3.0 MITIGATION STRATEGIES

As Logan 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 individual jurisdiction. As a result, the mitigation strategies in this plan are detailed and comprehensive. 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. While similar in nature, not all jurisdictions included all strategies created, and each governmental body prioritized its selected strategies individually. The result is a set of comprehensive and customized mitigation goals and strategies that address the needs of Logan County and each jurisdiction.

3.1 STATUS OF PAST MITIGATION EFFORTS

In the 2017 Logan County Hazard Mitigation Plan, mitigation goals and strategies were established for the entire county. Under guidance at that time, the strategies were more like identified potential mitigation projects, and some even included addresses and identifying characteristics. The county and it incorporated jurisdictions worked together to identify actions that would reduce risk and vulnerability across Logan County. As part of the plan development process, the 2017 goals and strategies were discussed and evaluated by the EMA Director, and planning team and stakeholders during the jurisdictional meetings conducted in February 2023.

A survey was distributed to all jurisdictions after those discussions, and they were asked to share the status of each strategy in their section of the plan as well as thoughts regarding continuance of those strategies or addition of others. These surveys were completed as a group and/or by key leadership of the municipality so only one survey per jurisdiction was submitted in most cases.

Table 3-1 identifies these 2017 strategies 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 unless otherwise indicated on the survey or in discussions.
- Cancelled: Strategy was attempted and later eliminated because it would be ineffective or otherwise inappropriate.
- On Schedule: Strategy is continuing but not completed; efforts are progressing as anticipated and should be continued into the new plan.
- Delayed: The strategy has not been achieved but has encountered a specific problem that causes it to be delayed indefinitely; it may or may not be included in the updated plan according to jurisdiction input.
- Deferred: The strategy was determined to not be feasible, and it has been eliminated from the action for implementation at this time or assigned to another entity in another jurisdiction.

Table 3-1: Logan County 2017 Mitigation Goals and Strategies

GOAL 1: LOGAN COUNTY AND ITS JURISDICTIONS WILL EMPLOY MITIGATION ACTIONS TO REDUCE THE DAMAGES INCURRED FROM SEVERE WIND STORMS THAT INCLUDE STRAIGHT LINE WINDS AND TORNADOES. 1.1 Logan County will advocate proper trimming of trees and vegetation to reduce damages caused by wind, especially where trees are infected with disease like Emerald Ash Borer. Completed Cancelled On Schedule X Delayed **Deferred** 1.2 Logan County will support the construction of safe rooms for single and multi-family homes without basements or shelters. **Completed** □ **Cancelled** □ On Schedule X **Delayed** □ **Deferred** □ 1.3 Logan County will implement a program to clear 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. Completed **Cancelled** □ On Schedule X **Delayed** □ **Deferred** 1.4 Logan County will enforce existing land use regulations (including zoning and development regulations and construction codes) in an effort to make properties as resistant to wind damage as possible. **Completed** □ Cancelled □ On Schedule X **Delayed** □ **Deferred** □ GOAL 2: LOGAN COUNTY WILL ENGAGE IN MITIGATION ACTIONS THAT REDUCE DAMAGES FROM FLOODING. 2.1 Logan County will make improvements to road and infrastructure including an increase of bridge spans, repair of shoulders and berms, increase in culvert size, maintenance of bridge slopes and protection of roadways from storm and flood damage, to enhance the likelihood of open roadways even after severe flooding and rapid drainage. Completed Cancelled On Schedule X Delayed **Deferred** 2.2 Logan County will maintain NFIP participation through regular review of flood maps and sustain local engagement to ensure accuracy of the maps, including advocacy for adoption of current maps as amended through the appeal process. **Completed** □ Cancelled On Schedule X **Delayed** □ **Deferred** 2.3 Logan County will implement improvements to the ditch maintenance program, and will identify how to repair damage done to streams and ditches by storms and floods, such as removal of sedimentation and prevention of erosion. **Completed** □ Cancelled On Schedule X **Delayed** □ **Deferred** 2.4 Logan County will remove debris and obstructions from waterways to facilitate the flow of water. Completed Cancelled On Schedule X **Delayed** □ **Deferred** □ 2.5 Logan County will use federal and state grant programs to fund mitigation efforts, especially in flood mitigation and mitigation planning. **Cancelled** □ Completed On Schedule X **Delayed** □ **Deferred** 2.6 Logan County will advocate and support flood insurance where required. Completed **Delaved** □ Cancelled On Schedule X **Deferred** □ 2.7 Logan County will maintain existing building codes, zoning regulations, and other land use regulations that encourage sustainable disaster-resistant structures. Completed Cancelled On Schedule X **Delayed** □ **Deferred**

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improvemer	nt to wastewater	systems and field t	iling practices that pre	event downstrear	m damages from runoff
water.					
Co	ompleted \square	Cancelled □	On Schedule	Delayed X	Deferred □
2.9 Logan Co	ounty will study t	he likelihood and p	otential impact of dar	m failure, includin	g consideration of dam
size, height,	condition, elevat	ion, floodgate man	agement and other m	naintenance facto	ors, whether the
			, or an individual; and		
•			g the dam in that ana	•	
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upkeep.	mare caused by p	oor mameenance t	in ough cooperative en	inores or the entire	ies responsible for
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2.11 Logan (County will requir	e retention or dete	ention ponds to contai	in runoff water in	new development or
expansion w	here surface run	off may cause floor	ding.		
·	ompleted	Cancelled □	On Schedule X	Delayed □	Deferred □
	•	ain, replace, or add	l storm sewers, waste	water pumping s	tations, water pumps
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	•			· · · · · · · · · · · · · · · · · · ·	d excess sediment from
the waterwa		s that work to reme	ove debris, falleri of di	iseaseu trees, and	r excess seament from
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GOAL 3: LO	GAN COUNTY AN	D ITS JURISDICTIO	NS WILL EMPLOY MIT	IGATION ACTION	IS THE REDUCE
DAMAGES D	DUE TO UTILITY O	UTAGES AND SUP	PLY SHORTAGES DUE	TO SEVERE STOR	MS AND DISASTERS.
3.1 Logan Co					
The second secon	ounty will identify	and establish alte	rnate heating fuels, po	otable water supp	oliers, water pump
stations, alte					oliers, water pump cical supplies necessary
	ernate power sou	irces, private water		ed, and other crit	ical supplies necessary
for sustainin	ernate power sou ng life, business, a	rces, private water and safety during po	systems where need ower outages with em	ed, and other crit	cical supplies necessary tinuity for livestock
for sustainin operations,	ernate power sou ng life, business, a	rces, private water and safety during po	systems where need	ed, and other crit	cical supplies necessary tinuity for livestock

3.2 Logan County will encourage collaboration between all levels of government and private conticlear roads and maintain electrical service during severe weather, especially ice, snow, wind, and	
to protect business operations and assets from disaster related losses.	10003 0110
Completed ☐ Cancelled ☐ On Schedule ★ Delayed ☐ Deferred	
3.3 Logan County will encourage the hardening of utilities through installation below grade, impro	
supply line and generation plants, and upgrade of poles, substations and transformers.	
Completed ☐ Cancelled ☐ On Schedule ★ Delayed ☐ Deferred	
GOAL 4: LOGAN COUNTY WILL CONDUCT MITIGATION ACTIONS TO REDUCE VULNERABILITY OF POPULATIONS TO DAMAGES AND CASUALTIES DUE TO ALL TYPES OF DISASTERS AND SEVERE ST	ORMS.
4.1 Logan County will implement a program to identify and remove dead or diseased trees along v	ıatarways
roadways, and in areas used by the public.	rater ways,
Completed ☐ Cancelled ☐ On Schedule ★ Delayed ☐ Deferred	\neg
4.2 Logan County will educate the public about digital warning and notification systems like reverse	
weather radios, warning sirens, and digital resources that inform them of incoming life-threatening	
emergency incidents.	
Completed ☐ Cancelled ☐ On Schedule X Delayed ☐ Deferred	
4.3 Logan County will maintain and improve hardware, software, and capital equipment (outdoor	warning
sirens) used to deliver warnings and notification of severe weather and other hazards to county re	sidents.
Completed ☐ Cancelled ☐ On Schedule X Delayed ☐ Deferred	
4.4 Logan County will implement a project to identify, respond to, and recover from farm losses a	
storms, power outages, or hazardous materials incident including facilitating generator availability	
power outages, assisting during a severe livestock infestation, responding effectively to grain open	
incident, clearing roads of snow and ice for ongoing ingress and egress to farms, and assisting with	other
issues of particular importance to agriculture.	_
Completed ☐ Cancelled ☐ On Schedule ★ Delayed ☐ Deferred	
4.5 Logan County will assist and collaborate with farmers to identify ways to decrease losses after	
storms, including but not limited to management of rapid and excess runoff from fields or wherever management is necessary, helping develop protective measures for chemical storage tanks, feed storage tanks.	
bins, and other farm structures and equipment, and other necessary protective measures commo	
agricultural operations.	1 10
Completed ☐ Cancelled ☐ On Schedule ★ Delayed ☐ Deferred	
4.6 Logan County will improve capacity to implement rapid placement of temporary warning signs	
dangerous road conditions like flooding, wash-outs, hazardous materials incidents, and other safe	
closures.	•
Completed ☐ Cancelled ☐ On Schedule X Delayed ☐ Deferred	
4.7 Logan County will establish water conservation procedures to be implemented during water e	mergencies
due to drought or contaminated supply.	
Completed ☐ Cancelled ☐ On Schedule ※ Delayed ☐ Deferred	
GOAL 5: LOGAN COUNTY WILL COMPLETE MITIGATION ACTIONS THAT ENABLE RAPID AND EFFI	CTIVE
COMMUNICATION DURING A DISASTER INCIDENT FOR THE PURPOSE OF DIRECTING THE POPUL	
TAKE PROTECTIVE ACTION AND FOLLOW OPERATIONAL PROCEDURES.	
5.1 Logan County will develop interoperable communication plans to coordinate life-saving efforts	
3.1 Logari County will develop interoperable confinitionication plans to coordinate life-saving enorg	ATION TO
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all community partners during severe incidents. Completed □ Cancelled □ On Schedule ★ Delayed □ Deferred	ATION TO between

5.2 Logan County will improve customization capability of control of the control	0.0			
customization capability of c				•
outtoning of the	county software to	produce data that is u	ıseful in communi	ty response planning.
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5.3 Logan County will work t	o develop enhance	ed methods of cross-d	iscipline and inter	iurisdictional planning
efforts to create whole com	•		· · · · · · · · · · · · · · · · · · ·	•
Completed □	Cancelled □	On Schedule X	Delayed □	Deferred □
5.4 Logan County will develo	p, utilize and main	tain a communication	plan to include n	nass media, social
media, and direct contact be		fter incidents.		
Completed □	Cancelled	On Schedule X	Delayed □	Deferred □
5.5 Logan County will educate				
available service, special pop			procedures using	mass and social media,
printed media, and other me				- 4
Completed	Cancelled	On Schedule X	Delayed 🗆	Deferred
5.6 Logan County develop a				
orders, warnings and notification			ted to specific disa	
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5.7 Logan County will improve				· · · · · · · · · · · · · · · · · · ·
properties during emergence	y and disaster respo	onse, and to facilitate	the use of mutua	l aid resources when
needed.				
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GOAL 6: LOGAN COUNTY W AND ROADWAYS DUE TO FL RESOURCES IN A WAY THAT	OODING, LAND US	SE OR HUMAN ACTIO		
6.1 Logan County will protect washed away foundations of		•		
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washed away foundations of soil types caused by severe s Completed □	r abutments, or oth storms. Cancelled	On Schedule *	to extreme runofi Delayed □	or highly vulnerable Deferred
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4.3 Bellefontaine will use fin Completed □	Cancelled □	On Schedule X	Delayed □	Deferred □
4.4 Bellefontaine will adopt land use regulations that end		_		
Completed □	Cancelled □	On Schedule X	Delayed □	Deferred □
4.5 Bellefontaine will mainta	in, replace, or add	storm sewers, wastev	vater pumping sta	ations, water pumps,
and other devices or structu	res to protect prop	erty from flooding and	d to lessen flash fl	looding.
Completed □	Cancelled □	On Schedule X	Delayed □	Deferred □
4.6 Bellefontaine will remove	e debris and obstru	ctions from waterway	s to facilitate dra	inage.
Completed □	Cancelled □	On Schedule X	Delayed □	Deferred □
4.7 Bellefontaine will make i	mprovement to roa	ads and infrastructure	including increas	es in size of bridge
spans and culverts, repair of	shoulders and berr	ms, maintenance of bi	ridge slopes and p	protection of roadways
from storms and flood dama	ge, to enhance the	likelihood of open ro	adways even afte	r severe flooding and
damaging storms.				
Completed	Cancelled	On Schedule X	Delayed □	Deferred □
4.8 Bellefontaine will require	retention and deta	and an analysis and a	in runoff water ir	a marrial arral a mara a mara
	. reterrition and acti	ention ponds to conta	im runon water ir	new developments
or expansions where surface			iin runon water ir	i new developments
			Delayed	Deferred □
or expansions where surface	runoff may cause f	flooding. On Schedule **	Delayed □	Deferred □
or expansions where surface Completed □ 4.9 Bellefontaine will utilize	runoff may cause for Cancelled elevation to protect	flooding. On Schedule **	Delayed □	Deferred □
or expansions where surface Completed □ 4.9 Bellefontaine will utilize	runoff may cause to Cancelled elevation to protect Cancelled Cancelled	flooding. On Schedule t critical infrastructure On Schedule **	Delayed ☐ e and property fro Delayed ☐	Deferred □ om flooding. Deferred □
or expansions where surface Completed □ 4.9 Bellefontaine will utilize Completed □	e runoff may cause for Cancelled □ elevation to protect Cancelled □ study countywide st	flooding. On Schedule t critical infrastructure On Schedule torm water vulnerabil	Delayed ☐ e and property fro Delayed ☐ ity to reduce floo	Deferred □ om flooding. Deferred □ d damages to
or expansions where surface Completed □ 4.9 Bellefontaine will utilize Completed □ 4.10 Bellefontaine will help s	crunoff may cause for Cancelled ☐ clevation to protect Cancelled ☐ cludy countywide starough improvements.	flooding. On Schedule t critical infrastructure On Schedule torm water vulnerabil	Delayed ☐ e and property fro Delayed ☐ ity to reduce floo	Deferred □ om flooding. Deferred □ d damages to
or expansions where surface Completed 4.9 Bellefontaine will utilize Completed 4.10 Bellefontaine will help s properties due to flooding th prevent downstream flooding Completed	crunoff may cause for Cancelled Cancelled Cancelled Cancelled ctudy countywide starough improvements. Cancelled Cancelled Cancelled Cancelled	flooding. On Schedule t critical infrastructure On Schedule torm water vulnerabil nt to wastewater syste On Schedule	Delayed ☐ e and property fro Delayed ☐ ity to reduce floo ems and wastewa Delayed ☐	Deferred Deferred Deferred d damages to ater management to Deferred Deferred
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or expansions where surface Completed 4.9 Bellefontaine will utilize Completed 4.10 Bellefontaine will help s properties due to flooding th prevent downstream flooding Completed	crunoff may cause for Cancelled Cancelled Cancelled Cancelled ctudy countywide starough improvements. Cancelled Cancelled Cancelled Cancelled	flooding. On Schedule t critical infrastructure On Schedule torm water vulnerabil nt to wastewater syste On Schedule	Delayed ☐ e and property fro Delayed ☐ ity to reduce floo ems and wastewa Delayed ☐	Deferred Deferred Deferred d damages to ater management to Deferred Deferred
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or expansions where surface Completed 4.9 Bellefontaine will utilize Completed 4.10 Bellefontaine will help s properties due to flooding the prevent downstream flooding Completed 4.11 Bellefontaine will remove condition.	crunoff may cause for Cancelled clevation to protect Cancelled ctudy countywide starough improvements. Cancelled	flooding. On Schedule t critical infrastructure On Schedule torm water vulnerabile to wastewater system On Schedule es and excess sedimer On Schedule On Schedule On Schedule	Delayed and property from the	Deferred om flooding. Deferred d damages to other management to Deferred vs to improve their
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4.16 Bellefontaine will create hold excess runoff until it dra		zones, wetlands, and	natural habitat ir	low-lying areas to
Completed □	Cancelled	On Schedule X	Delayed □	Deferred □
GOAL 5: BELLEFONTAINE WI POPULATION TO DAMAGES				
5.1 Bellefontaine will mainta	•			
sirens) used to deliver warnin Completed □	ngs and notification Cancelled	ns of severe weather a On Schedule **	and other hazards Delayed	5. Deferred □
5.2 Bellefontaine will educate			•	
calling, weather radios, warn storms or emergency incider		ital resources that info	orm them of inco	ming life-threatening
Completed □	Cancelled □	On Schedule X	Delayed □	Deferred □
5.3 Bellefontaine will implem	nent a program to i	dentify and remove d	lead or diseased t	rees along waterways
and in the public domain. Completed □	Cancelled □	On Schedule X	Delayed □	Deferred □
5.4 Bellefontaine will establis			•	
emergency or drought. Completed □	Cancelled □	On Schedule X	Delayed □	Deferred □
5.5 Bellefontaine will improv			•	
road conditions.				
Completed	Cancelled	On Schedule X	Delayed	Deferred □
GOAL 6: BELLEFONTAINE WI AND INFRASTRUCTURE DUE				
6.1 Bellefontaine will protect washed away foundation or a	•	· · · · · · · · · · · · · · · · · · ·		
soil types. Completed □	Cancelled □	On Schedule X	Delayed □	Deferred □
6.2 Bellefontaine will protect	waterways by red	ucing slope erosion a	nd sedimentation	
measure such as use of cove				Defermed [
Completed ☐ 6.3 Bellefontaine will protect	Cancelled open areas and pa	On Schedule ☐ arks from wind erosio	Delayed X	Deferred □ windbreaks, buffers.
tree lines, and other vegetati				
Completed □	Cancelled	On Schedule X	Delayed □	Deferred □
Table 3-3: V	illage of Belle Ce	nter 2017 Mitigatio	n Goals and Stra	ategies
GOAL 1: BELLE CENTER WILL RIVERINE AND FLASH FLOOD		ATION ACTIONS THA	T REDUCE THE DA	AMAGES FROM
1.1 Belle Center will consider			•	ilable to the
community and to prevent fu Completed □	iture damages thro Cancelled	ough floodplain regula On Schedule **	ation. Delayed	Deferred □
1.2 Belle Center will use finar			•	
Completed □	Cancelled □	On Schedule X	Delayed □	Deferred □
1.3 Belle Center will advocate	e and support floor	d insurance where rec	quired.	

Completed □	Cancelled □	On Schedule X	Delayed □	Deferred □
1.4 Belle Center will maintai				and other land use
regulations that encourage s				
Completed	Cancelled	On Schedule X	Delayed □	Deferred □
1.5 Belle Center will particip			ility study to redu	ice flood damages to
properties through better w			_	
Completed	Cancelled	On Schedule X	Delayed □	Deferred
1.6 Belle Center will implem	ent improvements	to ditch maintenance	in the village to e	ensure adequate
drainage.	_		_	_
Completed	Cancelled	On Schedule X	Delayed	Deferred
1.7 Belle Center will maintai	n storm sewers, pu	mping stations, water	r pumps, and other	er devices to protect
property from flooding.				
Completed	Cancelled	On Schedule X	Delayed	Deferred □
1.8 Belle Center will remove				
Completed		On Schedule X	Delayed □	Deferred □
1.9 Belle Center will require		· · · · · · · · · · · · · · · · · · ·	in runoff water in	new or expansion
development where surface	•			
Completed	Cancelled	On Schedule X	Delayed □	Deferred □
1.10 Belle Center will utilize				
Completed	Cancelled	On Schedule W	Delayed □	Deferred □
1.11 Belle Center will acquire			· · · · · · · · · · · · · · · · · · ·	
risk areas, and will restore p				
Completed	Cancelled	On Schedule	Delayed □	Deferred *
1.12 Belle Center will suppor	•	deteriorated field tile	es and will suppor	rt conservation tillage
and erosion protection meas				
Completed	Cancelled	On Schedule X	Delayed □	Deferred □
GOAL 2: BELLE CENTER WILL	COMPLETE MITIG	ATION ACTIONS THA	T ENABLE RAPID	AND EFFECTIVE
COMMUNICATION DURING	A DISASTER INCDE	NT FOR THE PURPOS	SE OF DIRECTING	THE POPULATION TO
TAKE PROTECTIVE ACTIONS	AND TO FOLLOW	OPERATIONAL PROCE	EDURES.	
2.1 Belle Center will advocat	re and support effo	rts to improve GIS ma	anning to include	infrastructure and
utility services, and to expan		•	· · · · ·	
community planning.	a the eastornizatio	ir capability of softwa	ire to produce dat	ta triat is ascrar in
Completed □	Cancelled □	On Schedule *	Delayed □	Deferred □
2.2 Belle Center will advocat			•	
responding to emergency an		•		
mutual aid resources when r		•	**	racintate the use of
Completed	Cancelled □	On Schedule X	Delayed □	Deferred □
2.3 Belle Center will develop			•	
and direct contact with resid		· ·		, , , , , , , , , , , , , , , , , , , ,
Completed □	Cancelled □	On Schedule *	Delayed □	Deferred □
2.4 Belle Center will develop			•	
orders, warnings and notification	•	•	•	· ·
incidents when necessary.	,	0		•
Completed 🗆	Cancelled □	On Schedule X	Delayed □	Deferred □

2.5 Belle Center will develop all community partners durin		•	coordinate life-sa	aving efforts between
Completed □	Cancelled	On Schedule X	Delayed □	Deferred □
GOAL 3: BELLE CENTER WILL SEVERE WIND STORMS THA				GES INCURRED FROM
3.1 Belle Center will advocat wind, especially where trees				amages caused by
Completed □	Cancelled	On Schedule X	Delayed □	Deferred □
3.2 Belle Center will impleme obstructions out of storm se		ear areas of crop debr	ris and other debi	ris after storms to keep
	Cancelled	On Schedule X	Delayed □	Deferred □
3.3 Belle Center will support			•	
basements or other shelters.			•	
•	Cancelled	On Schedule X	Delayed □	Deferred □
3.4 Belle Center will identify power outages or extreme co		ions to be used as cor	nmunity centers	during extended
GOAL 4: BELLE CENTER WILL		TION ACTIONS THAT P	EDUCE DAMAGE	S EDOM LITHITY
OUTAGES AND SUPPLY SHO		ION ACTIONS THAT K	EDOCE DAIVIAGE	3 FROW OTILITY
4.1 Belle Center will encoura supply lines and generation	•		~	
Completed □	Cancelled	On Schedule	Delayed □	Deferred *
4.2 Belle Center will identify				· · · · · · · · · · · · · · · · · · ·
sources and other critical sup				
Completed	Cancelled		Delayed □	
GOAL 5: BELLE CENTER WILL AND INFRASTRUCTURE DUE				
5.1 Belle Center will protect washed away foundation or	•	•		
soil types.				
Completed	Cancelled	On Schedule *	Delayed	Deferred □
GOAL 6: BELLE CENTER WILL POPULATION TO DAMAGES				
6.1 Belle Center will maintain	· ·			
sirens) used to deliver warni				
Completed	Cancelled	On Schedule X	Delayed □	Deferred □
6.2 Belle Center will educate calling, weather radios, warr				
storms or emergency incider		ital resources that line	of the the through	illing ille-till eaterining
Completed □	Cancelled	On Schedule X	Delayed □	Deferred □
6.3 Belle Center will remove	dead or diseased t	rees along waterways	and in the public	domain.
Completed □	Cancelled □	On Schedule X	Delayed □	Deferred □
6.4 Belle Center will establish		on procedures to be in	nplemented duri	ng water emergencies
due to drought or contamina	ation.			

Completed ☐ Cancelled ☐ On Schedule ¥ Delayed ☐ Deferred ☐	
6.5 Belle Center will improve capacity to rapidly place temporary warning signs that indicate dangerous ro	ad
conditions.	
Completed ☐ Cancelled ☐ On Schedule ※ Delayed ☐ Deferred ☐	
Table 3-4: Village of DeGraff 2017 Mitigation Goals and Strategies	
GOAL 1: DEGRAFF WILL ENGAGE IN MITIGATION ACTIONS THAT REDUCE THE DAMAGES FROM RIVERING	E
AND FLASH FLOODING.	
1.1 DeGraff will maintain NFIP participation through regular review of flood maps and sustain engagemen	
to ensure accuracy of the maps, including advocacy for adoption of current maps as amended through the	5
appeal process. Completed □ Cancelled □ On Schedule ★ Delayed □ Deferred □	
1.2 DeGraff will advocate and support flood insurance where required.	
Completed ☐ Cancelled ☐ On Schedule ★ Delayed ☐ Deferred ☐	
1.3 DeGraff will maintain existing local building codes, zoning regulations, and other land use regulations	
that encourage sustainable disaster resistant structures in all areas.	
Completed ☐ Cancelled ☐ On Schedule ★ Delayed ☐ Deferred ☐	
1.4 DeGraff will use financial aid for flood mitigation through grants, fees, and other special programs.	
Completed ☐ Cancelled ☐ On Schedule X Delayed ☐ Deferred ☐	
1.5 DeGraff will advocate for removal of debris, fallen diseased trees, and excess sediment and to improve	5
river maintenance.	
Completed ☐ Cancelled ☐ On Schedule ★ Delayed ☐ Deferred ☐	
1.6 DeGraff will implement improvements to ditch maintenance to reduce sedimentation and erosion. Completed □ Cancelled □ On Schedule □ Delayed ★ Deferred □	
1.7 DeGraff will maintain, replace or add storm sewers, wastewater pumping stations, water pumps, and	
other devices or structures to protect property from flooding and to less flash flooding.	
Completed ☐ Cancelled ☐ On Schedule ★ Delayed ☐ Deferred ☐	
1.8 DeGraff will remove debris and obstructions from ditches and streams.	
Completed ☐ Cancelled ☐ On Schedule ☐ Delayed ☐ Deferred ★	
1.9 DeGraff will utilize elevation to protect critical infrastructure and property from flooding.	
Completed ★ Cancelled □ On Schedule □ Delayed □ Deferred □	
GOAL 2: DEGRAFF WILL EMPLOY MITIGATION ACTIONS TO REDUCE THE DAMAGES FROM SEVERE WIND)
STORMS THAT INCLUDE STRAIGHT LINE WINDS AND TORNADOES.	
2.1 DeGraff will advocate proper trimming of trees and vegetation to include damages caused by wind,	
especially where trees are infected with disease like Emerald Ash Borer.	
Completed ☐ Cancelled ☐ On Schedule ★ Delayed ☐ Deferred ☐	
2.2 DeGraff will support the construction of safe rooms for single and multi-family homes without	
basements or shelters.	
Completed ☐ Cancelled ☐ On Schedule ☐ Delayed ¥ Deferred ☐	
GOAL 3: DEGRAFF WILL CONUCT MITIGATION ACTIONS TO REDUCE THE VULNERABILITY OF ITS	
POPULATION TO DAMGES AND CASUALTY DUE TO ALL TYPES OF DISASTERS AND SEVERE STORMS.	
3.1 DeGraff educate the public about local digital warning and notification systems like reverse calling,	
weather radios, warning sirens, and digital resources that inform them of incoming life-threatening storm	S

or emergency incidents.

Completed □	Cancelled	On Schedule X	Delayed □	Deferred □
3.2 DeGraff will maintain ar	nd improve hardwar	re, software and capi	tal equipment (ou	tdoor warning sirens)
used to deliver warnings an				
Completed	Cancelled	On Schedule *	Delayed □	Deferred □
GOAL 4: DEGRAFF WILL EM AND SUPPLY SHORTAGES.	PLOY MITIGATION	ACTIONS THAT REDU	JCE DAMAGES FR	OM UTILITY OUTAGES
4.1 DeGraff will encourage	the hardening of ut	ilities through installa	ation below grade	, improvements to
supply lines and generation	plants, and upgrad	le of poles, substation	ns, and transforme	ers.
Completed □	Cancelled	On Schedule	Delayed □	Deferred X
GOAL 5: DEGRAFF WILL CO COMMUNICATION DURING PROTECTIVE ACTION AND F	A DISASTER FOR T	THE PURPOSE OF DIR		=
5.1 DeGraff will develop a n	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	•	protective action
orders, warnings and notific				
Completed □	Cancelled	On Schedule *	Delayed □	Deferred □
5.2 DeGraff will develop int		nication plans to coo	rdinate life-saving	efforts between all
community partners during		On Calcadala W	Deleved 🗆	Defermed 🗆
Completed 5.3 Do Croff will advente the	Cancelled	On Schedule X	Delayed	Deferred
5.3 DeGraff will educate the vulnerable populations, ava				
information and other optic		id emergency proced	ures using mass a	na sociai media, printed
Completed	Cancelled	On Schedule X	Delayed □	Deferred □
5.4 DeGraff will develop, ut			•	
and director contact with re		•		media, social media,
Completed □	Cancelled	On Schedule *	Delayed □	Deferred □
			•	
GOAL 6: DEGRAFF WILL ENG FLOODING, WIND, LAND US			UCE THE EROSION	TOF TOPSOIL DUE TO
6.1 DeGraff will protect roa		· · · · · · · · · · · · · · · · · · ·		
away foundations or abutm	ents, or other dete	rioration due to extre	eme runoff or spe	cific highly vulnerable
soil types.				
Completed	Cancelled	On Schedule X	Delayed 🗆	Deferred
- 11 0 -			0 1 10	
		ville 2017 Mitigatio		
GOAL 1: HUNTSVILLE WILL				ES INCURRED FROM
SEVERE WIND STORMS THA				and an under the d
1.1 Huntsville will advocate				ges caused by wind,
especially where trees are in Completed □		On Schedule	Delayed	Deferred □
1.2 Huntsville will support t			•	
basements or shelters.	ne construction of s	sare rooms for single	and main-idinity i	ionics without
Completed	Cancelled □	On Schedule	Delayed □	Deferred □
1.3 Huntsville will encourage				
resistant as possible to wind		0		
Completed □		On Schedule	Delayed □	Deferred □

GOAL 2: HUNTSVILLE WILL	ENGAGE IN MITIGA	TION ACTIONS THAT	REDUCE DAMAG	ES FROM FLOODING.
2.1 Huntsville will consider jand to prevent future dama			protection availa	ble to the community
Completed □	Cancelled □	On Schedule	Delayed □	Deferred □
2.2 Huntsville will advocate		•		
Completed	Cancelled	On Schedule	Delayed 🗆	Deferred
2.3 Huntsville will maintain that encourage sustainable			ations, and other	land use regulations
Completed □	Cancelled □	On Schedule	Delayed □	Deferred □
2.4 Huntsville will use finance				
Completed	Cancelled	On Schedule	Delayed □	Deferred □
2.5 Huntsville will participat and field tiling practices to I	· · · · · · · · · · · · · · · · · · ·		y study to improv	e wastewater systems
Completed □	Cancelled □		Delayed □	Deferred □
2.6 Huntsville will maintain,				
other devices or structures				_
Completed	Cancelled	On Schedule	Delayed □	Deferred □
2.7 Huntsville will remove d				
Completed	Cancelled	On Schedule	Delayed □	Deferred Classification
2.8 Huntsville will utilize ele Completed □	Cancelled	On Schedule 🗆	Delayed	Deferred \square
Completed	cancelled 🗀	On Schedule 🗆	Delaved 🗀	Deferred 🗀
Som present in				
GOAL 3: HUNTSVILLE WILL OUTAGES AND SUPPLY SHO	EMPLOY MITIGATION		•	FROM UTILITY
GOAL 3: HUNTSVILLE WILL OUTAGES AND SUPPLY SHO 3.1 Huntsville will encourag	EMPLOY MITIGATION DRTAGES. e the hardening of the control of the	ON ACTIONS THAT RE	DUCE DAMAGES lation below grad	e, improvements to
GOAL 3: HUNTSVILLE WILL OUTAGES AND SUPPLY SHO	EMPLOY MITIGATION DRTAGES. e the hardening of upgrade plants, and upgrade	ON ACTIONS THAT RE utilities through install e of poles, substations	DUCE DAMAGES lation below grad s and transformer	e, improvements to
GOAL 3: HUNTSVILLE WILL OUTAGES AND SUPPLY SHO 3.1 Huntsville will encourag supply lines and generation Completed	EMPLOY MITIGATION DRTAGES. e the hardening of upgrade Cancelled	ON ACTIONS THAT REL utilities through install e of poles, substations On Schedule □	DUCE DAMAGES lation below grad s and transformer Delayed	e, improvements to ss. Deferred
GOAL 3: HUNTSVILLE WILL OUTAGES AND SUPPLY SHO 3.1 Huntsville will encourag supply lines and generation Completed 3.2 Huntsville will identify a	EMPLOY MITIGATION DRTAGES. e the hardening of uplants, and upgrade Cancelled nd establish alterna	utilities through installe of poles, substations On Schedule te heating fuels, pota	DUCE DAMAGES lation below grad s and transformer Delayed ble water supplie	e, improvements to ss. Deferred rs, alternate power
GOAL 3: HUNTSVILLE WILL OUTAGES AND SUPPLY SHO 3.1 Huntsville will encourag supply lines and generation Completed 3.2 Huntsville will identify a sources, and other critical si	e the hardening of uplants, and upgrade Cancelled nd establish alterna	utilities through installe of poles, substations On Schedule ite heating fuels, pota	DUCE DAMAGES lation below grad s and transformer Delayed ble water supplie ness, and safety d	e, improvements to s. Deferred rs, alternate power uring power outages.
GOAL 3: HUNTSVILLE WILL OUTAGES AND SUPPLY SHO 3.1 Huntsville will encourag supply lines and generation Completed 3.2 Huntsville will identify a	EMPLOY MITIGATION DRTAGES. e the hardening of uplants, and upgrade Cancelled nd establish alterna	utilities through installe of poles, substations On Schedule ite heating fuels, pota	DUCE DAMAGES lation below grad s and transformer Delayed ble water supplie	e, improvements to ss. Deferred rs, alternate power
GOAL 3: HUNTSVILLE WILL OUTAGES AND SUPPLY SHO 3.1 Huntsville will encourag supply lines and generation Completed 3.2 Huntsville will identify a sources, and other critical si	EMPLOY MITIGATION ORTAGES. e the hardening of uplants, and upgrade Cancelled nd establish alterna upplies necessary for Cancelled ENGAGE IN MITIGA	utilities through installe of poles, substations On Schedule ate heating fuels, pota or sustaining life, busin On Schedule It on Schedule I	DUCE DAMAGES lation below grad s and transformer Delayed ble water supplie ness, and safety d Delayed DUCE DAMAGES	e, improvements to es. Deferred rs, alternate power uring power outages. Deferred FROM ALL SEVERE
GOAL 3: HUNTSVILLE WILL OUTAGES AND SUPPLY SHO 3.1 Huntsville will encourag supply lines and generation Completed 3.2 Huntsville will identify a sources, and other critical s Completed GOAL 4: HUNTSVILLE WILL STORMS, INCLUDING THUN 4.1 Huntsville will expand an	EMPLOY MITIGATION ORTAGES. e the hardening of uplants, and upgrade Cancelled Indicate the stablish alternate the	utilities through installe of poles, substations On Schedule are heating fuels, potallor sustaining life, busin On Schedule TION ACTIONS TO REBLIZZARDS, AND OTH	DUCE DAMAGES lation below grad and transformer Delayed Delayed Delayed Delayed Delayed DUCE DAMAGES ER NATURAL DISA	e, improvements to s. Deferred rs, alternate power uring power outages. Deferred FROM ALL SEVERE ASTERS AND CAUSES.
GOAL 3: HUNTSVILLE WILL OUTAGES AND SUPPLY SHO 3.1 Huntsville will encourag supply lines and generation Completed 3.2 Huntsville will identify a sources, and other critical s Completed GOAL 4: HUNTSVILLE WILL STORMS, INCLUDING THUN 4.1 Huntsville will expand an improved outdoor warning	e the hardening of uplants, and upgrade Cancelled Cancel	utilities through installe of poles, substations On Schedule the heating fuels, pota or sustaining life, busin On Schedule TION ACTIONS TO RE BLIZZARDS, AND OTH ic warning and notificates to the software use	DUCE DAMAGES lation below grad s and transformer Delayed ble water supplie ness, and safety d Delayed DUCE DAMAGES ER NATURAL DISA ation capability the	e, improvements to s. Deferred rs, alternate power uring power outages. Deferred FROM ALL SEVERE ASTERS AND CAUSES.
GOAL 3: HUNTSVILLE WILL OUTAGES AND SUPPLY SHO 3.1 Huntsville will encourag supply lines and generation Completed 3.2 Huntsville will identify a sources, and other critical so Completed GOAL 4: HUNTSVILLE WILL STORMS, INCLUDING THUN 4.1 Huntsville will expand as improved outdoor warning education regarding warning	EMPLOY MITIGATION ORTAGES. e the hardening of uplants, and upgrade Cancelled Indicated Indicate	utilities through installe of poles, substations On Schedule ate heating fuels, potator sustaining life, busin On Schedule ATION ACTIONS TO REBLIZZARDS, AND OTH at warning and notificates to the software used	DUCE DAMAGES lation below grad and transformer Delayed Delayed Delayed Delayed DUCE DAMAGES ER NATURAL DISARTION capability the d in these system warnings.	e, improvements to s. Deferred rs, alternate power uring power outages. Deferred FROM ALL SEVERE ASTERS AND CAUSES. rough additional or ms, or enhanced public
GOAL 3: HUNTSVILLE WILL OUTAGES AND SUPPLY SHO 3.1 Huntsville will encourag supply lines and generation Completed 3.2 Huntsville will identify a sources, and other critical s Completed GOAL 4: HUNTSVILLE WILL STORMS, INCLUDING THUN 4.1 Huntsville will expand at improved outdoor warning education regarding warnin Completed	e the hardening of uplants, and upgrade Cancelled Cancel	utilities through installe of poles, substations On Schedule or sustaining life, busin On Schedule TION ACTIONS TO RE BLIZZARDS, AND OTH ic warning and notificates to the software used for protection orders or	DUCE DAMAGES lation below grad and transformer Delayed Delayed Delayed DUCE DAMAGES ER NATURAL DISCRIPTION CAPACITY CAP	e, improvements to rs. Deferred rs, alternate power uring power outages. Deferred FROM ALL SEVERE ASTERS AND CAUSES. brough additional or rs, or enhanced public
GOAL 3: HUNTSVILLE WILL OUTAGES AND SUPPLY SHO 3.1 Huntsville will encourag supply lines and generation Completed 3.2 Huntsville will identify a sources, and other critical so Completed GOAL 4: HUNTSVILLE WILL STORMS, INCLUDING THUN 4.1 Huntsville will expand as improved outdoor warning education regarding warning	e the hardening of uplants, and upgrade Cancelled Cancel	utilities through installe of poles, substations On Schedule the heating fuels, pota or sustaining life, busin On Schedule TION ACTIONS TO REBLIZZARDS, AND OTH ic warning and notificates to the software used for protection orders or On Schedule al digital warning and	DUCE DAMAGES lation below grad and transformer Delayed Delayed Delayed DUCE DAMAGES ER NATURAL DISA ation capability the din these system warnings. Delayed	e, improvements to rs. Deferred rs, alternate power uring power outages. Deferred FROM ALL SEVERE ASTERS AND CAUSES. brough additional or rs, or enhanced public
GOAL 3: HUNTSVILLE WILL OUTAGES AND SUPPLY SHO 3.1 Huntsville will encourag supply lines and generation Completed 3.2 Huntsville will identify a sources, and other critical si Completed GOAL 4: HUNTSVILLE WILL STORMS, INCLUDING THUN 4.1 Huntsville will expand an improved outdoor warning education regarding warnin Completed 4.2 Huntsville will educate to	e the hardening of uplants, and upgrade Cancelled Cancel	utilities through installe of poles, substations On Schedule the heating fuels, pota or sustaining life, busin On Schedule TION ACTIONS TO REBLIZZARDS, AND OTH ic warning and notificates to the software used for protection orders or On Schedule al digital warning and	DUCE DAMAGES lation below grad and transformer Delayed Delayed Delayed DUCE DAMAGES ER NATURAL DISA ation capability the din these system warnings. Delayed	e, improvements to rs. Deferred rs, alternate power uring power outages. Deferred FROM ALL SEVERE ASTERS AND CAUSES. brough additional or rs, or enhanced public

5.1 Huntsville 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 i	nclude print and sp	ooken media, digital re	esources, and oth	er appropriate local	
resources.	Concelled	On Cabadula 🗆	Deleved 🗆	Defermed 🗆	
Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed	Cancelled	On Schedule	Delayed ordinate life south	Deferred configuration of the state of the	
5.2 Huntsville will develop in community partners during		iunication plans to cod	ordinate ille-savin	ig enorts between all	
Completed	Cancelled □	On Schedule	Delayed □	Deferred □	
5.3 Huntsville will develop, u			•		
and direct contact with resid		· · · · · · · · · · · · · · · · · · ·			
Completed □	Cancelled \Box	On Schedule	Delayed □	Deferred □	
GOAL 6: HUNTSVILLE WILL I	ENGAGE IN MITIGA	ATION ACTIONS TO PR	ESERVE AND PRO	TECT NATURAL	
RESOURCES SUCH AS TOPSO	OIL AND WATERWA	AYS FROM EROSION			
6.1 Huntsville will protect ro	adways vulnerable	to compromised stru	ctural integrity, d	amaged berms,	
washed away foundation or	abutments, or oth	er deterioration due to	o extreme runoff	or highly vulnerable	
soil types.		_	_		
Completed	Cancelled	On Schedule	Delayed 🗆	Deferred	
Table 3	-6: Village of Lake	eview Mitigation Go	oals and Strateg	ies	
GOAL 1: LAKEVIEW WILL EN	IGAGE IN MITIGAT	ION ACTIONS THAT R	EDUCE DAMAGES	FROM FLOODING.	
1.1 Lakeview will maintain N					
to ensure accuracy of the m	aps, including advo	ocacy for adoption of o	current maps as a	mended through the	
appeal process.					
Completed □	Cancelled	On Schedule X	Delayed □	Deferred □	
1.2 Lakeview will advocate a	Cancelled	On Schedule *		Deferred □	
Completed	Cancelled 🗆	On Schedule *	Delayed □	Deferred 🗆	
1.3 Lakeview will maintain e			ations, and other	land use regulations	
that encourage sustainable	disaster-resistant s	tructures.			
Completed □	Cancelled	On Schedule X	Delayed □	Deferred □	
1.4 Lakeview will use financ	ial aid for flood mit	igation through grants	s, fees, and other	special programs.	
Completed □	Cancelled □	On Schedule X	Delayed □	Deferred □	
1.5 Lakeview will advocate		fallen diseased trees, a	and excess sedime	ent from rivers and to	
improve river maintenance.					
Completed □	Cancelled	On Schedule *	Delayed	Deferred □	
1.6 Lakeview will study the	likelihood of poten	tial impact of dam fail	ure that may have	e negative outcomes	
on the community.	Cancelled	On Schedule 🗆	Dalamad 🗆	Defermed W	
Completed ☐ 1.7 Lakeview will implemen			Delayed □	Deferred *	
erosion.	t improvements to	the ditti manitenant	e program to redi	ace sealinementation and	
Completed	Cancelled □	On Schedule	Delayed □	Deferred ≭	
1.8 Lakeview will remove de			•		
Completed □	Cancelled □	On Schedule X	Delayed □	Deferred □	
1.9 Lakeview will acquire an					
risk area, and to restore pro	perty to a natural h	nabitat maintained as	such into perpetu	uity.	

Completed □	Cancelled	On Schedule X	Delayed □	Deferred □
1.10 Lakeview will create ve	getative buffer zon	es, wetlands, and nat	ural habitat in lov	w-lying areas to hold
excess runoff until it drains		,		
Completed	Cancelled	On Schedule		Deferred X
1.11 Lakeview will properly		spillways to lessen th	ne likelihood of st	ructural failure and
flooding due to poor mainte		_	_	
Completed □	Cancelled		Delayed □	Deferred X
1.12 Lakeview will maintain	· ·			
other devices or structures				
Completed □	Cancelled □	On Schedule X	Delayed □	Deferred □
1.13 Lakeview will require r			off water in new	development or
expansion where surface ru	•			- 4
Completed	Cancelled	On Schedule X	Delayed 🗆	Deferred □
GOAL 2: LAKEVIEW WILL EN	MPLOY MITIGATION	N ACTIONS TO REDUC	E DAMAGES INC	URRED FROM SEVERE
WINDSTORMS, INCLUDING	STRAIGHT-LINE W	INDS AND TORNADO	ES.	
2.1 Lakeview will advocate a	and support and im	anlament en village e	wood proporty th	no propor maintenance
of trees and vegetation to r		•		ne proper maintenance
Completed	Cancelled		Delayed □	Deferred □
2.2 Lakeview will advocate f			•	
single and multi-family hom				locations, including
Completed	Cancelled	On Schedule *		Deferred □
2.3 Lakeview will maintain a			Delayed on offert to reduce	
	ind emorce local la	nd use regulations in a	an enort to reduc	e storm damages to
proportios				
properties.	Cancelled	On Schedule ¥	Delayed □	Deferred □
Completed □	Cancelled	On Schedule *	Delayed □	Deferred □
Completed ☐ GOAL 3: LAKEVIEW WILL EN	IGAGE IN MITIGAT	ION ACTIONS TO RED	· · · · · · · · · · · · · · · · · · ·	
Completed □	IGAGE IN MITIGAT	ION ACTIONS TO RED	· · · · · · · · · · · · · · · · · · ·	
GOAL 3: LAKEVIEW WILL EN	IGAGE IN MITIGAT	ION ACTIONS TO RED ALL CAUSES	UCE DAMAGES D	OUE TO UTILITY
GOAL 3: LAKEVIEW WILL EN OUTAGES AND RESOURCE S 3.1 Lakeview will establish r	NGAGE IN MITIGAT SHORTAGES FROM redundant suppliers	ION ACTIONS TO RED ALL CAUSES of heating fuels, pota	OUCE DAMAGES D	ther utility needs and
GOAL 3: LAKEVIEW WILL EN OUTAGES AND RESOURCE S 3.1 Lakeview will establish r will identify and facilitate as	GAGE IN MITIGATE SHORTAGES FROM edundant suppliers railability and proper	ION ACTIONS TO RED ALL CAUSES of heating fuels, pota er use of generators a	able water, and o	ther utility needs and wer source.
GOAL 3: LAKEVIEW WILL EN OUTAGES AND RESOURCE S 3.1 Lakeview will establish r will identify and facilitate as Completed Completed	SHORTAGES FROM redundant suppliers vailability and proper Cancelled	ION ACTIONS TO RED ALL CAUSES of heating fuels, pota er use of generators a On Schedule **	able water, and o	ther utility needs and wer source. Deferred
Completed ☐ GOAL 3: LAKEVIEW WILL END OUTAGES AND RESOURCES 3.1 Lakeview will establish rewill identify and facilitate and Completed ☐ 3.2 Lakeview will encouraged	SHORTAGES FROM Sedundant suppliers vailability and proper Cancelled the hardening of u	ION ACTIONS TO RED ALL CAUSES s of heating fuels, pota er use of generators a On Schedule ** utilities through dama	able water, and or s an alternate por Delayed ge resistant instal	ther utility needs and wer source. Deferred Illation below grade,
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GOAL 3: LAKEVIEW WILL ENDUTAGES AND RESOURCES 3.1 Lakeview will establish rewill identify and facilitate and Completed 3.2 Lakeview will encourage improvements to supply line Completed GOAL 4: LAKEVIEW WILL ENSTORMS, INCLUDING THUNG THUNG A.1 Lakeview will improve conditions. Completed 4.2 Lakeview will establish will establis	AGAGE IN MITIGATE SHORTAGES FROM redundant suppliers vailability and proper Cancelled	ION ACTIONS TO RED ALL CAUSES of heating fuels, pota er use of generators a On Schedule ** utilities through dama plants, and upgrade of On Schedule ** ION ACTIONS TO RED BLIZZARDS, AND OTH lace temporary warni On Schedule	able water, and or s an alternate por Delayed ge resistant instal of substations and Delayed DUCE DAMAGES FAER NATURAL DISTANTANT DISTANTANT DELAYED DELA	ther utility needs and wer source. Deferred Illation below grade, transformers. Deferred ROM ALL SEVERE SASTERS AND CAUSES cate dangerous road Deferred Deferred
GOAL 3: LAKEVIEW WILL ENDUTAGES AND RESOURCES 3.1 Lakeview will establish rewill identify and facilitate and Completed 3.2 Lakeview will encourage improvements to supply line Completed GOAL 4: LAKEVIEW WILL ENSTORMS, INCLUDING THUNCE CONDITIONS THUNCE CONDITIONS. Completed 4.2 Lakeview will establish will due to drought or contaminations.	IGAGE IN MITIGATE SHORTAGES FROM redundant suppliers vailability and proper Cancelled rethe hardening of uses and generations Cancelled results IDERSTORMS AND repacity to rapidly provided reconservation ation.	ION ACTIONS TO RED ALL CAUSES s of heating fuels, pota er use of generators a On Schedule ** utilities through dama plants, and upgrade of On Schedule ** ION ACTIONS TO RED BLIZZARDS, AND OTH lace temporary warni On Schedule procedures to be imp	able water, and or s an alternate por Delayed ge resistant instal of substations and Delayed DUCE DAMAGES FAER NATURAL DISTINGT SIGNS that indice Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed Delayed D	ther utility needs and wer source. Deferred Illation below grade, transformers. Deferred ROM ALL SEVERE SASTERS AND CAUSES cate dangerous road Deferred water emergencies Deferred Deferred Deferred
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sirens) used to deliver warr	•	are, software, and cap	pital equipment (d	outdoor warning
Completed	Cancelled		Delayed □	Deferred □
4.5 Lakeview will implemen			•	
in the public domain.		·		
Completed □	Cancelled	On Schedule X	Delayed □	Deferred □
GOAL 5: LAKEVIEW WILL EI USE DISASTER INFORMATI LOGAN COUNTY				
5.1 Lakeview will educate t actions, available services, using a variety of means to resources.	vulnerable populati	ons and available assi ooken media, digital r	stance and other esources, and oth	emergency procedures
Completed	Cancelled	On Schedule X	Delayed □	Deferred □
5.2 Lakeview will develop a orders, warning and notific	· ·	•	•	f protective action
Completed □	Cancelled	On Schedule X	Delayed □	Deferred □
5.3 Lakeview will develop in	· · · · · · · · · · · · · · · · · · ·	unication plans to coo	ordinate life-savin	g efforts between all
community partners during	$\mathbf{Cancelled}$	On Schedule	Dolayed 🗆	Deferred X
Completed ☐ 5.4 Lakeview will develop, (Delayed n to include mass	
and direct contact with res	•	•		s illeula, social illeula,
		Pland after incidents.		
Completed	Cancelled	On Schedule		Deferred ≭
	Cancelled □	On Schedule	Delayed □	
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Completed GOAL 6: LAKEVIEW WILL EI RESOURCES SUCH AS TOPS 6.1 Lakeview will protect shor degradation through sta Completed 6.2 Lakeview will protect ro away foundations or abuting Completed Table 3- GOAL 1: QUINCY WILL EMP WINDSTORMS, INCLUDING 1.1 Quincy will advocate and	Cancelled NGAGE IN MITIGAT COIL AND WATERWA TO THE COIL AND THE COIL	On Schedule ION ACTIONS TO PRE AYS FROM EROSION. anks from wind, wate as like lining with rip-ra On Schedule to compromised structionation due to sever On Schedule cy 2017 Mitigation (ACTIONS TO REDUCE I	Delayed SERVE AND PROT or and other hazar ap or large stone. Delayed ** cture integrity, da re storms. Delayed ** Goals and Strate DAMAGES INCUR ES. ned property, the	ds that cause erosion Deferred maged berms, washed Deferred Deferred Egies RED FROM SEVERE
Completed GOAL 6: LAKEVIEW WILL EI RESOURCES SUCH AS TOPS 6.1 Lakeview will protect shor degradation through sta Completed 6.2 Lakeview will protect ro away foundations or abuting Completed Table 3- GOAL 1: QUINCY WILL EMP WINDSTORMS, INCLUDING 1.1 Quincy will advocate and trees and vegetation to red	Cancelled NGAGE IN MITIGAT COIL AND WATERWA TO THE TENTE	On Schedule ION ACTIONS TO PRE AYS FROM EROSION. anks from wind, wate is like lining with rip-ra On Schedule to compromised structionation due to sever On Schedule CY 2017 Mitigation (INDS AND TORNADO) Improved the component on village-own displaying winds or tor On Schedule Teation of safe rooms	Delayed SERVE AND PROT or and other hazar ap or large stone. Delayed cture integrity, da re storms. Delayed Goals and Strate DAMAGES INCUR ES. ned property, the rnadoes Delayed for vulnerable loc	ds that cause erosion Deferred maged berms, washed Deferred egies RED FROM SEVERE proper maintenance of Deferred Deferred Deferred

1.3 Quincy will implement a fodder and debris out of wat and to keep roadways open	ter treatment plant	s, sewers, transporta	tion routes, and o	' '
Completed □	Cancelled	On Schedule X	Delayed □	Deferred □
1.4 Quincy will maintain and properties.	enforce land use r	egulations in an effor	t to reduce storm	damages to
Completed □	Cancelled	On Schedule X	Delayed □	Deferred □
GOAL 2: QUINCY WILL ENGA AND RESOURCE SHORTAGES			E DAMAGES DUE	E TO UTILITY OUTAGES
2.1 Quincy will encourage th improvements to supply line				· · · · · · · · · · · · · · · · · · ·
Completed □	Cancelled	On Schedule X	Delayed □	Deferred □
2.2 Quincy will establish redidentify and facilitate available				•
Completed □	Cancelled	On Schedule X	Delayed □	Deferred □
GOAL 3: QUINCY WILL ENGA STORMS, INCLUDING THUN				
3.1 Quincy will educate the princoming severe weather an			tification systems	that inform them of
Completed □	Cancelled □	On Schedule X	Delayed □	Deferred □
3.2 Qunicy will develop and waterways and roadways the				_
Completed □	Cancelled □	On Schedule \square	Delayed *	Deferred □
3.3 Quincy will help farms reincidents by supporting farm assisting with other issues of	ner's needs through	clearing roads for on		
Completed □	Cancelled	On Schedule	Delayed *	Deferred □
3.4 Qunicy will help farms id operations from storm dama		neasures needed to pr	otect equipment,	, facilities, and
Completed □	Cancelled □	On Schedule X	Delayed □	Deferred □
3.5 Quincy will maintain and used to deliver warnings and	•	e, software, and capita	al equipment (out	door warning sirens)
Completed □	Cancelled □	On Schedule	Delayed *	Deferred □
3.6 Quincy will improve capa conditions.	acity to rapidly plac	e temporary warning	signs that indicat	e dangerous road

·	Completed □	Cancelled □	On Schedule X	Delayed □	Deferred □
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4.1 Quin					KOWI FLOODING
	accuracy of the maps		ough regular review of cy for adoption of curr	•	sustain engagement to nded through the
	Completed □	Cancelled □	On Schedule X	Delayed □	Deferred □
4.2 Quni	icy will advocate and	support flood insu	irance where required	d.	
	Completed □	Cancelled	On Schedule	Delayed X	Deferred □
	icy will maintain exis ge sustainable disas			ons, and other lar	nd use regulations that
	Completed □	Cancelled □	On Schedule X	Delayed □	Deferred □
4.4 Quni	icy will use financial	aid for flood mitiga	ition through grants, f	ees, and other sp	ecial programs.
	Completed □	Cancelled □	On Schedule	Delayed X	Deferred □
	ncy will advocate ren e river maintenance.		en diseased trees, and	l excess sediment	from rivers to
	Completed □	Cancelled □	On Schedule	Delayed X	Deferred □
	ncy will participate in s to limit damages fr		rability study to impro	ove wastewater s	ystems and field tiling
	Completed □	Cancelled □	On Schedule X	Delayed □	Deferred □
1	completed in				
	ncy will maintain, rep		sewers, wastewater p from flooding and to		
	ncy will maintain, rep		•		
other de	concy will maintain, repervices or structures to the Completed Completed	co protect property Cancelled □	from flooding and to	lessen flash flood Delayed *	ing.
other de	concy will maintain, repervices or structures to the Completed Completed	co protect property Cancelled □	from flooding and to On Schedule	lessen flash flood Delayed *	ing.
4.8 Quin	Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Compl	co protect property Cancelled is and obstructions Cancelled ition and detention	from flooding and to On Schedule from ditches and stree On Schedule ponds to contain run	Delayed X eams. Delayed X	Deferred □ Deferred □
4.8 Quin	completed	co protect property Cancelled is and obstructions Cancelled ition and detention	from flooding and to On Schedule from ditches and stree On Schedule ponds to contain run	Delayed X eams. Delayed X	Deferred □ Deferred □
4.8 Quin 4.9 Quin expansio	completed	co protect property Cancelled is and obstructions Cancelled ition and detention noff may cause floo Cancelled Cancelled	from flooding and to On Schedule from ditches and stree On Schedule ponds to contain run dding.	Delayed X Delayed X Delayed X Delayed X Delayed I	Deferred Deferred development or Deferred Deferred
4.8 Quin 4.9 Quin expansio	completed	co protect property Cancelled is and obstructions Cancelled ition and detention noff may cause floo Cancelled Cancelled	from flooding and to On Schedule from ditches and stree On Schedule ponds to contain run dding. On Schedule	Delayed X Delayed X Delayed X Delayed X Delayed I	Deferred Deferred development or Deferred Deferred
4.8 Quin 4.9 Quin expansio 4.10 Qui	completed	co protect property Cancelled is and obstructions Cancelled ition and detention noff may cause floo Cancelled ition to protect critical Cancelled idemolish properties	from flooding and to On Schedule from ditches and stree On Schedule ponds to contain run oding. On Schedule ical infrastructure and On Schedule On Schedule	Delayed * Delayed * Delayed * Delayed * Delayed Delayed	Deferred Deferred development or Deferred Deferred Deferred Deferred Deferred

4.12 Quincy will create vege excess runoff until it drains			al habitat in low-l	ying areas to hold
Completed □	Cancelled □	On Schedule \square	Delayed X	Deferred □
4.13 Quincy will study the li	kelihood and poten	tial impact of dam fail	lure that may imp	pact the village.
Completed	Cancelled □	On Schedule	Delayed *	Deferred □
4.14 Quincy will properly mastructural failure and flooding			eservoirs to lesser	n the likelihood of
Completed □	Cancelled □	On Schedule	Delayed *	Deferred □
4.15 Quincy will support imprepair of shoulders and berroadways from storm and flooding and drainage.	ms, increase in culve	ert size, maintenance	of bridge slopes a	and protection of
Completed □	Cancelled □	On Schedule	Delayed *	Deferred □
4.16 Quincy will support eff install tile control structures	•	The second secon	The second secon	conservation tillage,
Completed □	Cancelled □	On Schedule	Delayed *	Deferred □
GOAL 5: QUINCY WILL ENGA			RVE AND PROTEC	T NATURAL
5.1 Quincy will protect road away foundations or abutm				aged berms, washed
Completed	Cancelled	On Schedule X	Delayed □	Deferred □
5.2 Quincy will protect water cover plants, vegetation, gra		· · · · · · · · · · · · · · · · · · ·		nd damage through
Completed	Cancelled □	On Schedule	Delayed X	Deferred □
5.3 Quincy will establish cordrought or contaminated w		res to be used during v	water emergencie	es or shortages due to
Completed □	Cancelled	On Schedule X	Delayed □	Deferred □
GOAL 6: QUINCY WILL ENGA DISASTER INFORMATION TO COUNTY.				
6.1 Quincy will educate the available services, vulnerable variety of means to include	e populations and a	available assistance ar	nd other emergen	cy procedures using a
Completed □	Cancelled □	On Schedule	Delayed *	Deferred □
6.2 Quincy will develop a morders, warnings and notific				rotective action

Completed □	Cancelled □	On Schedule X	Delayed □	Deferred □
6.3 Quincy will develop inte community partners during	•	ication plans to coord	inate life-saving e	efforts between all
Completed □	Cancelled	On Schedule	Delayed X	Deferred □
6.4 Quincy will improve pardisaster calls in a rapid and necessary, as assistance to r	effective way, as we	ell as to facilitate the i		
Completed	Cancelled □	On Schedule	Delayed *	Deferred □
6.5 Quincy will improve GIS customizations capability of				•
Completed □	Cancelled	On Schedule	Delayed *	Deferred □
6.6 Quincy will work to deve efforts to create whole com				_
Completed □	Cancelled □	On Schedule	Delayed X	Deferred □
6.7 Quincy will develop, util and direct contact with residual				nedia, social media,
Completed □	Cancelled	On Schedule X	Delayed □	Deferred □
Table 3-8: V	'illage of Rushsylv	vania 2017 Mitigatio	on Goals and Str	ategies
Table 3-8: V GOAL 1: RUSHSYLVANIA WI SEVERE WINDSTORMS, INC	ILL EMPLOY MITIGA	ATION ACTIONS TO RE	DUCE DAMAGES	
GOAL 1: RUSHSYLVANIA WI SEVERE WINDSTORMS, INC 1.1 Rushsylvania will advoca	ILL EMPLOY MITIGA LUDING STRAIGHT	ATION ACTIONS TO RE- LINE WINDS AND TO	EDUCE DAMAGES RNADOES	INCURRED FROM
GOAL 1: RUSHSYLVANIA WI SEVERE WINDSTORMS, INC	ILL EMPLOY MITIGA LUDING STRAIGHT	ATION ACTIONS TO RE- LINE WINDS AND TO	EDUCE DAMAGES RNADOES	INCURRED FROM
GOAL 1: RUSHSYLVANIA WISEVERE WINDSTORMS, INC 1.1 Rushsylvania will advoca damages caused by high wire Completed 1.2 Rushsylvania will advoca	ILL EMPLOY MITIGATED IN THE AIR SUPPORT THE AI	ATION ACTIONS TO RE-LINE WINDS AND TO proper maintenance of the Constitution of the Co	EDUCE DAMAGES RNADOES of trees and vege Delayed	INCURRED FROM tation to reduce Deferred *
GOAL 1: RUSHSYLVANIA WISEVERE WINDSTORMS, INC 1.1 Rushsylvania will advoca damages caused by high wir Completed	ILL EMPLOY MITIGATED IN THE AIR SUPPORT THE AI	ATION ACTIONS TO RE-LINE WINDS AND TO proper maintenance of the Constitution of the Co	EDUCE DAMAGES RNADOES of trees and vege Delayed	INCURRED FROM tation to reduce Deferred *
GOAL 1: RUSHSYLVANIA WISEVERE WINDSTORMS, INC 1.1 Rushsylvania will advoca damages caused by high wir Completed 1.2 Rushsylvania will advoca neighborhoods without base	ILL EMPLOY MITIGATE AND STRAIGHT. Interest and support the ends or tornadoes. Cancelled Interest and support the ements or shelters. Cancelled ILL ENGAGE IN MIT	ATION ACTIONS TO RE-LINE WINDS AND TO proper maintenance of the creation of safe room. On Schedule On Schedule IGATION ACTIONS TO	Delayed Delayed Delayed Delayed Delayed Delayed REDUCE DAMAGES	TINCURRED FROM tation to reduce Deferred nulti-family homes and Deferred □ GES FROM ALL SEVERE
GOAL 1: RUSHSYLVANIA WISEVERE WINDSTORMS, INC 1.1 Rushsylvania will advoca damages caused by high wir Completed 1.2 Rushsylvania will advoca neighborhoods without base Completed GOAL 2: RUSHSYLVANIA WI	ILL EMPLOY MITIGATE AND ITIES IN MITIGATE AND ITIES IN MITIGATE IN	ATION ACTIONS TO RELINE WINDS AND TO proper maintenance of the creation of safe room. On Schedule On Schedule IGATION ACTIONS TO BLIZZARDS, AND OTH all relevant disaster had ons and available assister.	Delayed Del	TINCURRED FROM tation to reduce Deferred nulti-family homes and Deferred □ GES FROM ALL SEVERE ASTERS AND CAUSES abilities, protective emergency procedures
GOAL 1: RUSHSYLVANIA WISEVERE WINDSTORMS, INC. 1.1 Rushsylvania will advocated damages caused by high wire Completed 1 1.2 Rushsylvania will advocate neighborhoods without base Completed 1 GOAL 2: RUSHSYLVANIA WISTORMS, INCLUDING THUNCE THUNCE 1 2.1 Rushsylvania will educate actions, available services, we using a variety of means to it resources. Completed 1 2.2 Rushsylvania will maintage.	ILL EMPLOY MITIGATE A te and support the ends or tornadoes. Cancelled A te for and support the ements or shelters. Cancelled ILL ENGAGE IN MITITE IDERSTORMS AND ENGAGE IN MITITE Cancelled population of the public about a culnerable population of the public and specific and specific and improve har	ATION ACTIONS TO RE-LINE WINDS AND TO proper maintenance of the creation of safe rooms and available assistance and available assistance media, digital redware, software, and	Delayed REDUCE DAMAGES Delayed Delayed REDUCE DAMAGE REDUCE D	TINCURRED FROM tation to reduce Deferred nulti-family homes and Deferred □ GES FROM ALL SEVERE ASTERS AND CAUSES abilities, protective emergency procedures er appropriate local Deferred □
GOAL 1: RUSHSYLVANIA WISEVERE WINDSTORMS, INC. 1.1 Rushsylvania will advoca damages caused by high win Completed 1.2 Rushsylvania will advoca neighborhoods without base Completed GOAL 2: RUSHSYLVANIA WISTORMS, INCLUDING THUN 2.1 Rushsylvania will educat actions, available services, wusing a variety of means to it resources. Completed Completed	ILL EMPLOY MITIGATE And support the ends or tornadoes. Cancelled Ante for and support tements or shelters. Cancelled ILL ENGAGE IN MITITE ENGAGE	ATION ACTIONS TO RE-LINE WINDS AND TO proper maintenance of the creation of safe rooms and available assistance and available assistance media, digital redware, software, and ns. On Schedule	Delayed REDUCE DAMAGES Delayed Delayed REDUCE DAMAGE REDUCE D	TINCURRED FROM tation to reduce Deferred ★ nulti-family homes and Deferred □ GES FROM ALL SEVERE ASTERS AND CAUSES abilities, protective emergency procedures er appropriate local Deferred □ at (outdoor warning Deferred □

Completed □	Cancelled	On Schedule X	Delayed □	Deferred □
GOAL 3: RUSHSYLVANIA WI FLOODING	LL ENGAGE IN MITI	GATION ACTIONS TH	AT REDUCE DAM	AGES FROM
3.1 Rushsylvania will conside		The state of the s		ailable to the
community and to prevent for Completed □	uture damages thro Cancelled ¥	ough floodplain regula On Schedule	ation. Delayed	Deferred □
3.2 Rushsylvania will advoca			•	Deletted [
Completed □	Cancelled	On Schedule X	Delayed □	Deferred □
3.3 Rushsylvania will mainta				ner land use
regulations that encourage s Completed **	Cancelled			Deferred □
3.4 Rushsylvania will use fina			•	
Completed *	Cancelled □	On Schedule	Delayed □	Deferred □
3.5 Rushsylvania will advoca			spillways to lesser	the likelihood of
structural failure and floodin			Deleved 🗆	Deferred 🗆
Completed ☐ 3.6 Rushsylvania will maintal	Cancelled in replace or add s	On Schedule *	Delayed vater numning sta	Deferred tions water numps
and other devices or structu				
Completed ≭	Cancelled □		Delayed □	Deferred □
3.7 Rushsylvania will remove				
Completed □	Cancelled		Delayed □	Deferred X
3.8 Rushsylvania will require			unoff water in nev	v development or
expansion where surface rur Completed □	Cancelled X	On Schedule	Delayed □	Deferred □
3.9 Rushsylvania will utilize e				
Completed *	Cancelled	On Schedule	Delayed □	Deferred □
3.10 Rushsylvania will acquir	e and demolish pro	perties that flood rep	peatedly to reloca	te them out of flood
risk areas and restore prope				
Completed	Cancelled *	On Schedule	Delayed	Deferred □
3.11 Rushsylvania will create hold excess runoff until it dra			natural habitat in	lowOlying areas to
Completed *	Cancelled	On Schedule 🗆	Delayed □	Deferred □
GOAL 4: RUSHSYLVANIA WI				
OUTAGES AND RESOURCE S			REDUCE DAIVIAG	ies due 10 officity
4.1 Rushsylvania will encour	age the hardening o	of utilities through da	mage resistant ins	stallation below grade.
improvements to supply line				
Completed □	Cancelled	On Schedule	Delayed □	Deferred ≭
4.2 Rushsylvania will establis				•
and will identify and facilitat				
Completed	Cancelled	On Schedule	Delayed X	Deferred □
GOAL 5: RUSHSYLVANIA WI AND USE DISASTER INFORM IN LOGAN COUNTY				

5.1 Rushsylvania will educate	e the public about a	all relevant disaster ha	azards and vulner	abilities, protective
actions, available services, v	ulnerable population	ons and available assis	stance and other	emergency procedures
using a variety of means to i	nclude print and sp	oken media, digital re	esources, and oth	er appropriate
resources.				
Completed	Cancelled	On Schedule	Delayed *	Deferred □
5.2 Rushsylvania will develop				nities of protective
actions orders, warnings and				
Completed	Cancelled	On Schedule	Delayed ≭	Deferred □
5.3 Rushsylvania will develop	•	· · · · · · · · · · · · · · · · · · ·	coordinate life-sa	aving efforts between
all community partners during	Cancelled		Deleved W	Defermed
Completed 5. 4. December the content of the conte		On Schedule	Delayed X	Deferred
5.4 Rushsylvania will develop				hass media, social
media, and direct contact wi Completed □	Cancelled	On Schedule	Delayed	Deferred *
Completed 🗆	Cancelled 🗆	On Schedule 🗆	Delayed 🗆	Deferred A
GOAL 6: RUSHSYLVANIA WI			PRESERVE AND	PROTECT NATURAL
RESOURCES SUCH AS TOPSO	OIL AND WATERWA	AYS FROM EROSION		
6.1 Rushsylvania will protect	waterways by redu	ucing slope erosion, la	and subsidence ar	nd wind damage
through cover plants, vegeta	ation, grassy watery	ways, filter strips, buff	ers and such.	
Completed □	Cancelled □	On Schedule X	Delayed □	Deferred □
6.2 Rushsylvania will establis	sh conservation pro	cedures to be used d	uring water emer	gencies or shortages
due to drought or contamina	•			
Completed □	Cancelled	On Schedule X	Delayed □	Deferred □
•			•	
Table 3-9: Vi	illage of Russells I	Point 2017 Mitigation	on Goals and St	rategies
GOAL 1: RUSSELLS POINT W				
GOAL 1: RUSSELLS POINT W FLOODING. 1.1 Russells Point will mainta	ILL ENGAGE IN MIT	rigation actions to	HAT REDUCE DAN	MAGES FROM os and sustain
GOAL 1: RUSSELLS POINT W FLOODING.	ILL ENGAGE IN MIT	rigation actions to	HAT REDUCE DAN	MAGES FROM os and sustain
GOAL 1: RUSSELLS POINT W FLOODING. 1.1 Russells Point will mainta	TILL ENGAGE IN MIT ain NFIP participation	rigation actions to	HAT REDUCE DAN	MAGES FROM os and sustain
GOAL 1: RUSSELLS POINT W FLOODING. 1.1 Russells Point will mainta engagement to ensure accur	TILL ENGAGE IN MIT ain NFIP participation	rigation actions to	HAT REDUCE DAN	MAGES FROM os and sustain
GOAL 1: RUSSELLS POINT WE FLOODING. 1.1 Russells Point will maintain engagement to ensure accurate through the appeal process. Completed ** 1.2 Russells Point will advocate the second point will be second poin	ain NFIP participation racy of the maps, in Cancelled ate and support floor	on through regular revolutions advocacy for On Schedule od insurance where re	view of flood map adoption of curre Delayed equired.	os and sustain ent maps as amended Deferred
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GOAL 1: RUSSELLS POINT WE FLOODING. 1.1 Russells Point will maintagengagement to ensure accurate through the appeal process. Completed ** 1.2 Russells Point will advocate Completed ** 1.3 Russells Point will maintagen	ain NFIP participation racy of the maps, in Cancelled ate and support flow Cancelled Cancelled ate and support flow Cancelled ain existing building	on through regular revocations advocacy for On Schedule od insurance where reconstructions advocacy for od control of the c	view of flood map adoption of curre Delayed equired. Delayed Delayed	Deferred Deferred
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GOAL 1: RUSSELLS POINT WE FLOODING. 1.1 Russells Point will maintatengagement to ensure accurate through the appeal process. Completed ** 1.2 Russells Point will advocate Completed ** 1.3 Russells Point will maintate that encourage sustainable of Completed **	ain NFIP participation are and support flow ate and support flow ate and support flow ain existing building disaster-resistant stancelled	on through regular revolutions of through regular revolutions advocacy for the cluding codes, zoning regular ructures in all areas. On Schedule	view of flood map adoption of curre Delayed equired. Delayed tions, and other I	Deferred Deferred Deferred Deferred Deferred Deferred D
GOAL 1: RUSSELLS POINT WEFLOODING. 1.1 Russells Point will maintagengagement to ensure accurate through the appeal process. Completed ** 1.2 Russells Point will advocate Completed ** 1.3 Russells Point will maintage that encourage sustainable of Completed ** 1.4 Russells Point will use fire	ain NFIP participation are and support flow and existing building disaster-resistant stancial aid for flood Cancelled Cancelle	on through regular revolutions advocacy for the one of the original of the ori	view of flood map adoption of curre Delayed equired. Delayed tions, and other I Delayed rants, fees, and or Delayed Delayed	Deferred and use regulations Deferred ther special programs. Deferred De
GOAL 1: RUSSELLS POINT WE FLOODING. 1.1 Russells Point will maintage engagement to ensure accurate through the appeal process. Completed ** 1.2 Russells Point will advocate Completed ** 1.3 Russells Point will maintage that encourage sustainable of Completed ** 1.4 Russells Point will use fire Completed **	ain NFIP participation racy of the maps, in ate and support flow ate and support flow ain existing building disaster-resistant stancial aid for flood Cancelled ate for removal of contact and ate for removal of contact and are for removal of contact and conta	on through regular revolutions advocacy for the one of the original of the ori	view of flood map adoption of curre Delayed equired. Delayed tions, and other I Delayed rants, fees, and or Delayed Delayed	Deferred and use regulations Deferred ther special programs. Deferred De
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GOAL 1: RUSSELLS POINT WEFLOODING. 1.1 Russells Point will maintagengagement to ensure accurate through the appeal process. Completed ** 1.2 Russells Point will advocate Completed ** 1.3 Russells Point will maintage that encourage sustainable of Completed ** 1.4 Russells Point will use fire Completed ** 1.5 Russells Point will advocate and to improve river mainters.	ain NFIP participation are and support flow and existing building disaster-resistant stancial aid for flood Cancelled at a for removal of concelled at a for removal of concelled and and a for removal of concelled and a for removal of concelled and a for concelled and a for removal of concelled and a for removal of concelled and a for concelled	on through regular revolutions on through regular revolutions advocacy for the cluding advocacy	view of flood map adoption of curre Delayed equired. Delayed tions, and other I Delayed rants, fees, and or Delayed trees, and excess Delayed Delaye	Deferred and use regulations Deferred ther special programs. Deferred sediment from rivers
GOAL 1: RUSSELLS POINT WEFLOODING. 1.1 Russells Point will maintage engagement to ensure accurate through the appeal process. Completed ** 1.2 Russells Point will advocate Completed ** 1.3 Russells Point will maintage that encourage sustainable of Completed ** 1.4 Russells Point will use fin Completed ** 1.5 Russells Point will advocate and to improve river mainted Completed **	ain NFIP participation aracy of the maps, in ate and support flow ate and support flow ain existing building disaster-resistant stocancelled and and aid for flood and ate for removal of contact. Cancelled to the contact and the likelihood and participation and participations.	on through regular revolutions on through regular revolutions advocacy for the cluding advocacy	view of flood map adoption of curre Delayed equired. Delayed tions, and other I Delayed rants, fees, and or Delayed trees, and excess Delayed Delaye	Deferred and use regulations Deferred ther special programs. Deferred sediment from rivers
GOAL 1: RUSSELLS POINT WEFLOODING. 1.1 Russells Point will maintage engagement to ensure accurate through the appeal process. Completed ** 1.2 Russells Point will advocate that encourage sustainable of Completed ** 1.4 Russells Point will use fire Completed ** 1.5 Russells Point will advocate that the improve river mainted to improve river mainted Completed ** 1.6 Russells Point will study to the study of the st	ain NFIP participation aracy of the maps, in ate and support flow ate and support flow ain existing building disaster-resistant stocancelled and and aid for flood and ate for removal of contact. Cancelled to the contact and the likelihood and participation and participations.	on through regular revolutions on through regular revolutions advocacy for the cluding advocacy	view of flood map adoption of curre Delayed equired. Delayed tions, and other I Delayed rants, fees, and or Delayed trees, and excess Delayed Delaye	Deferred and use regulations Deferred ther special programs. Deferred sediment from rivers
GOAL 1: RUSSELLS POINT WEFLOODING. 1.1 Russells Point will maintagengagement to ensure accurate through the appeal process. Completed ** 1.2 Russells Point will advocate Completed ** 1.3 Russells Point will maintage that encourage sustainable of Completed ** 1.4 Russells Point will use fire Completed ** 1.5 Russells Point will advocate and to improve river mainted Completed ** 1.6 Russells Point will study in jurisdiction if it were to occur	ain NFIP participation racy of the maps, in Cancelled Ca	on through regular revocations advocacy for the coluding advocacy for the coluding advocacy for the coluding advocacy for the column of the co	view of flood map adoption of curre Delayed Dequired. Delayed	AAGES FROM Os and sustain ent maps as amended Deferred and use regulations Deferred ther special programs. Deferred sediment from rivers Deferred any impact the Deferred Deferred
GOAL 1: RUSSELLS POINT WEFLOODING. 1.1 Russells Point will maintage engagement to ensure accurate through the appeal process. Completed ** 1.2 Russells Point will advocate Completed ** 1.3 Russells Point will maintage that encourage sustainable of Completed ** 1.4 Russells Point will use fire Completed ** 1.5 Russells Point will advocate and to improve river mainted Completed ** 1.6 Russells Point will study jurisdiction if it were to occur Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed	ain NFIP participation racy of the maps, in Cancelled Ca	on through regular revocations advocacy for the coluding advocacy for the coluding advocacy for the coluding advocacy for the column of the co	view of flood map adoption of curre Delayed Dequired. Delayed	AAGES FROM Os and sustain ent maps as amended Deferred and use regulations Deferred ther special programs. Deferred sediment from rivers Deferred any impact the Deferred Deferred

1.8 Russells Point will remov	e debris and obstr	uctions from ditches a	ind streams.	
Completed X		On Schedule		Deferred □
1.9 Russells Point will require			•	
expansion where surface rur				, , , , , , , , , , , , , , , , , , ,
Completed ≭	Cancelled □	On Schedule	Delayed □	Deferred □
1.10 Russells Point will utilize	e elevation to prot	ect critical infrastructu	ure and property	from flooding.
Completed X	Cancelled	On Schedule	Delayed □	Deferred □
1.11 Russells Point will utilize	e channel modifica	tion and diversion to	eliminate areas w	here flooding is highly
destructive and no other opt	ion is feasible to d	ecrease the flood dan	nage.	
Completed □	Cancelled	On Schedule	Delayed □	Deferred X
1.12 Russells Point will partic	cipate in storm wat	er vulnerability study	to improve wast	ewater systems and
field tiling practices to limit of	damages from rund	off water.		
Completed X	Cancelled	On Schedule	Delayed □	Deferred □
1.13 Russells Point will prope	erly maintain dams	and spillways to lesse	en the likelihood	of failure and flooding
due to poor maintenance.				
Completed □	Cancelled	On Schedule	Delayed □	Deferred X
1.14 Russells Point will main	tain, replace, or ad	d storm sewers, waste	ewater pumping	stations, water pumps,
and other devices or structure	res to protect prop	erty from flooding an	d to lessen flash f	flooding.
Completed X	Cancelled	On Schedule	Delayed □	Deferred □
1.15 Russells Point will suppo	ort efforts to repla	ce deteriorated tiles, p	olant cover crops,	, utilize conservation
tillage, install tile control stru	uctures where feas	ible and use filter strip	ps for slope prote	ection.
Completed X	Cancelled	On Schedule	Delayed □	Deferred □
GOAL 2: RUSSELLS POINT W SEVERE WINDSTORMS, INCL				S INCURRED FROM
2.1 Russells Point will advoca	ate and support, ar	nd implement on villag	ge-owned proper	ty, the proper
maintenance of trees and ve				
Completed *		On Schedule		Deferred □
2.2 Russells Point will advoca			•	
single and multi-family home				ibic locations, meraamig
Completed *	Cancelled	On Schedule	Delayed □	Deferred □
2.3 Russells Point will clear a			•	
treatment plants, sewers, tra				
usable as soon as possible af		s, and other initiastrat	cture, and to keep	o rodaways open and
Completed *	Cancelled	On Schedule	Delayed □	Deferred □
•			•	
GOAL 3: RUSSELLS POINT W			O REDUCE DAMA	GES DUE TO UTILITY
OUTAGES AND RESOURCE S	HORTAGES FROM	ALL CAUSES.		
3.1 Russells Point will establi	sh redundant sunr	liers of heating fuels	notable water a	nd other utility needs
and will identify and facilitat				
Completed *	Cancelled	On Schedule	Delayed □	Deferred □
3.2 Russells Point will encour			•	
grade, improvements to sup	-		_	
Completed	Cancelled	On Schedule	Delayed □	Deferred *
3.3 Russells Point will establi			•	
due to drought or contamina		occurred to be used t	water eine	Serioles of shortages
Completed	Cancelled	On Schedule	Delaved □	Deferred □

GOAL 4: RUSSELLS POINT W STORMS, INCLUDING THUNK				
4.1 Russells Point will improve road conditions.	e capacity to rapid	ly place temporary wa	arning signs that i	ndicate dangerous
Completed X	Cancelled □	On Schedule	Delayed □	Deferred □
4.2 Russells Point will educat calling, weather radios, warr storms or emergency incider	ning sirens, and digints.	tal resources that info	orm them of incor	ming life-threatening
Completed X	Cancelled	On Schedule	Delayed	Deferred
4.3 Russells Point will mainta sirens) used to deliver warni Completed □			Delayed	nt (outdoor warning Deferred *
4.4 Russells Point will identif			•	
Completed *	Cancelled	On Schedule	Delayed □	Deferred □
GOAL 5: RUSSELLS POINT W AND USE DISASTER INFORM IN LOGAN COUNTY.				
5.1 Russells Point will educat actions, available services, vo	•			The state of the s
using a variety of means to it resources.				_
Completed *	Cancelled	On Schedule	Delayed □	Deferred
5.2 Russells Point will develo orders, warnings and notification	ations, and other cr	itical lifesaving inform	nation.	_
Completed X	Cancelled	On Schedule	Delayed 🗆	Deferred
5.3 Russells Point will develo all community partner during	g severe incidents.			
Completed X	Cancelled		Delayed	Deferred
5.4 Russells Point will develo media, and direct contact wi	th residents before	, during and after inci	dents.	
Completed X	Cancelled	On Schedule	Delayed	Deferred
GOAL 6: RUSSELLS POINT W RESOURCES SUCH AS TOPSO			PRESERVE AND	PROTECT NATURAL
6.1 Russells Point will protect washed away foundations or vulnerable soils or slopes.	abutments, or oth	er deterioration due t	to extreme runoff	or specific highly
Completed X	Cancelled	On Schedule	Delayed □	Deferred □
6.2 Russells Point will protecthrough cover plants, vegeta	tion, grassy waterv	vays, filter strips, buff	ers, and other en	gineered options.
Completed X	Cancelled	On Schedule	Delayed □	Deferred

Table 3-10: Village of Valley Hi 2017 Mitigation Goals and Strategies

GOAL 1: VALLEY HI WILL EMPLY MITIGATION ACTIONS THAT REDUCE DAMAGES FROM SEVERE WIND STORMS THAT INCLUDE STRAIGHT-LINE WINDS AND TORNADOES.

1.1 Valley Hi will advocate prespecially where trees are in				s caused by wind,
Completed	Cancelled	On Schedule *	Delayed	Deferred □
1.2 Valley Hi will support the basements or shelters.	construction of sa	fe rooms for single an	d multi-family ho	omes without
Completed □	Cancelled	On Schedule	Delayed □	Deferred ≭
GOAL 2: VALLEY HI WILL EM WITH AN EMPHASIS UPON I			ES FROM SEVERE	WINTER STORMS,
2.1 Valley Hi will clear roads possible after storms.				
Completed ☐ 2.2 Valley Hi will study the p	Cancelled □ re-positioning of en	On Schedule * mergency apparatus, r	Delayed ore-deployment of	Deferred □ of necessary resources.
and the stockpiling of critica Completed □				
2.3 Valley Hi will work to ide during a severe storm that is Completed □				
2.4 Valley Hi will work to ide community's protection and	ntify and acquire pe	ermanently installed o	or portable gener	
Completed □	Cancelled	On Schedule	Delayed □	Deferred ≭
GOAL 3: VALLEY HI WILL EN	GAGE IN MITIGATION		JCE THE EROSION	N OF TOPSOIL AND
ROADS DUE TO FLOODING,	•			
ROADS DUE TO FLOODING, 3.1 Valley Hi will protect its r integrity, damaged berms, w runoff and vulnerable soil ty	roadways and stree vashed away founda pes as well as inclin	ets that are extremely ation or abutments, one.	vulnerable to cor r other deteriora	•
ROADS DUE TO FLOODING, 3.1 Valley Hi will protect its r integrity, damaged berms, w	roadways and stree vashed away foundate pes as well as inclin Cancelled	ets that are extremely ation or abutments, one. On Schedule *	vulnerable to cor r other deterioral	Deferred □
ROADS DUE TO FLOODING, 3.1 Valley Hi will protect its rintegrity, damaged berms, wrunoff and vulnerable soil ty Completed GOAL 4: VALLEY HI WILL EM	roadways and stree vashed away foundate pes as well as inclining Cancelled PLOY MITIGATION destablish alternated	ets that are extremely ation or abutments, one. On Schedule ACTION THAT REDUCTED The heating fuels, potable	vulnerable to cor r other deterioral Delayed CE DAMAGES FRO le water suppliers	Deferred DM UTILITY OUTAGES s, alternate power
ROADS DUE TO FLOODING, 3.1 Valley Hi will protect its rintegrity, damaged berms, wrunoff and vulnerable soil ty Completed GOAL 4: VALLEY HI WILL EM AND SUPPLY SHORTAGES. 4.1 Valley Hi will identify and sources, and other critical su	roadways and stree vashed away founds pes as well as inclin Cancelled PLOY MITIGATION destablish alternate applies necessary for Cancelled MPLETE MITIGATION A DISASTER INCIDE	ets that are extremely ation or abutments, one. On Schedule * ACTION THAT REDUCT The heating fuels, potable or sustaining life, busing the control of the	vulnerable to corr other deterioral Delayed CE DAMAGES FRO le water suppliers ness, and safety d Delayed BLE RAPID AND E	Deferred DM UTILITY OUTAGES s, alternate power luring power outages. Deferred EFFECTIVE
ROADS DUE TO FLOODING, 3.1 Valley Hi will protect its rintegrity, damaged berms, wrunoff and vulnerable soil ty Completed GOAL 4: VALLEY HI WILL EM AND SUPPLY SHORTAGES. 4.1 Valley Hi will identify and sources, and other critical succompleted GOAL 5: VALLEY HI WILL CO COMMUNICATION DURING TAKE PROTECTIVE ACTIONS 5.1 Valley Hi will develop a maction orders, warnings and	roadways and stree vashed away founda pes as well as inclin Cancelled PLOY MITIGATION destablish alternate upplies necessary fo Cancelled MPLETE MITIGATIO A DISASTER INCIDE AND TO FOLLOW Conulti-part communi notifications, and o	ets that are extremely ation or abutments, or ne. On Schedule ACTION THAT REDUCE The heating fuels, potable or sustaining life, busing the control of the control of the control of the control of the critical lifesaving of the control of the co	vulnerable to corr other deterioral Delayed CE DAMAGES FRO le water suppliers ness, and safety d Delayed BLE RAPID AND E OF DIRECTING T DURES. fy community me	Deferred Deferred DM UTILITY OUTAGES S, alternate power luring power outages. Deferred EFFECTIVE THE POPULATION TO
ROADS DUE TO FLOODING, 3.1 Valley Hi will protect its rintegrity, damaged berms, worunoff and vulnerable soil ty Completed GOAL 4: VALLEY HI WILL EMAND SUPPLY SHORTAGES. 4.1 Valley Hi will identify and sources, and other critical succompleted GOAL 5: VALLEY HI WILL CO COMMUNICATION DURING TAKE PROTECTIVE ACTIONS 5.1 Valley Hi will develop a maction orders, warnings and Completed Completed Completed	roadways and stree vashed away founds pes as well as inclin Cancelled PLOY MITIGATION destablish alternate applies necessary for Cancelled MPLETE MITIGATION MPLETE MITIGATION A DISASTER INCIDE AND TO FOLLOW Conculti-part communinotifications, and of Cancelled Cancelled	ets that are extremely ation or abutments, or ne. On Schedule * ACTION THAT REDUCE The heating fuels, potable or sustaining life, busing the control of the purchase of the purchase of the purchase of the critical lifesaving on Schedule On Schedule On Schedule On Schedule On Schedule	vulnerable to corr other deterioral Delayed CE DAMAGES FRO le water suppliers ness, and safety d Delayed BLE RAPID AND E OF DIRECTING T DURES. fy community me g information. Delayed Delay	Deferred Deferred DM UTILITY OUTAGES S, alternate power luring power outages. Deferred EFFECTIVE THE POPULATION TO Ember of protective Deferred Deferred Deferred Deferred
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5.4 Valley Hi will work to improve parcel location mapping to facilitate locating and responding to					
emergency and disaster calls in a rapid and effective way, as well as to facilitate the use of mutual aid					
resources, when necessary, as		the state of the s			
•	Cancelled	On Schedule	Delayed □	Deferred ≭	
5.5 Valley Hi will work to educ	· · · · · · · · · · · · · · · · · · ·			· ·	
services, vulnerable population			procedure using	mass and social	
media, printed information, a	and other options.				
Completed □	Cancelled	On Schedule	Delayed □	Deferred X	
GOAL 6: VALLEY HI WILL CON	ADLICT MITIGATIO	N ACTIONS TO REDU	CF THF VULNERA	BILITY OF ITS	
POPULATION TO DAMAGES A					
6.1 Valley Hi will educate the			· · · · · · · · · · · · · · · · · · ·		
weather radios, warning siren	is, and digital reso	urces that inform the	m on incoming lif	e-threatening storms	
or emergency incidents.		о от 11. П			
•	Cancelled	On Schedule	Delayed □	Deferred *	
6.2 Valley Hi will identify and	remove dead or d	iseased trees along w	aterways, roadwa	ays and other public	
property.	· "		5.1 4.1		
•	Cancelled	On Schedule X	Delayed	Deferred □	
6.3 Valley Hi will maintain and		re, software, and capi	tal equipment (o	utdoor warning sirens)	
used to deliver warnings and				- 4	
Completed	Cancelled	On Schedule	Delayed □	Deferred *	
GOAL 7: VALLEY HI WILL WO	RK TO PREVENT	DAMAGE AND CASUA	LTY DUE TO FLAS	H FLOODING.	
7.1 Valley Hi will consider join	ning NFIP as a way	to make more flood p	protection availab	le to the community	
and to prevent future damage		· · · · · · · · · · · · · · · · · · ·			
•	Cancelled	On Schedule	Delayed □	Deferred X	
7.2 Valley Hi will advocate and			•		
*	Cancelled	On Schedule	Delayed □	Deferred ≭	
7.3 Valley Hi will maintain exis			•	and use regulations	
that encourage sustainable di					
	Cancelled □	On Schedule	Delayed □	Deferred X	
7.4 Valley Hi will use financial	aid for flood mitig	gation through grants,	•	special programs.	
	Cancelled	On Schedule *	Delayed □	Deferred □	
7.5 Valley Hi will implement in	mprovements to d		tenance to reduc	e sedimentation and	
erosion.					
Completed □	Cancelled □	On Schedule X	Delayed □	Deferred □	
7.6 Valley Hi will make improv			•		
of shoulders and berms, incre					
from storms and flood damag					
_	Cancelled	On Schedule *	Delayed □	Deferred □	
7.7 Valley Hi will remove debi	ris and obstruction		•		
1	Cancelled □	On Schedule X	Delayed □	Deferred □	
7.8 Valley Hi will participate in		y of storm water vuln			
systems and field tiling praction					
	Cancelled □	On Schedule	Delayed □	Deferred X	
7.9 Valley Hi will require the i	nstallation of rete	ntion or detention po	•	noff that might	
become the cause of flooding				_	
		On Schedule	Dolayed 🗆	Deferred ¥	

7.10 Valley Hi will utilize ele	vation to protect cr	itical infrastructure ar	nd property from	flooding.
Completed □	Cancelled	On Schedule	Delayed □	Deferred ≭
7.11 Valley Hi will maintain,	replace, or add stor	rm sewers, wastewat	er pumping statio	ns, water pumps, and
other devices or structures t	o protect property	from flooding and to	lessen flash flood	ing.
Completed □	Cancelled □	On Schedule	Delayed □	Deferred ≭
Table 3-11: \	Village of West Lil	perty 2017 Mitigation	on Goals and St	rategies
GOAL 1: WEST LIBERTY WIL	L EMPLOY MITIGAT	ION ACTIONS TO REI	DUCE DAMAGES I	NCURRED FROM
SEVERE WINDSTORMS, INC	LUDING STRAIGHT-	LINE WINDS AND TO	RNADOES	
·				and the second second
1.1 West Liberty will advoca				lages caused by wind,
especially where trees are in				Defermed 🗆
Completed 1.2 West Liberty will sleave	Cancelled	On Schedule X	Delayed	Deferred footbloom out of outbourte
1.2 West Liberty will clear ar	eas of crop debris a	arter severe wind and	i flooding to keep	Todder out of culverts
and sewer systems. Completed □	Cancelled □	On Schedule X	Delayed □	Deferred □
1.3 West Liberty will suppor			•	
basements or shelters.	t the construction c	or sale rooms for singl	ie and multi-lamii	y nomes without
Completed	Cancelled □	On Schedule *	Delayed □	Deferred □
completed 🖂	Cancelled 🗆	On Schedule *	Delayeu 🗆	Deletted 🗆
GOAL 2: WEST LIBERTY WIL				
USE DISASTER INFORMATION	ON TO SAVE LIVES A	ND PRESERVE PROPE	ERTY FOR ALL HA	ZARDS PRESENT IN
LOGAN COUNTY.				
2.1 West Liberty will develop	o a multi-part comn	nunication system to	notify all resident	of protective action
orders, warnings and notific	•			
Completed X	Cancelled □	On Schedule	Delayed □	Deferred □
2.2 West Liberty will develop	o interoperable con	nmunication plans to	•	ving efforts between
all community partners duri	•	· ·		
Completed		On Schedule X	Delayed □	Deferred □
2.3 West Liberty will develop	o, utilize and mainta	ain a communication	plan to include m	ass media, social
media, and direct contact w	ith residents before	, during, and after inc	cidents.	
Completed □	Cancelled	On Schedule X	Delayed □	Deferred □
2.4 West Liberty will improv	e parcel location m	apping to facilitate lo	cating and respon	iding to emergency
and disaster calls in a rapid a	and effective way, a	s well as to facilitate	the use of mutual	aid resources, when
necessary, as assistance to r	esponders and disp	atchers.		
Completed X	Cancelled □	On Schedule	Delayed □	Deferred □
2.5 West Liberty will improv	e GIS mapping to in	clude infrastructure a	and utility mappin	g, and expand the
customization capability of s	oftware to produce	e data that is useful in	n community plani	ning.
Completed □	Cancelled	On Schedule X	Delayed □	Deferred □
2.6 West Liberty will work to	•		•	
efforts to create whole com	munity efforts to im	· ·	and expand disast	er resilience.
Completed	Cancelled	On Schedule X	Delayed □	Deferred □
2.7 West Liberty will educate	•		the state of the s	
services, vulnerable populat		tance, and emergenc	y procedures usin	g mass and social
media, printed information	· ·			
Completed	Cancelled	On Schedule X	Delayed	Deferred

GOAL 3: WEST LIBERTY WILL ENGAGE IN MITIGATION ACTIONS TO REDUCE DAMAGES DUE TO UTILITY OUTAGES AND RESOURCE SHORTAGES FROM ALL CAUSES.					
3.1 West Liberty will encoura improvements to supply line Completed □					
3.2 West Liberty will establis and will identify and facilitate Completed □					
GOAL 4: WEST LIBERTY WILL STORMS, INCLUDING THUNK					
4.1 West Liberty will identify Completed □	and remove dead ○ Cancelled □		ng waterways and Delayed	in the public domain. Deferred □	
4.2 West Liberty will maintai sirens) used to deliver warning	•		capital equipmen	t (outdoor warning	
Completed □	Cancelled	On Schedule X	Delayed □	Deferred □	
4.3 West Liberty will educate calling, weather radios, warn storms or emergency incider	ing sirens, and digints.	tal resources that info	orm them of incor	ming life-threatening	
Completed	Cancelled	On Schedule X	Delayed □	Deferred □	
4.4 West Liberty establish wa	•	rocedures to be imple	emented during v	vater emergencies due	
to drought or contamination					
Completed	Cancelled	On Schedule	Delayed *	Deferred □	
Completed ☐ GOAL 5: WEST LIBERTY WILL			•		
GOAL 5: WEST LIBERTY WILL 5.1 West Liberty will maintai engagement to ensure accur through the appeal process.	. ENGAGE IN MITIG n NFIP participation acy of the maps, in	ATION ACTIONS THA n through regular revi cluding advocacy for	T REDUCE DAMA ew of flood maps adoption of curre	GES FROM FLOODING and sustain local nt maps as amended	
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5.9 West Liberty will				•	imentation and
erosion.					
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5.10 West Liberty wil	II utilize elevati	on to protect critica	al infrastructure a	and property fro	m flooding.
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5.11 West Liberty wil	II create vegeta	itive buffer zones, v	vetlands, and nat	ural habitat in lo	ow-lying areas to hold
excess runoff until it	drains downstr	ream naturally.			
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5.12 West Liberty wil	II require reten	tion/detention pon	ds to contain run	off water in new	v development or
expansion where sur	face runoff ma	y cause flooding.			
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GOAL 6: WEST LIBER RESOURCES SUCH AS				SERVE AND PRO	OTECT NATURAL
6.1 West Liberty will washed away foundar vulnerable soil types.	protect roadwations or abutm	WATERWAYS FRO ay vulnerable to con nents, or other dete	M EROSION. mpromised struct rioration due to e	tural integrity, deextreme runoff o	amaged berms, or specific highly
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6.1 West Liberty will washed away founda vulnerable soil types. Completed	protect roadwations or abutm Cance	o WATERWAYS FROM you need to contents, or other determined on Science of West Mansfield	mpromised struct rioration due to enedule X 2017 Mitigation	tural integrity, detection of contents of the	amaged berms, or specific highly Deferred rategies

as amended through the appeal process. **Delayed** □ **Deferred** □ Completed Cancelled On Schedule X 1.2 West Mansfield will advocate and support flood insurance where required. Cancelled **Delayed** □ **Deferred** □ Completed On Schedule X 1.3 West Mansfield will maintain existing local building codes, zoning regulation, and other land use regulations that encourage sustainable disaster-resistant structures in all areas. **Completed** □ Cancelled On Schedule X **Delayed** □ **Deferred** 1.4 West Mansfield will use financial aid for flood mitigation through grants, fees, and other special programs. **Cancelled** □ On Schedule X **Delayed** □ **Deferred** □ Completed 1.5 West Mansfield will advocate for removal of debris, fallen diseased trees and excess sediment from rivers, and for improvement of river maintenance. Completed **Delayed** □ Cancelled On Schedule X **Deferred** 1.6 West Mansfield will participate in countywide storm water vulnerability study to improve wastewater systems and field tiling practices to limit damages from runoff water. Completed Cancelled On Schedule X **Delayed** □ Deferred 1.7 West Mansfield will improve ditch maintenance to reduce sedimentation and erosion. Cancelled On Schedule X **Deferred** □ **Completed** □ **Delayed** □ 1.8 West Mansfield will maintain, replace, or add storm sewers, wastewater pumping stations, water pumps, and other devices or structures to protect property from flooding and to lessen flash flooding. **Cancelled** □ On Schedule X **Deferred** □ Completed **Delayed** □

1.9 West Mansfield will remove debris and obstructions from waterways in the village.					
Completed ☐ Cancelled ☐ On Schedule X Delayed ☐ Deferred ☐					
1.10 West Mansfield will advocate for replacement of deteriorated tiles, planting of cover crops, utilizing					
conservation tillage, installation of tile control structures where feasible, and use of filter strips for slope					
protection to assist farmers with disaster resiliency.					
Completed ☐ Cancelled ☐ On Schedule ★ Delayed ☐ Deferred ☐					
1.11 West Mansfield will require retention or detention ponds to contain runoff water in new development					
or expansion where surface runoff may cause flooding.					
Completed ☐ Cancelled ☐ On Schedule ★ Delayed ☐ Deferred ☐					
1.12 West Mansfield will make improvements to road and infrastructure including increase of bridge spans,					
repair of shoulders and berms, increase in culvert size, maintenance of bridge slopes and protection of					
roadways from storm and flood damage, to enhance the likelihood of open roadways even after severe					
flooding and drainage.					
Completed ☐ Cancelled ☐ On Schedule ※ Delayed ☐ Deferred ☐					
1.13 West Mansfield will utilize elevation to protect critical infrastructure and property from flooding.					
Completed ☐ Cancelled ☐ On Schedule ¥ Delayed ☐ Deferred ☐					
1.14 West Mansfield will acquire and demolish properties that flood repeatedly to relocate resident out of					
flood risk areas, and to restore property to a natural habitat maintained as such into perpetuity.					
Completed ☐ Cancelled ☐ On Schedule ★ Delayed ☐ Deferred ☐					
GOAL 2: WEST MANSFIELD WILL EMPLOY MITIGATION ACTIONS TO REDUCE DAMAGES INCURRED FROM					
SEVERE WINDSTORMS, INCLUDING STRAIGHT-LINE WINDS AND TORNADOES					
2.1 West Mansfield 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.					
maintenance of trees and vegetation to reduce damages caused by high winds or tornadoes. Completed □ Cancelled □ On Schedule ★ Delayed □ Deferred □					
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3.5 West Mansfield will wo	· ·		•	•
planning efforts to create v		· · · · · · · · · · · · · · · · · · ·	· ·	
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3.6 West Mansfield will eduservices, vulnerable popula	•			* ·
media, printed information	•		icy procedures usi	ng mass and social
Completed	Cancelled □	On Schedule *	Delayed □	Deferred □
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GOAL 4: WEST MANSFIELD			S TO REDUCE DAN	MAGES DUE TO UTILITY
OUTAGES AND RESOURCE	SHORTAGES FROM	ALL CAUSES		
4.1 West Mansfield will en	courage the harden	ing of utilities throug	h installation belo	w grade, improvements
to supply line and generati			ons and transforn	ners.
Completed □		On Schedule X	Delayed □	Deferred □
4.2 West Mansfield will ide	•		* * *	The second secon
power sources, and other of	critical supplies nece	essary for sustaining I	ife, business, and	safety during power
outages.				
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GOAL 5: WEST MANSFIELD	WILL ENGAGE IN N	MITIGATION ACTIONS	S TO REDUCE DAN	AGES FROM ALL
SEVERE STORMS, INCLUDI	NG THUNDERSTOR	MS AND BLIZZARDS,	AND OTHER NATI	JRAL DISASTERS AND
CAUSES.				
5.1 West Mansfield will est	tablish water conser	vation procedures to	be implemented	during water
emergencies due to drough		· · · · · · · · · · · · · · · · · · ·		
Completed □	Cancelled □	On Schedule X	Delayed □	Deferred □
5.2 West Mansfield will ed	ucate the public abo	out LOC digital warnir	ng and notification	system like reverse
calling, weather radios, wa	rning sirons and did	rital recourses that in		
1	irining sirens, and die	gitai resources tilat ili	form them of inco	oming life-threatening
storms or emergency incid		gital resources that in	form them of inco	oming life-threatening
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Completed ☐ 5.3 West Mansfield will ma	ents. Cancelled aintain and improve	On Schedule * hardware, software,	Delayed □	Deferred □
Completed ☐ 5.3 West Mansfield will masirens) used to deliver warr	ents. Cancelled aintain and improve nings and notification	On Schedule * hardware, software, ons.	Delayed □ and capital equip	Deferred □ ment (outdoor warning
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Table 3-13: Village of Zanesfield 2017 Mitigation Goals and Strategies

GOAL 1: ZANESFIELD WILL EMPLOY MITIGATION ACTIONS TO REDUCE DAMAGES INCURRED FROM SEVERE WINDSTORMS, INCLUDING STRAIGHT-LINE WINDS AND TORNADOES.					
	field will advocate prowhere trees are info Completed *	•			ges caused by wind, Deferred
1 2 7anes	field will support the			•	
	s or shelters.		_	·	
	Completed X	Cancelled	On Schedule	Delayed □	Deferred □
	STER INFORMATION				LIC TO OBTAIN AND ZARDS PRESENT IN
	field will develop a marnings and notificat		•		of protective action
orders, we	Completed *	Cancelled	On Schedule	Delayed	Deferred □
2.2 Zanes	field will educate the			•	
	vulnerable populatio		ince, and emergenc	y procedures usir	ng mass and social
media, pr	inted information, an Completed 	Cancelled \square	On Schedule	Delayed □	Deferred □
2.3 Zanes	•			•	ss media, social media,
	t contact with reside		· · · · · · · · · · · · · · · · · · ·		,
	Completed X	Cancelled	On Schedule	Delayed □	Deferred □
	ANESFIELD WILL EN			DUCE DAMAGES	DUE TO UTILITY
3.1 Zanes	field will encourage t	the hardening of ut	ilities through dama	nge resistant insta	llation below grade,
improvem	nents to supply lines				
	Completed	Cancelled	On Schedule	Delayed □	Deferred X
	field will establish re fy and facilitate avai				other utility needs and
wiii ideiiti	Completed	Cancelled	On Schedule	Delayed	Deferred X
COAL 4: 7	ANESFIELD WILL EN			•	
					ASTERS AND CAUSES.
		· · · · · · · · · · · · · · · · · · ·	rocedures to be imp	olemented during	water emergencies
due to dro	ought or contaminat		O Colonia II	5.1	Defended M
4.2.7anos:	Completed ☐ field will maintain ar	Cancelled Id improve hardwar	On Schedule	Delayed nital equipment (Deferred X
	ed to deliver warning			pitai equipinent (outdoor warriing
311 01137 43	Completed *	Cancelled	On Schedule	Delayed □	Deferred □
4.3 Zanes	field will identify and	I remove dead or d	iseased trees along	waterways and ir	the public domain.
	Completed X	Cancelled □	On Schedule	Delayed □	Deferred □
		•		•	ems like reverse calling,
	adios, warning siren ency incidents.	s, and digital resoul	rces that inform the	m of incoming life	e-threatening storms
or enterge	Completed *	Cancelled □	On Schedule	Delayed □	Deferred □

GOAL 5: ZANESFIELD WILL ENGAGE IN MITIGATION ACTIONS TO PRESERVE AND PROTECT NATURAL RESOURCES SUCH AS TOPSOIL AND WATERWAYS FROM EROSION.					
5.1 Zanesfield will protect roadways vulnerable to compromised structural integrity, damaged berms, washed away foundation or abutments, or other deterioration due to extreme runoff or specific highly vulnerable soil types.					
Completed	Cancelled	On Schedule X	Delayed □	Deferred	
GOAL 6: ZANESFIELD WILL E	NGAGE IN MITIGA	TION ACTIONS THAT	REDUCE DAMAGI	ES FROM FLOODING.	
6.1 Zanesfield will maintain engagement to ensure accur through the appeal process.	racy of the maps, in	cluding advocacy for	adoption of curre		
Completed	Cancelled	On Schedule	Delayed □	Deferred X	
6.2 Zanesfield will advocate	• •	•			
Completed	Cancelled	On Schedule	Delayed □	Deferred *	
6.3 Zanesfield will maintain			lations, and other	land use regulations	
that encourage sustainable of					
Completed □	Cancelled	On Schedule *	Delayed	Deferred □	
6.4 Zanesfield will use finance Completed □	cial aid for flood mit Cancelled	tigation through grant On Schedule	ts, fees, and other Delayed	r special programs. Deferred □	
6.5 Zanesfield will implement and erosion.	t improvements to	the ditch maintenance	ce program to red	luce sedimentation	
Completed □	Cancelled □	On Schedule X	Delayed □	Deferred □	
6.6 Zanesfield will remove d	ebris and obstruction				
Completed X	Cancelled □	On Schedule	Delayed □	Deferred □	
6.7 Zanesfield will study the likelihood and potential impact of dam failure for dams that may impact the jurisdiction under failure.					
Completed □	Cancelled □	On Schedule	Delayed □	Deferred X	
6.8 Zanesfield will participat			y study to improv	ve wastewater systems	
and field tiling practices to li	•				
Completed	Cancelled	On Schedule	Delayed □	Deferred *	
6.9 Zanesfield will advocate		ance of dams to lesse	n the likelihood o	of structural failure and	
flooding due to poor mainte		_	_		
Completed	Cancelled	On Schedule	Delayed □	Deferred *	
6.10 Zanesfield will make im					
repair of shoulders and bern				•	
roadways from storm and flo	ood damage, to enh	nance the likelihood o	t open roadways	even after severe	
flooding and damage.	Composite d. 🗆	On Calcard 1: 44	Delever I 🗆	Defermed 🖂	
Completed ☐	Cancelled ☐	On Schedule X	Delayed □	Deferred □	

3.2 RISK PRIORITIES

The Hazard Identification and Risk Assessment explains in detail the identification of hazards and evaluation of risks in Logan 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 Logan County. As a result of this assessment, the planning team determined that relevant

hazards and applicable risks for Logan County overall are as follows, prioritized from comprehensively most-concerning to least-concerning: windstorm, tornado, severe thunderstorm, flood (primarily flash flood), severe winter storm, earthquake, land subsidence, invasive species, dam/levee failure, and drought and extreme heat. Some of the individual municipalities ranked threats in a different order based upon the unique characteristics or history of their community, and some communities did not feel specific hazards were a threat. For example, if there were no high-hazard dams owned by or inside the jurisdiction, they did not include dam failure as a threat. The goals and actions are listed in order of priority determined by each work group, in the context of both historical damages and current threat assessment.

Logan County's most concerning threat is excessive wind. Considering the relatively rolling or flat terrain and impact of the Emerald Ash Borer in the past, the exposure to high wind and the poor condition of many trees makes wind a threatening hazard. 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 buildings 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 than 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. Severe thunderstorms and blizzards are disruptive and expensive in their worst form, and were ranked fourth in Logan County concerns. 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 and the industries that rely upon open access for shipping and receiving operations. If roads are blocked and snow covered, power outages occur due to the ice and/or wind associated with the storms, and farms and businesses cannot operate. Livestock operations are dependent upon utilities and transportation support. Small industries and manufacturing are crippled by lack of access to transportation, and power outages cause shut-downs that require a complex process to restart and resume production. 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. In Ohio, the combination of wind, water, and extreme temperature of any direction causes havoc and destruction.

Logan County ranked general storm damages such as utility outages, generally due to wind, ice, and snow, as their third concern. This is due to the level of disruption utility outages cause, based upon industrial and agricultural dependency upon electricity for the most part. Also, included in this category were resource shortages, such as alternate power sources and fuel shortages

Severe thunderstorms and blizzards are disruptive and expensive in their worst form, and were ranked fourth in Logan County concerns. 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 and the industries that rely upon open access for shipping and receiving operations. If roads are blocked and snow covered, power outages occur due to the ice and/or wind associated with the storms, and farms and businesses cannot operate. Livestock operations are dependent upon utilities and transportation support. Small industries and manufacturing are crippled by lack of access to transportation, and power outages cause shut-downs that require a complex process to restart and resume production. 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. In Ohio, the combination of wind, water, and extreme temperature of any direction causes havoc and 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.

Logan County stakeholders felt that mitigation strategies to facilitate communication and public information release were important actions they could take to reduce damages from storms. Those strategies are distributed throughout the storm-related strategies.

Flooding is the fourth highest concern, and the threat is flash flooding inside the municipalities where streets and highways are inundated with rapid precipitation. While some of the ditches and streams flood under heavy rain or combined rain and snowmelt conditions, the primary threat of flooding is when precipitation is heavy and sustained and man-made drainage systems cannot handle the water load. Under those conditions, when sewers and natural drainage cannot keep up with the pace of the rainfall, streets and parking lots in municipalities flood. If accompanied by wind in fall when crops are being harvested, fodder can wash into the drainage systems and clog storm sewers, challenging drainage systems to work effectively. Trees that fall during wind storms can clog sewer systems as well. Generally, most flooding is short-term because Logan County sits at the highest elevations in the entire state, so water drains in a reasonably short period of time. However, at times, it can leave a path of damage as its legacy where flash flooding has occurred. For Logan County to have a major riverine flood, it would require extremely unusual rainfall, and there is no history of that kind of flood taking place. Flooding experienced in 2019 showed Logan County, especially those in West Liberty and Bellefontaine, how absolutely devastating floods can be.

Strategies for flooding focus on structural options such as retention and detention of water, elevation of structures, and water management systems and practices as a good neighbor to communities downstream. 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 that are not mitigated by other means, but these are rare examples in Logan County.

The last priority for Logan County was erosion and conservation of natural resources. Because flooding is not predominant in riverine form, sedimentation is minimal. At the top of the watershed, rivers and ditches are generally small and narrow and do not roar through the county taking everything possible along with them. Therefore, while erosion and conservation of natural resources is a concern, overall, in the county it ranked lower on the list of threats.

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. When Ohio is considered "in drought", Logan County is generally in less distress than most of the state due to its terrain and robust water supply. When Ohio, in general, experienced drought in 1988 and 2012, Logan County was not one of the most affected counties. Grain crops are more resilient than vegetable and fruit crops when drought strikes. The water supply through both aquifers and water systems is robust, and the effects on Logan County are rare and minimal.

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. Threat to water supply would more likely be contamination of some sort, and therefore an emergency procedure action was included for most communities that have water treatment systems. Some communities use individual well systems, and for those, an emergency procedure is a personal preparedness issue.

Dam failure is a risk but there are only three high-hazard dams, including the dam at Indian Lake, Pine Lake Dam and Briarwood Sportsman's Club No. 11 Dam. The Indian Lake dam and spillway have recently undergone significant repair and replacement by ODNR in 2021, and it is considered to be in excellent condition. It is not due for reinspection by authorities for several years. No emergency action plan has been shared with Logan County to date, however. The other two dams are privately owned and are located in townships; the county will work with the owners to create emergency action plans. There are no levees in Logan County or other water retention structures such as dikes or floodwalls.

Mitigation of dam failure concentrates on monitoring the condition of dams and taking appropriate action if necessary. There is no history of dam failure, so maintenance and repair took a higher priority than response to failure. The recent repairs at Indian Lake make this a relatively lower concern in that geographic area.

Earthquake is a similar possibility but low-ranked vulnerability. Buildings are single or two-story structures in most of the county with just a few higher buildings, mostly in the downtown sections of the Bellefontaine. Few bridges have long spans over water; most are as wide as two highway lanes or a county road. 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. Infrastructure, such as roads, bridges, utility distribution lines, and treatment facilities could be damaged by a fairly weak earthquake because some of them are old and in need of repair. Even those that are new could be damaged by earthquakes. The strategies for earthquake include robust warning and notification systems and public information, and ensuring that emergency action plans are in place.

The strategies in this plan are intended to provide general options to lessen the vulnerabilities in Logan 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, Logan 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 individually and collaboratively countywide to develop fitting mitigation goals and strategies, and later to prioritize them and assign a champion, timeline, and a potential funding source. The Contractor drafted the strategies based on the input provided by these stakeholders, and their input was the basis for prioritization, assignment, and funding. 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 Logan County

Logan County's mitigation strategies are intended to reduce vulnerability to damage from wind (tornado and straight line as well as high winds and derecho), water (rain and snow of all forms), severe storms (thunderstorms, lightning, hail, and ice), drought (with extreme heat or extended dry periods), dam failure (pertaining to dams located in the county; there are no levees), invasive species, land subsidence, 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 occurs, as regulations are written and revised, and as codes and guidance is enforced and

Priority

approved. These strategies will be reflected in local building codes, land use regulations, economic development goals and strategies, capital improvement plans, and budgetary management. Stakeholders attempted to take a pro-active approach to strategies and consider what development may take place in the coming five years as they developed a plan of action. Projects will be conducted as funding is available, and daily practices will be adjusted to include modifications of work to implement strategies when feasible.

Although Logan County does not own or lease the three high-hazard dams in Logan County, they will work with ODNR and the private party that owns these dams in an effort to protect township property and the property and lives of county residents and visitors should one of these dams fail. They have no actual authority to mandate maintenance measures or the development of emergency action plans, but they will work to collaboratively accomplish this.

As Logan County Commissioners and other elected officials will represent the townships in mitigation efforts, they will communicate with one another, and especially the township trustees whose jurisdictions are affected. The county and townships will work together to implement mitigation projects that are selected for action.

This partnership between levels of local government is not new nor is collaboration with private entities or state government new. Logan County commissioners have worked with jurisdictions in this way for many years. This collaboration will continue. Today's efforts to better include hazard mitigation in community development and in serving all populations are another effort of this local teamwork.

More information on how the various county entities work together in development is included and detailed in Section 04 Plan Maintenance and Implementation.

(Note: Descriptors for categories in this table are explained in Section 3.3.11.)

Table 3-2: Logan County 2023 Mitigation Goals and Strategies

Start Date

Funding

BRIC

Lead Agency

DAMA	GOAL 1: LOGAN COUNTY AND ITS JURISDICTIONS WILL EMPLOY MITIGATION ACTIONS TO REDUCE THE DAMAGES INCURRED FROM SEVERE WIND STORMS THAT INCLUDE WIND, STRAIGHT LINE WINDS AND TORNADOES.								
	1.1 Logan County will advocate proper trimming of trees and vegetation to reduce damages caused by wind, especially where trees are infected with disease.								
1	Property Protection	County Engineer	7-1-23	6-30-28	LOC/ST				
	gan County will support the conents or shelters.	nstruction of safe rooms	for single and r	nulti-family hom					
2	Property Protection	EMA Director	7-1-23	6-30-28	LOC PDM				

Priority	Action Type	Lead Agency	Start Date	End Date	Funding
	County will implement a pr				
	er and other debris out of w	the state of the s			d other
infrastruct	ture, and to keep roadways		as possible after	storms.	
3	Property Protection	EMA Director Solid Waste District	7-1-23	6-30-28	LOC
1.4 Use ex	kisting construction regulation	on and guidance to help p	roperty owners	improve their p	roperty's
resistance	to storm damage through t	the use of storm-resistant	construction ma	aterials and high	n-quality
workmans	ship in construction and ren	ovation projects.			
4	Property Protection	County Building Official	7-1-23	6-30-28	LOC
GOAL 2: L	OGAN COUNTY WILL ENGA	GF IN MITIGATION ACTIO	NS THAT REDUC	CF DAMAGES FI	ROM
	G INCLUDING LAND SUBISD				
	County will make improven				
	shoulders and berms, increa				
	from storm and flood dama	ige, to enhance the likelih	ood of open roa	dways even afte	er severe
	nd rapid drainage.				
5	Property Protection	County Engineer	7-1-23		LOC
				6-30-28	PDM/FMA
				0 00 20	BRIC
					HMGP
2.2 Logan	County will maintain NFIP p	participation so property o	wners have acce	ess to flood insu	irance, and wil
regularly r	review flood risk maps and r	regulations to ensure com	pliance with reg	ulations and im	plementation
of improve	ement strategies.				
6	Prevention	Floodplain Manager	7-1-23	6-30-28	LOC
2.3 Logan	County will implement imp	rovements to the ditch ma	aintenance prog	ram, and will id	entify how to
repair dan	nage done to these designa	ted ditches by storms and	floods, such as i	removal of sedi	mentation and
preventio	n of erosion.				
7	Natural Resource	County Engineer	7-1-23	6 20 20	100
,	Protection	County Engineer	7-1-25	6-30-28	LOC
2.4 Logan	County will remove debris a	and obstructions from wat	terways included	in the county	ditch
maintenar	nce program to facilitate the	e flow of water.			
8	Property Protection	County Engineer	7-1-23	6-30-28	LOC
2.5 Logan	County will use federal and	state grant programs to f	und mitigation e	fforts, especiall	y in flood
	and mitigation planning.				
0	<u> </u>				PDM/FMA
9	Prevention	EMA Director	7-1-23	6-30-28	BRIC
	Trevention	LIVIA DITECTO	7 1 23	0 30 20	HMGP
2.6.Logan	County will advocate and so	innort flood insurance wh	nere required		HIVIOP
2.6 Logan 10	Property Protection	EMA Director	7-1-23	6-30-28	LOC
	· · ·				
	County will maintain existing sustainable disaster-resista		es, and other col	istruction regul	ations that
					LOC
11	Property Protection	County Building	7-1-23	6-30-28	CDBG
	., ., .,	Authority			Other

Priority	Action Type	Lead Agency	Start Date	End Date	Funding
•	County will maintain develop tation, such as land use plans s.	•			
12	Prevention	LUC Regional Planning Director	7-1-23	6-30-28	LOC
	County will study countywide ent to wastewater systems a	storm water to reduce			
13	Nat. Resource Protection	Water Pollution Control Officer	7-1-23	12-31-22	LOC
Logan Cou	n County will identify and qua inty, including consideration on h, key resources, and critical f	of the dam's documente	ed condition whe	n inspected, an	d the
14	Prevention	EMA Director	7-1-23	12-31-22	LOC
high-hazaı	n County will facilitate and ass rd dams to protect the people nsure that those plans adequ	e and property that wou ately include prevention	ıld be negatively	impacted if the	dam were to
15	Structurally Engineered	SWCD Director EMA Director	7-1-23	12-31-22	LOC
	n County will require retentio where surface runoff may ca	· ·	contain runoff w	vater in new de	velopment or
16	Structurally Engineered	County Engineer	7-1-23	6-30-28	LOC
and other	n County will maintain, replact devices or structures to prote ns or areas outside incorpora	ect property from flood tion limits that may hav	ing and to lessen	flash flooding i	
17	Prevention	Water Pollution Control Officer	7-1-23	6-30-28	LOC
	n County will work with owne g programs that use mitigatio			want to reloca	ite by
18	Prevention	Floodplain Manager EMA Director	7-1-23	6-30-28	LOC HMGP PDM BRIC
2.15 Logar	n County will utilize elevation	to protect critical infras	structure and pro	perty from floo	ding. LOC
19	Property Protection	County Engineer	7-1-23	6-30-28	PDM/FMA BRIC
	n County will advocate mainte onservancy districts that worl way.	·			tion with
20	Nat. Resource Protection	SWCD Director	7-1-23	6-30-28	LOC/ICC
excess run	n County will create vegetativ noff until it naturally drains do	wnstream.		·	
21	Nat. Resource Protection	SWCD Director	7-1-23	6-30-28	LOC

Priority	Action Type	Lead Agency	Start Date	End Date	Funding				
2.18 Loga	2.18 Logan County will support farmers as they replace deteriorated tiles, implement conservation practices								
including	including the use of cover crops and conservation tillage, install tile control structures where feasible, and use								
filter strip	s for slope protection.								
22	Nat. Resource Protection	SWCD Director	7-1-23	6-30-28	LOC				
2.19 Loga	n County will use channel mo	dification and/or divers	sion to eliminate a	reas where floo	oding is highly				
destructiv	e and no other option is feasi	ble to decrease the flo	od damage.						
23	Structurally Engineered	County Engineer	7-1-23	6-30-28	LOC PDM/FMA BRIC HMGP				

GOAL 3: LOGAN COUNTY AND ITS JURISDICTIONS WILL EMPLOY MITIGATION ACTIONS THE REDUCE DAMAGES DUE TO UTILITY OUTAGES AND SUPPLY SHORTAGES DUE TO SEVERE STORMS AND DISASTERS.

3.1 Logan County will identify alternate heating fuels, potable water suppliers, water pump stations, alternate power sources, private water systems where needed, and other critical supplies necessary for sustaining life, business, and safety during power outages with emphasis upon continuity for livestock operations, industrial and manufacturing businesses, and government critical facilities.								
24	Property Protection	EMA Director	7-1-23	6-30-28	LOC			
3.2 Logan County will encourage collaboration between all levels of government and private contractors to clear roads and maintain electrical service during severe weather, especially ice, snow, wind, and floods and to protect business operations and assets from disaster related losses.								
25	Property Protection	EMA Director	7-1-23	6-30-28	LOC			
3.3 Logan County will encourage the hardening of utilities through installation below grade, improvements to supply line and generation plants, and upgrade of poles, substations and transformers.								
26	Property Protection	County Engineer	7-1-23	6-30-28	LOC ICC			

GOAL 4: LOGAN COUNTY WILL CONDUCT MITIGATION ACTIONS TO REDUCE VULNERABILITY OF POPULATIONS TO DAMAGES AND CASUALTIES DUE TO ALL TYPES OF DISASTERS AND SEVERE STORMS.

4.1 Logan County will implement a program to identify and remove dead or diseased trees along waterways,

roadways, and in areas used by the public.									
27	Property Protection	County Engineer	7-1-23	6-30-28	LOC				
4.2 Logan County will educate the public about digital warning and notification systems like reverse calling, weather radios, warning sirens, and digital resources that inform them of incoming life-threatening storms or emergency incidents.									
28	Public Information	EMA Director	7-1-23	6-30-28	LOC HSGP/EMPG				
4.3 Logan County will maintain and improve hardware, software, and capital equipment (outdoor warning sirens) used to deliver warnings and notification of severe weather and other hazards to county residents.									
20	B. Idla I. C Ita	ENAN Discoulant	7.4.22	C 20 20	LOC				

7-1-23

6-30-28

HSGP/EMPG

4.4 Logan County will implement a project to identify, respond to, and recover from farm losses after severe storms, power outages, or hazardous materials incident including facilitating generator availability during power outages, assisting during a severe livestock infestation, responding effectively to grain operations incident, clearing roads of snow and ice for ongoing ingress and egress to farms, and assisting with other issues of particular importance to agriculture.

30 Property Protection EMA Director 7-1-23 6-30-28 LOC

EMA Director

Public Information

29

Priority	Action Type	Lead Agency	Start Date	End Date	Funding
4.5 Logan	County will assist and colla	borate with farmers to ide	entify ways to de	crease losses af	fter severe
storms, in	cluding but not limited to m	nanagement of rapid and	excess runoff fro	m fields or whe	rever manure
managem	ent is necessary, helping de	velop protective measure	es for chemical st	orage tanks, fe	ed silos, gran
bins, and d	other farm structures and e	quipment, and other nec	essary protective	measures com	mon to
	al operations.		, , , , , , , , , , , , , , , , , , ,		
31	Property Protection	SWCD Director	7-1-23	6-30-28	LOC
4.6 Logan	County will improve capaci	ty to implement rapid pla	cement of tempo	orary warning si	igns to indicate
	road conditions like floodi				
closures.		0,,		,	,,
32	Property Protection	County Engineer	7-1-23	6-30-28	LOC
	County will coordinate wat			ented during wa	
	ies due to drought or conta	•			
33	Nat. Resource Protection		7-1-23	6-30-28	LOC
	pp a just-in-time plan of acti				
			•		
relevant d	isadvantages or other char	acteristics that cause the	m to he more vul	nerable to dam	aae or iniuru
	isadvantages, or other char				
	isadvantages, or other char after a significant storm eve	ent, and as a result may b			
during or a	after a significant storm eve	ent, and as a result may b EMA Director	e less resilient the	an the typical co	ounty resident.
	•	ent, and as a result may b EMA Director Health Commissioner	e less resilient the		
during or a	Property Protection	ent, and as a result may b EMA Director Health Commissioner Board of DD Director	e less resilient the	an the typical co	LOC
during or a 34 4.9 Logan	Property Protection County will provide informa	ent, and as a result may b EMA Director Health Commissioner Board of DD Director ation to county residents of	e less resilient the 7-1-23 about preparing f	6-30-28	LOC rm, including
during or d 34 4.9 Logan informatio	Property Protection County will provide information about power and utility of	ent, and as a result may be EMA Director Health Commissioner Board of DD Director ation to county residents of outages, family or individual	e less resilient the 7-1-23 about preparing f aal storm prepara	6-30-28	LOC rm, including
during or o 34 4.9 Logan information	Property Protection County will provide information about power and utility as information before and du	ent, and as a result may be EMA Director Health Commissioner Board of DD Director ation to county residents of butages, family or individuating a severe winter stor	e less resilient the 7-1-23 about preparing final storm prepara m.	6-30-28 for a severe stor	LOC rm, including to obtain trave
during or o 34 4.9 Logan informatio or busines 35	Property Protection County will provide information about power and utility of sinformation before and during Property Protection	ent, and as a result may be EMA Director Health Commissioner Board of DD Director ation to county residents of butages, family or individuaring a severe winter stor EMA Director	e less resilient the 7-1-23 about preparing f ial storm prepara m. 7-1-23	6-30-28 for a severe stortion, and how t	LOC LOC rm, including to obtain trave
during or of the state of the s	Property Protection County will provide information about power and utility as information before and du Property Protection The a database of cultural sites	ent, and as a result may be EMA Director Health Commissioner Board of DD Director ation to county residents of butages, family or individuating a severe winter stor EMA Director es, including cemeteries, in	e less resilient the 7-1-23 about preparing f ual storm prepara m. 7-1-23 mausoleums, Indi	6-30-28 for a severe storation, and how to 6-30-28 fan burial sites,	LOC LOC LOC LOC LOC and other
during or of the state of the s	Property Protection County will provide information about power and utility of sinformation before and during Property Protection The a database of cultural site easily locate historical and design and design and design.	ent, and as a result may be EMA Director Health Commissioner Board of DD Director ation to county residents of butages, family or individuating a severe winter store EMA Director es, including cemeteries, including areas that need to	e less resilient the 7-1-23 about preparing full storm prepara m. 7-1-23 mausoleums, India o be protected fro	for a severe store ation, and how to 6-30-28 fan burial sites, om flooding, wii	LOC LOC LOC LOC and other nd, ice, and
during or of the state of the s	Property Protection County will provide information about power and utility as information before and du Property Protection The a database of cultural sites	ent, and as a result may be EMA Director Health Commissioner Board of DD Director ation to county residents of butages, family or individuaring a severe winter store EMA Director es, including cemeteries, including cemeteries, including cemeteries, including the entities responsible for	e less resilient the 7-1-23 about preparing full storm prepara m. 7-1-23 mausoleums, India o be protected fro	for a severe store ation, and how to 6-30-28 fan burial sites, om flooding, wii	LOC LOC LOC LOC and other nd, ice, and
4.9 Logan information business 35 4.10 Creat graves to expense to	Property Protection County will provide information before and du Property Protection Property Protection The additional action before and du Property Protection The additional action before and du Property Protection The additional action before and du Property Protection The additional actional action before and du Property Protection The additional action before action befor	Ent, and as a result may be EMA Director Health Commissioner Board of DD Director ation to county residents of butages, family or individuating a severe winter store EMA Director es, including cemeteries, including cemeteries, including cemeteries, including the entities responsible for Historical Society	e less resilient the 7-1-23 about preparing f yal storm prepara m. 7-1-23 mausoleums, Indi o be protected from repairing grave.	for a severe storetion, and how to 6-30-28 fan burial sites, om flooding, with stones and other fan to 100 fan burial sites, and other flooding with stones and other flooding with stones and other flooding with the fan to 100 fan flooding with stones and other flooding with the fan to 100 fan flooding with the fan to 100 fan flooding with the flooding with	LOC and other and ice, and er property.
4.9 Logan information or busines. 35 4.10 Creat graves to e other store	Property Protection County will provide information about power and utility of a information before and during Property Protection are a database of cultural site easily locate historical and a m damage; and to identify the Property Protection	ent, and as a result may be EMA Director Health Commissioner Board of DD Director ation to county residents of butages, family or individuating a severe winter store EMA Director es, including cemeteries, including cemet	e less resilient the 7-1-23 about preparing for all storm prepara m. 7-1-23 mausoleums, India o be protected from repairing grave. 7-1-23	for a severe store ation, and how to 6-30-28 for burial sites, om flooding, with stones and other 6-30-28	LOC LOC and other and, ice, and er property. LOC
during or of 34 4.9 Logan information business 35 4.10 Creat graves to 6 other storic 36 4.11 Main	Property Protection County will provide information about power and utility of a information before and du Property Protection a database of cultural site easily locate historical and a m damage; and to identify a Property Protection tain and update, as needed	ent, and as a result may be EMA Director Health Commissioner Board of DD Director ation to county residents of outages, family or individuating a severe winter store EMA Director es, including cemeteries, including cemet	e less resilient the r 7-1-23 about preparing f yal storm prepara m. 7-1-23 mausoleums, Indi o be protected from repairing grave. 7-1-23	for a severe storation, and how to 6-30-28 for a severe storation, and how to 6-30-28 for a burial sites, or flooding, wind stones and other flooding stones and other flooding.	LOC and other nd, ice, and er property. LOC ue populations
during or of the state of the store of the s	Property Protection County will provide information about power and utility of sinformation before and du Property Protection The a database of cultural site easily locate historical and of m damage; and to identify in Property Protection tain and update, as needed accement of community resilies.	Ent, and as a result may be EMA Director Health Commissioner Board of DD Director ation to county residents of butages, family or individuating a severe winter store EMA Director es, including cemeteries, including cemet	e less resilient the r 7-1-23 about preparing f yal storm prepara m. 7-1-23 mausoleums, Indi o be protected fro or repairing grave. 7-1-23 ans that include s ye a positive effect	for a severe storation, and how to 6-30-28 for a severe storation, and how to 6-30-28 for flooding, with stones and other flooding is stones and other flooding is to need t	LOC and other and, ice, and er property. LOC LOC and property. LOC LOC LOC
during or of the state of the store of the s	Property Protection County will provide information about power and utility of a information before and du Property Protection a database of cultural site easily locate historical and a m damage; and to identify a Property Protection tain and update, as needed	Ent, and as a result may be EMA Director Health Commissioner Board of DD Director ation to county residents of butages, family or individuating a severe winter store EMA Director es, including cemeteries, including cemet	e less resilient the r 7-1-23 about preparing f yal storm prepara m. 7-1-23 mausoleums, Indi o be protected fro or repairing grave. 7-1-23 ans that include s ye a positive effect	for a severe storation, and how to 6-30-28 for a severe storation, and how to 6-30-28 for flooding, with stones and other flooding is stones and other flooding is to need t	LOC and other and, ice, and er property. LOC LOC and property. LOC LOC LOC

GOAL 5: LOGAN COUNTY WILL COMPLETE MITIGATION ACTIONS THAT ENABLE RAPID AND EFFECTIVE COMMUNICATION DURING A DISASTER INCIDENT FOR THE PURPOSE OF DIRECTING THE POPULATION TO TAKE PROTECTIVE ACTION AND FOLLOW OPERATIONAL PROCEDURES.

5.1 Logan County will develop interoperable communication plans to coordinate life-saving efforts between all community partners during severe incidents.

38 Public Information EMA Director 7-1-23 6-30-28 LOC EMPG/HSGP

5.2 Logan County will improve GIS mapping to include infrastructure and utility designations and expand the customization capability of county software to produce data that is useful in community response planning.

39 Public Information County Auditor 7-1-23 6-30-28 LOC

5.3 Logan County will work to develop enhanced methods of cross-discipline and interjurisdictional planning efforts to create whole community efforts to improve communities and expand disaster resilience.

Priority	Action Type	Lead Agency	Start Date	End Date	Funding
40	Property Protection	EMA Director	7-1-23	6-30-28	LOC
5.4 Logan	County will develop, utilize	e and maintain a commun	ication plan to inc	lude mass med	ia, social
media, an	d direct contact before, du	iring and after incidents, ir	ncluding developr	nent of materia	Is that will
reach indi	viduals with functional nee	eds or language barriers			
41	Public Information	EMA Director Sheriff	7-1-23	6-30-28	LOC
5.5 Logan	County will provide inform	nation for the public about	t local disaster ha	zards and vulne	rabilities,
protective	actions, available service,	special populations and a	ssistance, and em	ergency proced	dures using
mass and	social media, printed medi	ia, and other means of cor	mmunication.		
42	Dublic Information	ENAA Dinaatan	7 4 22	C 20 20	LOC
42	Public Information	EMA Director	7-1-23	6-30-28	EMPG/HSPG
5.6 Logan	County maintain a multi-p	art communication systen	n to notify all com	munities of pro	tective action
orders, wa	arnings and notification, ar	nd other critical informatio	on related to speci	ific disaster inci	dents.
					LOC
43	Public Information	EMA Director	7-1-23	6-30-28	EMPG/HSGP
5.7 Logan	County will improve GIS m	Janning and addressing to	facilitate location	of specific pare	
	during emergency and dis				
needed.	daring emergency and an			acaar ara resc	rarces when
		County Auditor			
44	Public Information	County Engineer	7-1-23	6-30-28	LOC
		Sewer District Dir.			

GOAL 6: LOGAN COUNTY WILL ENGAGE IN MITIGATION ACTIONS TO REDUCE THE EROSION OF TOPSOIL AND ROADWAYS DUE TO FLOODING, LAND USE OR HUMAN ACTION, AND TO PRESERVE NATURAL RESOURCES IN A WAY THAT LESSENS DISASTER DAMAGES.

6.1 Logan County will protect roadways vulnerable to compromised structural integrity, damaged berms, washed away foundations or abutments, or other deterioration due to extreme runoff or highly vulnerable soil types caused by severe storms. **Property Protection** County Engineer 7-1-23 6.2 Logan County will protect waterways by reducing slope erosion, land subsidence and wind damage through various conservations measures such as use of cover plants, vegetation, grassy waterways, filter strips, buffers and such. Nat. Resource Protection **SWCD Director** 7-1-23 6-30-28 6.3 Logan County will protect open areas and fields from wind erosion due to storms through use of windbreaks, filter strips, cover crops, tree lines, and other vegetative buffers to protect topsoil during high wind events and heavy precipitation. Nat. Resource Protection SWCD Director 7-1-23 6-30-28 LOC 6.4 Logan County will monitor areas vulnerable to land subsidence and/or severe erosion loss of topsoil and embankments for changes or damages from heavy or rapid rainfall or other significant windstorm incidents. 7-1-23 6-30-28

48 Nat. Resource Protection SWCD Director 7-1-23 6-30-28 LOC GOAL 7 LOGAN COUNTY WILL MONITOR AND REPORT, IF NECESSARY, THE LOCAL PRESENCE OF DAMAGING INSECTS, PLANT OR ANIMAL DISEASES, NOXIOUS WEEDS, OR NUISANCE WILDLIFE UNDER SURVEILLANCE BY THE OHIO DEPARTMENT OF AGRICULTURE OR OHIO DEPARTMENT ON NATURAL RESOURCES.

7.1 Logan County will work with appropriate local agencies to provide information to the general public about protecting themselves and their property from damages due to invasive species.

49 Nat. Resource Protection SWCD Director 7-1-23 6-30-28 LOC

Priority	Action Type	Lead Agency	Start Date	End Date	Funding				
GOAL 8 LOGAN COUNTY WILL MONITOR ANY CHANGES TO THE COUNTY'S VULNERABILITY TO									
EARTHQUAKE, AND WILL TAKE APPROPRIATE ACTION IF AN EARTHQUAKE BECOMES LIKELY OR OCCURS.									
8.1 Logan	8.1 Logan County will monitor earthquake incidents in the county and near-by counties, and will release								
appropria	te information and warning	s to the public should th	at become necessa	ary.					
50	Property Protection	EMA Director	7-1-23	6-30-28	LOC				
8.2 Logan	County will identify any sig	nificant properties or inf	rastructure that w	ould be vulnera	ble to				
earthquak	ke damage, and will have a	olan to support critical so	ervices if an eartho	juake were to d	amage that				
property o	or infrastructure.								
51	Property Protection	EMA Director	7-1-23	6-30-28	LOC				
8.3 Logan County will encourage residents, landlords, and renters to consider carrying earthquake coverage									
to protect	them from property losses	should an earthquake o	ccur.						
52	Property Protection	EMA Director	7-1-23	6-30-28	LOC				

3.3.2 Belle Center

Belle Center is a small village in the far north central part of Logan County. The village suffers from flooding, mostly flash flooding when rain falls rapidly and lack of effective drainage when ditches are full or clogged. The village can be isolated from county resources because it is small in size. Windstorms and utility outages are concerning, and to some degree they are vulnerable to erosion, mostly due to flooding or lack of soil conservation practices. General storm damage can occur and cause havoc for residents. They have developed the strategies that follow.

Table 3-3: Belle Center Mitigation Goals and Strategie

Priority	Action Type	Lead Agency	Start Date	End Date	Funding		
GOAL 1: BELLE CENTER WILL ENGAGE IN MITIGATION ACTIONS THAT REDUCE THE DAMAGES FROM RIVERINE AND FLASH FLOODING.							
	nter will consider joining NFIP and to prevent future damage		•	n available to	the		
1	Property Protection	Mayor Administrator	7-1-23	6-30-28	LOC		
1.2 Belle Cen	nter will use financial aid for f	ood mitigation through	grants, fees, an	d other specia	al programs.		
2	Prevention	Mayor Administrator	7-1-23	6-30-28	LOC		
1.3 Belle Cen	nter will advocate and suppor	t flood insurance where	required.				
3	Property Protection	Mayor Administrator	7-1-23	6-30-28	LOC		
	iter will maintain and enforce hat encourage sustainable di			ions, and othe	r land use		
4	Property Protection	Mayor Administrator	7-1-23	6-30-28	LOC		
	iter will participate in county irough improved wastewater		rability study to	reduce flood	damages to		
5	Property Protection	Mayor Administrator	7-1-23	6-30-28	LOC		

Priority	Action Type	Lead Agency	Start Date	End Date	Funding
	ter will work to enhance ditch m				ditch cleaning
and maintena	ance between the village and the	•	quate drainage		
6	Property Protection	Mayor Administrator	7-1-23	6-30-28	LOC
1.7 Belle Centroperty from	ter will maintain storm sewers, p n flooding.	oumping stations, wa	iter pumps, and	d other devices	s to protect
7	Property Protection	Mayor Administrator	7-1-23	6-30-28	LOC
1.8 Belle Cen	ter will remove debris and obstr	uctions from ditches	and streams in	the village.	
8	Property Protection	Mayor Administrator	7-1-23	6-30-28	LOC
	ter will require retention and de where surface water may cause		ntain runoff wat	ter in new or e	expansion
9	Structurally Engineered	Mayor Administrator	7-1-23	6-30-28	LOC PDM/HMGP
1.10 Belle Ce	nter will utilize elevation to prot	ect critical infrastruc	ture and prope	rty from flood	ing.
10	Property Protection	Mayor Administrator	7-1-23	6-30-28	LOC PDM
1.11 Belle Ce	nter will assist and collaborate w	vith owners of repea	ted loss proper	ties in using ac	quisition and
relocation gra	ant programs to help them reloc	ate to a less vulneral	ble property.		
11	Prevention	Mayor Administrator	7-1-23	6-30-28	PDM/HMGP
	nter will support efforts to repla protection measures.	ce deteriorated field	tiles and will s	upport conserv	vation tillage
12	Natural Resource Protection	Mayor Administrator	7-1-23	6-30-28	LOC

GOAL 2: BELLE CENTER WILL COMPLETE MITIGATION ACTIONS THAT ENABLE RAPID AND EFFECTIVE COMMUNICATION DURING A DISASTER INCDENT FOR THE PURPOSE OF DIRECTING THE POPULATION TO TAKE PROTECTIVE ACTIONS AND TO FOLLOW OPERATIONAL PROCEDURES.

2.1 Belle Center will advocate and support efforts to improve GIS mapping to include infrastructure and utility services, and to expand the customization capability of software to produce data that is useful in community planning and disaster preparedness for threats against infrastructure.

13 Public Information Mayor 7-1-23 6-30-28 LOC EMPG/HSGP

2.2 Belle Center will advocate and support improvement in parcel location mapping to facilitate locating and responding to emergency and disaster calls in a rapid and effective way, as well as to facilitate the use of mutual aid resources when necessary to assistance to responders and dispatchers.

14 Public Information Mayor 7-1-23 6-30-28 LOC EMPG/HSGP

2.3 Belle Center will develop utilize and maintain a communication plan to include mass media, social media, and direct contact with residents before, during, and after severe weather and other incidents.

15 Public Information Mayor 7-1-23 6-30-28 LOC

2.4 Belle Center will develop a multi-part communication system to notify all residents of protective action orders, warnings and notifications, and other critical lifesaving information related to specific disaster incidents when necessary.

Priority	Action Type	Lead Agency	Start Date	End Date	Funding
16	Public Information	Mayor Administrator	7-1-23	6-30-28	LOC
	iter will develop interoperak ty partners during severe inc	· · · · · · · · · · · · · · · · · · ·	s to coordinate	life-saving effo	orts between
17	Public Information	Mayor Administrator	7-1-23	6-30-28	LOC HSGP/EMPG

GOAL 3: BELLE CENTER WILL EMPLOY MITIGATION ACTIONS TO REDUCE THE DAMAGES INCURRED FROM WIND AND SEVERE WIND STORMS THAT INCLUDE STRAIGHT LINE WINDS AND TORNADOES.

3.1 Belle Center will advocate for proper trimming of trees and vegetation to reduce damages caused by
wind, especially where trees are infected with disease like Emerald Ash Borer.
Mayor

18	Property Protection	iviayoi	7-1-23	6-30-28	IOC
10	Property Protection	Administrator	7-1-23	0-30-28	LUC

3.2 Belle Center will implement a program to clear areas of crop debris and other debris after storms to keep obstructions out of storm sewers and culverts.

19 Property Protection	Administrator	7-1-23	6-30-28	LOC
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3.3 Belle Center will support the construction of safe rooms for single and multi-family homes without basements or other shelters.

20	Property Protection	Mayor	7-1-23	6-30-28	LOC
20	Property Protection	Administrator	7-1-25	0-30-26	PDM

3.4 Belle Center will identify and establish locations to be used as community centers during extended power outages or extreme conditions.

21	Public Information	Mayor	7-1-23	6-30-28	100
21	Public Illioilliation	Administrator	7-1-23	0-30-28	LUC

GOAL 4: BELLE CENTER WILL EMPLOY MITIGATION ACTIONS THAT REDUCE DAMAGES FROM UTILITY OUTAGES AND SUPPLY SHORTAGES.

4.1 Belle Center will identify and establish alternate heating fuels, potable water suppliers, alternate power sources and other critical supplies necessary for sustaining life, business, and safety during power outages or if outages occur due to earthquake and resulting damage to distribution systems.

22	Dravantian	Mayor	6 20 20	PDM	
23	Prevention	Administrator	7-1-23	6-30-28	HMGP

GOAL 5: BELLE CENTER WILL ENGAGE IN MITIGATION ACTIONS THAT REDUCE THE EROSION OF TOPSOIL AND INFRASTRUCTURE DUE TO RAPID RUNOFF, LAND USE, OR HUMAN CAUSED INCIDENTS.

5.1 Belle Center will protect roadways vulnerable to compromised structural integrity, damaged berms, washed away foundations or abutments, or other deterioration due to extreme runoff or highly vulnerable soil types.

24 Property Protection	Mayor Administrator	7-1-23	6-30-28	LOC	
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GOAL 6: BELLE CENTER WILL CONDUCT MITIGATION ACTIONS TO REDUCE THE VULNERABILITY OF ITS POPULATION TO DAMAGES AND CASUALTY DUE TO ALL TYPES OF DISASTERS AND SEVERE STORMS

6.1 Belle Center will maintain and improve hardware, software, and capital equipment (outdoor warning sirens) used to deliver warnings and notifications of severe weather and other hazards.

Priority	Action Type	Lead Agency	Start Date	End Date	Funding		
25	Public Information	Mayor Administrator	7-1-23	6-30-28	LOC HSGP/EMPG		
6.2 Belle Center will educate the public about local digital warning and notification systems like reverse calling, weather radios, warning sirens, and digital resources that inform them of incoming life-threatening storms or emergency incidents.							
26	Public Information	Mayor Administrator	7-1-23	6-30-28	LOC		
6.3 Belle Cen	6.3 Belle Center will remove dead or diseased trees along waterways and in the public domain.						
27	Property Protection	Mayor Administrator	7-1-23	6-30-28	LOC		
6.4 Belle Center will establish water conservation procedures to be implemented during water emergencies due to drought or contamination.							
28	Natural Resource Protection	Mayor Administrator	7-1-23	6-30-28	LOC		
6.5 Belle Cen conditions.	ter will improve capacity to rapid	dly place temporary v	warning signs tl	nat indicate da	ingerous road		
29	Prevention	Mayor Administrator	7-1-23	6-30-28	LOC		

3.3.3 Bellefontaine

Bellefontaine is the county seat of Logan County, and the only city in the county. It is centrally located on some of the highest elevations in not only Logan County, but the entire state of Ohio. Therefore, it is vulnerable to wind damage, including both straight-line and rotational winds, and that was determined to be the most significant threat. The city is slightly hilly, and therefore is vulnerable to some flash flooding in low spots, although residents did not rank floods as any of their top concerns. They do experience flash flooding when rain comes fast and for an extended time period. This affects mostly streets, parking lots, and low-lying areas where the precipitation cannot drain away as fast as it comes. The city endures great difficulty during power outages due to storms because business and industry as well as retail businesses must close, and start up afterwards is not instantaneous. Shut downs are economically expensive and disruptive, oftentimes requiring a lengthy time period to re-start. Communication with the public can be challenging because many residents work at automotive plants outside the county, and because communication systems are not all interoperable or common. There are locations in the community that are not adequately covered by digital infrastructure. The rolling topography in some areas makes rapid runoff damaging as it erodes berms and undercuts foundations and roads. Additional highways, widened existing roadways, and large paved areas have increased the runoff amounts, and therefore some flash flooding and additional washouts of berms, culverts, and other infrastructure is not uncommon. There have been some land subsidence issues develop recently, including deterioration of ditch banks and widening of the ditch as soils erode away, and the development of some sink holes in the northeast part of the city. There is suspected karst inside city limits, but this area has not been verified or field visited to date. They also considered the impact of invasive species on the welllandscaped properties and land, dam failure because they own a dam located in the city, and drought and extreme temperatures due to an elderly and vulnerable population segment.

	Table 3-4:	Bellefontaine	Mitigation	Goals an	d Strategies
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Priority	Action Type	Lead Agency	Start Date	End Date	Funding		
	BELLEFONTAINE WILL EMPL VINDSTORMS, INCLUDING V				RED FROM		
1.1 Bellefontaine will advocate proper trimming of trees and vegetation to reduce damages caused by wind, especially where trees are infected with disease like Emerald Ash Borer.							
1	Nat. Resource Protection	City Engineer	7-1-23	6-30-28	LOC		
1.2 Bellefontaine will support the construction of safe rooms for single and multi-family homes without basements or shelters.							
2	Property Protection	Safety Service Dir.	7-1-23	6-30-28	LOC PDM BRIC		
1.3 Bellefontaine will implement a program to clear areas of debris after severe wind and flooding to keep culverts and storm sewers free-running and clear.							
3	Prevention	City Engineer	7-1-23	6-30-28	LOC		
1.4 Bellefontaine will encourage damage resistant building materials and construction techniques so structures are as resistant as possible to wind damage.							
		City Engineer	7-1-23	6-30-28	LOC		

GOAL 2: BELLEFONTAINE WILL EMPLOY MITIGATION ACTIONS THAT REDUCE DAMAGES FROM UTILITY OUTAGES AND SUPPLY SHORTAGES.

2.1 Bellefontaine will encourage the hardening of utilities through installation below grade, improvements to supply line and generations plants, and upgrade of poles, substations and transformers.
 Property Protection City Engineer 7-1-23 6-30-28 LOC
 2.2 Bellefontaine will identify and establish alternate heating fuels, potable water suppliers, alternate power sources, shelters, comfort stations, and other crucial facilities and supplies necessary for sustaining life,

6 Property Protection City Engineer 7-1-23 6-30-28 LOC
HSGP/EMPG

business, and safety during extended power outages, with emphasis upon continuity for critical operations.

GOAL 3: BELLEFONTAINE WILL COMPLETE MITIGATION ACTIONS THAT ENABLE RAPID AND EFECTIVE COMMUNICATION DURING A DISASTER INCIDENT FOR THE PURPOSE OF DIRECTING THE POPULATION TO TAKE PROTECTIVE ACTIONS AND TO FOLLOW OPERATIONSAL PROCEDURES AS WELL AS ENABLE RESPONDERS TO COMMUNICATE WITH ONE ANOTHER.

3.1 Bellefontaine will develop a multi-part communication system to notify all residents of protective action orders, warnings and notifications, and other critical lifesaving information related to specific disaster incidents when necessary.

1 Public Information

1 Safety Service Dir.

1 7-1-23

2 6-30-28

3 Bellefontaine will develop a multi-part communication system to notify all residents of protective action orders, warnings and notifications, and other critical lifesaving information related to specific disaster incidents when necessary.

5 Public Information

5 Safety Service Dir.

7 Public Information

6 Safety Service Dir.

7 Public Information

3.2 Bellefontaine will develop interoperable communication plans to coordinate life-saving efforts between all community partners during severe incidents.

Priority	Action Type	Lead Agency	Start Date	End Date	Funding
8	Public Information	Safety Service Dir.	7-1-23	6-30-28	LOC HSGP/EMPO
services,	fontaine will educate the pu vulnerable populations, avairanted information and other	nilable assistance, and emer			
9	Public Information	Safety Service Dir.	7-1-23	6-30-28	LOC HSGP/EMP
	fontaine will develop, utilize and direct contact before, du		cation plan to inc	clude mass me	dia, social
10	Public Information	Safety Service Dir.	7-1-23	6-30-28	LOC EMGP/HSG
emerger	fontaine will work to improvincy and disaster calls in a rappry, as assistance to responde	oid and effective way, as we			
11	Public Information	City Engineer	7-1-23	6-30-28	LOC
	fontaine will improve GIS mation capability of software	• • •			expand the
12	Public Information	City Engineer	7-1-23	6-30-28	LOC
3.7 Belle	fontaine will work to develo	p enhanced methods of cro	oss-discipline and	d interjurisdict	ional planning
	o create whole community e	efforts to improve communi	ities and expand	disaster resilie	ence.
efforts to					

GOAL 4: BELLEFONTAINE WILL ENGAGE MITIGATION ACTIONS THAT REDUCE THE DAMAGES FROM FLOODING, WITH AN EMPHASIS UPON FLASH FLOODING AND SEVERE EROSION OR LAND SUBSIDENCE AS A RESULT OF RAPID SURFACE DRAINAGE OR FLOODING.

4.4.0.11	Information all contracts MEID to		and the second		
	lefontaine will maintain NFIP pa				
_	ularly review flood maps to ens	sure implementation of flo	oodplain regul	ations and impr	ovement
strateg					
14	Property Protection	Mayor	7-1-23	6-30-28	LOC
4.2 Bell	lefontaine will advocate and su	pport flood insurance who	ere required b	y adopted feder	al flood maps.
15	Property Protection	Safety Service Dir.	7-1-23	6-30-28	LOC
4.3 Bell	lefontaine will use financial aid	for flood mitigation throu	igh grants, fee	s, and other spe	cial programs.
16	Prevention	Safety Service Dir.	7-1-23	6-30-28	LOC
4.4 Bell	lefontaine will adopt new and r	naintain existing local bui	lding codes, zo	ning regulations	s, and other
land us	e regulations that encourage su	ustainable disaster resista	nt structures i	n all areas.	
17	Prevention	City Engineer	7-1-23	6-30-28	LOC
4.5 Bell	efontaine will maintain, replace	e, or add storm sewers, w	astewater pur	nping stations, v	vater pumps,
and oth	ner devices or structures to pro	tect property from floodii	ng and to lesse	n flash flooding	
18	Property Protection	City Engineer	7-1-23	12-31=22	LOC Other
4.6 Bell	lefontaine will remove debris a	nd obstructions from wat	erways to facil	itate drainage.	
19	Property Protection	City Engineer	7-1-23	6-30-28	LOC
4.7 Bell	lefontaine will make improvem	ent to roads and infrastru	cture including	g increases in siz	e of bridge
spans a	and culverts, repair of shoulders	and berms, maintenance	e of bridge slop	es and protection	on of roadways
	orms and flood damage, to enh				
	ing storms.				
20	Property Protection	City Engineer	7-1-23	6-30-28	LOC

	Action Type	Lead Agency	Start Date	End Date	Funding
4.8 Bell	efontaine will require retention	n and detention ponds to	contain runoff w	ater in new de	evelopment o
expansi	on where surface runoff may c	ause flooding.			
					LOC
21	Structurally Engineered	City Engineer	7-1-23	6-30-28	PDM
					BRIC
4.9 Bell	efontaine will utilize elevation	to protect critical infrastr	ucture and prope	erty from flood	ding.
					LOC
22	Property Protection	City Engineer	7-1-23	6-30-28	PDM
					BRIC
4.10 Be	llefontaine will help study cour	ntywide storm water vuln	erability to reduc	ce flood dama	ges to
propert	ies due to flooding through im	provement to wastewate	r systems and wa	astewater mar	nagement to
prevent	downstream flooding.				
23	Property Protection	City Engineer	7-1-23	6-30-28	LOC
4.11 Be	llefontaine will remove debris	fallen trees and excess se	diment from wat	terways to imp	rove their
conditio	on.				
24	Property Protection	City Engineer	7-1-23	6-30-28	LOC
 	rroperty rrotection	City Lingilieer	7-1-23	0-30-20	ICC
	llefontaine will study the likelih				determine
how it v emerge	vould affect critical resources, ncy action plan for the facility.	key facilities, other city p	roperty and resid	lents by devel	determine oping an
how it v emerge 25	vould affect critical resources, ncy action plan for the facility. Property Protection	key facilities, other city p Safety Service Dir.	roperty and resid	dents by develo	determine oping an
how it v emerge 25 4.13 Be	vould affect critical resources, ncy action plan for the facility. Property Protection llefontaine will implement imp	Safety Service Dir.	7-1-23 tenance to facility	dents by develoned 6-30-28 detection the natura	determine oping an LOC I drainage of
how it very emerge 25 4.13 Be storm w	vould affect critical resources, ncy action plan for the facility. Property Protection Ilefontaine will implement importer and to identify damages to	Safety Service Dir. rovements to ditch maint to streams and ditches su	7-1-23 tenance to facility ch as sedimentat	6-30-28 ate the naturation and erosic	determine oping an LOC I drainage of on.
how it verge 25 4.13 Be storm w	vould affect critical resources, ncy action plan for the facility. Property Protection llefontaine will implement imp vater and to identify damages t Natural Resource Protection	Safety Service Dir. rovements to ditch maint to streams and ditches su City Engineer	7-1-23 tenance to facility ch as sedimentat 7-1-23	6-30-28 ate the natura tion and erosic 6-30-28	determine oping an LOC I drainage of on. LOC
how it vermerge 25 4.13 Be storm w 26 4.14 Be	vould affect critical resources, ncy action plan for the facility. Property Protection Ilefontaine will implement implyater and to identify damages to Natural Resource Protection Ilefontaine will properly maintaine	Safety Service Dir. rovements to ditch maint to streams and ditches su City Engineer ain Applewood Ridge Lake	7-1-23 tenance to facility ch as sedimentat 7-1-23	6-30-28 ate the natura tion and erosic 6-30-28	determine oping an LOC I drainage of on. LOC
how it vermenge 25 4.13 Be storm w 26 4.14 Be structur	would affect critical resources, ncy action plan for the facility. Property Protection Ilefontaine will implement importer and to identify damages to Natural Resource Protection Ilefontaine will properly maintaine and fooding due to protection.	Safety Service Dir. rovements to ditch maint to streams and ditches su City Engineer ain Applewood Ridge Lake	7-1-23 tenance to facility ch as sedimentat 7-1-23	6-30-28 ate the natura tion and erosic 6-30-28	determine oping an LOC I drainage of on. LOC
now it vermerge 25 4.13 Be storm w 26 4.14 Be structur 27	would affect critical resources, ncy action plan for the facility. Property Protection Illefontaine will implement imply ater and to identify damages to Natural Resource Protection Illefontaine will properly maintainal failure and flooding due to property Protection	Safety Service Dir. rovements to ditch maint to streams and ditches su City Engineer ain Applewood Ridge Lake boor maintenance. City Engineer	7-1-23 tenance to facility ch as sedimentat 7-1-23 e #1 Dam to lesse 7-1-23	6-30-28 ate the natura tion and erosic 6-30-28 en the likelihoo	determine oping an LOC I drainage of on. LOC od of LOC
how it very merge 25 4.13 Be storm we 26 4.14 Be structure 27 4.15 Be	would affect critical resources, ncy action plan for the facility. Property Protection Ilefontaine will implement importer and to identify damages to Natural Resource Protection Ilefontaine will properly maintaine and fooding due to protection.	Safety Service Dir. rovements to ditch maint to streams and ditches su City Engineer ain Applewood Ridge Lake boor maintenance. City Engineer molish properties that flo	7-1-23 tenance to facility ch as sedimentat 7-1-23 e #1 Dam to lesse 7-1-23 od repeatedly to	6-30-28 ate the natura tion and erosic 6-30-28 en the likelihoo 6-30-28 relocate resid	LOC LOC od of LOC lents out of
how it very merge 25 4.13 Be storm we 26 4.14 Be structure 27 4.15 Be	would affect critical resources, ncy action plan for the facility. Property Protection Illefontaine will implement imply ater and to identify damages to Natural Resource Protection Illefontaine will properly maintaine failure and flooding due to purpoperty Protection Illefontaine will acquire and der	Safety Service Dir. rovements to ditch maint to streams and ditches su City Engineer ain Applewood Ridge Lake boor maintenance. City Engineer molish properties that flo	7-1-23 tenance to facility ch as sedimentat 7-1-23 e #1 Dam to lesse 7-1-23 od repeatedly to	6-30-28 ate the natura tion and erosic 6-30-28 en the likelihoo 6-30-28 relocate resid	LOC
how it very merge 25 4.13 Be storm we 26 4.14 Be structure 27 4.15 Be	would affect critical resources, ncy action plan for the facility. Property Protection Illefontaine will implement imply ater and to identify damages to Natural Resource Protection Illefontaine will properly maintaine failure and flooding due to purpoperty Protection Illefontaine will acquire and der	Safety Service Dir. rovements to ditch maint to streams and ditches su City Engineer ain Applewood Ridge Lake boor maintenance. City Engineer molish properties that flo	7-1-23 tenance to facility ch as sedimentat 7-1-23 e #1 Dam to lesse 7-1-23 od repeatedly to	6-30-28 ate the natura tion and erosic 6-30-28 en the likelihoo 6-30-28 relocate resid	LOC I drainage of on. LOC od of LOC lents out of etuity. LOC
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how it very marked to the control of	would affect critical resources, ncy action plan for the facility. Property Protection Illefontaine will implement imply atter and to identify damages to Natural Resource Protection Illefontaine will properly maintained failure and flooding due to property Protection Illefontaine will acquire and decided according to the property Protection Illefontaine will acquire and decided according to the process areas, and to restore the process according to the process accord	Safety Service Dir. rovements to ditch maint to streams and ditches su City Engineer ain Applewood Ridge Lake boor maintenance. City Engineer molish properties that flo	7-1-23 tenance to facilition 7-1-23 e #1 Dam to lesse 7-1-23 od repeatedly to the maintained as se	6-30-28 ate the naturation and erosice 6-30-28 en the likelihood 6-30-28 relocate residenth perpension	determine oping an LOC I drainage of on. LOC od of LOC lents out of etuity. LOC PDM/HMG BRIC
how it very memory of the storm was tructured and the structured and t	would affect critical resources, ncy action plan for the facility. Property Protection Illefontaine will implement imply atter and to identify damages to Natural Resource Protection Illefontaine will properly maintained failure and flooding due to property Protection Illefontaine will acquire and decided according to the property Protection Illefontaine will acquire and decided according to the process areas, and to restore the process according to the process accord	Safety Service Dir. rovements to ditch maint to streams and ditches su City Engineer ain Applewood Ridge Lake boor maintenance. City Engineer molish properties that flo	7-1-23 tenance to facilition 7-1-23 e #1 Dam to lesse 7-1-23 od repeatedly to the maintained as se	6-30-28 ate the naturation and erosice 6-30-28 en the likelihood 6-30-28 relocate residenth perpension	determine oping an LOC I drainage of on. LOC od of LOC ents out of etuity. LOC PDM/HMG BRIC FMA/SRL
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how it very memory of the storm was tructured and the structured and t	would affect critical resources, ncy action plan for the facility. Property Protection Illefontaine will implement imply atter and to identify damages to Natural Resource Protection Illefontaine will properly maintained failure and flooding due to property Protection Illefontaine will acquire and decided according to the property Protection Illefontaine will acquire and decided according to the process areas, and to restore the process according to the process accord	Safety Service Dir. rovements to ditch maint to streams and ditches su City Engineer ain Applewood Ridge Lake boor maintenance. City Engineer molish properties that flo operty to a natural habitar City Engineer	7-1-23 tenance to facility ch as sedimentat 7-1-23 e #1 Dam to lesse 7-1-23 od repeatedly to t maintained as s 7-1-23	6-30-28 ate the naturation and erosic 6-30-28 en the likelihood 6-30-28 relocate residuch into perpendicular	LOC I drainage of on. LOC od of LOC lents out of etuity. LOC PDM/HMG BRIC FMA/SRL CDBG

GOAL 5: BELLEFONTAINE WILL CONDUCT MITIGATION ACTIONS TO REDUCE THE VULNERABILITY OF ITS POPULATION TO DAMAGES AND CASUALTY DUE TO ALL TYPES OF DISASTERS AND SEVERE STORMS.

	ellefontaine will maintain and s) used to deliver warnings and		* · · · · · · · · · · · · · · · · · · ·		door warning
30	Public Information	Safety Service Dir.	7-1-23	6-30-28	HSGP/EMPG PDM BBIC

Priority	Action Type	Lead Agency	Start Date	End Date	Funding
5.2 Bello	efontaine will educate the public	about local digital warr	ning and notificat	tion systems li	ke reverse
calling,	weather radios, warning sirens, a	and digital resources tha	at inform them o	f incoming life	-threatening
storms	or emergency incidents.				
31	Public Information	Safety Service Dir.	7-1-23	6-30-28	LOC HSGP/EMPG
5.3 Bello	efontaine will implement a progr	am to identify and remo	ove dead or dise	ased trees alo	· · · · · · · · · · · · · · · · · · ·
	he public domain.	,			,
32	Property Protection	City Engineer	7-1-23	6-30-28	LOC
5.4 Bell	efontaine will establish water cor	nservation procedures t	o be implemente	ed during a wa	iter
emerge	ncy or drought.				
33	Natural Resource Protection	City Engineer	7-1-23	6-30-28	LOC
5.5 Bellefontaine will improve capacity to protect and preserve historical sites, cemeteries, and other					
facilities	s and structures of cultural or his	torical significance from	n damages due to	storms.	
34	Prevention	Safety Service Dir.	7-1-23	6-30-28	LOC

GOAL 6: BELLEFONTAINE WILL ENGAGE MITIGATION ACTIONS THAT REDUCE THE EROSION OF TOPSOIL AND INFRASTRUCTURE DUE TO RAPID RUNOFF, LAND USE, OR HUMAN CAUSED INCIDENTS.

- 6.1 Bellefontaine will protect roadways vulnerable to compromised structural integrity, damaged berms, washed away foundation or abutments, or other deterioration due to extreme runoff or highly vulnerable soil types, and will be able to mark these quickly and effectively after storms.
- Natural Resource Protection City Engineer 7-1-23 6-30-28 LOC
- 6.2 Bellefontaine will protect waterways and embankments and slopes by reducing erosion and sedimentation through conservation measures such as use of cover plants, grassy waterways, filter strips, and buffers.
- 36 Natural Resource Protection City Engineer 7-1-23 6-30-28 LOC
- 6.3 Bellefontaine will protect open areas and parks from wind erosion through use of windbreaks, buffers, tree lines, and other vegetation to protect topsoil during high wind events and after heavy precipitation.
 Natural Resource Protection Park Superintendent 7-1-23 6-30-28 LOC

GOAL 7 THE CITY OF BELLEFONTAINE WILL ASSESS ITS VULNERABILITY TO EARTHQUAKES, TAKING INTO CONSIDERATION THE BUILDINGS AND INFRASTRUCTURE AT RISK.

7.1 Bellefontaine will assess its vulnerability to earthquake damages by identifying any critical facilities or key resources that may be negatively affected by an earthquake of a 5.0 magnitude or higher.

38 Property Protection City Administrator 7-1-23 6-30-28 LOC

3.3.4 DeGraff

This small village sits in the southwest corner of Logan County, and many residents work in area factories and industries. It is vulnerable to flooding and wind, and can become isolated from the rest of the county due to distance and priorities based upon population. This self-sufficient community has developed and ranked the strategies that follow, prioritizing water and wind as the most destructive forces.

Table 3-5: DeGraff Mitigation Goals and Strategies

Priority Action Typ	Lead Agency	Start Date	End Date	Funding
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GOAL 1: DEGRAFF WILL ENGAGE IN MITIGATION ACTIONS THAT REDUCE THE DAMAGES FROM RIVERINE AND FLASH FLOODING.

Priority	y Action Type	Lead Agency	Start Date	End Date	Funding
1.1 De0	Graff will maintain NFIP participati	on so property owners	have access to f	lood insurance	e, and will
regular	ly review flood maps to ensure im	plementation of flood	plain regulations	and improven	nent
strategi	ies.				
1	Prevention	Mayor	7-1-23	6-30-28	LOC
1.2 De	Graff will advocate and support flo	od insurance where re	quired.		
2	Property Protection	Mayor	7-1-23	6-30-28	LOC
1.3 De	Graff will maintain existing local bu	uilding codes, zoning re	egulations, and o	ther land use i	regulations
that en	courage sustainable disaster resis	tant structures in all ar	eas.		
3	Property Protection	Mayor	7-1-23	6-30-28	LOC
1.4 De	Graff will use financial aid for flood	d mitigation through gr	ants, fees, and o	ther special pr	
					LOC
4	Prevention	Mayor	7-1-23	6-30-28	PDM/FMA
•	revention	Mayor	7 1 23	0 30 20	BRIC
					LINACD
					HMGP
	Graff will advocate for removal of aintenance.	debris, fallen diseased	trees, and excess	s sediment and	
river m		debris, fallen diseased Mayor	trees, and excess	s sediment and	
river mass 5 1.6 Dec	aintenance.	Mayor storm sewers, wastew	7-1-23 rater pumping sta	6-30-28 ations, water p	LOC
river mass 5 1.6 Dec	aintenance. Natural Resource Protection Graff will maintain, replace or add	Mayor storm sewers, wastew	7-1-23 rater pumping sta	6-30-28 ations, water p	LOC
1.6 Decoorder d 6 1.7 Decopump s	aintenance. Natural Resource Protection Graff will maintain, replace or add levices or structures to protect pro	Mayor storm sewers, wastew operty from flooding ar Mayor ture and key resources	7-1-23 rater pumping stand to cause less for the ca	6-30-28 ations, water practical flooding. 6-30-28 ages, including	LOC ICC Dumps, and LOC ICC ICC ICC ICC ICC ICC ICC ICC ICC I
1.6 Decoorder d 6 1.7 Decopump s	aintenance. Natural Resource Protection Graff will maintain, replace or add levices or structures to protect pro Property Protection Graff will protect critical infrastructations, through elevation, relocations.	Mayor storm sewers, wastew operty from flooding ar Mayor ture and key resources	7-1-23 rater pumping stand to cause less for the ca	6-30-28 ations, water practical flooding. 6-30-28 ages, including	LOC ICC Dumps, and LOC ICC ICC ICC ICC ICC ICC ICC ICC ICC I
1.6 Deco other d 6 1.7 Deco pump s sizes to	Anintenance. Natural Resource Protection Graff will maintain, replace or add levices or structures to protect protection Property Protection Graff will protect critical infrastructations, through elevation, relocation protect the same.	Mayor storm sewers, wastew operty from flooding ar Mayor ture and key resources tion, or other means, a	7-1-23 rater pumping stand to cause less for the ca	6-30-28 ations, water particularly defined and seed and s	LOC ICC ICC ICC ICC ICC ICC ICC ICC ICC I
river m. 5 1.6 Dec other d 6 1.7 Dec pump s	aintenance. Natural Resource Protection Graff will maintain, replace or add levices or structures to protect pro Property Protection Graff will protect critical infrastructations, through elevation, relocations.	Mayor storm sewers, wastew operty from flooding ar Mayor ture and key resources	7-1-23 rater pumping stand to cause less for the ca	6-30-28 ations, water practical flooding. 6-30-28 ages, including	LOC ICC ICC ICC ICC ICC ICC ICC ICC ICC I

GOAL 2: DEGRAFF WILL EMPLOY MITIGATION ACTIONS TO REDUCE THE DAMAGES FROM SEVERE WIND STORMS THAT INCLUDE WIND, STRAIGHT LINE WINDS AND TORNADOES.

2.1 DeGraff will advocate proper trimming of trees and vegetation to include damages caused by wind, especially where trees are infected with disease like Emerald Ash Borer.

8 Property Protection Mayor 7-1-23 6-30-28 LOC

2.2 DeGraff will support the construction of safe rooms by property owners for single and multi-family homes without basements or shelters, and the development of local shelters for residents who are evacuated.

9 Property Protection Mayor 7-1-23 6-30-28 PDM BRIC

GOAL 3: DEGRAFF WILL CONUCT MITIGATION ACTIONS TO REDUCE THE VULNERABILITY OF ITS POPULATION TO DAMAGES AND CASUALTY DUE TO ALL TYPES OF DISASTERS AND SEVERE STORMS.

3.1 DeGraff educate the public about local digital warning and notification systems like reverse calling, weather radios, warning sirens, and digital resources that inform them of incoming life-threatening storms or emergency incidents.

Priority	Action Type	Lead Agency	Start Date	End Date	Funding		
10	Public Information	Mayor	7-1-23	6-30-28	LOC HSGP/EMPG		
	3.2 DeGraff will maintain and improve hardware, software and capital equipment (outdoor warning sirens) used to deliver warnings and notifications.						
11	Public Information	Mayor	7-1-23	6-30-28	LOC HSGP/EMPG		

GOAL 4: DEGRAFF WILL CONDUCT MITIGATION ACTIONS THAT ENABLE RAPID AND EFFECTIVE COMMUNICATION DURING A DISASTER FOR THE PURPOSE OF DIRECTING THE POPULATION TO TAKE PROTECTIVE ACTION AND FOLLOW OPERATIONAL PROCEDURES.

- 4.1 DeGraff will develop a multi-part communication system to notify all residents of protective action orders, warnings and notification, comfort stations and shelters, and other critical lifesaving information.
- **Public Information** Mayor 4.2 DeGraff will develop interoperable communication plans to coordinate life-saving efforts between all community partners during severe incidents.
- **Public Information** 7-1-23 6-30-28 Mayor
- 4.3 DeGraff will educate the public about local disaster hazards, vulnerabilities, protective actions, services, vulnerable populations, available assistance and emergency procedures using mass and social media, printed information and other options.
- **Public Information** 14 7-1-23 6-30-28 LOC Mayor
- 4.4 DeGraff will develop, utilize, and maintain a communication plan to include mass media, social media, and director contact with residents before, during and after incidents.
- **Public Information** 15 Mayor 7-1-23 6-30-28 LOC

GOAL 5: DEGRAFF WILL ENGAGE IN MITIGATION ACTIONS TO REDUCE THE EROSION OF TOPSOIL DUE TO FLOODING, WIND, LAND USE OR HUMAN-CAUSED INCIDENTS.

- 5.1 DeGraff will protect roadways vulnerable to compromised structural integrity, damaged berms, washed away foundations or abutments, or other deterioration due to extreme runoff or specific highly vulnerable soil types.
- 7-1-23 **Property Protection** Mayor GOAL 6: DEGRAFF WILL ASSESS ITS VULNERABILTIY TO EARTHQUAKES, TAKING INTO CONSIDERATION THE HISTORY OF INCIDENT SEVERITY AND THE BUILDINGS OR INFRASTRUCTURE AT RISK.

6-30-28

- 6.1 DeGraff will assess its vulnerability to earthquake damages by identifying any critical facilities or key resources that may be negatively affected by an earthquake of 5.0 magnitude or higher.
- **Property Protection** 7-1-23 6-30-28 LOC 17 Mayor

3.3.5 Huntsville

16

This village is located northwest of Bellefontaine in the north central part of Logan County. As a small rural community, it can get isolated from resources and overlooked because of its small size. The village is prone to damage from wind and flooding, and preparedness in general is very important. In an effort to protect its residents and properties, they have developed the mitigation strategies that follow.

Table 3-6: Huntsville Mitigation Goals and Strategies

Priority	Action Type	Lead Agency	Start Date	End Date	Funding
	HUNTSVILLE WILL EMPLOY M				
	WIND STORMS THAT INCLUDE sville will advocate proper trim				
	ly where trees are infected with	· · ·		ice damages c	dused by Willa,
1	Property Protection	Mayor	7-1-23	6-30-28	LOC
1.2 Hunt	sville will support the construc				
	nts or shelters.		_	•	
2	Property Protection	Mayor	7-1-23	6-30-28	LOC
					PDM
	sville will encourage damage-r	esistant building mate	rials and techn	iques so struc	ctures are as
	t as possible to wind damage.		7.4.00	6 00 00	100
3	Property Protection	Mayor	7-1-23	6-30-28	LOC
GOAL 2:	HUNTSVILLE WILL ENGAGE IN	MITIGATION ACTION	S THAT REDUC	E DAMAGES F	ROM FLOODING.
	csville will consider joining NFIP		•	tion available	to the community
	revent future damages through				
4	Property Protection	Mayor	7-1-23	6-30-28	LOC
	sville will advocate and suppor		•	6 22 22	100
5 2.2 Hund	Property Protection	Mayor	7-1-23	6-30-28	LOC
	sville will maintain existing loca ourage sustainable disaster-res			and other ian	id use regulations
			areas.		LOC
6	Property Protection	Mayor	7-1-23	6-30-28	ICC
2.4 Hunt	sville will use financial aid for f	lood mitigation throug	gh grants, fees,	and other spe	
7			7-1-23	6-30-28	LOC
	Property Protection	Mayor			PDM
	sville will participate in county		erability study	to improve w	astewater systems
	I tiling practices to limit damage				
8	Property Protection	Mayor	7-1-23	6-30-28	LOC
2.6 Hunt	sville will maintain, replace, or	add storm sawars wa	stowater num	oing stations	ICC
	evices or structures to protect p				
9	Property Protection	Mayor		_	LOC
	. ,	,	7-1-23	6-30-28	ICC
2.7 Hunt	sville will remove debris and o	bstructions from ditch	es and streams	5.	
10	Natural Resource Protection	Mayor	7-1-23	6-30-28	LOC
	sville will utilize elevation to pr	otect critical infrastru	cture and prop	erty from floo	oding.
11	Property Protection	Mayor	7-1-23	6-30-28	LOC
					PDM
	HUNTSVILLE WILL EMPLOY MES AND SUPPLY SHORTAGES.	ITIGATION ACTIONS T	HAT REDUCE D	AMAGES FRO	OM UTILITY
		ning of utilities through	h installation h	olow grada :	marayamantata
	sville will encourage the harde nes and generation plants, and	-		_	inprovements to
		upgrade or poles, sub			LOC
12	Property Protection	Mayor	7-1-23	6-30-28	ICC
					.00

Priority	Action Type	Lead Agency	Start Date	End Date	Funding
3.2 Hunt	tsville will identify and establ	sh alternate heating	fuels, potable wat	er suppliers, a	alternate power
sources, and other critical supplies necessary for sustaining life, business, and safety during power outages.					
13	Property Protection	Mayor	7-1-23	6-30-28	LOC

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

4.1 Huntsville 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.

					LOC
16	Public Information	Fire Chief	7-1-23	6-30-28	HSGP
					EMPG

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

17	Public Information	Fire Chief	7-1-23	6-30-28	LOC
17	rubile illioilliation	The Chief	7-1-23	0-30-28	HSGP/EMPG

GOAL 5: HUNTSVILLE WILL COMPLETE MITIGATION ACTIONS THAT ENABLE RAPID AND EFFECTIVE COMMUNICATION DURING A DISASTER INCIDENT FOR THE PURPOSE OF DIRECTING THE POPULATION TO TAKE PROTECTIVE ACTION AND FOLLOW OPERATIONAL PROCEDURES.

5.1 Huntsville 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.

18 Public Information Fire Chief 7-1-23	6-30-28	LOC HSGP/EMPG
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5.2 Huntsville will develop interoperable communication plans to coordinate life-saving efforts between all community partners during severe incidents.

19 Public Information Fire Chief 7-1-23 6-30-28 LOC

5.3 Huntsville will develop, utilize and maintain a communication plan to include mass media, social media, and direct contact with residents before, during and after incidents.

20 Public Information Fire Chief 7-1-23 6-30-28 LOC

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

6.1 Huntsville will protect roadways vulnerable to compromised structural integrity, damaged berms, washed away foundation or abutments, or other deterioration due to extreme runoff or highly vulnerable soil types.

21 Property Protection Mayor 7-1-23 6-30-28 LOC

3.3.6 Lakeview

Lakeview sits in the far northwest of Logan County on the western shore of Indian Lake. It is a tourist area during warmer months, bringing thousands of tourists to the area to enjoy the recreation opportunities. The community is vulnerable to flooding, heavy rain, and severe winter storms as well as power outages. The population grows considerably during warmer months at the same time of year as severe storms are on the increase. The Indian Lake Dam is

just south of Lakeview on Indian Lake, located in Washington Township; the lake is a recreational lake that grows in population during the warm months of the year, but is modestly populated during the winter months. There is reasonable concern over the dam and the risk of dam failure, but Lakeview has no authority or responsibility for the dam. Lakeview is concerned about public information as a transient population brings difficulty in notifying them of impending severe weather. The village is governed by a council and mayor. The mayor will lead mitigation efforts.

Table 3-7: Lakeview Mitigation Goals and Strategies						
Priority	Action Type	Lead Agency	Start Date	End Date	Funding	
GOAL 1:	LAKEVIEW WILL ENGAGE IN M	ITIGATION ACTIONS 1	THAT REDUCE	DAMAGES FR	ROM FLOODING.	
	view will maintain NFIP particip review flood maps to ensure in es.					
1	Property Protection	Mayor Zoning Inspector	7-1-23	6-30-28	PDM/FMA BRIC LOC	
1.2 Lake	view will advocate and support	flood insurance where	e required.			
2	Property Protection	Mayor	7-1-23	6-30-28	LOC	
	view will maintain existing local ourage sustainable disaster-res	istant structures.	g regulations, a	and other lan	d use regulations	
3	Prevention	Mayor Zoning Inspector	7-1-23	6-30-28	LOC	
1.4 Lake	view will use financial aid for flo	ood mitigation through	n grants, fees, a	and other spe		
4	Prevention	Mayor Administrator	7-1-23	6-30-28	LOC PDM/FMA BRIC	
	view will advocate removal of driver maintenance.	ebris, fallen diseased	trees, and exce	ess sediment		
5	Nat. Resource Protection	Mayor Administrator	7-1-23	6-30-28	LOC ICC	
	view will study the likelihood of ommunity, and will identify pro					
6	Property Protection	Mayor	7-1-23	6-30-28	LOC ICC	
1.7 Lakev 7	view will remove debris and ob- Nat. Resource Protection	structions from ditche Mayor	s and streams. 7-1-23	6-30-28	LOC	
1.8 Lakev flood risl	view will acquire and demolish k area, and to restore property owner wants public assistance	properties that flood r to a natural habitat m	repeatedly to raintained as su	elocate resid	ents out of the etuity when the	
8	Prevention	Mayor	7-1-23	6-30-28	LOC FMA/PDM BRIC	
1.9 Lake	view will maintain, replace or a	dd storm sewers wast	ewater pumpir	ng stations, w		

other devices or structures to protect property from flooding and to lessen flash flooding.

Priority	Action Type	Lead Agency	Start Date	End Date	Funding
9	Structurally Engineered	Mayor Administrator	7-1-23	6-30-28	LOC
	eview will require retention/on where surface runoff may	•		er in new dev	elopment or
10	Property Protection	Mayor Zoning Inspector	7-1-23	6-30-28	LOC

GOAL 2: LAKEVIEW WILL EMPLOY MITIGATION ACTIONS TO REDUCE DAMAGES INCURRED FROM SEVERE WINDSTORMS, INCLUDING WIND, STRAIGHT-LINE WINDS AND TORNADOES.

2.1 Lakeview 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.

Mayor

11 Property Protection Administrator 7-1-23 6-30-28 LOC

Utility Supt.

2.2 Lakeview 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.

LOC
12 Property Protection Mayor 7-1-23 6-30-28 PDM
BRIC

2.3 Lakeview will maintain and enforce local land use regulations in an effort to reduce storm damages to properties.

13 Prevention Mayor 7-1-23 6-30-28 LOC ICC

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

3.1 Lakeview 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.

14 Property Protection Mayor 7-1-23 6-30-28 LOC ICC

3.2 Lakeview will encourage the hardening of utilities through review of current utility rules and regulations, damage resistant installation below grade, improvements to supply lines and generations plants, and upgrade of substations and transformers.

15 Property Protection Mayor 7-1-23 6-30-28 LOC ICC

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

4.1 Lakeview will establish water conservation procedures to be implemented during water emergencies due to drought or contamination.

16 Nat. Resource Protection Mayor
Administrator 7-1-23 6-30-28 LOC

4.2 Lakeview will educate the public about local digital warning and notification systems like reverse calling, weather radios, warning sirens, and digital resources that inform them of incoming life-threatening storms or emergencies.

Priority	Action Type	Lead Agency	Start Date	End Date	Funding				
17	Public Information	Mayor	7-1-23	6-30-28	LOC				
17	Public Illiormation	Mayor	7-1-25	0-30-28	HSGP/EMPG				
	4.3 Lakeview will maintain and improve hardware, software, and capital equipment (outdoor warning								
sirens) u	sed to deliver warnings and n	otifications.							
18	Public Information	Fire Chief	7-1-23	6-30-28	LOC				
10		THE CHIEF	, 1 20	0 00 20	Other				
	4.4 Lakeview will implement a program to identify and remove dead or diseased trees along waterways and in the public domain.								
		Mayor							
19	Property Protection	Administrator	7-1-23	6-30-28	LOC				
	• •	Electrical Supt.							

GOAL 5: LAKEVIEW 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 LOGAN COUNTY

5.1 Lakeview 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 Public Information Fire Chief 7-1-23 6-30-28 LOC HSGP/EMPG

5.2 Lakeview will develop a multi-part communication system to notify all residents of protective action orders, warning and notification, and other critical lifesaving information.

21 Public Information Fire Chief 7-1-23 6-30-28 LOC HSGP/EMPG

5.3 Lakeview will develop interoperable communication plans to coordinate life-saving efforts between all community partners during severe incidents.

22 Public Information Fire Chief 7-1-23 6-30-28 LOC HSGP/EMPG

5.4 Lakeview will develop, utilize, and maintain a communication plan to include mass media, social media, and direct contact with residents before, during and after incidents.

23 Public Information Fire Chief 7-1-23 6-30-28 LOC EMPG/HSGP

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

6.1 Lakeview 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.

24 Nat. Resource Protection Mayor 7-1-23 6-30-28 LOC/PDM BRIC

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

25 Property Protection Mayor 7-1-23 6-30-28 LOC

GOAL 7 THE VILLAGE OF LAKEVIEW WILL ASSESS ITS VULNERABILITY TO EARTHQUAKE, TAKING INTO CONSIDERATION THE HSITORY OF INCIDENT SEVERITY AND THE BUILDINGS AND INFRASTRUCTURE AT RISK.

7.1 Lakeview will assess its vulnerability to earthquake damages by identifying any critical facilities or key resources that may be negatively affected by an earthquake of 5.0 magnitude or higher.

Priority	Action Type	Lead Agency	Start Date	End Date	Funding
26	Property Protection	Mayor	71-23	6-30-28	LOC

3.3.7 Quincy

This small village situated in the far southwest corner of Logan County, close to the Champaign and Shelby County lines. This small community is home to residents who work in area businesses and industries, and take pride in their quiet self-sufficient community. Quincy is governed by a mayor and council, assisted by a small staff. Mitigation actions will be championed and implemented by the mayor and administrator with council's assistance.

Table 3-8: Quincy Mitigation Goals and Strategies

	Table 3-8:	Quincy Mitigation G	oals and Strat	egies	
Priority	Action Type	Lead Agency	Start Date	End Date	Funding
	UINCY WILL EMPLOY MITIG				FROM SEVERE
•	will advocate and support, vegetation to reduce damag	· · · · · · · · · · · · · · · · · · ·	• .	**	per maintenance of
1	Property Protection	Mayor Administrator	7-1-23	6-30-28	LOC
	will advocate for and supportantly homes and neighborl			erable locatio	ons, including single
2	Property Protection	Mayor Administrator	7-1-23	6-30-28	PDM LOC
1.3 Quincy	will implement a program t	co clear areas of debris	after severe wi	nd and floodi	ing to keep crop
	d debris out of water treatm				
and to kee	p roadways open and usabl	e as soon as possible af	ter storms.		
3	Property Protection	Mayor Administrator	7-1-23	6-30-28	LOC
1.4 Quincy properties	will maintain and enforce la	and use regulations in a	an effort to red	uce storm da	mages to
1	Prevention	Mayor	7_1_22	6-20-28	100

GOAL 2: QUINCY WILL ENGAGE IN MITIGATION ACTIONS TO REDUCE DAMAGES DUE TO UTILITY OUTAGES AND RESOURCE SHORTAGES FROM ALL CAUSES

Administrator

7-1-23

6-30-28

LOC

	incy will encourage the harden vements to supply lines and ge				
5	Property Protection	Mayor Administrator	7-1-23	6-30-28	LOC ICC Other
	incy will establish redundant so y and facilitate availability and			•	•
6	Property Protection	Mayor	7-1-23	6-30-28	LOC

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

Administrator

Prevention

Priority	Action Type	Lead Agency	Start Date	End Date	Funding
	will educate the public about I				
•	vere weather and life-threate			•	
7	Public Information	Fire Chief	7-1-23	6-30-28	LOC HSGP/EMPG
3.2 Qunicy v	will develop and implement a	program to assist in t	he removal of	dead or dise	
waterways	and roadways that have been	affected by Emerald	Ash Borer and	other invasiv	ve species.
8	Property Protection	Mayor Administrator	7-1-23	6-30-28	LOC ICC
	will help farms reduce losses a				
	supporting farmer's needs th		for ongoing in	gress and eg	ress to farms, and
assisting wit	th other issues of importance				100
9	Property Protection	Mayor Administrator	7-1-23	6-30-28	LOC Other
	will help farms identify protec from storm damages.	tive measures needed	d to protect ed	quipment, fac	ilities, and
10	Property Protection	Mayor Administrator	7-1-23	6-30-28	LOC
	will maintain and improve har ver warnings and notifications		capital equip	ment (outdoo	or warning sirens)
11	Public Information	Mayor Administrator	7-1-23	6-30-28	LOC EMPG/HSGP
3.6 Quincy viconditions.	will improve capacity to rapidl	y place temporary wa	arning signs th	at indicate da	•
12	Property Protection	Mayor Administrator	7-1-23	6-30-28	LOC
GOAL 4: QU	INCY WILL ENGAGE IN MITIG	ATION ACTIONS THA	T REDUCE DA	MAGES FROM	M FLOODING
	will Shelby County consider re flood protection available to				
13	Property Protection	Mayor Administrator	7-1-23	6-30-28	LOC
4.2 Qunicy v	will advocate and support floo		quired.		
14	Property Protection	Mayor Administrator	7-1-23	6-30-28	LOC ICC
	will maintain existing local bui sustainable disaster-resistant			d other land u	ise regulations that
encourages		Mayor	•		
15	Property Protection	Administrator	7-1-23	6-30-28	LOC
4.4 Qunicy	will use financial aid for flood	mitigation through gr	ants, fees, and	d other specia	al programs.
16	Property Protection	Mayor Administrator	7-1-23	6-30-28	LOC PDM
	will advocate removal of debrier maintenance.		es, and excess	sediment fro	

Priority	Action Type	Lead Agency	Start Date	End Date	Funding			
17	Nat. Resource Protection	Mayor Administrator	7-1-23	6-30-28	LOC ICC			
	will participate in storm water billing will participate in storm water will be will b		to improve was	stewater syst	ems and field tiling			
18	Property Protection	Mayor Administrator	7-1-23	6-30-28	LOC			
	will maintain, replace, or add	storm sewers, waste						
other device	ces or structures to protect pr		and to lessen f	lash flooding				
19	Structurally Engineered	Mayor Administrator	7-1-23	6-30-28	LOC ICC			
4.8 Quincy	will remove debris and obstr		and streams.					
20	Property Protection	Mayor Administrator	7-1-23	6-30-28	LOC			
	will require retention and de		ain runoff wate	er in new dev	velopment or			
expansion	where surface runoff may cau	· · · · · · · · · · · · · · · · · · ·						
21	Structurally Engineered	Mayor Administrator	7-1-23	6-30-28	LOC PDM			
4.10 Quinc	y will utilize elevation to prot	ect critical infrastruct	ure and proper	ty from flood	ling.			
22	Structurally Engineered	Mayor Administrator	7-1-23	6-30-28	LOC PDM			
4.11 Quinc	y will acquire and demolish p	roperties that flood re	epeatedly to re	locate reside	nts out of flood risk			
areas, and	restore property to a natural	habitat maintained as	s such into perp	oetuity.				
23	Prevention	Mayor Administrator	7-1-23	6-30-28	LOC PDM/FMA			
	y will create vegetative buffe off until it drains downstream		d natural habita	at in low-lying	g areas to hold			
24	Property Protection	Mayor Administrator	7-1-23	6-30-28	LOC PDM			
4.13 Quinc	y will study the likelihood and	d potential impact of o	dam failure tha	t may impact	the village.			
25	Property Protection	Mayor Administrator	7-1-23	6-30-28	LOC			
4.14 Quinc	y will properly maintain dams	s, spillways, and up-gr	ound reservoir	s to lessen th	e likelihood of			
structural f	ailure and flooding due to po							
26	Property Protection	Mayor Administrator	7-1-23	6-30-28	LOC			
repair of sh roadways f	y will support improvement to a will support improvement to a consider and flood damage and drainage.	in culvert size, mainte	enance of bridg	e slopes and	protection of			
27	Property Protection	Mayor Administrator	7-1-23	6-30-28	LOC			
	4.16 Quincy will support efforts to replace deteriorated tiles, plant cover crops, utilize conservation tillage, install tile control structures where feasible, and use filter strips for slope protection.							
install tile (Lontrol Structures where feas		ps for slope pro	otection.				
28	Property Protection	Mayor Administrator	7-1-23	6-30-28	LOC			

Priority	Action Type	Lead Agency	Start Date	End Date	Funding
	UINCY WILL ENGAGE IN MITIO			D PROTECT N	ATURAL
	will protect roadways vulnera	the state of the s		•	d berms, washed
	dations or abutments, or othe	Mayor		S	
29	Property Protection	Administrator	7-1-23	6-30-28	LOC
	will protect waterways by rec ts, vegetation, grassy waterwa	ays, filter strips, buffe		e, and wind o	
30	Nat. Resource Protection	Mayor Administrator	7-1-23	6-30-28	LOC PDM
	will establish conservation procontaminated water supplies	ocedures to be used	during water ei	mergencies o	r shortages due to
31	Nat. Resource Protection	Mayor Administrator	7-1-23	6-30-28	LOC
	UINCY WILL ENGAGE IN MITION TO SAVE LIVES				
available s	will educate the public about ervices, vulnerable population means to include print and spo	s and available assist	ance and other	emergency	procedures using a
32	Public Information	Mayor Administrator	7-1-23	6-30-28	LOC EMPG/HSGP
	will develop a multi-part com	•	•	dents of proto	ective action
33	Public Information	Mayor Administrator	7-1-23	6-30-28	LOC EMPG/HSGP
_	will develop interoperable co y partners during severe incide		coordinate lif	e-saving effo	rts between all
34	Public Information	Mayor Administrator	71-17	6-30-28	LOC
disaster ca	will improve parcel location r Ils in a rapid and effective way as assistance to responders a	, as well as to facilita			
35	Public Information	Mayor Administrator	7171-17	6-30-28	LOC
	will improve GIS mapping to itions capability of software to	produce data that is			
36	Public Information	Mayor Administrator	7-1-23	6-30-28	LOC
	will work to develop enhance create whole community effor	ts to improve commu		•	
37	Public Information	Mayor Administrator	7-1-23	6-30-28	LOC
	will develop, utilize, and mair contact with residents before			de mass med	ia, social media,

LOC

Priority	Action Type	Lead Agency	Start Date	End Date	Funding
38	Public Information	Mayor Administrator	7-1-23	6-30-28	LOC
	will identify potential dam idents who would require a			nd will establ	ish a way to locate
		Mayor			
39	Property Protection	Administrator Fire Chief	7-1-23	6-30-28	LOC

3.3.8 Rushsylvania

Rushsylvania sites in the northeast quadrant of Logan County, and is surrounded by farms in Rushcreek Township. The small village is concerned about windstorms and general storm damage, and is exposed to some flooding, especially flash flooding, after heavy precipitation. The slightly rolling terrain is subject to some utility outages and erosion. Rushsylvania is governed by a mayor and council form of government, and the mayor will take on mitigation strategies as part of her duties.

Table 3-9: Rushsylvania Mitigation Goals and Strategies

Priority	Action Type	Lead Agency	Start Date	End Date	Funding
	RUSHSYLVANIA WILL EMPL WINDSTORMS, INCLUDING				CURRED FROM
	nsylvania will advocate and s s caused by high winds or to		enance of trees	and vegetati	on to reduce
1	Property Protection	Mayor	7-1-23	6-30-28	LOC ICC
	nsylvania will advocate for ar rhoods without basements o		f safe rooms sir	ngle and mult	i-family homes a
					LOC
2	Property Protection	Mayor	7-1-23	6-30-28	PDM
					BRIC

GOAL 2: RUSHSYLVANIA WILL ENGAGE IN MITIGATION ACTIONS TO REDUCE DAMAGES FROM ALL SEVERE STORMS, INCLUDING THUNDERSTORMS AND BLIZZARDS, AND OTHER NATURAL DISASTERS AND CAUSES

2.1 Rushsylvania will maintain and improve hardware, software, and capital equipment (outdoor warning sirens) used to deliver warnings and notifications.

4	Public Information	Mayor	7-1-23	6-30-28	EMPG/HSGP					
	2.3 Rushsylvania will implement a program to identify and remove dead or diseased trees along waterways and in the public domain.									
5	Property Protection	Mayor	7-1-23	6-30-28	LOC ICC					

GOAL 3: RUSHSYLVANIA WILL ENGAGE IN MITIGATION ACTIONS THAT REDUCE DAMAGES FROM FLOODING

3.1 Rushsylvania will consider joining NFIP as a way to make more flood protection available to the community and to prevent future damages through floodplain regulation.

Priority	Action Type	Lead Agency	Start Date	End Date	Funding		
6	Property Protection	Mayor	7-1-23	6-30-28	LOC		
3.2 Rush	3.2 Rushsylvania will advocate and support flood insurance where required.						
7	Property Protection	Mayor	7-1-23	6-30-28	LOC ICC		
3.3 Rush	3.3 Rushsylvania will remove debris and obstructions from ditches and streams.						
8	Property Protection	Mayor	7-1-23	6-30-28	LOC		
		iviayoi			ICC		

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

4.1 Rushsylvania will identify and facilitate availability and proper use of generators as an alternate power source.
 Property Protection Mayor 7-1-23 6-30-28 LOC Other

GOAL 5: RUSHSYLVANIA 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 LOGAN COUNTY

5.1 Rushsylvania 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 resources.

10 Public Information Mayor 7-1-23 6-30-28 LOC

5.2 Rushsylvania will develop a multi-part communication system to notify all communities of protective actions orders, warnings and notifications, and other critical lifesaving information.

11 Public Information Mayor 7-1-23 6-30-28 LOC

5.3 Rushsylvania will develop interoperable communication plans to coordinate life-saving efforts between all community partners during severe incidents.

12 Public Information Mayor 7-1-23 6-30-28 LOC

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

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

14 Nat. Resource Protection Mayor 7-1-23 6-30-28 LOC ICC

6.2 Rushsylvania will monitor developing information and data from ODNR that identifies and verifies Karst areas in the village, and will react appropriately as threats to structures or infrastructure develop.

15 Natural Resource Protection Mayor 7-1-23 6-30.28 LOC GOAL 7 THE VILLAGE OF RUSHSYLVANIA WILL ASSESS ITS VULNERABILITY TO EARTHQUAKES, TAKING INTO ACCOUNT THE BUILDINGS OR INFRASTRUCTURE AT RISK.

7.1 Rushsylvania will assess its vulnerability to earthquake damages by identifying any critical facilities or key resources that may be negatively affected by an earthquake of 5.0 magnitude or higher.

15 Property Protection Mayor 7-1-23 6-30-28 LOC

3.3.9 Russells Point

Russells Point is part of an inland lake community in the far northwest of Logan County. Sitting at the mid-southern edge of Indian Lake, these residents welcome thousands of tourists in warmer months to enjoy boating, swimming and fishing on the man-made body of water. As such, there are many roads and streets on the waterfront and hundreds of cottages and cabins, as well as mobile and recreational vehicle homes, on the shores of the lake. Indian Lake Dam sits in a small area on the east side of the village that is part of Washington Township, and the dam is owned by ODNR. Therefore, Russells Point has no authority or responsibility for the dam, but likely could be in the inundation zone if the dam were to fail. When the lake fills with water after heavy rains and can accept no more, the ditches that lead to the lake back up in Russells Point and cause flooding. This community, along with Lakeview and the unincorporated areas circling Indian Lake, make up a neighborhood of resilient and hardworking people who live on the edge of a productive agricultural township or two. They are most concerned about flooding, wind, and utilities, although generally severe storms, communication with the rest of the county as well as their transient population, and erosion round out their concerns.

Russells Point is governed by a village mayor and council, and the mayor will assume responsibility for championing the mitigation strategies.

Table 3-10 Russells Point Mitigation Goals and Strategies

Priority	Action Type	Lead Agency	Start Date	End Date	Funding		
GOAL 1: RUSSELLS POINT WILL ENGAGE IN MITIGATION ACTIONS THAT REDUCE DAMAGES FROM FLOODING.							
1.1 Russells Point will maintain NFIP participation so property owners have access to flood insurance, and will regularly review flood maps to ensure implementation of floodplain regulations and improvement strategies.							
1	Property Protection	Mayor	7-1-23	6-30-28	LOC		
1.2 Russ	ells Point will advocate and sup	port flood insurance v	where required.				
2	Property Protection	Mayor	7-1-23	6-30-28	LOC ICC		
1.3 Russells Point will maintain existing building codes, zoning regulations, and other land use regulations that encourage sustainable disaster-resistant structures in all areas.							
3	Property Protection	Mayor	7-1-23	6-30-28	LOC ICC		
1.4 Russ	ells Point will use financial aid f	or mitigation through	grants, fees, an	d other speci	al programs.		
4	Property Protection	Mayor	7-1-23	6-30-28	PDM BRIC FMA/SRL LOC		
	ells Point will advocate for rem mprove river maintenance.	oval of debris, fallen d	iseased trees, a	nd excess sec	liment from rivers		
5	Nat. Resource Protection	Mayor	7-1-23	6-30-28	LOC		

BRIC

Priority	Action Type	Lead Agency	Start Date	End Date	Funding
	ells Point will advocate for OD	· ·			
ODNR or	wns, and will work with them	to assess the potential	impact of dam f	allure on the	jurisdiction if it
			7.4.00	6 22 22	LOC
6	Property Protection	Mayor	7-1-23	6-30-28	ICC
1.7 Russ responsi	ells Point will remove debris a bility.	and obstructions from o	litches and strea	ms where wa	aterways are village
7	Nat. Resource Protection	Mayor	7-1-23	6-30-28	LOC
	ells Point will participate in stactices to limit damages from		study to improv	ve wastewate	•
8	Property Protection	Mayor	7-1-23	6-30-28	LOC ICC
1.9 Russ	ells Point will maintain, replac	ce, or add right-sized st	orm sewers, mai	nholes, waste	
	water pumps, and other devi				
9	Property Protection	Mayor	7-1-23	6-30-28	LOC
	sells Point will support efforts				
	nstall tile control structures w		•		
10	Property Protection	Mayor	7-1-23	6-30-28	LOC
	sells Point will use elevation t s that flood.	o remove components	or systems, stru	ctures, or iiiii	LOC
	Structurally engineered				PDM
11	project	Mayor	7-1-23	6-30-23	BRIC
					FMA
	sells Point will use acquisition				•
properti 12	es and prevent future flooding Prevention	g when the property ov Mayor	vner is agreeable 7-1-23	e to that option 6-30-28	on.
	sells Point will emphasize and	•			ion as a method of
	ng floods.				
					LOC
13	Property Protection	Mayor	7-1-23	6-30-28	BRIC
	. reperty reseasons.			0 00 20	PDM
					FMP
	RUSSELLS POINT WILL EMPLO WINDSTORMS, INCLUDING W				CURRED FROM
2.1 Russ	ells Point will advocate and su	ipport, and implement	on village-owne	d property, th	ne proper
	ance of trees and vegetation				
11	Property Protection	Mayor	7-1-23	6-30-28	PDM
					BRIC
	ells Point will advocate for and multi-family homes and nei				
12	Duran anti- Dischard	N.A	7.4.22	C 20 20	LOC
12	Property Protection	Mayor	7-1-23	6-30-28	PDM

Priority	Action Type	Lead Agency	Start Date	End Date	Funding		
2.3 Russells Point will clear areas of debris after severe wind and flooding to keep 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.							
13	Property Protection	Mayor	7-1-23	6-30-28	LOC ICC		

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

3.1 Russells Point will identify alternate 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.

LOC

14 Property Protection Mayor 7-1-23 6-30-28 ICC

Other

3.2 Russells Point will establish conservation procedures to be used during water emergencies or shortages due to drought or contamination.

15 Nat. Resource Protection Mayor 7-1-23 6-30-28 LOC ICC

3.3 Russells Point will advocate for buried utility lines wherever possible, with an emphasis upon new construction and major renovation projects.

16. Russells Point will advocate for and support regulation that guides development in a disaster-safe manner, such as building codes, fire codes, zoning, and floodplain regulation that encourages disaster-smart practices.

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

4.1 Russells Point will support local fire district efforts to maintain and improve hardware (radios and consoles, etc.), software, and capital equipment (outdoor warning sirens) used to deliver warnings and notifications, or for communication between responders and key village departments.

16 Public Information Mayor 7-1-23 6-30-28

HSGP/EMPG

4.2 Russells Point will identify and develop agreements to use existing areas for comfort stations when there are heat or cooling outages, community information centers are needed, or sheltering is necessary.

17 Property Protection Mayor 7-1-23 6-30-28 LOC

4.3 Russells Point will advocate for all property owners and renters to purchase the proper insurance policies for their property, based upon their individual situation and circumstance.

18 Property Protection Mayor 7-1-232 6-30-28 LOC

GOAL 5: RUSSELLS POINT 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 LOGAN COUNTY.

5.1 Russells Point 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, and will support the Logan County Emergency Operations Center as it works to serve all populations.

Priority	Action Type	Lead Agency	Start Date	End Date	Funding			
17	Public Information	Mayor	7-1-23	6-30-28	LOC ICC			
orders, w	5.2 Russells Point will develop a multi-part communication system to notify all residents of protective action orders, warnings and notifications, and other critical lifesaving information, and will advocate for all residents to sign up for the alerts that convey this information.							
18	Public Information	Mayor	7-1-23	6-30-28	LOC EMPG/HSGP			
 5.3 Russells Point will develop utilize, and maintain a communication plan to include mass media, social media, and direct contact with residents before, during and after incidents. Public Information Mayor 7-1-23 6-30-28 LOC 								

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

6.1 Russells Point will protect roadways vulnerable to compromised structural integrity, damaged berms, washed away foundations or abutments, or other deterioration due to extreme runoff or specific highly vulnerable soils or slopes.

20 Property Protection Mayor 7-1-23 6-30-28 ICC Other

6.2 Russells Point will protect waterways by reducing slope erosion, land subsidence and wind damage through cover plants, vegetation, grassy waterways, filter strips, buffers, and other engineered options.

LOC
21 Nat. Resource Protection Mayor 7-1-23 6-30-28 ICC
Other

GOAL 7 THE VILLAGE OF RUSSELLS POINT WILL ASSESS ITS VULNERABILITY TO EARTHQUAKES, TAKING INTO CONSIDER THE INCIDENT SEVERITY AND THE BUILDINGS OR INFRASTRUCTURE AT RISK.

7.1 Russells Point will assess its vulnerability to earthquake damages by identifying any critical facilities or key resources that may be negatively affected by an earthquake of 5.0 magnitude or higher.

22 Property Protection Mayor 7-1-23 6-30-28 LOC

3.3.10 Valley Hi

Valley Hi sits atop the highest peak in Logan County and while the year-round population is very small, many tourists come to the village to enjoy snow skiing and other winter sports in a winter wonderland kind of atmosphere. The peak that is home to Valley Hi is steep, and the village can be isolated very easily, due to ice and snow causing the one road in – one road out to be closed, or due to wind and storms causing trees to fall and block the roadway. Fortunately, due to elevation and the steep incline leading to the hilltop village, Valley Hi is not vulnerable to flooding, but it is vulnerable to flash flooding that seriously erodes and damages roads, driveways, and bridges or culverts. The village's financial challenges have prevented them from developing resources like alternators to generate electricity when power is out, or development of secondary access and emergency vehicle access when the road is blocked. The village is vulnerable to an array of predicaments due to the access problem. As residents and village commission members talked through mitigation actions, they developed the following list to start enabling Valley Hi to lessen risks and become a resilient, sustainable community. The

village commissioners will share responsibility for implementation; there are no employees and only a clerk and a solicitor to advise them.

Priority	Action Type	Lead Agency	Start Date	End Date	Funding	
GOAL 1: VALLEY HI WILL EMPLY MITIGATION ACTIONS THAT REDUCE DAMAGES FROM SEVERE WIND STORMS THAT INCLUDE WIND, STRAIGHT-LINE WINDS AND TORNADOES.						
	y Hi will advocate proper trim ly where trees are infected wit			e damages ca	used by wind,	
1	Prevention	Commissioners	7-1-23	6-30-28	LOC	
	GOAL 2: VALLEY HI WILL EMPLOY ACTIONS TO LESSEN THE DAMAGES FROM SEVERE WINTER STORMS, WITH AN EMPHASIS UPON DAMAGE BY ICE AND SNOW.					
	ey Hi will clear roads of ice and after storms.	fallen trees to preven	t blockages and	make roads ι	usable as soon as	
2	Property Protection	Commissioners	7-1-23	6-30-28	LOC ICC	
and the	ey Hi will study the pre-position stockpiling of critical supplies t g bulk or bottled water during	o sustain the commur	nity during a long	•	· · · · · · · · · · · · · · · · · · ·	
3	Property Protection	Commissioners	7-1-23	6-30-28	LOC	
	VALLEY HI WILL ENGAGE IN N DUE TO FLOODING, LAND USE			EROSION OF	TOPSOIL AND	
3.1 Valley Hi will protect its roadways and streets that are extremely vulnerable to compromised structural integrity, damaged berms, washed away foundation or abutments, landslide or mudslide, or other deterioration due to extreme runoff and vulnerable soil types as well as incline.						
4	Property Protection	Commissioners	7-1-23	6-30-28	LOC ICC	
GOAL 4: VALLEY HI WILL CONDUCT MITIGATION ACTIONS TO REDUCE THE VULNERABILITY OF ITS POPULATION TO DAMAGES AND CASUALTY DUE TO ALL TYPES OF DISASTERS AND SEVERE STORMS.						

- 4.1 Valley Hi will identify and remove dead or diseased trees along waterways, roadways and other public property.
- 5 Property Protection Commissioners 7-1-23 6-30-28 LOC
- 4.2 Valley Hi will identify any exceptionally vulnerable infrastructure that would be damaged by an earthquake.
- 6 Property Protection Commissioners 7-1-23 6-30-28 LOC

GOAL 5: VALLEY HI WILL WORK TO PREVENT DAMAGE AND CASUALTY DUE TO FLASH FLOODING.

- 5.1 Valley Hi will use financial aid for flood mitigation through grants, fees, and other special programs.
- 7 Prevention Commissioners 7-1-23 6-30-28 LOC PDM/FMA
- 5.2 Valley Hi will implement improvements to ditch and stream maintenance to reduce sedimentation and erosion.

Priority	Action Type	Lead Agency	Start Date	End Date	Funding		
8	Nat. Resource Protection	Commissioners	7-1-23	6-30-28	LOC PDM		
5.3 Valley Hi will make improvements to roads and infrastructure including increases in bridge spans, repair of shoulders and berms, increases in culvert sizes, maintenance of bridge slopes and protection of roadways from storms and flood damages, to enhance the likelihood of open roadways during and after storms.							
9	Property Protection	Commissioners	7-1-23	6-30-28	LOC ICC		
5.4 Valle	5.4 Valley Hi will remove debris and obstructions from ditches and streams.						
10	Property Protection	Commissioners	7-1-23	6-30-28	LOC ICC		

3.3.11 West Liberty

West Liberty is a small community in central southern Logan County. Residents work in area industry, and this small community sits atop some of the higher elevations of Logan County. They are most concerned about flooding, wind and communications, followed by general storm damages, utility outages, general storm damage, and erosion. The community is governed by a mayor and council, and the mayor will take on implementation of the mitigation strategies.

Table 3-12: West Liberty Mitigation Goals and Strategies

Priority	Action Type	Lead Agency	Start Date	End Date	Funding		
GOAL 1: WEST LIBERTY WILL EMPLOY MITIGATION ACTIONS TO REDUCE DAMAGES INCURRED FROM SEVERE WINDSTORMS, INCLUDING WIND, STRAIGHT-LINE WINDS AND TORNADOES							
1.1 West Liberty will advocate proper trimming of trees and vegetation to reduce damages caused by wind, especially where trees are infected with disease like Emerald Ash Borer.							
1	Property Protection	Mayor Street Dept. Sup.	7-1-23	6-30-28	LOC		
	Liberty will clear areas of croper systems.	debris after severe wir	nd and flooding	to keep fod	der out of culverts		
2	Property Protection	Mayor Street Dept. Sup.	7-1-23	6-30-28	LOC ICC		
1.3 West Liberty will support the construction of safe rooms for single and multi-family homes without basements or shelters.							
3	Property Protection	Mayor	7-1-23	6-30-28	LOC PDM BRIC		

GOAL 2: WEST LIBERTY 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 LOGAN COUNTY.

2.1 West Liberty will maintain interoperable communication plans and warning systems to coordinate life-saving efforts between all community partners and residents during severe incidents.

		iviayor			1.00
4	Public Information	Public Safety	7-1-23	6-30-28	HSGP/EMPG
		Services			H3GP/EIVIPG

HSGP/EMPG

Priority	Action Type	Lead Agency	Start Date	End Date	Funding	
	Liberty will develop, utilize and nd direct contact with residents			nclude mass r	nedia, social	
5	Public Information	Mayor	7-1-23	6-30-28	LOC	
2.3 West	Liberty will improve GIS mappir	ng to include infrastru	cture and utilit	y mapping, ai	nd expand the	
customiz	ation capability of software to p		eful in commu	nity planning.		
C	Dublic Information	Mayor	7 1 22	C 20 20	LOC	
6	Public Information	Water/Wastewater Sup.	/-1-23	6-30-28	ICC	
2.4 West	Liberty will work to develop en	•	oss-discipline a	ınd interjuriso	dictional planning	
	create whole community effor	ts to improve commur	•			
		Mayor				
7	Public Information	Public Safety	7-1-23	6-30-28	LOC	
2.5 West	Liberty will educate the public a	Services	zards vulneral	hilities nrote	ctive actions	
	vulnerable populations, availab					
	rinted information and other op		0 - 1, p - 1 - 1	0		
8	Public Information	Mayor	7-1-23	6-30-28	LOC	
	WEST LIBERTY WILL ENGAGE IN DUTAGES AND RESOURCE SHOP			STORM DAM	AGES DUE TO	
3.1 West	Liberty will encourage the hard	ening of utilities throu	gh damage res	sistant installa	ation below grade.	
	ments to supply lines and genera					
	,,,	, , , ,			LOC	
9	Property Protection	Mayor	7-1-23	6-30-28	ICC	
2 2 144					Other	
	Liberty will establish redundant dentify and facilitate availability				•	
		Mayor		arcorrate per		
10	Property Protection	Public Safety	7-1-23	6-30-28	LOC Other	
		Services			Other	
GOAL 4:	WEST LIBERTY WILL ENGAGE IN	MITIGATION ACTION	S TO REDUCE	DAMAGES FR	ROM ALL SEVERE	
STORMS	, INCLUDING THUNDERSTORMS	AND BLIZZARDS, ANI	OTHER NATU	JRAL DISASTE	ERS AND CAUSES.	
4.1 West	Liberty will identify and remove	e dead or diseased tree	es along water	ways and in t	he public domain.	
11	Property Protection	Mayor	7-1-23	6-30-28	LOC	
11	Troperty Protection	Street Supervisor	, 1 23	0 30 20	200	
4.2 West	Liberty will maintain and impro	ve hardware, software	e, and capital e	quipment (ou	utdoor warning	
sirens) us	sed to deliver warnings and noti	fications.				
		Mayor			LOC	
12	Public Information	Village Council	7-1-23	6-30-28	EMPG/HSGP	
4.3 West Liberty will educate the public about local digital warning and notification systems like reverse						
	reather radios, warning sirens, a	nd digital resources th	at inform ther	m of incoming	glife-threatening	
storms o	r emergency incidents.	Mayor				
13	Public Information	Mayor Village Council	7-1-23	6-30-28	LOC	
13	- abile information	Thage council	1 1 23	0 30 20	HSGP/EMPG	

Co. EMA Director

Priority	Action Type	Lead Agency	Start Date	End Date	Funding	
	Liberty establish water conserv	ration procedures to b	e implemented	I during wate	r emergencies due	
to droug	ht or contamination.					
14	Nat. Resource Protection	Mayor Water Dept. Sup.	7-1-23	6-30-28	LOC ICC	
GOAL 5:	WEST LIBERTY WILL ENGAGE IN	MITIGATION ACTION	NS THAT REDUC	CE DAMAGES	FROM FLOODING	
5.1 West	Liberty will maintain NFIP parti	cipation so property o	wners have acc	cess to flood i	insurance, and will	
	review flood maps to ensure in	nplementation of floo	dplain regulatio	ons and impro	ovement	
strategie	S.	Mayor				
15	Property Protection	Mayor Village Council	7-1-23	6-30-28	LOC	
5.2 West	Liberty will advocate and support		nere required.			
16	Property Protection	Mayor Village Council	7-1-23	6-30-28	LOC ICC	
5.3 West	Liberty will maintain existing lo		ning regulation	s, and other l	and use	
regulation	ons that encourage sustainable of	disaster-resistant struc	ctures in all area	as.		
17	Prevention	Mayor Code Enf./Zoning	7-1-23	6-30-28	LOC	
5.4 West	Liberty will use financial aid for	_	ugh grants, fee	s, and other s	pecial programs.	
18	Prevention	Mayor Village Council	7-1-23	6-30-28	LOC PDM	
5.5 West	Liberty will maintain, replace, o		wastewater pur	nning station		
	er devices or structures to prote					
					LOC	
19	Property Protection	Mayor	7-1-23	6-30-28	ICC	
13	1 Toperty Trotection	Water/Sewer Sup.	7 1 23	0 30 20	PDM	
E C Mari	The area of the second	alanta attana fara att	de la companya di salara di sa		BRIC	
5.6 West	Liberty will remove debris and		ches and strean	ns.	100	
20	Property Protection	Mayor Street Sup.	7-1-23	6-30-28	LOC ICC	
5.7 West	: Liberty study countywide storn	•	o improve wast	tewater syste		
	to limit damages from runoff v	· ·	Cp. Ove was	ichatel syste	dira nera timig	
	_	Mayor	7.4.22	C 20 20	100	
21	Property Protection	Water Sup.	7-1-23	6-30-28	LOC	
	Liberty will implement improve	ements to the ditch m	aintenance to r	educe sedime	entation and	
erosion.						
22	Property Protection	Mayor Village Council	7-1-23	6-30-28	LOC ICC	
5.9 West	Liberty will utilize elevation to		ructure and pro	perty from fl		
		Mayor			LOC	
23	Prevention	Village Council	7-1-23	6-30-28	PDM	
					BRIC	
	5.10 West Liberty will create vegetative buffer zones, wetlands, and natural habitat in low-lying areas to hold excess runoff until it drains downstream naturally.					
		· ·			LOC	
24	Property Protection	Mayor	7-1-23	6-30-28	PDM	
		Village Council			BRIC	

Priority	Action Type	Lead Agency	Start Date	End Date	Funding				
5.11 We	5.11 West Liberty will require retention/detention ponds to contain runoff water in new development or								
expansio	on where surface runoff may ca	ause flooding.							
		Mayor			LOC				
25	Structurally Engineered	Code Enforcement	7-1-23	6-30-28	PDM/FMA				
		Zoning			BRIC				

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

6.1 West Liberty will protect roadway vulnerable to compromised structural integrity, damaged berms, washed away foundations or abutments, or other deterioration due to extreme runoff or specific highly vulnerable soil types.

26 Property Protection Mayor 7-1-23 6-30-28 LOC ICC

GOAL 7 THE VILLAGE OF WEST LIBERTY WILL ASSESS ITS VULNERABILITY TO EARTHQUAKES, TAKING INTO CONSIDERATION THE BUILDINGS OR INFRASTRUCTURE AT RISK.

7.1 West Liberty will assess its vulnerability to earthquake damages by identifying any critical facilities or key resources that may be affected by an earthquake of 5.0 magnitude or greater.

27 Property Protection Mayor 7-1-23 6-30-28 LOC

3.3.12 West Mansfield

This village sits on the far eastern side of Logan County, just a hop away from Union County. Near the manufacturing giant, Honda of America, many residents work in the automotive facilities and live in West Mansfield. Replacement of the 100-year-old clay tile storm sewer system is a priority as tree roots clogs drainage almost daily. This makes it impossible for low-lying areas to drain, and surface flooding is common in certain sections of town. Flash flooding of ditch banks causes wash-away that they constantly maintain with placement of rip-rap. Residents are most concerned about flash flooding, what seems like constant wind and being able to communicate internally and with other communities during a disaster. Rounding out their main concerns are utility outages, general bad storms, and erosion. The village is governed by a council and mayor, and the mayor and administrator will take on implementation of the mitigation strategies.

Table 3-13: West Mansfield Mitigation Goals and Strategies

Priority	Action Type	Lead Agency	Start Date	End Date	Funding
•	· · · · · · · · · · · · · · · · · · ·	0 ,			•

GOAL 1: WEST MANSFIELD WILL ENGAGE IN MITIGATION ACTIONS THAT REDUCE DAMAGES FROM FLOODING.

1.1 West Mansfield will maintain NFIP participation so property owners have access to flood insurance, and will regularly review flood maps to ensure implementation of floodplain regulations and improvement strategies.

1 Property Protection Mayor 7-1-23 6-30-28 LOC Administrator

1.2 West Mansfield will advocate and support flood insurance where required or practically necessary.

Priority	Action Type	Lead Agency	Start Date	End Date	Funding	
2	Property Protection	Mayor Administrator	7-1-23	6-30-28	LOC	
	Mansfield will maintain existi				r land use	
regulatio	ns that encourage sustainable		ictures in all are	as.	100	
3	Prevention	Mayor Administrator	7-1-23	6-30-28	LOC ICC	
1.4 West program:	Mansfield will use financial ai s.	d for flood mitigation	through grants,	fees, and oth	er special	
4	Prevention	Mayor Administrator	7-1-23	6-30-28	PDM FMA/SRL LOC	
	Mansfield will advocate for re		diseased trees	and excess se	ediment from	
rivers, ar 5	d for improvement of river ma Property Protection	aintenance. Mayor Administrator	7-1-23	6-30-28	LOC Other	
	Mansfield will participate in c	· · · · · · · · · · · · · · · · · · ·	•		ove wastewater	
systems	and field tiling practices to lim		or excessive rui	noff water.		
5	Property Protection	Mayor Administrator	7-1-23	6-30-28	LOC ICC	
1.7 West	Mansfield will improve ditch	maintenance to reduce	e sedimentation	and erosion.		
7	Nat. Resource Protection	Mayor Administrator	7-1-23	6-30-28	LOC Other	
	Mansfield will maintain, replar devices or structures to prot					
8	Property Protection	Mayor Administrator	7-1-23	6-30-28	LOC	
1.9 West	Mansfield will remove debris		waterways in t	he village.		
9	Property Protection	Mayor Administrator	7-1-23	6-30-28	LOC ICC	
conserva	t Mansfield will advocate for i tion tillage, installation of tile in to assist near-by or adjacen	control structures whe	ere feasible, and	_		
10	Nat. Resource Protection	Mayor Administrator	7-1-23	6-30-28	LOC ICC	
	t Mansfield will require retent n, or anywhere surface runoff	•	ls to contain rur	noff water in r	new development	
11	Structurally Engineered	Mayor Administrator	7-1-23	6-30-28	LOC PDM	
epair of slopes ar	It Mansfield will make improve shoulders and berms, increase ad protection of roadways from s even after severe flooding ar	e in culvert size, replace In storm and flood dam Ind drainage.	ement of clay ti	les, maintena	ance of bridge od of open	
12	Structurally Engineered	Mayor	7-1-23	12-31 22	LOC	
1.13 Wes	t Mansfield will utilize elevation	Administrator on to protect critical ir	frastructure, ke	y resources, a	PDM and property from	

Priority	Action Type	Lead Agency	Start Date	End Date	Funding
13	Structurally Engineered	Mayor Administrator	7-1-23	6-30-28	LOC PDM
1.14 Wes	st Mansfield will acquire and o	demolish properties tha	it flood repeate	dly to relocat	e resident out of
	areas, and to restore proper	the state of the s			
14	Prevention	Mayor Administrator	7-1-23	6-30-28	LOC PDM
lagoon th	at Mansfield will maintain and nat identifies critical informations and emergency procedure rations.	on such as the inundat	ion zone, poten	tially affected	properties, loss
15	Prevention	Mayor Administrator	7-1-23	6-30-28	LOC
GOAL 2:	WEST MANSFIELD WILL EMP	LOY MITIGATION ACTION			NCURRED FROM
GOAL 2: SEVERE \ 2.1 West	WINDSTORMS, INCLUDING W Mansfield will advocate and s	LOY MITIGATION ACTION ACTION ACTION IN ACTION	VINDS AND TOR	NADOES ned property,	the proper
GOAL 2: SEVERE V 2.1 West maintena	WINDSTORMS, INCLUDING W	LOY MITIGATION ACTION ACTION ACTION IN ACTION	VINDS AND TOR	NADOES ned property,	the proper
GOAL 2: SEVERE V 2.1 West maintena 15 2.2 West	MINDSTORMS, INCLUDING W Mansfield will advocate and sance of trees and vegetation t Property Protection Mansfield will advocate for a	Support, and implement or reduce damages caused Mayor Administrator Administrator	vinds AND TOR at on village-own sed by high wind 7-1-23 an of safe rooms	ned property, ds or tornado 6-30-28 for vulnerable	the proper es. PDM e locations,
GOAL 2: SEVERE V 2.1 West maintena 15 2.2 West	MINDSTORMS, INCLUDING W Mansfield will advocate and s ance of trees and vegetation t Property Protection	Support, and implement or reduce damages caused Mayor Administrator Administrator	vinds AND TOR at on village-own sed by high wind 7-1-23 an of safe rooms	ned property, ds or tornado 6-30-28 for vulnerable	the proper es. PDM e locations,
GOAL 2: SEVERE V 2.1 West maintena 15 2.2 West including 16 2.3 West	MINDSTORMS, INCLUDING Wansfield will advocate and sance of trees and vegetation to Property Protection Mansfield will advocate for a single and multi-family home	support, and implement or reduce damages cause Mayor Administrator and support the creation es and neighborhoods with Mayor Administrator Administrator	vinds AND TOR at on village-own sed by high wind 7-1-23 In of safe rooms vithout baseme 7-1-23	ned property, ds or tornado 6-30-28 for vulnerable nts or shelter 6-30-28	the proper es. PDM e locations, es. LOC PDM

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.

18 Property Protection Mayor 7-1-23 6-30-28 LOC ICC

GOAL 3: WEST MANSFIELD 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 LOGAN COUNTY

3.1 West Mansfield will develop interoperable communication equipment and operational plans to coordinate life-saving efforts between all internal and external community partners during severe incidents.

19 Public Information Mayor 7-1-23 6-30-28 LOC EMPG/HSGP

3.2 West Mansfield will develop, utilize and maintain a communication plan to include mass media, social media, and direct contact with residents before, during and after incidents.

20 Public Information Mayor 7-1-23 6-30-28 LOC EMPG/HSGP

3.3 West Mansfield will improve parcel location mapping to facilitate locating and responding to emergency and disaster calls in a rapid and effective way, as well as to facilitate the use of mutual aid resources, when necessary, as assistance to responders and dispatchers.

	Action Type						
21	Public Information	Mayor Administrator	7-1-23	6-30-28	LOC ICC		
	Mansfield will improve GIS ma	pping to include infra		, , , ,			
22	Public Information	lity of software to produce data that is useful in community planning Mayor 7-1-23 6-30-28 Administrator					
	Mansfield will work to develop efforts to create whole commi	enhanced methods of		· · · · · · · · · · · · · · · · · · ·			
23	Public Information	Mayor Administrator	7-1-23	6-30-28	LOC		
services,	Mansfield will educate the pul vulnerable populations, availal rinted information and other o	blic about local disaste ble assistance, and em					
24	Public Information	Mayor Administrator	7-1-23	6-30-28	LOC		
OUTAGES	WEST MANSFIELD WILL ENGAGES AND RESOURCE SHORTAGES Mansfield will encourage the I	FROM ALL CAUSES					
	line and generation plants, an	d upgrade of poles, su					
25	Property Protection	Mayor Administrator	7-1-23	6-30-28	LOC ICC		
power so outages o	Mansfield will identify and est urces, and other critical supplior an earthquake that damages ical resources under austere c	es necessary for susta s distribution systems,	ining life, busin	ess, and safet	y during power		
26	Property Protection	Mayor			100		
26	Troperty Protection	Administrator	7-1-23	6-30-28	LOC ICC		
GOAL 5: \	WEST MANSFIELD WILL ENGAGE TORMS, INCLUDING THUNDER	Administrator GE IN MITIGATION AC	TIONS TO REDI	JCE DAMAGE	S FROM ALL		
GOAL 5: V SEVERE S CAUSES. 5.1 West	WEST MANSFIELD WILL ENGA	Administrator GE IN MITIGATION ACRESTORMS AND BLIZZA conservation procedu	TIONS TO REDU ARDS, AND OTH	JCE DAMAGE ER NATURAL	S FROM ALL DISASTERS AND		
GOAL 5: V SEVERE S CAUSES. 5.1 West	WEST MANSFIELD WILL ENGAGE TORMS, INCLUDING THUNDER Mansfield will establish water	Administrator GE IN MITIGATION ACRESTORMS AND BLIZZA conservation procedu	TIONS TO REDU ARDS, AND OTH	JCE DAMAGE ER NATURAL	S FROM ALL DISASTERS AND		
GOAL 5: V SEVERE S CAUSES. 5.1 West emergene 27 5.2 West calling, w	WEST MANSFIELD WILL ENGAGE TORMS, INCLUDING THUNDER Mansfield will establish water cies due to drought or contam	Administrator GE IN MITIGATION ACRESTORMS AND BLIZZA conservation procedulination. Mayor Administrator blic about LOC digital value and digital resources in	TIONS TO REDU ARDS, AND OTH ares to be imple 7-1-23	JCE DAMAGE ER NATURAL mented durin 6-30-28 tification syst	ES FROM ALL DISASTERS AND og water LOC ICC em like reverse		
GOAL 5: V SEVERE S CAUSES. 5.1 West emergene 27 5.2 West calling, w	WEST MANSFIELD WILL ENGAGE TORMS, INCLUDING THUNDER Mansfield will establish water cies due to drought or contam Nat. Resource Protection Mansfield will educate the pul eather radios, warning sirens,	Administrator GE IN MITIGATION ACTOR AND BLIZZA conservation procedulination. Mayor Administrator blic about LOC digital v	TIONS TO REDU ARDS, AND OTH ares to be imple 7-1-23	JCE DAMAGE ER NATURAL mented durin 6-30-28 tification syst	ES FROM ALL DISASTERS AND og water LOC ICC em like reverse		
GOAL 5: V SEVERE S CAUSES. 5.1 West emergene 27 5.2 West calling, w storms or 28 5.3 West	MEST MANSFIELD WILL ENGAGE TORMS, INCLUDING THUNDER Mansfield will establish water cies due to drought or contam Nat. Resource Protection Mansfield will educate the pull eather radios, warning sirens, remergency incidents.	Administrator GE IN MITIGATION ACRITORMS AND BLIZZA conservation procedulination. Mayor Administrator blic about LOC digital value and digital resources to the mayor Administrator Administrator Administrator Approve hardware, soft	TIONS TO REDU ARDS, AND OTH ares to be imple 7-1-23 warning and not that inform then 7-1-23 ware, and capit	JCE DAMAGE ER NATURAL mented durin 6-30-28 tification syst m of incoming 6-30-28 al equipment	S FROM ALL DISASTERS AND To water LOC ICC To like reverse If life-threatening LOC To count outdoor warning		

Priority	Action Type	Lead Agency	Start Date	End Date	Funding				
5.4 West	5.4 West Mansfield will identify and remove dead or diseased trees along waterways and in the public								
domain,	and other effects of invasive	species that cause vuln	erability to dam	ages.					
30	Property Protection	Mayor Administrator	7-1-23	6-30-28	LOC				
5.5 West	t Mansfield will improve capa aditions.	city to rapidly place ten	nporary warning	g signs that in	dicate dangerous				
31	Public Information	Mayor Administrator	7-1-23	6-30-28	LOC				

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

6.1 West Mansfield will protect roadways vulnerable to compromised structural integrity, damaged berms, washed away foundations or abutments, or other deterioration due to extreme runoff or specific highly vulnerable soil types.

32 Nat. Resource Protection	Mayor Administrator	7-1-23	6-30-28	LOC	
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3.3.13 Zanesfield

Zanesfield sits high atop the hills of Logan County, and is home to many residents who work in business and industry in several counties that join together near the village. This quaint collection of historic homes sits in a peaceful setting with wooded areas, ample vegetation, and natural surroundings. This self-sufficient community is mostly concerned about wind storms, communicating with other entities in Logan County after disasters, and utility outages. Flooding and erosion are of only minor concern as they occupy some of the highest elevations in all of Ohio. Dam failure is not a concern for Zanesfield.

Table 3-14: Zanesfield Mitigation Goals and Strategies

Priority	y Action Type	Lead Agency	Start Date	End Date	Funding			
	: ZANESFIELD WILL EMPLOY N TORMS, INCLUDING WIND, ST				RED FROM SEVERE			
	esfield will advocate proper tri		~	ce damages o	caused by wind,			
especially where trees are infected with disease like Emerald Ash Borer. 1 Property Protection Mayor 7-1-23 6-30-28 LOC								
	esfield will support the construents or shelters.	uction of safe rooms fo	r single and mult	ti-family hom	es without			
					LOC			
2	Property Protection	Mayor	7-1-23	6-30-28	PDM			
					BRIC			

GOAL 2: ZANESFIELD 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 LOGAN COUNTY.

2.1 Zanesfield will develop a multi-part communication system to notify all residents of protective action orders, warnings and notification, and other critical lifesaving information.

3	Public Information	Mayor	7-1-23	6-30-28	LOC HSGP/EMPG
services,	esfield will educate the public ab orinted information, availab orinted information, and other o	ole assistance, and		The second secon	
4	Public Information	Mayor	7-1-23	6-30-28	LOC HSGP/EMPG
	ZANESFIELD WILL ENGAGE IN N S, INCLUDING THUNDERSTORMS				
	sfield will establish water conse rought or contamination.	rvation procedure	es to be implemen	ted during wa	ter emergencies
5	Nat. Resource Protection	Mayor	7-1-23	6-30-28	LOC ICC
	esfield will maintain and improve sed to deliver warnings and not		are, and capital eq	uipment (out	door warning
6	Public Information	Mayor	7-1-23	6-30-28	LOC EMPG/HSGP
	sfield will identify and remove o				e public domain. LOC
7	Property Protection	Mayor	7-1-23	6-30-28	ICC
weather	esfield will educate the public ab radios, warning sirens, and digingency incidents.				reatening storms
8	Public Information	Mayor	7-1-23	6-30-28	LOC EMPG/HSGP
	ZANESFIELD WILL ENGAGE IN N CES SUCH AS TOPSOIL AND WA			AND PROTE	CT NATURAL
washed	esfield will protect roadways vulu away foundation or abutments, ole soil types.				
9	Property Protection	Mayor	7-1-23	6-30-28	LOC ICC
GOAL 5:	ZANESFIELD WILL ENGAGE IN N	MITIGATION ACTI	ONS THAT REDUC	E DAMAGES F	ROM FLOODING.
	esfield will maintain NFIP participy review flood maps to ensure in es.				
10	Property Protection	Mayor	7-1-23	6-30-28	LOC
	esfield will advocate and support		•		
11 5 2 7apo	Prevention esfield will maintain existing loca	Mayor	7-1-23	6-30-28	LOC
	ourage sustainable disaster-resi			and other laf	
12	Property Protection	Mayor	7-1-23	6-30-28	LOC ICC
5.4 Zane	sfield will use financial aid for fl	ood mitigation th	rough grants, fees,	and other sp	ecial programs.

IOC

					LUC
13	Property Protection	Mayor	7-1-23	6-30-28	PDM
					BRIC
5.5 Zar and er	nesfield will implement improverosion.	ments to the ditch	n maintenance pro	gram to reduc	e sedimentation
14	Nat. Resource Protection	Mayor	7-1-23	6-30-28	LOC
14	Nat. Resource Protection	Mayor	7-1-25	0-30-28	ICC
5.6 Zar	nesfield will remove debris and c	bstructions from	waterways.		
15	Property Protection	Mayor	7-1-23	6-30-28	LOC
13	Property Protection	iviayoi	7-1-25	0-30-26	ICC
repair roadw	nesfield will make improvements of shoulders and berms, increas ays from storm and flood damag ng and damage.	e in culvert size, n	naintenance of bri	dge slopes and	protection of
16	Property Protection	Mayor	7-1-23	6-30-28	LOC

GOAL 6 THE VILLAGE OF ZANESFIELD WILL ASSESS ITS VULNERABILITY TO EARTHQUAKE, TAKING INTO CONSIDERATION THE HISTORY OF INCIDENT SEVERIETY AND THE BUILDIGNS OR INFRASTRUCTURE AT RISK IN THE VILLAGE.

6.1 Zanesfield will assess it vulnerability to earthquake by identifying any critical facilities or key resources that may be negatively affected by an earthquake of a 5.0 magnitude.

17 Property Protection Mayor 7-1-23 6-30-28 LOC

3.3.11 Strategy Descriptors

Each strategy developed by the jurisdictions, and explained in the previous section, 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 are often a high priority and generally not significantly expensive, so they may be accomplished more quickly than other actions. Upgrading communication and notification/warning systems is more difficult 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, takes longer to accomplish because it involves a twophase action plan. Last on the completion list are likely to be structural projects 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 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 the assigned exact order, depending on availability of funds, personnel to assume responsibilities, and many 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 normal functions
- Prevention Avoid hazard problems or stop impact from worsening
- Property Protection Protect property or 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 as well as inform them of protective actions, impending impact, and other critical information unique to a specific incident
- Structurally Engineered Project Lessen the impact of a hazard by modifying the environment or by stopping progression of the hazard event through designed and engineered projects that modify natural or man-made structures

Lead Agency

The lead agency (official or worker) 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 convert 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 planning effort and plays a key role in advocating that the project be considered, 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. 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. In some cases, the lead agency may utilize more than one person to serve as the champion of the strategy.

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 when a timeline is identified as only part of the plan validity period, depending on funding, grant opportunities, or changes in priorities as other critical activities are adjusted to meet evolving community needs. Most actions were considered to be valid for the entire period of the plan validity and could be done at any time, or done multiple times in multiple locations. At the time of plan development, the community representatives were not ready to assign varying time lines to the various projects, and felt that by assigning the entire validity period of the plan as the timeframe, they would allow for the greatest success. As Logan County reviews this mitigation plan annually, the timelines will be reviewed, adjusted, and modified as appropriate. Many will be accomplished as funding allows and as grant opportunities occur.

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
- BRIC Building Resilient Infrastructure in Communities program
- 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, including county, municipal, and township
- ST State Funds
- OTH Other (including private funds and non-governmental agency funding)

3.3.12 Strategy-Risk Correlation

Hazard mitigation efforts must address the identified threats in each community. Not all communities validated the same threats due to differences in historical impact, population characteristics, community resources available to respond, and an array of other factors. Changes in the perception of risk took into consideration the human tendency to over-value recent incidents and not recall significant events in past years, especially those not experienced by current community members. There was significant effort made to objectively assess and apply all past incidents to the findings for this plan without an emphasis upon any historical event.

The following chart shows which strategies address each identified hazard in Logan County communities. Some strategies address more than one threat or address a consequence, such as a power outage, that is due to an identified threat. Some hazards produce the same threats as others, and for ease of implementation, these were listed as strategies one time.

			Tabl	e 3-13.	Suau	egy-na	zaru C	Ullelati	on Char	L			
	Logan County	Bellefontaine	Belle Center	DeGraff	Huntsville	Lakeview	Qunicy	Rushsylvania	Russells Point	Valley Hi	West Liberty	West Mansfield	Zanesfield
Windstorm	1.16 3.1-3 4.2-6 4.8 4.10 5.1-7	1.1-4 2.1-2 3.1-7 5.1,2,5	2.1-5 3.1-4 6.3	2.1-2 3.1-2 4.1- 4*		2.1-3 3.1-2 4.5 5.1-4	1.1-4 2.1 3.1, 3.3-6 6.1-7	1.1-2 2.1-2 5.1-3	2.1-3 4.1 5.1-3	1.1 4.1	1.1-3 2.1-5 3.1	2.1-4 4.1-2	1.1-2 3.2, 4

Table 3-15: Strategy-Hazard Correlation Chart

1.16 2.1-2 2.1-5 2.1-2 2.1-3 1.1-4 1.1-2 2.1-3 1.1 1.1-3 3.1-3 3.1-7 3.1-4 3.1-2 2.1 2.1-2 4.1 4.1 4.1 4.1 4.1 4.1 4.1 4.1 4.1 4.1 4.1 5.1-3 5.1-3 5.1-3 5.1-3	2.1-4 4.1-2	1.1-2 2.1-2
4.2-6 5.1-2, 5 6.3 4.1- 4* 5.1-4 3.1 3.3-6 5.1-3 5.1-3		2.1-2
4.8 4.8 3.3-6		3.2, 4
5.1-7	2.4.4	242
E 1.1-6 1.1-4 2.1-5 3.1-2 3.1-2 2.1 2.1-2 4.1 1.1 2.1-5 3.1-3 2.1-2 4.1 4.1-4 4.1-4	2.1-4 4.1-2	2.1-2
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1.1 1.1-4 2.1-5 3.1-2 3.1-2 2.1-2 2.1 4.1 1.1 2.1-5	3.1,2,6	2.1-2
3.1-3 2.1-2 3.1-4 4.1- 4.5 3.1 4.1 5.1-3 2.1-2 3.1-2	4.1-2	3.2, 4
B 4.2-4 3.1-7 4.1 4* 5.1-4 3.3-6 5.1-3 4.1 4.1-4 4.8-10 6.1-2 6.1-2 5.1-4 3.3-6 5.1-3 4.1 4.1-4		
4.8-10 6.1-2		
5.1-7		
9 4.2 7.1 2.1, 4 7.1 7.1 6.1-8 7.1 7.1 4.2 7.1	4.2	6.1
5.1,4,		
5 8.1-3		
9 4.2 7.1 2.1, 4 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 </th <th></th> <th></th>		
2.3 6.1-3 5.1 1.12 6.1-2 4.16 6.2 1.10 3.1 6.1 2.17 6.1 6.1	1.10 6.1	4.1
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	5.4	5.5
2.15 4.1 7.1 6.3 4.1 5.6		
2.9,10 n/a n/a 1.6 4.13- n/a 1.6 n/a n/a	1.15	n/a
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Pailure Failure		
3.1-3 2.2 6.4 n/a 4.2 2.2 n/a 3.1, 3 4.4	4.2	3.1
8 Head 4.7 3.1-7 5.4 3.1-7 5.4	5.1	
변화 보 5.4		

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 Logan County.

The EMA will monitor the implementation of these strategies through ongoing communication with officials and stakeholders. Not all actions are championed by the EMA because the details of the strategy align more closely with another agency. When grant opportunities arise, reasonable efforts will be made to secure funding by whatever agency is most appropriate to apply for the 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. Some may be dependent upon an assessment or fee, or increased service rates. 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, Logan 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. The participants adopted an assertive approach to mitigation actions, and did not allow financial constraints or past experiences negate ideas that could potentially solve a problem. While their approach may be considered highly optimistic, all participants realized that not all actions will be achieved or completed, but that their assertive approach brought as many ideas to the table as possible and would open mitigation doors to them to truly prevent and lessen damages in the future.

Given the availability of funding, personnel, and support, Logan 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.