-31-22				
The Structurally Engineered Mayor 7-1-17 12-31-22 CDBG PDM 1.8 Fort Recovery will work to properly maintain dams and other water control structures to protect properly and properties from consequences of structural failure  8	construction, parking lots, streets, or other development may cause flooding to occur as a result of increased								
Property Protection Mayor 7-1-17 12-31-22 LOC ST 1.10 Ft Recovery will perturbed in regional efforts to reduce vulnerability to flood damages through collaboration including the creation of wetlands and resource protection including exacerbation of flood damages and the resulting exacerbation of flood damages and restore natural habitat in low-lying areas to hold excess runoff until it naturally drains downstream.  12 Nat. Resource Protection Mayor 7-1-17 12-31-22 LOC ST 1.13 Fort Recovery will make residents aware of and facilitate the use of simple prevention measures including the use of sand bags during severe storms.  13 Property Protection Mayor 7-1-17 12-31-22 LOC ST 1.13 Fort Recovery will make residents aware of and facilitate the use of simple prevention measures including the use of sand bags during severe storms.  14 Property Protection Mayor 7-1-17 12-31-22 LOC SEVERE WINDSTORMS, INCLUDING STRAIGHT-LINE WINDS AND TORNADOES  2.1 Fort Recovery will 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 14 Property Protection Mayor 7-1-17 12-31-22 LOC SEVERE WINDSTORMS, INCLUDING STRAIGHT-LINE WINDS AND TORNADOES  2.2 Fort Recovery will advocate for and support the creation of safe rooms for vulnerable locations, including and multi-family homes and neighborhoods without basements or shelters.  15 Property Protection Mayor 7-1-17 12-31-22 LOC 2.3 Fort Recovery will maintain and enforce land use regulations (including zoning and development regulations and construction codes) in an effort to reduce storm damages to properties		·		7-1-17	12-31-22				
Property Protection Mayor 7-1-17 12-31-22 ST  1.9 Fort Recovery will utilize elevation to protect critical infrastructure and property from flooding, and identify methods to prevent hazardous materials and other industrial equipment from endangering residents during flooding.  9 Property Protection Mayor 7-1-17 12-31-22 LOC PDM/  1.10 Ft Recovery will remove debris and obstructions from village-owned waterways  10 Property Protection Mayor 7-1-17 12-31-22 LOC  1.11 Fort Recovery will participate in regional efforts to reduce vulnerability to flood damages through collaboration including the creation of wetlands and reduction in the use of phosphorus and nitrogen clawns and the resulting exacerbation of flood damages  11 Nat. Resource Protection Mayor 7-1-17 12-31-22 LOC ICC  1.12 Fort Recovery will create buffer zones and restore natural habitat in low-lying areas to hold excess runoff until it naturally drains downstream.  12 Nat. Resource Protection Mayor 7-1-17 12-31-22 LOC ST  1.13 Fort Recovery will make residents aware of and facilitate the use of simple prevention measures including the use of sand bags during severe storms.  13 Property Protection Mayor 7-1-17 12-31-22 LOC  GOAL 2: FORT RECOVERY WILL EMPLOY MITIGATION ACTIONS TO REDUCE DAMAGES INCURRED FRC SEVERE WINDSTORMS, INCLUDING STRAIGHT-LINE WINDS AND TORNADOES  2.1 Fort Recovery will 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  14 Property Protection Mayor 7-1-17 12-31-22 LOC  2.2 Fort Recovery will advocate for and support the creation of safe rooms for vulnerable locations, incoming and multi-family homes and neighborhoods without basements or shelters.  15 Property Protection Mayor 7-1-17 12-31-22 LOC  2.3 Fort Recovery will maintain and enforce land use regulations (including zoning and development regulations and construction codes) in an effort to reduce storm damages to properties				r water control s	tructures to pr	otect people			
identify methods to prevent hazardous materials and other industrial equipment from endangering residents during flooding.  9		·		7-1-17	12-31-22				
Property Protection Mayor 7-1-17 12-31-22 PDM/  1.10 Ft Recovery will remove debris and obstructions from village-owned waterways  10 Property Protection Mayor 7-1-17 12-31-22 LOC  1.11 Fort Recovery will participate in regional efforts to reduce vulnerability to flood damages through collaboration including the creation of wetlands and reduction in the use of phosphorus and nitrogen clawns and the resulting exacerbation of flood damages  11 Nat. Resource Protection Mayor 7-1-17 12-31-22 LOC  1.12 Fort Recovery will create buffer zones and restore natural habitat in low-lying areas to hold excess runoff until it naturally drains downstream.  12 Nat. Resource Protection Mayor 7-1-17 12-31-22 LOC  1.13 Fort Recovery will make residents aware of and facilitate the use of simple prevention measures including the use of sand bags during severe storms.  13 Property Protection Mayor 7-1-17 12-31-22 LOC  GOAL 2: FORT RECOVERY WILL EMPLOY MITIGATION ACTIONS TO REDUCE DAMAGES INCURRED FROM SEVERE WINDSTORMS, INCLUDING STRAIGHT-LINE WINDS AND TORNADOES  2.1 Fort Recovery will 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  14 Property Protection Mayor 7-1-17 12-31-22 LOC  2.2 Fort Recovery will advocate for and support the creation of safe rooms for vulnerable locations, incingle and multi-family homes and neighborhoods without basements or shelters.  15 Property Protection Mayor 7-1-17 12-31-22 LOC  2.3 Fort Recovery will maintain and enforce land use regulations (including zoning and development regulations and construction codes) in an effort to reduce storm damages to properties  16 Prevention	identify r	methods to prevent hazardous	•	•	•	_			
Property Protection Mayor 7-1-17 12-31-22 LOC 1.11 Fort Recovery will participate in regional efforts to reduce vulnerability to flood damages through collaboration including the creation of wetlands and reduction in the use of phosphorus and nitrogen of lawns and the resulting exacerbation of flood damages  11 Nat. Resource Protection Mayor 7-1-17 12-31-22 LOC ICC 1.12 Fort Recovery will create buffer zones and restore natural habitat in low-lying areas to hold excess trunoff until it naturally drains downstream.  12 Nat. Resource Protection Mayor 7-1-17 12-31-22 LOC ST 1.13 Fort Recovery will make residents aware of and facilitate the use of simple prevention measures including the use of sand bags during severe storms.  13 Property Protection Mayor 7-1-17 12-31-22 LOC GOAL 2: FORT RECOVERY WILL EMPLOY MITIGATION ACTIONS TO REDUCE DAMAGES INCURRED FROSEVERE WINDSTORMS, INCLUDING STRAIGHT-LINE WINDS AND TORNADOES 2.1 Fort Recovery will 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 14 Property Protection Mayor 7-1-17 12-31-22 LOC 2.2 Fort Recovery will advocate for and support the creation of safe rooms for vulnerable locations, including and multi-family homes and neighborhoods without basements or shelters.  15 Property Protection Mayor 7-1-17 12-31-22 PDM LOC 2.3 Fort Recovery will maintain and enforce land use regulations (including zoning and development regulations and construction codes) in an effort to reduce storm damages to properties	9	Property Protection	Mayor	7-1-17	12-31-22	LOC PDM/FMA			
Nat. Resource Protection Mayor 7-1-17 12-31-22 LOC ICC  1.12 Fort Recovery will create buffer zones and restore natural habitat in low-lying areas to hold excess runoff until it naturally drains downstream.  12 Nat. Resource Protection Mayor 7-1-17 12-31-22 LOC ST  1.13 Fort Recovery will make residents aware of and facilitate the use of simple prevention measures including the use of sand bags during severe storms.  13 Property Protection Mayor 7-1-17 12-31-22 LOC  GOAL 2: FORT RECOVERY WILL EMPLOY MITIGATION ACTIONS TO REDUCE DAMAGES INCURRED FROSEVERE WINDSTORMS, INCLUDING STRAIGHT-LINE WINDS AND TORNADOES  2.1 Fort Recovery will 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  14 Property Protection Mayor 7-1-17 12-31-22 LOC  2.2 Fort Recovery will advocate for and support the creation of safe rooms for vulnerable locations, including and multi-family homes and neighborhoods without basements or shelters.  15 Property Protection Mayor 7-1-17 12-31-22 PDM LOC  2.3 Fort Recovery will maintain and enforce land use regulations (including zoning and development regulations and construction codes) in an effort to reduce storm damages to properties  16 Prevention Mayor 7-1-17 12-31-22 LOC	1.11 Fort	Recovery will participate in reation including the creation of	egional efforts to reduce wetlands and reduction in	ulnerability to fl	ood damages	through			
1.12 Fort Recovery will create buffer zones and restore natural habitat in low-lying areas to hold excess runoff until it naturally drains downstream.  12 Nat. Resource Protection Mayor 7-1-17 12-31-22 LOC ST  1.13 Fort Recovery will make residents aware of and facilitate the use of simple prevention measures including the use of sand bags during severe storms.  13 Property Protection Mayor 7-1-17 12-31-22 LOC  GOAL 2: FORT RECOVERY WILL EMPLOY MITIGATION ACTIONS TO REDUCE DAMAGES INCURRED FROSEVERE WINDSTORMS, INCLUDING STRAIGHT-LINE WINDS AND TORNADOES  2.1 Fort Recovery will 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  14 Property Protection Mayor 7-1-17 12-31-22 LOC  2.2 Fort Recovery will advocate for and support the creation of safe rooms for vulnerable locations, incisingle and multi-family homes and neighborhoods without basements or shelters.  15 Property Protection Mayor 7-1-17 12-31-22 PDM LOC  2.3 Fort Recovery will maintain and enforce land use regulations (including zoning and development regulations and construction codes) in an effort to reduce storm damages to properties  16 Prevention Mayor 7-1-17 12-31-22 LOC		_	_	7-1-17	12-31-22				
Nat. Resource Protection Mayor 7-1-17 12-31-22 ST  1.13 Fort Recovery will make residents aware of and facilitate the use of simple prevention measures including the use of sand bags during severe storms.  13 Property Protection Mayor 7-1-17 12-31-22 LOC  GOAL 2: FORT RECOVERY WILL EMPLOY MITIGATION ACTIONS TO REDUCE DAMAGES INCURRED FROSEVERE WINDSTORMS, INCLUDING STRAIGHT-LINE WINDS AND TORNADOES  2.1 Fort Recovery will 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  14 Property Protection Mayor 7-1-17 12-31-22 LOC  2.2 Fort Recovery will advocate for and support the creation of safe rooms for vulnerable locations, including and multi-family homes and neighborhoods without basements or shelters.  15 Property Protection Mayor 7-1-17 12-31-22 PDM LOC  2.3 Fort Recovery will maintain and enforce land use regulations (including zoning and development regulations and construction codes) in an effort to reduce storm damages to properties  16 Prevention Mayor 7-1-17 12-31-22		•		nabitat in low-lyii	ng areas to hol				
Property Protection Mayor 7-1-17 12-31-22 LOC  GOAL 2: FORT RECOVERY WILL EMPLOY MITIGATION ACTIONS TO REDUCE DAMAGES INCURRED FROSEVERE WINDSTORMS, INCLUDING STRAIGHT-LINE WINDS AND TORNADOES  2.1 Fort Recovery will 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  14 Property Protection Mayor 7-1-17 12-31-22 LOC  2.2 Fort Recovery will advocate for and support the creation of safe rooms for vulnerable locations, including and multi-family homes and neighborhoods without basements or shelters.  15 Property Protection Mayor 7-1-17 12-31-22 PDM LOC  2.3 Fort Recovery will maintain and enforce land use regulations (including zoning and development regulations and construction codes) in an effort to reduce storm damages to properties  16 Prevention Mayor 7-1-17 12-31-22 LOC	12	Nat. Resource Protection	Mayor	7-1-17	12-31-22				
GOAL 2: FORT RECOVERY WILL EMPLOY MITIGATION ACTIONS TO REDUCE DAMAGES INCURRED FROM SEVERE WINDSTORMS, INCLUDING STRAIGHT-LINE WINDS AND TORNADOES  2.1 Fort Recovery will 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  14 Property Protection Mayor 7-1-17 12-31-22 LOC  2.2 Fort Recovery will advocate for and support the creation of safe rooms for vulnerable locations, including and multi-family homes and neighborhoods without basements or shelters.  15 Property Protection Mayor 7-1-17 12-31-22 PDM LOC  2.3 Fort Recovery will maintain and enforce land use regulations (including zoning and development regulations and construction codes) in an effort to reduce storm damages to properties  16 Prevention Mayor 7-1-17 12-31-22 LOC				ne use of simple p	orevention me	asures			
2.1 Fort Recovery will 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  14    Property Protection	13	Property Protection	Mayor	7-1-17	12-31-22	LOC			
Property Protection Mayor 7-1-17 12-31-22 LOC 2.2 Fort Recovery will advocate for and support the creation of safe rooms for vulnerable locations, incoming and multi-family homes and neighborhoods without basements or shelters.  15 Property Protection Mayor 7-1-17 12-31-22 PDM LOC 2.3 Fort Recovery will maintain and enforce land use regulations (including zoning and development regulations and construction codes) in an effort to reduce storm damages to properties  16 Prevention Mayor 7-1-17 12-31-22 LOC	SEVERE \	WINDSTORMS, INCLUDING ST Recovery will advocate and su	RAIGHT-LINE WINDS ANI	O TORNADOES village-owned pr	roperty, the pr				
single and multi-family homes and neighborhoods without basements or shelters.  15 Property Protection Mayor 7-1-17 12-31-22 PDM LOC  2.3 Fort Recovery will maintain and enforce land use regulations (including zoning and development regulations and construction codes) in an effort to reduce storm damages to properties  16 Prevention Mayor 7-1-17 12-31-22 LOC		· ·	· ·	, ,		LOC			
15 Property Protection Mayor 7-1-17 12-31-22 LOC  2.3 Fort Recovery will maintain and enforce land use regulations (including zoning and development regulations and construction codes) in an effort to reduce storm damages to properties  16 Prevention Mayor 7-1-17 12-31-22 LOC		•				ions, includin			
regulations and construction codes) in an effort to reduce storm damages to properties  16 Prevention Mayor 7-1-17 12-31-22	15	Property Protection	Mayor	7-1-17	12-31-22				
16 Prevention Mayor 7-1-17 17-31-22		•	~	•	~	ment			
ICC	16	Prevention	Mayor	7-1-17	12-31-22	LOC ICC			

Priority	Action Type	Lead Agency	Start Date	End Date	Funding			
2.4 Fort Recovery will 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.								
17	Property Protection	Mayor	7-1-17	12-31-22	LOC			
OUTAGE	FORT RECOVERY WILL ENGAGE S AND RESOURCE SHORTAGES F	ROM ALL CAUSES						
	Recovery will establish redundar identify and facilitate availability		•		•			
18	Property Protection	Mayor	7-1-17	12-31-22	LOC ICC			
	Recovery will encourage the hard nprovements to supply lines and	~	-		ansformers.			
19	Property Protection	Mayor	7-1-17	12-31-22	LOC ICC			
RESOUR 4.1 Fort I	FORT RECOVERY WILL ENGAGE CES SUCH AS TOPSOIL AND WAT Recovery will protect shorelines or degradation through stabilizat	ERWAYS FROM EROSI and riverbanks from wi	<b>ON</b> ind, water and ot	her hazards th				
20	Nat. Resource Protection	Mayor	7-1-17	12-31-22	LOC			
or water	Recovery will encourage conservers of wind erosion through the use of wind ethods of preserving the soil	· · · · · · · · · · · · · · · · · · ·		•				
21	Nat. Resource Protection	Mayor	7-1-17	12-31-22	LOC COG ICC			
	Recovery will establish conservat rought or contaminated water su	•	ised during water	emergencies	or shortages			
22	Nat. Resource Protection	Mayor	7-1-17	12-31-22	LOC ICC			
	Recovery will protect roadways vaway foundations or abutments,	•						
23	Property Protection	Mayor	7-1-17	12-31-22	LOC CDBG			
STORMS	FORT RECOVERY WILL ENGAGE , INCLUDING THUNDERSTORMS	AND BLIZZARDS, AND	OTHER NATURA	L DISASTERS A	ND CAUSES			

5.1 Fort Recovery will expand and improve its public warning and notification capability through additional or improved outdoor warning sirens, improvements to the software used in these systems, or enhanced public education regarding warning and notification of protection orders or warnings

24 Public Information Fire Chief 7-1-17 12-31-22 LOC HSGP/EMPG

5.2 Fort Recovery will develop and implement a program to assist in the removal of dead or diseased trees along waterways and roadways that have been affected by Emerald Ash Borer and other invasive species

Priority	Action Type	Lead Agency	Start Date	End Date	Funding			
25	Property Protection	Mayor	7-1-17	12-31-22	LOC			
23	Froperty Frotection	iviayoi	7-1-17	12-31-22	ICC			
	5.3 Fort Recovery will educate the public about local digital warning and notification systems that inform them of incoming severe weather and life-threatening incidents							
26	Public Information	Mayor	7-1-17	12-31-22	LOC HSGP/EMPG			
	5.4 Fort Recovery will identify and establish locations to be used as community centers during extended power outages or extreme conditions							
27	Public Information	Fire Chief	7-1-17	12-31-22	LOC OTH			

# GOAL 6: FORT RECOVERY WILL ENGAGE IN MITIGATION ACTIONS THAT ENABLE THE PUBLIC TO OBTAIN AND USE DISASTER INFORMATION TO SAVE LIVES AND PRESERVE PROPERTY FOR ALL HAZARDS PRESENT IN MERCER COUNTY

6.1 Fort Recovery will educate the public about all relevant disaster hazards and vulnerabilities, protective actions, available services, vulnerable populations and available assistance and other emergency procedures using a variety of means to include print and spoken media, digital resources, and other appropriate local resources.

20	Dublic Information	Fire Chief	7-1-17	12 21 22	LOC
28	Public Information	Fire Chief	/-1-1/	12-31-22	HSGP/FMPG

#### 3.3.7 Mendon

This small village situated in the northeast of Mercer County is concerned about wind, tornados, and severe storms because of the debris management issues associated with fallen trees and property damage. They see invasive species as a threat because the trees are severely damaged and destroyed, creating an even great debris issue after significant storms. They have little concern about dam failure because there are no classified dams in the area; and drought is of little concern because of the robust well water supply. With so few buildings in the village, little would be damaged by an earthquake unless it was so significant that one and two story homes were destroyed.

The mayor and village workers will implement the mitigation actions.

**Table 3-9: Mendon Mitigation Goals and Strategies** 

Priority	Action Type	Lead Agency	Start Date	End Date	Funding				
GOAL 1: MENDON WILL EMPLOY MITIGATION ACTIONS TO REDUCE DAMAGES INCURRED FROM SEVERE WINDSTORMS, INCLUDING STRAIGHT-LINE WINDS AND TORNADOES.									
	1.1 Mendon will 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								
1	Property Protection	Mayor	7-1-17	12-31-22	LOC				
	1.2 Mendon will advocate for and support the creation of safe rooms for vulnerable locations, including single and multi-family homes and neighborhoods without basements or shelters								
2	Property Protection	Mayor	7-1-17	12-31-22	PDM LOC				

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Priority	Action Type	Lead Agency	Start Date	End Date	Funding				
	1.3 Mendon will maintain and enforce land use regulations (including zoning and development regulations								
	struction codes) in an effort to								
3	Prevention	Mayor	7-1-17	12-31-22	LOC				
	don will implement a program								
	to keep crop fodder and debris								
	rastructure, and to keep roady	• •	•						
4	Property Protection	Mayor	7-1-17	12-31-22	LOC				
	MENDON WILL ENGAGE IN MISS AND RESOURCE SHORTAGES		O REDUCE DAN	MAGES DUE T	O UTILITY				
2.1 Men	don will encourage the hardeni	ing of utilities through	damage resista	ant installatio	n below grade,				
improve	ments to supply lines and gene	rations plants, and upg	grade of substa	itions and tra	nsformers				
					LOC				
5	Property Protection	Mayor	7-1-17	12-31-22	OTH				
					ICC				
	don will establish redundant su	• •	•						
	tify and facilitate availability an			•					
6	Property Protection	Mayor	7-1-17	12-31-22	LOC				
	MENDON WILL ENGAGE IN MI , INCLUDING THUNDERSTORM								
	don will educate the public abo g severe weather and life-threa	~	g and notificati	on systems th	nat inform them of				
7	Public Information	Fire Chief	7-1-17	12-31-22	LOC HSGP/EMPG				
improve	don will expand and improve it d outdoor warning sirens, impr n regarding warning and notifi	ovements to the softw	are used in the	ese systems, o					
8	Public Information	Fire Chief	7-1-17	12-31-22	LOC HSGP/EMPG				
	don will identify and establish l or extreme conditions	ocations to be used as	community ce	nters during	·				
9	Public Information	Fire Chief	7-1-17	12-31-22	LOC OTH				
3.4 Men	don will develop and implemer	nt a program to assist in	n the removal	of dead or dis	eased trees along				
waterwa	ys and roadways that have bee	en affected by Emerald	Ash Borer and	other invasiv	e species				
10	Droporty Protection	Mayor	7-1-17	12-31-22	LOC				
10	Property Protection	Mayor	/-1-1/	12-21-22	ICC				
GOAL 4:	GOAL 4: MENDON WILL ENGAGE IN MITIGATION ACTIONS THAT REDUCE DAMAGES FROM FLOODING								

4.1 Mendon will 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

11 Prevention Mayor 7-1-17 12-31-22 LOC

4.2 Mendon will 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

Priority	Action Type	Lead Agency	Start Date	<b>End Date</b>	Funding
					LOC
12	Structurally Engineered	Mayor	7-1-17	12-31-22	ST
12	Structurally Engineered	Mayor	/-1-1/	12-31-22	ICC
					CDBG
4.3 Mend	don will use federal and state	e grant programs to fun	d mitigation eff	orts, especial	ly in flood
mitigatio	on and mitigation planning				
13	Property Protection	Mayor	7-1-17	12-31-22	LOC
	don will review and enforce $\epsilon$	•	. •	les, building c	odes) to facilitate
wise dev	elopment, especially in areas	with flood vulnerabilit	У		
14	Prevention	Mayor	7-1-17	12-31-22	LOC
4.5 Men	don will advocate that renter	s, landowners, and oth	ers purchase an	d maintain re	asonable casualty
insuranc	e, including flood insurance v	vhere appropriate, as n	nitigation agains	st disaster los	ses
<b>1</b> F	Dranarty Drataction	Mayor	7 1 17	12 21 22	LOC
15	Property Protection	Mayor	7-1-17	12-31-22	LOC ICC
	Property Protection don will utilize acquisition, de	<i>'</i>			ICC
4.6 Men	• •	emolition, and relocation			ICC
4.6 Men	don will utilize acquisition, de	emolition, and relocation			ICC
4.6 Meno extremel	don will utilize acquisition, de	emolition, and relocation			ICC at have repeated o
4.6 Meno extremel	don will utilize acquisition, de ly severe damage from floods	emolition, and relocations and flash floods	n programs for	properties th	ICC at have repeated o PDM/FMA/HMG
4.6 Meno extremel	don will utilize acquisition, de ly severe damage from floods	emolition, and relocations and flash floods  Mayor	n programs for 7-1-17	properties th	ICC at have repeated o PDM/FMA/HMG SRL
4.6 Mendextremel	don will utilize acquisition, de ly severe damage from floods Prevention	emolition, and relocations and flash floods  Mayor	n programs for 7-1-17	properties th	ICC at have repeated o PDM/FMA/HMG SRL
4.6 Meno extremel 16 4.7 Meno 17	don will utilize acquisition, de ly severe damage from floods Prevention don will remove debris and o	emolition, and relocations and flash floods  Mayor  bstructions from village  Mayor	7-1-17 2-owned waterv 7-1-17	properties th  12-31-22  vays  12-31-22	ICC at have repeated of PDM/FMA/HMG SRL LOC
4.6 Meno extremel 16 4.7 Meno 17 4.8 Meno	don will utilize acquisition, de ly severe damage from floods Prevention don will remove debris and o Property Protection	emolition, and relocations and flash floods  Mayor  bstructions from village  Mayor	7-1-17 2-owned waterv 7-1-17	properties th  12-31-22  vays  12-31-22	ICC at have repeated o  PDM/FMA/HMG SRL LOC
extremel 16 4.7 Meno 17 4.8 Meno	don will utilize acquisition, de ly severe damage from floods Prevention don will remove debris and o Property Protection don will create buffer zones a	emolition, and relocations and flash floods  Mayor  bstructions from village  Mayor	7-1-17 2-owned waterv 7-1-17	properties th  12-31-22  vays  12-31-22	ICC at have repeated of PDM/FMA/HMG SRL LOC LOC LOC
4.6 Meno extremel 16 4.7 Meno 17 4.8 Meno	don will utilize acquisition, de ly severe damage from floods Prevention don will remove debris and o Property Protection don will create buffer zones a	emolition, and relocations and flash floods  Mayor  bstructions from village  Mayor	7-1-17 2-owned waterv 7-1-17	properties th  12-31-22  vays  12-31-22	ICC at have repeated o  PDM/FMA/HMG SRL LOC

# GOAL 5: MENDON WILL ENGAGE IN MITIGATION ACTIONS THAT ENABLE THE PUBLIC TO OBTAIN AND USE DISASTER INFORMATION TO SAVE LIVES AND PRESERVE PROPERTY FOR ALL HAZARDS PRESENT IN MERCER COUNTY

5.1 Mendon will educate the public about all relevant disaster hazards and vulnerabilities, protective actions, available services, vulnerable populations and available assistance and other emergency procedures using a variety of means to include print and spoken media, digital resources, and other appropriate local resources.

19 Public Information Fire Chief 7-1-17 12-31-22 EMPG/HSGP LOC

### GOAL 6: MENDON WILL ENGAGE IN MITIGATION ACTIONS TO PRESERVE AND PROTECT NATURAL RESOURCES SUCH AS TOPSOIL AND WATERWAYS FROM EROSION

6.1 Mendon will protect roadways vulnerable to compromised structure integrity, damaged berms, washed away foundations or abutments, or other deterioration due to severe storms

20 Property Protection Mayor 7-1-17 12-31-22 LOC CDBG

6.2 Mendon will establish conservation procedures to be used during water emergencies or shortages due to drought or contaminated water supplies.

Priority	Action Type	Lead Agency	Start Date	<b>End Date</b>	Funding
					LOC
20	Nat. Resource Protection	Mavor	7-1-17	12-31-22	ICC
20	Nat. Resource Protection	iviayoi	/-1-1/	12-31-22	COG
					ST

#### 3.3.8 Montezuma

Tourists and temporary guests cluster in Montezuma because it lies on the southwest corner of Grand Lake St. Marys. The cottages, cabins, and rental/lease properties are lakefront residences for non-residents. Other homes are occupied by full time residents who are concerned about wind and tornado damage first and then flooding. The rolling area around the lake consists of many short streets where water collects as the village copes with heavy rain. Severe thunderstorms and winter storms can inundate the community, and power outages can cause disruption of activities when they occur. Drought and extreme heat sometimes challenge the lake levels and impede tourism in this community. While an ODNR-owned and maintained dam keeps lake levels at the proper height, residents are only slightly concerned about dam failure. Should that occur, it could be devastating to the community as homes, cabins, and cottages were flooded and businesses were inundated with water. They are not significantly concerned over invasive species and earthquake as there is little property and few trees to destroy.

The volunteer village officials, led by the mayor, will implement the mitigation strategies.

	Table 3-10: N	Montezuma Mitigation	Goals and Stra	ategies		
Priority	Action Type	Lead Agency	Start Date	<b>End Date</b>	Funding	
	MONTEZUMA WILL EMPLOY WINDSTORMS, INCLUDING S				ED FROM	
1.1 Mon	tezuma will maintain and enf	orce land use regulations	s (including zonir	ng and develop	ment	
regulation	ons and construction codes) in	n an effort to reduce stor	m damages to p	roperties		
1	Prevention	Mayor	7-1-17	12-31-22	LOC ICC	
1.2 Mon	tezuma will advocate and sup	pport, and implement on	village-owned p	roperty, the pr	oper	
mainten	ance of trees and vegetation	to reduce damages cause	ed by high winds	or tornadoes		
2	Property Protection	Mayor	7-1-17	12-31-22	LOC	
	tezuma will advocate for and multi-family homes and ne	• •			ions, including	
3	Property Protection	Mayor	7-1-17	12-31-22	PDM LOC	
	1.4 Montezuma will 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,					

### GOAL 2: MONTEZUMA WILL ENGAGE IN MITIGATION ACTIONS THAT REDUCE DAMAGES FROM FLOODING

7-1-17

12-31-22

and other infrastructure, and to keep roadways open and usable as soon as possible after storms

Mayor

Property Protection

	ntezuma will participate in NFIP a		-	~	•
	losses attributable to flooding, a ment to assure accuracy as nece		ew flood maps th	rough a proces	ss of public
5	Prevention	Mayor	7-1-17	12-31-22	LOC
	ntezuma will properly maintain d		r control structur	es to protect p	eople and
propert	ies from consequences of structi	ural failure.			10001
6	Structurally Engineered	Mayor	7-1-17	12-31-22	LOCST ICC
2.3 Mor	ntezuma will maintain or replace	, as needed, water co	ontrol structures	and systems, s	
	wastewater pumping stations, g	•	mps, dams, and c	ther structure	s that control
watersh	ned and/or protect specific areas	from flooding			LOC
7	Structurally Engineered	Mayor	7-1-17	12-31-22	ST
	, 0	,			ICC
	ntezuma will use federal and stat	e grant programs to	fund mitigation e	efforts, especia	lly in flood
mitigati 8	on and mitigation planning Property Protection	Mayor	7-1-17	12-31-22	LOC
	ntezuma will utilize elevation to p	·			
	methods to prevent hazardous				
residen	ts during flooding				
9	Property Protection	Mayor	7-1-17	12-31-22	PDM LOC
2.6 Mor	ntezuma will review and enforce	existing land use reg	ulations (zoning	rules, building	
	e wise development, especially i	-	_		•
10	Prevention	Mayor	7-1-17	12-31-22	LOC
2.7 Mor	ntezuma will participate in regior	nal efforts to reduce	vulnerability to fl	ood damages t	·hrough
	ration including the creation of w				
lawns a	nd the resulting exacerbation of	flood damages			
11	Nat. Resource Protection	Mayor	7-1-17	12-31-22	LOC ICC
11	Nat. Resource Protection	Mayor	/-1-1/	12-31-22	OTH
2.8 Mor	ntezuma will make residents awa	re of and facilitate tl	ne use of simple p	orevention me	
	of sand bags during severe storr				
12 2.9 Mor	Property Protection ntezuma will remove debris and	Mayor	7-1-17	12-31-22	LOC
			_	·	LOC
13	Property Protection	Mayor	7-1-17	12-31-22	ICC
	ontezuma will prevent constructi es not mitigate those consequen		at does not consid	der vulnerabilit	ry to damages
14	Prevention	Mayor	7-1-17	12-31-22	LOC ICC
2.11 Mo	ontezuma will require the use of	retention and deten	tion ponds where	e new or expan	
constru	ction, parking lots, streets, or otl or lack of natural watershed proc	ner development ma	•	•	
15	Structurally Engineered	Mayor	7-1-17	12-31-22	LOC
	, , ,	•			PDM/CDBG

2.12 Montezuma will utilize acquisition, demolition, and relocation programs for properties that have repeated or extremely severe damage from floods and flash floods					
16	Prevention	Mayor	7-1-17	12-31-22	PDM/FMA/SRL
	ntezuma will create buffer zones aturally drains downstream	and restore natural hal	oitat in low-lyir	ng areas to hol	
17	Nat. Resource Protection	Mayor	7-1-17	12-31-22	LOC ICC
	ntezuma will advocate that rente		•		
casualty	insurance, including flood insura	nce where appropriate,	as mitigation	against disaste	
18	Property Protection	Mayor	7-1-17	12-31-22	LOC ICC
	MONTEZUMA WILL ENGAGE IN S AND RESOURCE SHORTAGES F		TO REDUCE DA	AMAGES DUE	TO UTILITY
3.1 Mont	tezuma will establish redundant s	suppliers of heating fue	ls, potable wat	er, and other	utility needs
and will i	dentify and facilitate availability	and proper use of gene	rators as an all	ternate power	
19	Property Protection	Mayor	7-1-17	12-31-22	LOC OTH
	tezuma will encourage the harde	-	-		~
improver	ments to supply lines and genera	tions plants, and upgra	de of substatio	ns and transfo	
20	Property Protection	Mayor	7-1-17	12-31-22	LOC ICC
	MONTEZUMA WILL ENGAGE IN , INCLUDING THUNDERSTORMS				
	ezuma will educate the public at ing severe weather and life-threa	~	g and notificat	ion systems th	nat inform them
21	Public Information	Fire Chief	7-1-17	12-31-22	LOC EMPG/HSGP
improved	ezuma will expand and improve d outdoor warning sirens, improv n regarding warning and notifica	vements to the software	e used in these		
22	Public Information	Fire Chief	7-1-17	12-31-22	LOC EMPG/HSGP
	ezuma will develop and impleme terways and roadways that have				
23		Mayor	7-1-17	12-31-22	LOC
	Property Protection	ividyOi	, 1 1,		ICC
	MONTEZUMA WILL ENGAGE IN CES SUCH AS TOPSOIL AND WAT	MITIGATION ACTIONS	TO PRESERVE		
5.1 Mont	MONTEZUMA WILL ENGAGE IN	MITIGATION ACTIONS ERWAYS FROM EROSIO	TO PRESERVE A	AND PROTECT	NATURAL

Mayor

5.2 Montezuma will protect beaches, shorelines, and riverbanks from wind, water and other hazards that cause erosion or degradation through stabilization techniques like lining with rip-rap or large stone.

7-1-17

12-31-22

CDBG

**Property Protection** 

24

25	Nat. Resource Protection	Mayor	7-1-17	12-31-22	LOC ST		
5.3 2 Montezuma will establish conservation procedures to be used during water emergencies or shortages due to drought or contaminated water supplies							
26	Nat. Resource Protection	Mayor	7-1-17	12-31-22	LOC ICC		

## GOAL 6: MONTEZUMA WILL ENGAGE IN MITIGATION ACTIONS THAT ENABLE THE PUBLIC TO OBTAIN AND USE DISASTER INFORMATION TO SAVE LIVES AND PRESERVE PROPERTY FOR ALL HAZARDS PRESENT IN MERCER COUNTY

6.1 Montezuma will educate the public about all relevant disaster hazards and vulnerabilities, protective actions, available services, vulnerable populations and available assistance and other emergency procedures using a variety of means to include print and spoken media, digital resources, and other appropriate local resources.

27 Public Information Fire Chief 7-1-17 12-31-22 LOC EMPG/HSGP

### 3.3.9 Rockford

This small village that sits on the high side of the St. Marys River in north central Mercer County fears the damages from wind and tornado more than other threats. Close behind wind is the threat of excess water and flooding as well as debris created by dead trees and vegetation. This is usually due to invasive species like the Emerald Ash Borer. Severe storms, summer or winter, can clog the traffic routes that bring trucks, cars, and other haulers into Ohio from Indiana, and on to markets and suppliers along US 33. Well supplied by wells and having redundant water, the village is concerned less about drought, extreme heat and earthquakes or dam failure.

Rockford's village administrator will implement mitigation strategies with the help of village council and the mayor.

**Table 3-11: Rockford Mitigation Goals and Strategies** 

Priority	Action Type	Lead Agency	Start Date	End Date	Funding	
GOAL 1:	ROCKFORD WILL ENGAGE IN	MITIGATION ACTIONS T	HAT REDUCE DA	AMAGES FROM	/ FLOODING.	
oarking l	ford will require the use of rete lots, streets, or other developm atural watershed process.	•		•	•	
L	Structurally Engineered	Village Administrator	7-1-17	12-31-22	LOC CDBG	
1.2 Rockford will 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						
2	Structurally Engineered	Village Administrator	7-1-17	12-31-22	LOC ST ICC	
1.3 Rockford will clear county-maintained ditches of debris, sediment, and other obstructions that impede drainage and watershed						

3 Property Protection Village 7-1-17 Administrator	12-31-22	LOC ICC					
1.4 Rockford will utilize acquisition, demolition, and relocation programs for properties that have repeated or extremely severe damage from floods and flash floods.							
4 Prevention Village 7-1-17 Administrator	17-31-77	PDM/FMA/SRL LOC					
1.5 Rockford will participate in NFIP and other federal flood mitigation programs that help the county redulesses attributable to flooding, and will regularly review flood maps through a process of public engagement to assure accuracy as necessary							
5 Prevention Village 7-1-17 Administrator	12-31-22	LOC					
1.6 Rockford will advocate that renters, landowners, and others purchase and mainsurance, including flood insurance where appropriate, as mitigation against disa		nable casualty					
6 Property Protection Village Administrator 7-1-17	12-31-22	LOC ICC					
1.7 Rockford will encourage individuals to mitigate personal flood loss through the measures like sandbagging or not building on property that floods.	ne use of simp	ole prevention					
7 Property Protection Village Administrator 7-1-17	12-31-22	LOC					
1.8 Rockford will use federal and state grant programs to fund mitigation efforts, mitigation and mitigation planning.	especially in	flood					
8 Property Protection Village Administrator 7-1-17	12-31-22	LOC					
1.9 Rockford will prevent construction in flood plains that does not consider the vand does not mitigate those consequences through modifications to construction	•	to damages					
9 Prevention Village 7-1-17 Administrator	17-31-77	LOC ICC					
1.10 Rockford will review and enforce existing land use regulations (zoning rules, wise development, especially in areas with flood vulnerability.	building code	es) to facilitate					
10 Prevention Village 7-1-17 Administrator	12-31-22	LOC ICC					
GOAL 2: ROCKFORD WILL EMPLOY MITIGATION ACTIONS TO REDUCE DAMAGES WINDSTORMS, INCLUDING STRAIGHT-LINE WINDS AND TORNADOES	S INCURRED I	FROM SEVERE					
2.1 Rockford will advocate for and support the creation of safe rooms for vulnera single and multi-family homes and neighborhoods without basements or shelters		, including					
11 Property Protection Village 7-1-17 Administrator	12-31-22	PDM					
2.2 Rockford will 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							
2.2 Rockford will advocate and support, and implement on village-owned propert of trees and vegetation to reduce damages caused by high winds or tornadoes		r maintenance					
2.2 Rockford will advocate and support, and implement on village-owned propert of trees and vegetation to reduce damages caused by high winds or tornadoes  Village	12-31-22						
2.2 Rockford will advocate and support, and implement on village-owned propert of trees and vegetation to reduce damages caused by high winds or tornadoes  Village 7-1-17	12-31-22	r maintenance LOC ICC					

2.4 Rockford will implement a program to clear both urban and rural areas of debris after severe wind and flooding to keep crop fodder and other 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

14 Property Protection Village Administrator 7-1-17 12-31-22 ICC

### GOAL 3: ROCKFORD WILL ENGAGE IN MITIGATION ACTIONS TO REDUCE DAMAGES DUE TO UTILITY OUTAGES AND RESOURCE SHORTAGES FROM ALL CAUSES.

3.1 Rockford will encourage the hardening of utilities through damage resistant installation below grade, improvements to supply lines and generations plants, and upgrade of substations and transformers

Village 7-1-17 12-31-22 OTH Administrator

3.2 Rockford will establish redundant suppliers of heating fuels, potable water, and other utility needs and will identify and facilitate availability and proper use of generators as an alternate power source

16 Property Protection Village Administrator 7-1-17 12-31-22 OTH

3.3 Rockford will establish conservation procedures to be used during water emergencies or shortages due to drought or contamination.

17 Nat. Resource Protection Village Administrator 7-1-17 12-31-22 LOC

## GOAL 4: ROCKFORD WILL ENGAGE IN MITIGATION ACTIONS TO REDUCE DAMAGES FROM ALL SEVERE STORMS, INCLUDING THUNDERSTORMS AND BLIZZARDS, AND OTHER NATURAL DISASTERS AND CAUSES.

4.1 Rockford will educate the public about local digital warning and notification systems that inform them of incoming severe weather and life threatening incidents.

18 Public Information Village Administrator 7-1-17 12-31-22 EMPG/HSGP

4.2 Rockford will implement a program to identify and remove dead of diseased trees along waterways and in the public domain that have been or will be destroyed by invasive species, and will therefore become part of a debris management problem after storms and floods.

19 Property Protection Village Administrator 7-1-17 12-31-22 LOC

4.3 Rockford will expand and improve its public warning and notification capability through additional or improved outdoor warning sirens, improvements to the software used in these systems, or enhanced public education regarding warning and notification of protection orders or warnings.

20 Public Information Village Administrator 7-1-17 12-31-22 LOC HSGP/EMPG

4.4 Rockford will identify and establish locations to be used as community centers during extended power outages or extreme conditions.

21 Public Information Village Administrator 7-1-17 12-31-22 OTH

## GOAL 5: ROCKFORD WILL ENGAGE IN MITIGATION ACTIONS TO PRESERVE AND PROTECT NATURAL RESOURCES SUCH AS TOPSOIL AND WATERWAYS FROM EROSION

5.1 Rockford will participate in regional watershed management programs when feasible to create additional wetlands, and to reduce the use of phosphorus and nitrogen in agricultural, residential, and commercial settings.

22	Nat. Resource Protection	Village Administrator	7-1-17	12-31-22	LOC ICC	
5.2 Rockford will protect roadways from compromised structural integrity, washed away abutments and bridges, degraded berms, or other damage through stabilization and reinforcement techniques						
23	Property Protection	Village Administrator	7-1-17	12-31-22	LOC	
5.3Rockford will protect riverbanks from wind, water, and other hazards that cause erosion or degradation through stabilization techniques like lining them with riprap or large stone to limit erosion.						
24	Nat. Resource Protection	Village Administrator	7-1-17	12-31-22	LOC ICC	

### GOAL 6: ROCKFORD WILL ENGAGE IN MITIGATION ACTIONS THAT ENABLE THE PUBLIC TO OBTAIN AND USE DISASTER INFORMATION TO SAVE LIVES AND PRESERVE PROPERTY FOR ALL HAZARDS PRESENT IN MERCER COUNTY.

6.1 Rockford will educate the public about all relevant disaster hazards and vulnerabilities, protective actions, available services, vulnerable populations and available assistance and other emergency procedures using a variety of means to include print and spoken media, digital resources, and other appropriate local resources.

25	Dublic Information	Village	7-1-17	12 21 22	LOC
25	Public Information	Administrator	/-1-1/	12-31-22	FMPG/HSGP

### 3.3.10 St. Henry

**Priority** 

St. Henry is a small village filled with neat and well-kept homes and robust businesses and industry on the south side of Mercer County. At the beginning of the Coldwater Creek, they are most concerned about floods that fill parking lots, streets, and commercial properties as well as some homes and private properties. Severe wind, either straight line or tornado, is very concerning. Severe storms can have an impact as debris, sediment and crop fodder fall and flow into town, clogging storm sewers and drainage. St. Henry is less concerned about earthquakes, drought, and dam failure because their risk is ranked as very low.

The village mayor and staff will implement mitigation strategies with the help of village council members.

> Table 3-12: St. Henry Mitigation Goals and Strategies **Lead Agency**

Start Date

7-1-17

**End Date** 

12-31-22

**Funding** 

GOAL 1: ST. HENRY WILL ENGAGE IN MITIGATION ACTIONS THAT REDUCE DAMAGES FROM FLOODING.
1.1 St. Henry will 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

1.2 St. Henry will 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

Mayor

**Action Type** 

Prevention

2	Structurally Engineered	Mayor	7-1-17	12-31-22	LOC ST ICC			
1.3 St. Henry will advocate that renters, landowners, and others purchase and maintain reasonable casualty insurance, including flood insurance where appropriate, as mitigation against disaster losses								
3	Property Protection	Mayor	7-1-17	12-31-22	LOC ICC			
	1.4 St. Henry will prevent construction in flood plains that does not consider the vulnerability to damages and does not mitigate those consequences through modifications to construction							
4	Prevention	Mayor	7-1-17	12-31-22	LOC ICC			
	Henry will review and enforce exivelopment, especially in areas w	-	•	, building code	s) to facilitate			
5	Prevention	Mayor	, 7-1-17	12-31-22	LOC ICC			
	Henry will properly maintain dam ites from consequences of structu		ntrol structures to	protect people				
6	Structurally Engineered	Mayor	7-1-17	12-31-22	LOC ST ICC			
	Henry will use federal and state goon and mitigation planning	rant programs to fur	d mitigation effort	s, especially in	flood			
7	Prevention	Mayor	7-1-17	12-31-22	LOC			
parking	Henry will require the use of rete lots, streets, or other developmenatural watershed process							
8	Structurally Engineered	Mayor	7-1-17	12-31-22	LOC OTH ICC			
	Henry will utilize acquisition, demembers will utilize acquisition, demembers will utilize acquisition.		on programs for pro	operties that h				
9	Prevention	Mayor	7-1-17	12-31-22	PDM/HMGP LOC			
	Henry will clear village-maintain e and watershed	ed ditches of debris,	sediment, and oth	er obstructions				
10	Nat. Resource Protection	Mayor	7-1-17	12-31-22	LOC ST			
	GOAL 2: ST. HENRY WILL EMPLOY MITIGATION ACTIONS TO REDUCE DAMAGES INCURRED FROM SEVERE WINDSTORMS, INCLUDING STRAIGHT-LINE WINDS AND TORNADOES							
flooding	Henry will implement a program to keep crop fodder and other over infrastructure, and to keep ro	debris out of water to	eatment plants, se	wers, transpor	tation routes,			
11	Property Protection	Mayor	7-1-17	12-31-22	LOC ICC			
	Henry will advocate and support, and vegetation to reduce damage	· ·		erty, the prope				
12	Property Protection	Mayor	7-1-17	12-31-22	LOC			

2.3 St. F	lenry will maintain and enforce la	and use regulations (	including zoning a	nd developmer	nt regulations
and construction codes) in an effort to reduce storm damages to properties					
13	Prevention	Mayor	7-1-17	12-31-22	LOC
2 /l St ⊢	lenry will advocate for and suppo	ort the creation of sa	fe rooms for vulne	rahle locations	ICC including
	nd multi-family homes and neigh				, including
14	Property Protection	Mayor	7-1-17	12-31-22	PDM
	ST. HENRY WILL ENGAGE IN MI ES AND RESOURCE SHORTAGES		TO REDUCE DAMA	GES DUE TO U	TILITY
	lenry will encourage the hardening the mandening the supply lines and generate to supply lines and generate the supply lines are supply lines and generate the supply lines and generate the supply lines are supply lines are supply lines and generate the supply lines are supply lines are supply lines and generate the supply lines are supply lines	~	~		_
15	Property Protection	Mayor	7-1-17	12-31-22	LOC ICC
	lenry will establish redundant su				•
will ider 16	tify and facilitate availability and Property Protection	I proper use of gene Mayor	rators as an alterna 7-1-17	ite power sour 12-31-22	ce LOC
	· · ·	•			
RESOUR	ST. HENRY WILL ENGAGE IN MI	IIGATION ACTIONS	TO PRESERVE AND	PROTECTINAL	UKAL
	lenry will establish conservation ght or contamination.	procedures to be use	ed during water en	nergencies or s	hortages due
17	Nat. Resource Protection	Mayor	7-1-17	12-31-22	LOC ICC
	ST. HENRY WILL ENGAGE IN MI				
	lenry will educate the public abo g severe weather and life threate	~	ng and notification	systems that i	nform them of
18	Public Information	Mayor	7-1-17	12-31-22	LOC EMPG/HSGP
in the p	lenry will implement a program t ublic domain that have been or v ris management problem after s	vill be destroyed by i		_	•
19	Property Protection	Mayor	7-1-17	12-31-22	LOC ICC
5.3 St. Henry will expand and improve its public warning and notification capability through additional or improved outdoor warning sirens, improvements to the software used in these systems, or enhanced public education regarding warning and notification of protection orders or warnings					
20	Public Information	Mayor	7-1-17	12-31-22	LOC EMPG/HSGP
	lenry will identify and establish lo or extreme conditions	ocations to be used a	as community cent	ers during exte	•
21	Public Information	Mayor	7-1-17	12-31-22	LOC OTH

# GOAL 6: ST. HENRY WILL ENGAGE IN MITIGATION ACTIONS THAT ENABLE THE PUBLIC TO OBTAIN AND USE DISASTER INFORMATION TO SAVE LIVES AND PRESERVE PROPERTY FOR ALL HAZARDS PRESENT IN MERCER COUNTY

6.1 St. Henry will educate the public about all relevant disaster hazards and vulnerabilities, protective actions, available services, vulnerable populations and available assistance and other emergency procedures using a variety of means to include print and spoken media, digital resources, and other appropriate local resources.

22 Public Information Mayor 7-1-17 12-31-22 LOC HSGP/EMPG

### 3.3.11 Strategy Descriptors

Each strategy developed by the jurisdictions is assigned a priority, action type, lead agency, timeline, and potential funding source. These elements are described below. While the specific information in this chart may change prior to implementation of a strategy, the exercise of assigning time lines required stakeholders to evaluate current resources and support programs to determine how to best reduce the effects of disaster. Public information campaigns, plan enhancements, and the establishment of emergency protective measures were the highest priority and generally not significantly expensive. Upgrading communication and notification/warning systems was second because the acquisition of equipment involves procurement and budget process, therefore taking at least one budget year. Collaboration with other groups and comprehensive actions, due to the need to build trust and association between groups, would take longer to accomplish goals because it involved a two-phase action plan. Last on the completion list were structural project due to design time requirements, budget needs, and dependence upon outside funding sources through applications. The priorities of life safety, incident containment, and property conservation combined with budget and procurement needs were major factors in determining the priority of goals and 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.

### 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 Project – Lessen the impact of a hazard by modifying the environment or progression of the hazard event through designed and engineered projects

### Lead Agency

The lead agency is the entity charged with championing the strategy and ensuring that jurisdiction officials look for opportunities to complete the strategy over the five-year planning cycle. This agency may not have the authority or power to make a strategy into a project, nor would they necessarily be responsible for project oversight or completion should the strategy develop into an actionable and funded project. Rather, the lead agency is responsible for coordinating the overall effort and plays a key role in championing the project or, by default, is the entity most appropriate to lead project development at the initial stage. If the strategy becomes a feasible project, this agency is not the only entity that would be involved in its execution, nor is it the only entity involved in keeping the strategy on the jurisdiction's radar. For accountability purposes, the strategy is assigned to a single entity. When the strategy becomes a project, the jurisdiction would identify a project manager who may or may not represent the lead agency assigned in this plan.

### **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. At the time of plan development, these timelines fit logically within each jurisdiction's resources and support programs. As Mercer County reviews this mitigation plan annually, the timelines will be reviewed, adjusted, and modified as appropriate.

### **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.

- CDBG Community Development Block Grants
- FMA Flood Mitigation Assistance Grant
- PDM Pre-Disaster Mitigation Grant
- HMGP Hazard Mitigation Grant Program
- SRL Severe Repetitive Loss Grant
- RFC Repetitive Flood Claims Program
- COG Clean Ohio Grant
- ICC Increased Cost of Compliance (including rate increases or premiums)
- LOC Local Funds
- ST State Funds
- OTH Other (including private funds and non-governmental agency funding)

### 3.4 IMPLEMENTATION

The identified mitigation strategies are general actions that could be taken to reduce the negative impact of disasters and large-scale emergencies. For any given 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 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 appropriately represented in the planning process.

Ultimately, Mercer County developed a set of comprehensive, thoroughly considered, 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.