

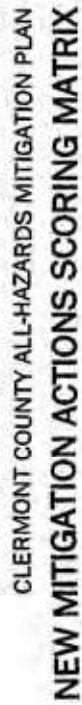


NEW MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	Applicable to your jurisdiction?	Cost-Effective	Technically Feasible	Environmentally Sound	Immediate Need	Total Risk Reduction	Comments
Terrorism							
1. Encourage critical infrastructure to implement protective measures at their facilities.	Y	3	3	3	3	3	
2. Continue to refine emergency operation plans to respond to and recover from potential acts of terrorism.							
3. Encourage government agencies to review and update emergency plans, communications procedures, and continuity of operation plans.	Y	3	3	3	2	3	
4. Coordinate with local law enforcement to ensure the safety of large public gathering events.	Y	3	4	3	3	3	
5. Provide guidance to schools, churches, government agencies, health care facilities, and other critical facilities on improving protection, preparedness, response, and recovery activities to an active aggressor threat.	Y	4	4	3	3	4	
Landslides							
1. Develop a map of landslide prone areas.	Y	3	2	3	2	3	
2. Develop a slide-prone area ordinance to limit fill or dumping and address drainage or other landslide related problems.	Y	2	2	3	3	3	
3. Develop drainage control regulations to reduce the risk of landslides resulting from saturated soils.	Y	2	2	3	1	4	
4. Develop grading ordinances which require developers and landowners to obtain permits prior to filling or regrading.	Y	3	3	3	4	4	
5. Implement Sanitary System Codes to reduce the effect of drainage on landslides by limiting the type and location of sanitary systems.	2						
6. Consider relocation of structures to less hazardous locations.							
7. Consider acquisition of land and structures and enforce permanent restrictions on development.	Y	4	3	3	3	3	
8. Implement Restraining Structures to hold soil in place.	Y	2	3	3	4	4	
9. Implement Debris-Flow Measures, such as stabilization, energy dissipation, and flow control measures, to reduce damage in sloping areas.	Y	2	2	3	3	3	
10. Implement Grading to increase slope stability.	Y	3	2	3	3	3	
11. Consider Vegetation Placement and Management Plans to increase soil stability.	Y	3	2	3	3	3	
12. Consider placement of utilities. (Placing utilities outside of landslide areas decreases the risk of service disruption.)	Y	2	3	2	3	3	
13. Implement Abatement Districts to pool resources to mitigate common hazards.	Y						



Hazard & Associated Mitigation Action	Applicable to your jurisdiction?	Cost-Effective	Technically Feasible	Environmentally Sound	Immediate Need	Total Risk Reduction	Comments
Invasive Species							
1. Implement an invasive species education program that covers associated hazards, identification, behavior, and quarantine procedures.							
2. Share information with the public that explains the importance of not importing or exporting firewood.							
3. Collaborate with wildlife managers, agricultural producers, and hunters to develop an action plan to address feral swine in Clermont County.							
4. Work with agricultural producers to monitor and minimize nutrient runoff in order to prevent Harmful Algal Blooms.							
Extreme Temperatures							
1. Provide guidance and resources for vulnerable populations during extreme temperature events.							
2. Provide guidance and resources on utility assistance programs.							
Drought							
1. Encourage property owners to prepare for droughts by installing equipment that reduces water use.							
2. Develop water storage plans, water use ordinances, contingency plans, and water delivery systems in water utility operating plans.							
3. Encourage farmers to purchase crop insurance.							
Wildfire							
1. Implement outreach efforts to promote fire safe construction.							
2. Promote public education on smoking hazards and recreational fire risks.							
3. Provide public education on extreme fire danger and red flag warnings, including what it means and what actions to take when it is issued.							
4. Develop public education materials on when and where open burning is permissible, and when a permit is required.							
5. Review and update local codes and ordinances to reduce the risk and effects of wildfire.							
Earthquakes							
1. Ensure building codes and ordinances address earthquakes, such as buildings as structural hazards, non-structural hazards, infrastructure hardening, bridge strengthening, and amend as needed.							
2. Use community outreach activities to foster an awareness of earthquake mitigation activities in homes, schools, and businesses.							
3. Work with insurance industry representatives to increase public awareness of the importance of earthquake insurance for home and building owners.							



Additional Mitigation Actions?

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CLERMONT COUNTY ALL-HAZARDS MITIGATION PLAN
NEW MITIGATION ACTIONS SCORING MATRIX

NAME: Vince Bee

JURISDICTION: New Richmond

Hazard & Associated Mitigation Action	Applicable to your jurisdiction?	Cost-Effective	Technically Feasible	Environmentally Sound	Immediate Need	Total Risk Reduction	Comments
All Hazards							
1. Develop/update back-up power generation capabilities at critical government facilities (e.g. temporary storm safe locations, community EOCs).	Yes	5	5	5	5	5	
2. Develop/update Continuity of Operations Plans	Yes	5	5		5	5	
3. Provide public education and outreach on disaster preparedness including websites, newsletters, social media, Preparedness Month events, etc.	Yes	5	5		4	4	
4. Develop or update Emergency Operation Plans	Yes	5	5		5	5	Already Maintained
5. Maintain an all-hazard outdoor warning siren system, including repairing, replacing, and upgrading.	Yes	5	5		5	5	Already Maintained
6. Continue fire code enforcement activities	Yes	5	5		3	3	
7. Update building and zoning codes to limit exposure to or prepare for potential hazards.	Yes	5	5		3	3	
Flooding							
1. Improve storm water management system.	Yes	5	3		3	4	
2. Identify and study poor draining areas to control flooding.	Yes	5	4		3	4	
3. Repair or replace ditching and culverts to control flooding.	Yes	5	4		3	4	
4. Continue to identify and study riverbank stabilization opportunities.	Yes	5	4		3	4	
5. Provide mitigation option guidance to property owners of Repetitive Loss and Severely Repetitive Loss Structures, such as acquisition, relocation, elevation, dry flood proofing, and wet flood proofing.	Yes	5	4		3	4	
6. Continue to implement floodplain regulations.	Yes	5	4		3	4	
7. Encourage residents in flood prone areas to purchase flood insurance.	Yes	5	4		3	4	
Severe Storms							
1. A public education campaign on having multiple means to receive severe weather notifications, such as weather radios, smart phone apps, social media feeds, and/or registration for mass notification systems.	Yes	4	4		4	4	
2. Create a Standard Operating Guideline for the timely clearing of roads from debris caused by severe storms.	Yes	4	4		4	4	
3. Maintain StormReady Certification	Yes	4	4		4	4	
4. Adopting new or amend existing ordinances to include guidelines on building construction, surge and lightning protection, roofing shingles, and backup power devices.	Yes	4	4		4	4	



Hazard & Associated Mitigation Action	Applicable to your jurisdiction?	Cost-Effective	Technically Feasible	Environmentally Sound	Immediate Need	Total Risk Reduction	Comments
Tornadoes							
1. Adopt stronger construction standards to address high winds and tornadoes .							
2. Promote the Ohio Safe Room Rebate Program for the construction and installation of residential safe rooms.	yes	1	2		1	2	
3. Require tie-downs for manufactured homes placed on land in Clermont County and its municipalities.							
4. Identify tornado safe locations for residents to seek shelter during tornadoes/high wind events, through coordination with local municipalities.							
Hazardous Materials Accidents							
1. Develop a Wellhead Protection Plan	yes		5		5	5	
2. Organize an annual drill to prepare for a disaster involving hazardous materials.	yes		5		5	5	Already doing
3. Report what hazardous materials are being handled on-site and amounts according to regulation.	yes		5		5	5	
4. Update commodity flow study to identify types and volume of hazardous materials transported via river, pipeline, truck, rail, and plane.	yes		5		5	5	
Utility Failure							
1. Tree trimming in right of ways along utility lines	yes		5		5	5	
2. Work with local utilities to ensure that construction requirements include burying/protecting power lines, designed failure, and tree management.							
Winter Storms							
1. Provide public education on winter weather safety, including family/traveler emergency preparedness, driver safety, and animal protection.	yes	5	5		5	5	Pam
2. Review local codes and ordinances and modify as needed, to reduce the possibility of damage from winter storms.							
3. Prepare local government for severe winter storms by utilizing snow fences to fight blowing and drifting of snow over critical roadway segments.							
Dam Failure							
1. Coordinate with ODNR to implement Dam Safety Program	yes	3	3		3	3	
2. Ensure dam owners develop/update their dam safety plan	yes	3	3		3	3	
3. Ensure dam owners are prepared to respond should their dam fail	yes	3	3		3	3	
4. Identify downstream risk should dam failure occur	yes	3	3		3	3	
5. Coordinate with local communities to ensure they understand risk to dam failures and the impact it would have on their community.	yes	3	3		3	3	



CLERMONT COUNTY ALL-HAZARDS MITIGATION PLAN
NEW MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	Applicable to your jurisdiction?	Cost-Effective	Technically Feasible	Environmentally Sound	Immediate Need	Total Risk Reduction	Comments
Terrorism							
1. Encourage critical infrastructure to implement protective measures at their facilities.	Yes	5	5		5	5	
2. Continue to refine emergency operation plans to respond to and recover from potential acts of terrorism.							
3. Encourage government agencies to review and update emergency plans, communications procedures, and continuity of operation plans.							
4. Coordinate with local law enforcement to ensure the safety of large public gathering events.							
5. Provide guidance to schools, churches, government agencies, health care facilities, and other critical facilities on improving protection, preparedness, response, and recovery activities to an active aggressor threat.	Yes	5	5		5	5	
Landslides							
1. Develop a map of landslide prone areas.	Yes	5	5		4	4	
2. Develop a slide-prone area ordinance to limit fill or dumping and address drainage or other landslide related problems.							
3. Develop drainage control regulations to reduce the risk of landslides resulting from saturated soils.							
4. Develop grading ordinances which require developers and landowners to obtain permits prior to filling or regrading.							
5. Implement Sanitary System Codes to reduce the effect of drainage on landslides by limiting the type and location of sanitary systems.							
6. Consider relocation of structures to less hazardous locations.							
7. Consider acquisition of land and structures and enforce permanent restrictions on development.							
8. Implement Restraining Structures to hold soil in place.							
9. Implement Debris-Flow Measures, such as stabilization, energy dissipation, and flow control measures, to reduce damage in sloping areas.							
10. Implement Grading to increase slope stability.							
11. Consider Vegetation Placement and Management Plans to increase soil stability.							
12. Consider placement of utilities. (Placing utilities outside of landslide areas decreases the risk of service disruption.)							
13. Implement Abatement Districts to pool resources to mitigate common hazards.							



Hazard & Associated Mitigation Action	Applicable to your jurisdiction?	Cost-Effective	Technically Feasible	Environmentally Sound	Immediate Need	Total Risk Reduction	Comments
Invasive Species							
1. Implement an invasive species education program that covers associated hazards, identification, behavior, and quarantine procedures.	Yes	5	5		5	5	
2. Share information with the public that explains the importance of not importing or exporting firewood.	Yes	5	5		5	5	
3. Collaborate with wildlife managers, agricultural producers, and hunters to develop an action plan to address feral swine in Clermont County.							ODNR
4. Work with agricultural producers to monitor and minimize nutrient runoff in order to prevent Harmful Algal Blooms.	Yes	5	5		5	5	
Extreme Temperatures							
1. Provide guidance and resources for vulnerable populations during extreme temperature events.	Yes	5	5		5	5	
2. Provide guidance and resources on utility assistance programs.	Yes	5	5		5	5	
Drought							
1. Encourage property owners to prepare for droughts by installing equipment that reduces water use.	Yes	5	5		3	3	
2. Develop water storage plans, water use ordinances, contingency plans, and water delivery systems in water utility operating plans.	Yes	5	5		3	3	
3. Encourage farmers to purchase crop insurance.							
Wildfire							
1. Implement outreach efforts to promote fire safe construction.	Yes	4	5		5	5	
2. Promote public education on smoking hazards and recreational fire risks.	Yes	4	5		5	5	
3. Provide public education on extreme fire danger and red flag warnings, including what it means and what actions to take when it is issued.	Yes	5	5		5	5	
4. Develop public education materials on when and where open burning is permissible, and when a permit is required.	Yes	5	5		5	5	
5. Review and update local codes and ordinances to reduce the risk and effects of wildfire.	Yes	5	5		5	5	
Earthquakes							
1. Ensure building codes and ordinances address earthquakes, such as buildings as structural hazards, non-structural hazards, infrastructure hardening, bridge strengthening, and amend as needed.	Yes						
2. Use community outreach activities to foster an awareness of earthquake mitigation activities in homes, schools, and businesses.	Yes	3	4		3	2	
3. Work with insurance industry representatives to increase public awareness of the importance of earthquake insurance for home and building owners.	Yes	3	3		3	2	

[illegible]

Name & Organization: Amber Gerhart Village of Moscow Ned Richmond**RISK ASSESSMENT SURVEY**

As part of the reporting requirements to the State, the level of risk for each hazard needs to be rated based on several factors. Consider each of the factors below and on a scale of 1 - 5 / 1 - 4, provide a best estimate on the level of risk from each hazard, where "5" / "4" indicate the worst-case and "1" represents little to no impacts, severity or effects. Consider events from the past year.

Factors for each hazard include:

- Frequency: # of local disaster declarations
- Average Duration of Response: time period of response
- Average Speed of Onset: warning time
- Average Magnitude: % of community affected
- Impact on Businesses: length of time critical facilities could be shutdown
- Impact on People: # and severity of injuries
- Impact on Property: % of severely damaged properties

	1	2	3	4	5
Flood					
Frequency (# of Local Disaster Declarations)	<input type="checkbox"/> None	<input checked="" type="checkbox"/> Low (1-2)	<input type="checkbox"/> Medium (3-5)	<input type="checkbox"/> High (6-8)	<input type="checkbox"/> Excessive (9+)
Avg. Duration of Response (Time period of response)	<input checked="" type="checkbox"/> Less than 1/2 Day	<input type="checkbox"/> Less than 1 Day	<input type="checkbox"/> Less than 1 Week	<input type="checkbox"/> Less than 1 Month	<input type="checkbox"/> Less than 1 Year
Avg. Speed of Onset (Warning Time)	<input checked="" type="checkbox"/> Over 24 Hours	<input type="checkbox"/> 12 - 24 Hours	<input type="checkbox"/> 6 - 12 Hours	<input type="checkbox"/> Little to No Warning	
Avg. Magnitude (% of Community Affected)	<input type="checkbox"/> Less than 10%	<input checked="" type="checkbox"/> 10% - 25%	<input type="checkbox"/> 25% - 50%	<input type="checkbox"/> Greater than 50%	
Impact on Businesses (Length of time critical facilities could be shutdown)	<input type="checkbox"/> Less 24 Hours	<input checked="" type="checkbox"/> 1 Week	<input type="checkbox"/> 2 Weeks	<input type="checkbox"/> 30 Days or More	
Impact on People (# and Severity of Injuries)	<input checked="" type="checkbox"/> No injuries	<input type="checkbox"/> Some Minor Injuries	<input type="checkbox"/> Multiple Severe Injuries	<input type="checkbox"/> Multiple Deaths	
Impact on Property (% of severely damaged properties)	<input checked="" type="checkbox"/> Less than 10%	<input type="checkbox"/> 10% - 25%	<input type="checkbox"/> 25% - 50%	<input type="checkbox"/> Greater than 50%	



CLERMONT COUNTY ALL-HAZARDS MITIGATION PLAN

Severe Storms					
	1	2	3	4	5
Frequency (# of Local Disaster Declarations)	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Low (1-2)	<input type="checkbox"/> Medium (3-5)	<input type="checkbox"/> High (6-8)	<input type="checkbox"/> Excessive (9+)
Avg. Duration of Response (Time period of response)	<input type="checkbox"/> Less than 1/2 Day	<input type="checkbox"/> Less than 1 Day	<input type="checkbox"/> Less than 1 Week	<input type="checkbox"/> Less than 1 Month	<input type="checkbox"/> Less than 1 Year
Avg. Speed of Onset (Warning Time)	<input type="checkbox"/> Over 24 Hours	<input type="checkbox"/> 12 - 24 Hours	<input type="checkbox"/> 6 - 12 Hours	<input type="checkbox"/> Little to No Warning	
Avg. Magnitude (% of Community Affected)	<input type="checkbox"/> Less than 10%	<input type="checkbox"/> 10% - 25%	<input type="checkbox"/> 25% - 50%	<input type="checkbox"/> Greater than 50%	
Impact on Businesses (Length of time critical facilities could be shutdown)	<input type="checkbox"/> Less 24 Hours	<input type="checkbox"/> 1 Week	<input type="checkbox"/> 2 Weeks	<input type="checkbox"/> 30 Days or More	
Impact on People (# and Severity of Injuries)	<input type="checkbox"/> No injuries	<input type="checkbox"/> Some Minor Injuries	<input type="checkbox"/> Multiple Severe Injuries	<input type="checkbox"/> Multiple Deaths	
Impact on Property (% of severely damaged properties)	<input type="checkbox"/> Less than 10%	<input type="checkbox"/> 10% - 25%	<input type="checkbox"/> 25% - 50%	<input type="checkbox"/> Greater than 50%	

Tornadoes					
	1	2	3	4	5
Frequency (# of Local Disaster Declarations)	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Low (1-2)	<input type="checkbox"/> Medium (3-5)	<input type="checkbox"/> High (6-8)	<input type="checkbox"/> Excessive (9+)
Avg. Duration of Response (Time period of response)	<input type="checkbox"/> Less than 1/2 Day	<input type="checkbox"/> Less than 1 Day	<input type="checkbox"/> Less than 1 Week	<input type="checkbox"/> Less than 1 Month	<input type="checkbox"/> Less than 1 Year
Avg. Speed of Onset (Warning Time)	<input type="checkbox"/> Over 24 Hours	<input type="checkbox"/> 12 - 24 Hours	<input type="checkbox"/> 6 - 12 Hours	<input type="checkbox"/> Little to No Warning	
Avg. Magnitude (% of Community Affected)	<input type="checkbox"/> Less than 10%	<input type="checkbox"/> 10% - 25%	<input type="checkbox"/> 25% - 50%	<input type="checkbox"/> Greater than 50%	
Impact on Businesses (Length of time critical facilities could be shutdown)	<input type="checkbox"/> Less 24 Hours	<input type="checkbox"/> 1 Week	<input type="checkbox"/> 2 Weeks	<input type="checkbox"/> 30 Days or More	
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Impact on Property (% of severely damaged properties)	<input type="checkbox"/> Less than 10%	<input type="checkbox"/> 10% - 25%	<input type="checkbox"/> 25% - 50%	<input type="checkbox"/> Greater than 50%	



CLERMONT COUNTY ALL-HAZARDS MITIGATION PLAN

	1	2	3	4	5
Landslides					
Frequency (# of Local Disaster Declarations)	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Low (1-2)	<input type="checkbox"/> Medium (3-5)	<input type="checkbox"/> High (6-8)	<input type="checkbox"/> Excessive (9+)
Avg. Duration of Response (Time period of response)	<input type="checkbox"/> Less than 1/2 Day	<input type="checkbox"/> Less than 1 Day	<input type="checkbox"/> Less than 1 Week	<input type="checkbox"/> Less than 1 Month	<input type="checkbox"/> Less than 1 Year
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Avg. Magnitude (% of Community Affected)	<input type="checkbox"/> Less than 10%	<input type="checkbox"/> 10% - 25%	<input type="checkbox"/> 25% - 50%	<input type="checkbox"/> Greater than 50%	
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Impact on People (# and Severity of Injuries)	<input type="checkbox"/> No injuries	<input type="checkbox"/> Some Minor Injuries	<input type="checkbox"/> Multiple Severe Injuries	<input type="checkbox"/> Multiple Deaths	
Impact on Property (% of severely damaged properties)	<input type="checkbox"/> Less than 10%	<input type="checkbox"/> 10% - 25%	<input type="checkbox"/> 25% - 50%	<input type="checkbox"/> Greater than 50%	

	1	2	3	4	5
Hazardous Materials Accident					
Frequency (# of Local Disaster Declarations)	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Low (1-2)	<input type="checkbox"/> Medium (3-5)	<input type="checkbox"/> High (6-8)	<input type="checkbox"/> Excessive (9+)
Avg. Duration of Response (Time period of response)	<input type="checkbox"/> Less than 1/2 Day	<input type="checkbox"/> Less than 1 Day	<input type="checkbox"/> Less than 1 Week	<input type="checkbox"/> Less than 1 Month	<input type="checkbox"/> Less than 1 Year
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Avg. Magnitude (% of Community Affected)	<input type="checkbox"/> Less than 10%	<input type="checkbox"/> 10% - 25%	<input type="checkbox"/> 25% - 50%	<input type="checkbox"/> Greater than 50%	
Impact on Businesses (Length of time critical facilities could be shutdown)	<input type="checkbox"/> Less 24 Hours	<input type="checkbox"/> 1 Week	<input type="checkbox"/> 2 Weeks	<input type="checkbox"/> 30 Days or More	
Impact on People (# and Severity of Injuries)	<input type="checkbox"/> No injuries	<input type="checkbox"/> Some Minor Injuries	<input type="checkbox"/> Multiple Severe Injuries	<input type="checkbox"/> Multiple Deaths	
Impact on Property (% of severely damaged properties)	<input type="checkbox"/> Less than 10%	<input type="checkbox"/> 10% - 25%	<input type="checkbox"/> 25% - 50%	<input type="checkbox"/> Greater than 50%	



CLERMONT COUNTY ALL-HAZARDS MITIGATION PLAN

Dam Failure	1	2	3	4	5
Frequency (# of Local Disaster Declarations)	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Low (1-2)	<input type="checkbox"/> Medium (3-5)	<input type="checkbox"/> High (6-8)	<input type="checkbox"/> Excessive (9+)
Avg. Duration of Response (Time period of response)	<input type="checkbox"/> Less than 1/2 Day	<input type="checkbox"/> Less than 1 Day	<input type="checkbox"/> Less than 1 Week	<input type="checkbox"/> Less than 1 Month	<input type="checkbox"/> Less than 1 Year
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Avg. Magnitude (% of Community Affected)	<input type="checkbox"/> Less than 10%	<input type="checkbox"/> 10% - 25%	<input type="checkbox"/> 25% - 50%	<input type="checkbox"/> Greater than 50%	
Impact on Businesses (Length of time critical facilities could be shutdown)	<input type="checkbox"/> Less than 24 Hours	<input type="checkbox"/> 1 Week	<input type="checkbox"/> 2 Weeks	<input type="checkbox"/> 30 Days or More	
Impact on People (# and Severity of Injuries)	<input type="checkbox"/> No injuries	<input type="checkbox"/> Some Minor Injuries	<input type="checkbox"/> Multiple Severe Injuries	<input type="checkbox"/> Multiple Deaths	
Impact on Property (% of severely damaged properties)	<input type="checkbox"/> Less than 10%	<input type="checkbox"/> 10% - 25%	<input type="checkbox"/> 25% - 50%	<input type="checkbox"/> Greater than 50%	

Invasive Species (Emerald Ash Borer & Asian Longhorn Beetle)	1	2	3	4	5
Frequency (# of Local Disaster Declarations)	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Low (1-2)	<input type="checkbox"/> Medium (3-5)	<input type="checkbox"/> High (6-8)	<input type="checkbox"/> Excessive (9+)
Avg. Duration of Response (Time period of response)	<input type="checkbox"/> Less than 1/2 Day	<input type="checkbox"/> Less than 1 Day	<input type="checkbox"/> Less than 1 Week	<input type="checkbox"/> Less than 1 Month	<input type="checkbox"/> Less than 1 Year
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Avg. Magnitude (% of Community Affected)	<input type="checkbox"/> Less than 10%	<input type="checkbox"/> 10% - 25%	<input type="checkbox"/> 25% - 50%	<input type="checkbox"/> Greater than 50%	
Impact on Businesses (Length of time critical facilities could be shutdown)	<input type="checkbox"/> Less than 24 Hours	<input type="checkbox"/> 1 Week	<input type="checkbox"/> 2 Weeks	<input type="checkbox"/> 30 Days or More	
Impact on People (# and Severity of Injuries)	<input type="checkbox"/> No injuries	<input type="checkbox"/> Some Minor Injuries	<input type="checkbox"/> Multiple Severe Injuries	<input type="checkbox"/> Multiple Deaths	
Impact on Property (% of severely damaged properties)	<input type="checkbox"/> Less than 10%	<input type="checkbox"/> 10% - 25%	<input type="checkbox"/> 25% - 50%	<input type="checkbox"/> Greater than 50%	



CLERMONT COUNTY ALL-HAZARDS MITIGATION PLAN

Utility Failure	1	2	3	4	5
Frequency (# of Local Disaster Declarations)	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Low (1-2)	<input type="checkbox"/> Medium (3-5)	<input type="checkbox"/> High (6-8)	<input type="checkbox"/> Excessive (9+)
Avg. Duration of Response (Time period of response)	<input type="checkbox"/> Less than 1/2 Day	<input type="checkbox"/> Less than 1 Day	<input type="checkbox"/> Less than 1 Week	<input type="checkbox"/> Less than 1 Month	<input type="checkbox"/> Less than 1 Year
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Avg. Magnitude (% of Community Affected)	<input type="checkbox"/> Less than 10%	<input type="checkbox"/> 10% - 25%	<input type="checkbox"/> 25% - 50%	<input type="checkbox"/> Greater than 50%	
Impact on Businesses (Length of time critical facilities could be shutdown)	<input type="checkbox"/> Less 24 Hours	<input type="checkbox"/> 1 Week	<input type="checkbox"/> 2 Weeks	<input type="checkbox"/> 30 Days or More	
Impact on People (# and Severity of Injuries)	<input type="checkbox"/> No injuries	<input type="checkbox"/> Some Minor Injuries	<input type="checkbox"/> Multiple Severe Injuries	<input type="checkbox"/> Multiple Deaths	
Impact on Property (% of severely damaged properties)	<input type="checkbox"/> Less than 10%	<input type="checkbox"/> 10% - 25%	<input type="checkbox"/> 25% - 50%	<input type="checkbox"/> Greater than 50%	

Drought	1	2	3	4	5
Frequency (# of Local Disaster Declarations)	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Low (1-2)	<input type="checkbox"/> Medium (3-5)	<input type="checkbox"/> High (6-8)	<input type="checkbox"/> Excessive (9+)
Avg. Duration of Response (Time period of response)	<input type="checkbox"/> Less than 1/2 Day	<input type="checkbox"/> Less than 1 Day	<input type="checkbox"/> Less than 1 Week	<input type="checkbox"/> Less than 1 Month	<input type="checkbox"/> Less than 1 Year
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Impact on Businesses (Length of time critical facilities could be shutdown)	<input type="checkbox"/> Less 24 Hours	<input type="checkbox"/> 1 Week	<input type="checkbox"/> 2 Weeks	<input type="checkbox"/> 30 Days or More	
Impact on People (# and Severity of Injuries)	<input type="checkbox"/> No injuries	<input type="checkbox"/> Some Minor Injuries	<input type="checkbox"/> Multiple Severe Injuries	<input type="checkbox"/> Multiple Deaths	
Impact on Property (% of severely damaged properties)	<input type="checkbox"/> Less than 10%	<input type="checkbox"/> 10% - 25%	<input type="checkbox"/> 25% - 50%	<input type="checkbox"/> Greater than 50%	



CLERMONT COUNTY ALL-HAZARDS MITIGATION PLAN

Earthquake	1	2	3	4	5
Frequency (# of Local Disaster Declarations)	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Low (1-2)	<input type="checkbox"/> Medium (3-5)	<input type="checkbox"/> High (6-8)	<input type="checkbox"/> Excessive (9+)
Avg. Duration of Response (Time period of response)	<input type="checkbox"/> Less than 1/2 Day	<input type="checkbox"/> Less than 1 Day	<input type="checkbox"/> Less than 1 Week	<input type="checkbox"/> Less than 1 Month	<input type="checkbox"/> Less than 1 Year
Avg. Speed of Onset (Warning Time)	<input type="checkbox"/> Over 24 Hours	<input type="checkbox"/> 12 - 24 Hours	<input type="checkbox"/> 6 - 12 Hours	<input type="checkbox"/> Little to No Warning	
Avg. Magnitude (% of Community Affected)	<input type="checkbox"/> Less than 10%	<input type="checkbox"/> 10% - 25%	<input type="checkbox"/> 25% - 50%	<input type="checkbox"/> Greater than 50%	
Impact on Businesses (Length of time critical facilities could be shutdown)	<input type="checkbox"/> Less 24 Hours	<input type="checkbox"/> 1 Week	<input type="checkbox"/> 2 Weeks	<input type="checkbox"/> 30 Days or More	
Impact on People (# and Severity of Injuries)	<input type="checkbox"/> No injuries	<input type="checkbox"/> Some Minor Injuries	<input type="checkbox"/> Multiple Severe Injuries	<input type="checkbox"/> Multiple Deaths	
Impact on Property (% of severely damaged properties)	<input type="checkbox"/> Less than 10%	<input type="checkbox"/> 10% - 25%	<input type="checkbox"/> 25% - 50%	<input type="checkbox"/> Greater than 50%	

Wildfire	1	2	3	4	5
Frequency (# of Local Disaster Declarations)	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Low (1-2)	<input type="checkbox"/> Medium (3-5)	<input type="checkbox"/> High (6-8)	<input type="checkbox"/> Excessive (9+)
Avg. Duration of Response (Time period of response)	<input type="checkbox"/> Less than 1/2 Day	<input type="checkbox"/> Less than 1 Day	<input type="checkbox"/> Less than 1 Week	<input type="checkbox"/> Less than 1 Month	<input type="checkbox"/> Less than 1 Year
Avg. Speed of Onset (Warning Time)	<input type="checkbox"/> Over 24 Hours	<input type="checkbox"/> 12 - 24 Hours	<input type="checkbox"/> 6 - 12 Hours	<input type="checkbox"/> Little to No Warning	
Avg. Magnitude (% of Community Affected)	<input type="checkbox"/> Less than 10%	<input type="checkbox"/> 10% - 25%	<input type="checkbox"/> 25% - 50%	<input type="checkbox"/> Greater than 50%	
Impact on Businesses (Length of time critical facilities could be shutdown)	<input type="checkbox"/> Less 24 Hours	<input type="checkbox"/> 1 Week	<input type="checkbox"/> 2 Weeks	<input type="checkbox"/> 30 Days or More	
Impact on People (# and Severity of Injuries)	<input type="checkbox"/> No injuries	<input type="checkbox"/> Some Minor Injuries	<input type="checkbox"/> Multiple Severe Injuries	<input type="checkbox"/> Multiple Deaths	
Impact on Property (% of severely damaged properties)	<input type="checkbox"/> Less than 10%	<input type="checkbox"/> 10% - 25%	<input type="checkbox"/> 25% - 50%	<input type="checkbox"/> Greater than 50%	



CLERMONT COUNTY ALL-HAZARDS MITIGATION PLAN

Terrorism	1	2	3	4	5
Frequency (# of Local Disaster Declarations)	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Low (1-2)	<input type="checkbox"/> Medium (3-5)	<input type="checkbox"/> High (6-8)	<input type="checkbox"/> Excessive (9+)
Avg. Duration of Response (Time period of response)	<input type="checkbox"/> Less than 1/2 Day	<input type="checkbox"/> Less than 1 Day	<input type="checkbox"/> Less than 1 Week	<input type="checkbox"/> Less than 1 Month	<input type="checkbox"/> Less than 1 Year
Avg. Speed of Onset (Warning Time)	<input type="checkbox"/> Over 24 Hours	<input type="checkbox"/> 12 - 24 Hours	<input type="checkbox"/> 6 - 12 Hours	<input type="checkbox"/> Little to No Warning	
Avg. Magnitude (% of Community Affected)	<input type="checkbox"/> Less than 10%	<input type="checkbox"/> 10% - 25%	<input type="checkbox"/> 25% - 50%	<input type="checkbox"/> Greater than 50%	
Impact on Businesses (Length of time critical facilities could be shutdown)	<input type="checkbox"/> Less 24 Hours	<input type="checkbox"/> 1 Week	<input type="checkbox"/> 2 Weeks	<input type="checkbox"/> 30 Days or More	
Impact on People (# and Severity of Injuries)	<input type="checkbox"/> No injuries	<input type="checkbox"/> Some Minor Injuries	<input type="checkbox"/> Multiple Severe Injuries	<input type="checkbox"/> Multiple Deaths	
Impact on Property (% of severely damaged properties)	<input type="checkbox"/> Less than 10%	<input type="checkbox"/> 10% - 25%	<input type="checkbox"/> 25% - 50%	<input type="checkbox"/> Greater than 50%	

Hurricanes/ Tropical Storms	1	2	3	4	5
Frequency (# of Local Disaster Declarations)	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Low (1-2)	<input type="checkbox"/> Medium (3-5)	<input type="checkbox"/> High (6-8)	<input type="checkbox"/> Excessive (9+)
Avg. Duration of Response (Time period of response)	<input type="checkbox"/> Less than 1/2 Day	<input type="checkbox"/> Less than 1 Day	<input type="checkbox"/> Less than 1 Week	<input type="checkbox"/> Less than 1 Month	<input type="checkbox"/> Less than 1 Year
Avg. Speed of Onset (Warning Time)	<input type="checkbox"/> Over 24 Hours	<input type="checkbox"/> 12 - 24 Hours	<input type="checkbox"/> 6 - 12 Hours	<input type="checkbox"/> Little to No Warning	
Avg. Magnitude (% of Community Affected)	<input type="checkbox"/> Less than 10%	<input type="checkbox"/> 10% - 25%	<input type="checkbox"/> 25% - 50%	<input type="checkbox"/> Greater than 50%	
Impact on Businesses (Length of time critical facilities could be shutdown)	<input type="checkbox"/> Less 24 Hours	<input type="checkbox"/> 1 Week	<input type="checkbox"/> 2 Weeks	<input type="checkbox"/> 30 Days or More	
Impact on People (# and Severity of Injuries)	<input type="checkbox"/> No injuries	<input type="checkbox"/> Some Minor Injuries	<input type="checkbox"/> Multiple Severe Injuries	<input type="checkbox"/> Multiple Deaths	
Impact on Property (% of severely damaged properties)	<input type="checkbox"/> Less than 10%	<input type="checkbox"/> 10% - 25%	<input type="checkbox"/> 25% - 50%	<input type="checkbox"/> Greater than 50%	

Mine Subsidence (sinkholes or landslides occurring due to mining activity)	1	2	3	4	5
Frequency (# of Local Disaster Declarations)	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Low (1-2)	<input type="checkbox"/> Medium (3-5)	<input type="checkbox"/> High (6-8)	<input type="checkbox"/> Excessive (9+)
Avg. Duration of Response (Time period of response)	<input type="checkbox"/> Less than 1/2 Day	<input type="checkbox"/> Less than 1 Day	<input type="checkbox"/> Less than 1 Week	<input type="checkbox"/> Less than 1 Month	<input type="checkbox"/> Less than 1 Year
Avg. Speed of Onset (Warning Time)	<input type="checkbox"/> Over 24 Hours	<input type="checkbox"/> 12 - 24 Hours	<input type="checkbox"/> 6 - 12 Hours	<input type="checkbox"/> Little to No Warning	
Avg. Magnitude (% of Community Affected)	<input type="checkbox"/> Less than 10%	<input type="checkbox"/> 10% - 25%	<input type="checkbox"/> 25% - 50%	<input type="checkbox"/> Greater than 50%	
Impact on Businesses (Length of time critical facilities could be shutdown)	<input type="checkbox"/> Less 24 Hours	<input type="checkbox"/> 1 Week	<input type="checkbox"/> 2 Weeks	<input type="checkbox"/> 30 Days or More	
Impact on People (# and Severity of Injuries)	<input type="checkbox"/> No injuries	<input type="checkbox"/> Some Minor Injuries	<input type="checkbox"/> Multiple Severe Injuries	<input type="checkbox"/> Multiple Deaths	
Impact on Property (% of severely damaged properties)	<input type="checkbox"/> Less than 10%	<input type="checkbox"/> 10% - 25%	<input type="checkbox"/> 25% - 50%	<input type="checkbox"/> Greater than 50%	

Extreme Temperatures	1	2	3	4	5
Frequency (# of Local Disaster Declarations)	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Low (1-2)	<input type="checkbox"/> Medium (3-5)	<input type="checkbox"/> High (6-8)	<input type="checkbox"/> Excessive (9+)
Avg. Duration of Response (Time period of response)	<input type="checkbox"/> Less than 1/2 Day	<input type="checkbox"/> Less than 1 Day	<input type="checkbox"/> Less than 1 Week	<input type="checkbox"/> Less than 1 Month	<input type="checkbox"/> Less than 1 Year
Avg. Speed of Onset (Warning Time)	<input type="checkbox"/> Over 24 Hours	<input type="checkbox"/> 12 - 24 Hours	<input type="checkbox"/> 6 - 12 Hours	<input type="checkbox"/> Little to No Warning	
Avg. Magnitude (% of Community Affected)	<input type="checkbox"/> Less than 10%	<input type="checkbox"/> 10% - 25%	<input type="checkbox"/> 25% - 50%	<input type="checkbox"/> Greater than 50%	
Impact on Businesses (Length of time critical facilities could be shutdown)	<input type="checkbox"/> Less 24 Hours	<input type="checkbox"/> 1 Week	<input type="checkbox"/> 2 Weeks	<input type="checkbox"/> 30 Days or More	
Impact on People (# and Severity of Injuries)	<input type="checkbox"/> No injuries	<input type="checkbox"/> Some Minor Injuries	<input type="checkbox"/> Multiple Severe Injuries	<input type="checkbox"/> Multiple Deaths	
Impact on Property (% of severely damaged properties)	<input type="checkbox"/> Less than 10%	<input type="checkbox"/> 10% - 25%	<input type="checkbox"/> 25% - 50%	<input type="checkbox"/> Greater than 50%	

Appendix F: Meeting Documentation Village of Newtonsville Surveys

Name & Organization: Village of Newtonville
HAZARD PRIORITIES
Instructions:

1. Consider each hazard below.
2. Rate each hazard on a scale of 0 to 5 based on how important each hazard is to your community.
3. If a hazard should not be studied, give it a zero (0).
4. Provide any comments you would like to share regarding your selected ratings.

Priority Rating Scale:

- 0 = Not a Priority/Remove
 1 = Lowest Priority
 2 = Low-Medium Priority
 3 = Medium Priority
 4 = Medium-High Priority
 5 = Highest Priority

2014 Hazards	Priority Ratings (0-5)
1. Flooding	2
2. Severe Storms	5
3. Tornadoes	3
4. Landslides	0
5. Hazardous Material Accident	2
6. Dam Failure	0
7. Invasive Species	1
8. Utility Failure	3
9. Drought	0
10. Earthquake	0
11. Winter Storms	2
Possible Additional Hazards	Priority Ratings (0-5)
12. Wildfire	1
13. Terrorism	0
14. Hurricanes/Tropical Storms	0
15. Mine Subsidence	0
16. Extreme Temperatures	1
Comments	

NEW MITIGATION ACTIONS SCORING MATRIX

Purpose

As part of the planning process, communities are asked to identify specific projects and activities (mitigation actions) that will help their communities achieve the long-term outcomes related to specific hazards. The status of each mitigation action is reviewed during the Hazard Mitigation Planning Process to determine the progress being made towards the County's hazard-specific goals.

The purpose of the Mitigation Actions Scoring Matrix is to determine which mitigation actions are relevant to each of the communities within Clermont County and to develop a corresponding action plan that describes how the mitigation actions will be implemented. Scores collected from this Mitigation Actions Scoring Matrix will be used to decide how the mitigation actions will be prioritized, administered, and incorporated into Clermont County's existing planning mechanisms.

Instructions

The Mitigation Actions Scoring Matrix includes the following information:

- Actions are organized by hazard. Only new actions (new strategies to consider added to updated plan) are included.
- The existing mitigation actions marked "Ongoing" or "Deferred" have been carried over from the 2014 Clermont County All-Hazards Mitigation Plan. These are included on another survey.
- The mitigation actions marked "New" have either been recommended by a community within Clermont County or derived from recommended FEMA strategies with input from Clermont County EMA.

To complete this matrix, please review each proposed mitigation action, indicate if it is applicable to your jurisdiction, and then if it is applicable score it from 1-5, with 5 being the highest possible score:

1. **Applicable to your jurisdiction? – Write Yes or No** – to indicate if you think this mitigation action is applicable to your jurisdiction. If Yes, fill out the remaining columns; if No, do not fill out the remaining columns.
2. **Cost Effective – Rank 1 – 5** – the cost effectiveness of each proposed mitigation action, with 5 being the most cost effective and 1 being the least cost effective.
3. **Technically Feasible – Rank 1 – 5** – the feasibility of each proposed mitigation action, with 5 being the most feasible and 1 being the least feasible.
4. **Environmentally Sound – Rank 1 – 5** – the proposed mitigation actions in terms of how environmentally sound they seem, with 5 being the most sound and 1 being the least sound.
5. **Immediate Need – Rank 1 – 5** – whether each proposed mitigation action is needed immediately, with 5 being the most immediate need and 1 being not an immediate need.
6. **Total Risk Reduction – Rank 1 – 5** – the proposed mitigation actions on the extent to which they will reduce the total risk of the associated hazard, with 5 being the greatest contribution to risk reduction and 1 being the least contribution to risk reduction.

In addition, if there are any mitigation actions that are not listed that should be included, please add them and score them on the last page.

Hazard & Associated Mitigation Action							
	Applicable to your jurisdiction?	Cost-Effective	Technically Feasible	Environmentally Sound	Immediate Need	Total Risk Reduction	Comments
5. Implement Sanitary System Codes to reduce the effect of drainage on landslides by limiting the type and location of sanitary systems.	NO						
6. Provide mitigation option guidance to property owners on relocation, acquisition, and site stabilization, energy dissipation, and flow control measures.	NO						
7. Implement Restraining Structures to hold soil in place.	NO						
8. Implement Debris-Flow Measures, such as stabilization, energy dissipation, and flow control measures, to reduce damage in sloping areas.	NO						
9. Implement Grading to increase slope stability.	NO						
10. Consider Vegetation Placement and Management Plans to increase soil stability.	NO						
11. Consider placement of utilities. (Placing utilities outside of landslide areas decreases the risk of service disruption.)	NO						
Invasive Species							
1. Implement an invasive species education program that covers associated hazards, identification, behavior, and quarantine procedures.	NO						
2. Share information with the public that explains the importance of not importing or exporting firewood.	NO						
3. Work with agricultural producers to monitor and minimize nutrient runoff in order to prevent Harmful Algal Blooms.	NO						
Extreme Temperatures							
1. Provide guidance and resources for vulnerable populations during extreme temperature events.	NO						
2. Provide guidance and resources on utility assistance programs.	NO						
Drought							
1. Encourage property owners to prepare for droughts by installing equipment that reduces water use.	NO						
2. Develop water storage plans, water use ordinances, contingency plans, and water delivery systems in water utility operating plans.	NO						
3. Encourage farmers to purchase crop insurance.	NO						
Wildfire							
1. Promote public education on smoking hazards and recreational fire risks.	NO						
2. Provide public education on extreme fire danger and red flag warnings, including what it means and what actions to take when it is issued.	NO						

CLERMONT COUNTY ALL-HAZARDS MITIGATION PLAN
NEW MITIGATION ACTIONS SCORING MATRIX

Additional Mitigation Actions?

Additional Mitigation Actions?

BPS Burton Planning Services

NAME:

Kevin L Haingle

JURISDICTION:

Village of Newtonville

**Hazard & Associated
Mitigation Action**

Applicable to your Jurisdiction?	Cost-Effective	Technically Feasible	Environmentally Sound	Immediate Need	Total Risk Reduction	Comments
-------------------------------------	----------------	-------------------------	--------------------------	----------------	-------------------------	----------

All Hazards

1. Develop/update back-up power generation capabilities at critical government facilities (e.g. temporary storm safe locations, community EOCs).
2. Develop/update Continuity of Operations Plans
3. Provide public education and outreach on disaster preparedness including websites, newsletters, social media, Preparedness Month events, etc.
4. Develop or update Emergency Operation Plans
5. Maintain an all-hazard outdoor warning siren system, including repairing, replacing, and upgrading.
6. Continue fire code, building code, zoning, and floodplain management enforcement activities

Flooding

1. Improve storm water management system.
2. Identify and study poor draining areas to control flooding.
3. Repair or replace ditching and culverts to control flooding.
4. Continue to identify and study riverbank stabilization opportunities.
5. Provide mitigation option guidance to property owners of Repetitive Loss and Severely Repetitive Loss Structures, such as acquisition, relocation, elevation, dry flood proofing, and wet flood proofing.
6. Encourage residents in flood prone areas to purchase flood insurance.

Severe Storms

1. A public education campaign on having multiple means to receive severe weather notifications, such as weather radios, smart phone apps, social media feeds, and/or registration for mass notification systems.
2. Create a Standard Operating Guideline for the timely clearing of roads from debris caused by severe storms.
3. Maintain StormReady Certification

Tornadoes

1. Promote the Ohio Safe Room Rebate Program for the construction and installation of residential safe rooms.
2. Identify tornado safe locations for residents to seek shelter during tornadoes/high wind events, through coordination with local municipalities.

Hazard & Associated Mitigation Action							Comments
	Applicable to your jurisdiction?	Cost-Effective	Technically Feasible	Environmentally Sound	Immediate Need	Total Risk Reduction	
Hazardous Materials Accidents							
1. Develop a Wellhead Protection Plan	NO						
2. Organize an annual drill to prepare for a disaster involving hazardous materials.	NO						
3. Report what hazardous materials are being handled on-site and amounts according to regulation.	NO						
4. Update commodity flow study to identify types and volume of hazardous materials transported via river, pipeline, truck, rail, and plane.	NO						
Utility Failure							
1. Tree trimming in right of ways along utility lines	YES						
Winter Storms							
1. Provide public education on winter weather safety.	NO						
Dam Failure							
1. Coordinate with ODNR to implement Dam Safety Program	NO						
2. Ensure dam owners develop/update their dam safety plan	NO						
3. Ensure dam owners are prepared to respond should their dam fail	NO						
4. Identify downstream risk should dam failure occur	NO						
5. Coordinate with local communities to ensure they understand risk to dam failures and the impact it would have on their community.	NO						
Terrorism							
1. Encourage critical infrastructure to implement protective measures at their facilities.	NO						
2. Coordinate with local law enforcement to ensure the safety of large public gathering events.	NO						
3. Provide guidance to schools, churches, government agencies, health care facilities, and other critical facilities on improving protection, preparedness, response, and recovery activities to an active aggressor threat.	NO						
Landslides							
1. Develop a map of landslide prone areas.	NO						
2. Enforce slide-prone area ordinance to limit fill or dumping and address drainage or other landslide related problems.	NO						
3. Enforce drainage control regulations to reduce the risk of landslides resulting from saturated soils.	NO						
4. Develop grading ordinances which require developers and landowners to obtain permits prior to filling or regrading.	NO						

Appendix F: Meeting Documentation Village of Owensville Surveys

Name & Organization: Rick McEvoy Owensville
HAZARD PRIORITIES
Instructions:

1. Consider each hazard below.
2. Rate each hazard on a scale of 0 to 5 based on how important each hazard is to your community.
3. If a hazard should not be studied, give it a zero (0).
4. Provide any comments you would like to share regarding your selected ratings.

Priority Rating Scale:

- 0 = Not a Priority/Remove
 1 = Lowest Priority
 2 = Low-Medium Priority
 3 = Medium Priority
 4 = Medium-High Priority
 5 = Highest Priority

2014 Hazards	Priority Ratings (0-5)
1. Flooding	2
2. Severe Storms	4
3. Tornadoes	4
4. Landslides	0-1
5. Hazardous Material Accident	1
6. Dam Failure	1
7. Invasive Species	1
8. Utility Failure	1
9. Drought	1
10. Earthquake	1
11. Winter Storms	3
Possible Additional Hazards	Priority Ratings (0-5)
12. Wildfire	1
13. Terrorism	1
14. Hurricanes/Tropical Storms	1
15. Mine Subsidence	1
16. Extreme Temperatures	1
Comments	

NAME: *Rick McEvoy*

JURISDICTION: *Owensville*

Hazard & Associated Mitigation Action		Applicable to your jurisdiction?	Cost-Effective	Technically Feasible	Environmentally Sound	Immediate Need	Total Risk Reduction	Comments
All Hazards								
1.	Develop/update back-up power generation capabilities at critical government facilities (e.g. temporary storm safe locations, community EOCs).							
2.	Develop/update Continuity of Operations Plans							
3.	Provide public education and outreach on disaster preparedness including websites, newsletters, social media, Preparedness Month events, etc.	Yes	3	3	3	3	3	
4.	Develop or update Emergency Operation Plans	Yes	5	5	5	3	4	
5.	Maintain an all-hazard outdoor warning siren system, including repairing, replacing, and upgrading.	Yes	5	5	4	3	4	
6.	Continue fire code, building code, zoning, and floodplain management enforcement activities	Yes	5	5	5	3	3	
Flooding								
1.	Improve storm water management system.	Yes	5	5	4	4	4	
2.	Identify and study poor draining areas to control flooding.	Yes	4	4	4	3	4	
3.	Repair or replace ditching and culverts to control flooding.	Yes	5	5	4	3	4	
4.	Continue to identify and study riverbank stabilization opportunities.	N/A						
5.	Provide mitigation option guidance to property owners of Repetitive Loss and Severely Repetitive Loss Structures, such as acquisition, relocation, elevation, dry flood proofing, and wet flood proofing.	N/A						
6.	Encourage residents in flood prone areas to purchase flood insurance.	Yes	4	4	3	3	5	
Severe Storms								
1.	A public education campaign on having multiple means to receive severe weather notifications, such as weather radios, smart phone apps, social media feeds, and/or registration for mass notification systems.	Yes	3	3	4	4	4	
2.	Create a Standard Operating Guideline for the timely clearing of roads from debris caused by severe storms.	Yes	4	4	5	4	4	
3.	Maintain StormReady Certification							
Tornadoes								
1.	Promote the Ohio Safe Room Rebate Program for the construction and installation of residential safe rooms.							
2.	Identify tornado safe locations for residents to seek shelter during tornadoes/high wind events, through coordination with local municipalities.	Yes	5	5	5	3	4	



Hazard & Associated Mitigation Action	Applicable to your jurisdiction?	Cost-Effective	Technically Feasible	Environmentally Sound	Immediate Need	Total Risk Reduction	Comments
Hazardous Materials Accidents							
1. Develop a Wellhead Protection Plan							
2. Organize an annual drill to prepare for a disaster involving hazardous materials.							
3. Report what hazardous materials are being handled on-site and amounts according to regulation.							
4. Update commodity flow study to identify types and volume of hazardous materials transported via river, pipeline, truck, rail, and plane.							
Utility Failure							
1. Tree trimming in right of ways along utility lines							
Winter Storms							
1. Provide public education on winter weather safety.							
Dam Failure							
1. Coordinate with ODNR to implement Dam Safety Program							
2. Ensure dam owners develop/update their dam safety plan							
3. Ensure dam owners are prepared to respond should their dam fail							
4. Identify downstream risk should dam failure occur							
5. Coordinate with local communities to ensure they understand risk to dam failures and the impact it would have on their community.							
Terrorism							
1. Encourage critical infrastructure to implement protective measures at their facilities.							
2. Coordinate with local law enforcement to ensure the safety of large public gathering events.							
3. Provide guidance to schools, churches, government agencies, health care facilities, and other critical facilities on improving protection, preparedness, response, and recovery activities to an active aggressor threat.							
Landslides							
1. Develop a map of landslide prone areas.							
2. Enforce slide-prone area ordinance to limit fill or dumping and address drainage or other landslide related problems.							
3. Enforce drainage control regulations to reduce the risk of landslides resulting from saturated soils.							
4. Develop grading ordinances which require developers and landowners to obtain permits prior to filling or regrading.							

NEW MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	Applicable to your jurisdiction?	Cost-Effective	Technically Feasible	Environmentally Sound	Immediate Need	Total Risk Reduction	Comments
5. Implement Sanitary System Codes to reduce the effect of drainage on landslides by limiting the type and location of sanitary systems.							
6. Provide mitigation option guidance to property owners on relocation, acquisition, and site stabilization, energy dissipation, and flow control measures.							
7. Implement Restraining Structures to hold soil in place.							
8. Implement Debris-Flow Measures, such as stabilization, energy dissipation, and flow control measures, to reduce damage in sloping areas.							
9. Implement Grading to increase slope stability.							
10. Consider Vegetation Placement and Management Plans to increase soil stability.							
11. Consider placement of utilities. (Placing utilities outside of landslide areas decreases the risk of service disruption.)							
Invasive Species							
1. Implement an invasive species education program that covers associated hazards, identification, behavior, and quarantine procedures.							
2. Share information with the public that explains the importance of not importing or exporting firewood.							
3. Work with agricultural producers to monitor and minimize nutrient runoff in order to prevent Harmful Algal Blooms.							
Extreme Temperatures							
1. Provide guidance and resources for vulnerable populations during extreme temperature events.							
2. Provide guidance and resources on utility assistance programs.							
Drought							
1. Encourage property owners to prepare for droughts by installing equipment that reduces water use.							
2. Develop water storage plans, water use ordinances, contingency plans, and water delivery systems in water utility operating plans.							
3. Encourage farmers to purchase crop insurance.							
Wildfire							
1. Promote public education on smoking hazards and recreational fire risks.							
2. Provide public education on extreme fire danger and red flag warnings, including what it means and what actions to take when it is issued.							

Hazard & Associated Mitigation Action	Applicable to your jurisdiction?	Cost-Effective	Technically Feasible	Environmentally Sound	Immediate Need	Total Risk Reduction	Comments
Earthquakes							
1. Use community outreach activities to foster an awareness of earthquake mitigation activities in homes, schools, and businesses.							
2. Work with insurance industry representatives to increase public awareness of the importance of earthquake insurance for home and building owners.							

Additional Mitigation Actions?

Mitigation Action	Hazard	Cost-Effective	Technically Feasible	Environmentally Sound	Immediate Need	Total Risk Reduction	Comments

Appendix F: Meeting Documentation Village of Williamsburg Surveys

#15

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Friday, February 01, 2019 9:37:16 AM
Last Modified: Friday, February 01, 2019 9:40:14 AM
Time Spent: 00:02:58
IP Address: 216.68.135.83

Page 1: Survey Instructions

Q1 Name and Organization

Name	Chief Michael Gregory
Organization	Williamsburg Police Department
Title/Position	Chief of Police
Email Address	chiefgregory@williamsburgohio.org

Page 2: Goals Survey

Q2 Reduce loss of life and injury from hazard events	Keep goal as written with no modifications
---	--

Q3 Minimize damage to personal and public property	Keep goal as written with no modifications
---	--

Q4 Provide public awareness of potential hazards and mitigation efforts	Keep goal as written with no modifications
--	--

Q5 Update critical facility locations and identify new critical facilities to prevent disruption during and after an event	Keep goal as written with no modifications
---	--

Q6 Identify areas of greatest impact from hazards (e.g. High-water marks, repetitive loss, etc.)	Keep goal as written with no modifications
---	--

Q7 Coordinate mitigation efforts through communication and collaboration between jurisdictions and all departments	Keep goal as written with no modifications
---	--

Clermont Co. All-Hazards Mitigation Plan, Goals/Hazard Priority Survey

Q8 Develop plans/programs to identify and reduce a hazard's risk (e.g. Emergency action plans, Power Restoration Plans, etc.)

Keep goal as written with no modifications

Q9 If there is a new goal that should be included, please type that goal below

Respondent skipped this question

Page 3: Hazard Priorities

Q10 2014 Hazards

Flooding	Medium-High Priority
Severe Storms	Highest Priority
Tornadoes	Highest Priority
Landslides	Low-Medium Priority
Hazardous Material Accident	Medium Priority
Dam Failure	Lowest Priority
Invasive Species	Medium-High Priority
Utility Failure	Highest Priority
Drought	Low-Medium Priority
Earthquake	Low-Medium Priority
Winter Storms	Highest Priority

Q11 Possible Additional Hazards

Wildfire	Medium-High Priority
Terrorism	Lowest Priority
Hurricanes/Tropical Storms	Lowest Priority
Mine Subsidence	Lowest Priority
Extreme Temperatures	Medium Priority

Q12 Comments

Respondent skipped this question

Page 4: Survey Complete!

Q13 General Comments

Respondent skipped this question

#15

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Friday, February 01, 2019 9:37:16 AM
Last Modified: Friday, February 01, 2019 9:40:14 AM
Time Spent: 00:02:58
IP Address: 216.68.135.83

Page 1: Survey Instructions

Q1 Name and Organization

Name	Chief Michael Gregory
Organization	Williamsburg Police Department
Title/Position	Chief of Police
Email Address	chiefgregory@williamsburgohio.org

Page 2: Goals Survey

Q2 Reduce loss of life and injury from hazard events	Keep goal as written with no modifications
---	--

Q3 Minimize damage to personal and public property	Keep goal as written with no modifications
---	--

Q4 Provide public awareness of potential hazards and mitigation efforts	Keep goal as written with no modifications
--	--

Q5 Update critical facility locations and identify new critical facilities to prevent disruption during and after an event	Keep goal as written with no modifications
---	--

Q6 Identify areas of greatest impact from hazards (e.g. High-water marks, repetitive loss, etc.)	Keep goal as written with no modifications
---	--

Q7 Coordinate mitigation efforts through communication and collaboration between jurisdictions and all departments	Keep goal as written with no modifications
---	--

Clermont Co. All-Hazards Mitigation Plan, Goals/Hazard Priority Survey

Q8 Develop plans/programs to identify and reduce a hazard's risk (e.g. Emergency action plans, Power Restoration Plans, etc.)

Keep goal as written with no modifications

Q9 If there is a new goal that should be included, please type that goal below

Respondent skipped this question

Page 3: Hazard Priorities

Q10 2014 Hazards

Flooding	Medium-High Priority
Severe Storms	Highest Priority
Tornadoes	Highest Priority
Landslides	Low-Medium Priority
Hazardous Material Accident	Medium Priority
Dam Failure	Lowest Priority
Invasive Species	Medium-High Priority
Utility Failure	Highest Priority
Drought	Low-Medium Priority
Earthquake	Low-Medium Priority
Winter Storms	Highest Priority

Q11 Possible Additional Hazards

Wildfire	Medium-High Priority
Terrorism	Lowest Priority
Hurricanes/Tropical Storms	Lowest Priority
Mine Subsidence	Lowest Priority
Extreme Temperatures	Medium Priority

Q12 Comments

Respondent skipped this question

Page 4: Survey Complete!

Q13 General Comments

Respondent skipped this question

NEW MITIGATION ACTIONS SCORING MATRIX

Purpose

As part of the planning process, communities are asked to identify specific projects and activities (mitigation actions) that will help their communities achieve the long-term outcomes related to specific hazards. The status of each mitigation action is reviewed during the Hazard Mitigation Planning Process to determine the progress being made towards the County's hazard-specific goals.

The purpose of the Mitigation Actions Scoring Matrix is to determine which mitigation actions are relevant to each of the communities within Clermont County and to develop a corresponding action plan that describes how the mitigation actions will be implemented. Scores collected from this Mitigation Actions Scoring Matrix will be used to decide how the mitigation actions will be prioritized, administered, and incorporated into Clermont County's existing planning mechanisms.

Instructions

The Mitigation Actions Scoring Matrix includes the following information:

- Actions are organized by hazard. Only new actions (new strategies to consider added to updated plan) are included.
- The existing mitigation actions marked "Ongoing" or "Deferred" have been carried over from the 2014 Clermont County All-Hazards Mitigation Plan. These are included on another survey.
- The mitigation actions marked "New" have either been recommended by a community within Clermont County or derived from recommended FEMA strategies with input from Clermont County EMA.

To complete this matrix, please review each proposed mitigation action, indicate if it is applicable to your jurisdiction, and then if it is applicable score it from 1-5, with 5 being the highest possible score:

1. **Applicable to your jurisdiction?** – Write **Yes** or **No** – to indicate if you think this mitigation action is applicable to your jurisdiction. If Yes, fill out the remaining columns; if No, do not fill out the remaining columns.
2. **Cost Effective** – Rank 1 – 5 – the cost effectiveness of each proposed mitigation action, with 5 being the most cost effective and 1 being the least cost effective.
3. **Technically Feasible** – Rank 1 – 5 – the feasibility of each proposed mitigation action, with 5 being the most feasible and 1 being the least feasible.
4. **Environmentally Sound** – Rank 1 – 5 – the proposed mitigation actions in terms of how environmentally sound they seem, with 5 being the most sound and 1 being the least sound.
5. **Immediate Need** – Rank 1 – 5 – whether each proposed mitigation action is needed immediately, with 5 being the most immediate need and 1 being not an immediate need.
6. **Total Risk Reduction** – Rank 1 – 5 – the proposed mitigation actions on the extent to which they will reduce the total risk of the associated hazard, with 5 being the greatest contribution to risk reduction and 1 being the least contribution to risk reduction.

In addition, if there are any mitigation actions that are not listed that should be included, please add them and score them on the last page.

NAME: Susan Bierhorst JURISDICTION: Village of Williamsburg

Hazard & Associated Mitigation Action	Applicable to your Jurisdiction?	Cost-Effective	Technically Feasible	Environmentally Sound	Immediate Need	Total Risk Reduction	Comments
All Hazards							
1. Develop/update back-up power generation capabilities at critical government facilities (e.g. temporary storm safe locations, community EOCs).	Yes	3	3	3	5	5	
2. Develop/update Continuity of Operations Plans	No						
3. Provide public education and outreach on disaster preparedness including websites, newsletters, social media, Preparedness Month events, etc.	Yes	5	3	3	5	3	
4. Develop or update Emergency Operation Plans	No						
5. Maintain an all-hazard outdoor warning siren system, including repairing, replacing, and upgrading.	No						
6. Continue fire code, building code, zoning, and floodplain management enforcement activities	Yes	3	3	3	3	3	
Flooding							
1. Improve storm water management system.	Yes	3	3	3	4	4	
2. Identify and study poor draining areas to control flooding.	Yes	3	3	3	3	3	
3. Repair or replace ditching and culverts to control flooding.	Yes	3	3	3	3	3	
4. Continue to identify and study riverbank stabilization opportunities.	Yes	3	3	3	3	3	
5. Provide mitigation option guidance to property owners of Repetitive Loss and Severely Repetitive Loss Structures, such as acquisition, relocation, elevation, dry flood proofing, and wet flood proofing.	Yes	3	3	3	3	3	
6. Encourage residents in flood prone areas to purchase flood insurance.	Yes	3	3	3	3	3	
Severe Storms							
1. A public education campaign on having multiple means to receive severe weather notifications, such as weather radios, smart phone apps, social media feeds, and/or registration for mass notification systems.	Yes	3	3	3	3	3	
2. Create a Standard Operating Guideline for the timely clearing of roads from debris caused by severe storms.	Yes	3	3	3	3	3	
3. Maintain StormReady Certification	No						
Tornadoes							
1. Promote the Ohio Safe Room Rebate Program for the construction and installation of residential safe rooms.	No						
2. Identify tornado safe locations for residents to seek shelter during tornadoes/high wind events, through coordination with local municipalities.	Yes	4	4	4	4	4	

NEW MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	Applicable to your jurisdiction?	Cost-Effective	Technically Feasible	Environmentally Sound	Immediate Need	Total Risk Reduction	Comments
5. Implement Sanitary System Codes to reduce the effect of drainage on landslides by limiting the type and location of sanitary systems.	NO						
6. Provide mitigation option guidance to property owners on relocation, acquisition, and site stabilization, energy dissipation, and flow control measures.	NO						
7. Implement Restraining Structures to hold soil in place.	NO						
8. Implement Debris-Flow Measures, such as stabilization, energy dissipation, and flow control measures, to reduce damage in sloping areas.	NO						
9. Implement Grading to increase slope stability.	NO						
10. Consider Vegetation Placement and Management Plans to increase soil stability.	NO						
11. Consider placement of utilities. (Placing utilities outside of landslide areas decreases the risk of service disruption.)	NO						
Invasive Species							
1. Implement an invasive species education program that covers associated hazards, identification, behavior, and quarantine procedures.	YES	4	4	4	4	4	
2. Share information with the public that explains the importance of not importing or exporting firewood.	YES	4	4	4	4	4	
3. Work with agricultural producers to monitor and minimize nutrient runoff in order to prevent Harmful Algal Blooms.	NO						
Extreme Temperatures							
1. Provide guidance and resources for vulnerable populations during extreme temperature events.							
2. Provide guidance and resources on utility assistance programs.							
Drought							
1. Encourage property owners to prepare for droughts by installing equipment that reduces water use.	YES	3	3	3	3	3	
2. Develop water storage plans, water use ordinances, contingency plans, and water delivery systems in water utility operating plans.	YES	3	3	3	3	3	
3. Encourage farmers to purchase crop insurance.	NO						
Wildfire							
1. Promote public education on smoking hazards and recreational fire risks.	NO						
2. Provide public education on extreme fire danger and red flag warnings, including what it means and what actions to take when it is issued.	NO						



Hazard & Associated Mitigation Action	Applicable to your jurisdiction?	Cost-Effective	Technically Feasible	Environmentally Sound	Immediate Need	Total Risk Reduction	Comments
Hazardous Materials Accidents							
1. Develop a Wellhead Protection Plan	NO						
2. Organize an annual drill to prepare for a disaster involving hazardous materials.	YES	3	3	3	3	3	
3. Report what hazardous materials are being handled on-site and amounts according to regulation.	NO						
4. Update commodity flow study to identify types and volume of hazardous materials transported via river, pipeline, truck, rail, and plane.	NO						
Utility Failure							
1. Tree trimming in right of ways along utility lines	YES	3	3	3	4	4	
Winter Storms							
1. Provide public education on winter weather safety.	YES	3	3	3	3	3	
Dam Failure							
1. Coordinate with ODNR to implement Dam Safety Program	NO						
2. Ensure dam owners develop/update their dam safety plan	NO						
3. Ensure dam owners are prepared to respond should their dam fail	NO						
4. Identify downstream risk should dam failure occur	NO						
5. Coordinate with local communities to ensure they understand risk to dam failures and the impact it would have on their community.	NO						
Terrorism							
1. Encourage critical infrastructure to implement protective measures at their facilities.	YES	3	3	3	3	3	
2. Coordinate with local law enforcement to ensure the safety of large public gathering events.	YES	3	3	3	3	3	
3. Provide guidance to schools, churches, government agencies, health care facilities, and other critical facilities on improving protection, preparedness, response, and recovery activities to an active aggressor threat.	YES	3	3	3	3	3	
Landslides							
1. Develop a map of landslide prone areas.	YES	3	3	3	3	3	
2. Enforce slide-prone area ordinance to limit fill or dumping and address drainage or other landslide related problems.	YES	3	3	3	3	3	
3. Enforce drainage control regulations to reduce the risk of landslides resulting from saturated soils.	YES	3	3	3	3	3	
4. Develop grading ordinances which require developers and landowners to obtain permits prior to filling or regrading.	YES	3	3	3	3	3	

NEW MITIGATION ACTIONS SCORING MATRIX

Hazard & Associated Mitigation Action	Applicable to your jurisdiction?	Cost-Effective	Technically Feasible	Environmentally Sound	Immediate Need	Total Risk Reduction	Comments
Earthquakes							
1. Use community outreach activities to foster an awareness of earthquake mitigation activities in homes, schools, and businesses.	yes	3	3	3	3	3	
2. Work with insurance industry representatives to increase public awareness of the importance of earthquake insurance for home and building owners.	yes	3	3	3	3	3	

Additional Mitigation Actions?

Mitigation Action	Hazard	Cost-Effective	Technically Feasible	Environmentally Sound	Immediate Need	Total Risk Reduction	Comments



PREVIOUS MITIGATION ACTIONS STATUS & SCORING MATRIX

VILLAGE OF WILLIAMSBURG

NAME:

POSITION:

Step 1: Status Update

#	Community	Hazard Type	Mitigation Action	Start Date	End Date	Status	Remarks
1	Williamsburg, Village of	All Hazards	Policy for Emergency Shelter and Assistance during a disaster - Coordination with Township and School District.	Dec. 31, 2019		<input checked="" type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: 2018 Why: _____ Why: _____ Why: _____ % Complete: _____

Step 2: Ratings

#	Hazard & Associated Mitigation Action	Include in Updated Plan? (Y/N)	Cost-Effective	Technically Feasible	Environmentally Sound	Immediate Need	Total Risk Reduction	Comments
1	Policy for Emergency Shelter and Assistance during a disaster - Coordination with Township and School District.	Y						

per call 1/23/19

w/ Administrator & Chief Gregory

Appendix F: Meeting Documentation Goshen Township Surveys



PREVIOUS MITIGATION ACTIONS STATUS & SCORING MATRIX

GOSHEN TOWNSHIP

NAME: Steve PeggamPOSITION: Administrator / Fire Chief

Step 1: Status Update

#	Community	Hazard Type	Mitigation Action	Start Date	End Date	Status	Remarks
1	Goshen Township	All Hazards	Replace backup generator for the Goshen Township Fire Station. This facility is a temporary storm shelter for residents and the community EOC.	Jan. 1, 2015	Dec. 31, 2016	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____

Step 2: Ratings

#	Hazard & Associated Mitigation Action	Include in Updated Plan? (Y/N)	Cost-Effective	Technically Feasible	Environmentally Sound	Immediate Need	Total Risk Reduction	Comments
1	Replace backup generator for the Goshen Township Fire Station. This facility is a temporary storm shelter for residents and the community EOC.							

Appendix F:

Meeting

Documentation

Miami Township Surveys

Name & Organization: Steve Kelly Miami Township Fire & EMS**GOALS SURVEY**

It is important to revisit the goals from the 2014 Clermont County All-Hazards Mitigation Plan to help guide the current update to the plan. Please provide input on if these goals still relevant. If a goal is still applicable as written, please check (✓) the box; if the goal needs to be modified or removed, please write how it should be modified or why it should be removed on the line below the goal.

Previous Goals (from the 2014 Plan)

- ☒ Reduce loss of life and injury from hazard events

- ☒ Minimize damage to personal and public property

- ☒ Provide public awareness of potential hazards and mitigation efforts

- ☒ Update critical facility locations and identify new critical facilities to prevent disruption during and after an event

- ☒ Identify areas of greatest impact from hazards (e.g. High-water marks, repetitive loss, etc.)

- ☒ Coordinate mitigation efforts through communication and collaboration between jurisdictions and all departments

- ☒ Develop plans/programs to identify and reduce a hazard's risk (e.g. Emergency action plans, Power Restoration Plans, etc.)

New Goals

If there is a new goal that should be included, please write that goal on the lines below.

- ☒ Identify/List County Assets & Resources with contact info for the
mitigation or assistance in the managing various hazards
- ☐ _____
- ☐ _____

Name & Organization: Steve Kelly Miami Township Fire & EMS

HAZARD PRIORITIES

Instructions:

1. Consider each hazard below.
2. Rate each hazard on a scale of 0 to 5 based on how important each hazard is to your community.
3. If a hazard should not be studied, give it a zero (0).
4. Provide any comments you would like to share regarding your selected ratings.

Priority Rating Scale:

- 0 = Not a Priority/Remove
- 1 = Lowest Priority
- 2 = Low-Medium Priority
- 3 = Medium Priority
- 4 = Medium-High Priority
- 5 = Highest Priority

2014 Hazards	Priority Ratings (0-5)
1. Flooding	4
2. Severe Storms	5
3. Tornadoes	5
4. Landslides	2
5. Hazardous Material Accident	5
6. Dam Failure	0
7. Invasive Species	1
8. Utility Failure	5
9. Drought	2
10. Earthquake	2
11. Winter Storms	5
Possible Additional Hazards	Priority Ratings (0-5)
12. Wildfire	1
13. Terrorism	5
14. Hurricanes/Tropical Storms	2
15. Mine Subsidence	0
16. Extreme Temperatures	4

Comments

Add'l possible hazard for consideration: Temporary Public Health Crisis
i.e. Pandemic ~~Flu~~ Flu outbreak

Name & Organization: GREG Jenkins Miami Twp. Police**GOALS SURVEY**

It is important to revisit the goals from the 2014 Clermont County All-Hazards Mitigation Plan to help guide the current update to the plan. Please provide input on if these goals still relevant. If a goal is still applicable as written, please check (✓) the box; if the goal needs to be modified or removed, please write how it should be modified or why it should be removed on the line below the goal.

Previous Goals (from the 2014 Plan)

- ☒ Reduce loss of life and injury from hazard events
- ☒ Minimize damage to personal and public property
- ☒ Provide public awareness of potential hazards and mitigation efforts
- ☒ Update critical facility locations and identify new critical facilities to prevent disruption during and after an event
- ☒ Identify areas of greatest impact from hazards (e.g. High-water marks, repetitive loss, etc.)
- ☒ Coordinate mitigation efforts through communication and collaboration between jurisdictions and all departments
- ☒ Develop plans/programs to identify and reduce a hazard's risk (e.g. Emergency action plans, Power Restoration Plans, etc.)

New Goals

If there is a new goal that should be included, please write that goal on the lines below.

- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____

Name & Organization: GREG Jenkins Miami TWP. Police
HAZARD PRIORITIES
Instructions:

1. Consider each hazard below.
2. Rate each hazard on a scale of 0 to 5 based on how important each hazard is to your community.
3. If a hazard should not be studied, give it a zero (0).
4. Provide any comments you would like to share regarding your selected ratings.

Priority Rating Scale:

- 0 = Not a Priority/Remove
 1 = Lowest Priority
 2 = Low-Medium Priority
 3 = Medium Priority
 4 = Medium-High Priority
 5 = Highest Priority

2014 Hazards	Priority Ratings (0-5)
1. Flooding	5
2. Severe Storms	5
3. Tornadoes	4
4. Landslides	1
5. Hazardous Material Accident	5
6. Dam Failure	1
7. Invasive Species	1
8. Utility Failure	5
9. Drought	1
10. Earthquake	1
11. Winter Storms	4
Possible Additional Hazards	Priority Ratings (0-5)
12. Wildfire	1
13. Terrorism	3
14. Hurricanes/Tropical Storms	0
15. Mine Subsidence	0
16. Extreme Temperatures	3
Comments	

Name & Organization: Stephen McCluskey / Miami Township Resident

GOALS SURVEY

It is important to revisit the goals from the 2014 Clermont County All-Hazards Mitigation Plan to help guide the current update to the plan. Please provide input on if these goals still relevant. If a goal is still applicable as written, please check (✓) the box; if the goal needs to be modified or removed, please write how it should be modified or why it should be removed on the line below the goal.

Previous Goals (from the 2014 Plan)

- ☐ Reduce loss of life and injury from hazard events

AND ENVIRONMENTAL DAMAGE

- ☐ Minimize damage to personal and public property

Include ENVIRONMENTAL DAMAGE

- ☒ Provide public awareness of potential hazards and mitigation efforts

- ☒ Update critical facility locations and identify new critical facilities to prevent disruption during and after an event

- ☒ Identify areas of greatest impact from hazards (e.g. High-water marks, repetitive loss, etc.)

- ☒ Coordinate mitigation efforts through communication and collaboration between jurisdictions and all departments

- ☐ Develop plans/programs to identify and reduce a hazard's risk (e.g. Emergency action plans, Power Restoration Plans, etc.)

AND implement those plans

New Goals

If there is a new goal that should be included, please write that goal on the lines below.

- ☐ Hazardous mtl's commodity flow study
(ROADS, AIR, WATER TRANSPORT)

☐ _____

☐ _____

☐ _____

Name & Organization: Stephen McClanahan / Miami Twp Resident

HAZARD PRIORITIES

Instructions:

1. Consider each hazard below.
2. Rate each hazard on a scale of 0 to 5 based on how important each hazard is to your community.
3. If a hazard should not be studied, give it a zero (0).
4. Provide any comments you would like to share regarding your selected ratings.

Priority Rating Scale:

- 0 = Not a Priority/Remove
- 1 = Lowest Priority
- 2 = Low-Medium Priority
- 3 = Medium Priority
- 4 = Medium-High Priority
- 5 = Highest Priority

2014 Hazards	Priority Ratings (0-5)
1. Flooding	4
2. Severe Storms	5
3. Tornadoes	4
4. Landslides	3
5. Hazardous Material Accident	5
6. Dam Failure	2
7. Invasive Species	4
8. Utility Failure	2
9. Drought	4
10. Earthquake	2
11. Winter Storms	2
Possible Additional Hazards	Priority Ratings (0-5)
12. Wildfire	3
13. Terrorism	2
14. Hurricanes/Tropical Storms	1?
15. Mine Subsidence	?
16. Extreme Temperatures	3-4

Comments

Maybe this is included under 'severe storms' but the hazards from highly localized, intense rain events should be included. These events have increased in the past few years.

Mitigation Actions Update

The following mitigation actions were included in the 2014 Plan. Please provide an update on the status of the project(s). Include remarks for each mitigation action. Remarks should address:

- If the action was completed, when was it complete? Results? Factors that contributed to success?
- If the action was not completed, why? Percentage complete? Barriers to implementation? Should the action be included in the plan update (to be completed in the next 5-year cycle)?

Community	Hazard Type	Mitigation Action	Start Date	End Date	Status	Include in Update?	Remarks
Miami Township	All Hazards	Developed Township Continuity of Operations Plan 2011; now in training & exercise phase.	Jan. 1, 2014	Dec. 31, 2019	<input checked="" type="checkbox"/> Complete <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Plan was completed and some training was done, but with a relatively new Township staff, revisions are needed and more training will be required
Miami Township	All Hazards	Preparedness Month activities 2013	Dec. 31, 2013		<input checked="" type="checkbox"/> Complete <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Miami Township	All Hazards	Preparedness Month activities 2014	Dec. 31, 2014		<input type="checkbox"/> Complete <input checked="" type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Did not occur due to retirement of Chief Whitworth
Miami Township	All Hazards	Periodic articles in Township newsletter and local weekly newspaper on fire/life safety and Preparedness	Jan. 1, 2014	Dec. 31, 2019	<input checked="" type="checkbox"/> Complete <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Will continue to put safety and planning information to the community in quarterly newsletters and via social media
Miami Township	Flooding	Storm water management system improvements/maintenance	Jan. 1, 2014	Dec. 31, 2019	<input type="checkbox"/> Complete <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input checked="" type="checkbox"/> Ongoing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Continual activity for County Water Resources and Township Service Dept.
Miami Township	Severe/ Winter Storms	Fire code enforcement activities.	Jan. 1, 2014	Dec. 31, 2019	<input type="checkbox"/> Complete <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input checked="" type="checkbox"/> Ongoing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Continual activity for Fire & EMS; discussed removing code references though at group work session
Miami Township	Tornado	Purchased/installed all-hazards (tornado) warning sirens to cover 95%+ of Twp. 33 sq. miles in 2001. Now being maintained.	Jan. 1, 2014	Dec. 31, 2019	<input type="checkbox"/> Complete <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input checked="" type="checkbox"/> Ongoing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Many sirens will require extensive maintenance or replacement through 2024

New Mitigation Actions - To be implemented over next 5 years (2019-2024)

Community	Hazard Type	Mitigation Action	Anticipated Start Date	Anticipated End Date
Miami Twp.	All Hazards	Revision of and updated training on Township Continuity of Operations Plan that was originally developed in 2011.	May 2019	December 2024
Miami Twp.	Flooding	Storm water management system improvements, maintenance and periodic inspections	January 2019	December 2024
Miami Twp.	All Hazards, Severe Weather & Storms	Conduct general all hazards public safety messaging through use of Township newsletter and social media outlets	January 2019	December 2024
Miami Twp.	Tornado & Severe Weather	Maintenance of existing weather sirens that were originally installed in 2001.	January 2019	December 2024
Miami Twp.	All Hazards	Monitoring and inspection of all Township-owned roadways that are susceptible to damage from natural conditions or severe weather-related emergencies.	January 2019	December 2024
Miami Twp.	Technology	IT and telephony system susceptibility monitoring and maintenance.	January 2019	December 2024



NAME: Steve Kelly

JURISDICTION: Miami Township

Hazard & Associated Mitigation Action	Applicable to your jurisdiction?	Cost-Effective	Technically Feasible	Environmentally Sound	Immediate Need	Total Risk Reduction	Comments
All Hazards							
1. Develop/update back-up power generation capabilities at critical government facilities (e.g. temporary storm safe locations, community EOCs).	No						
2. Develop/update Continuity of Operations Plans	Yes	3	4	5	3	3	
3. Provide public education and outreach on disaster preparedness including websites, newsletters, social media, Preparedness Month events, etc.	Yes	4	5	5	4	4	
4. Develop or update Emergency Operation Plans	Yes	3	4	5	3	3	
5. Maintain an all-hazard outdoor warning siren system, including repairing, replacing, and upgrading.	Yes	1	3	3	4	3	
6. Continue fire code enforcement activities	Yes	3	5	5	5	5	
7. Update building and zoning codes to limit exposure to or prepare for potential hazards.	Yes	3	5	4	3	3	
Flooding							
1. Improve storm water management system.	Yes	2	3	3	4	3	
2. Identify and study poor draining areas to control flooding.	Yes	2	3	3	4	3	
3. Repair or replace ditching and culverts to control flooding.	Yes	2	4	3	4	4	
4. Continue to identify and study riverbank stabilization opportunities.	Yes	2	3	3	3	2	
5. Provide mitigation option guidance to property owners of Repetitive Loss and Severely Repetitive Loss Structures, such as acquisition, relocation, elevation, dry flood proofing, and wet flood proofing.	Yes	2	3	3	3	3	
6. Continue to implement floodplain regulations.	Yes	3	3	3	2	2	
7. Encourage residents in flood prone areas to purchase flood insurance.	Yes	5	4	3	1	2	
Severe Storms							
1. A public education campaign on having multiple means to receive severe weather notifications, such as weather radios, smart phone apps, social media feeds, and/or registration for mass notification systems.	Yes	5	5	5	5	4	
2. Create a Standard Operating Guideline for the timely clearing of roads from debris caused by severe storms.	Yes	5	3	3	2	4	
3. Maintain StormReady Certification	Yes	4	4	3	3	4	EPA Maintains Building Dept?
4. Adopting new or amend existing ordinances to include guidelines on building construction, surge and lightning protection, roofing shingles, and backup power devices.	No						

10/24/19
None



Hazard & Associated Mitigation Action	Applicable to your jurisdiction?	Cost-Effective	Technically Feasible	Environmentally Sound	Immediate Need	Total Risk Reduction	Comments
Tornadoes							
1. Adopt stronger construction standards to address high winds and tornadoes.	No						Review
2. Promote the Ohio Safe Room Rebate Program for the construction and installation of residential safe rooms.	Yes	4	4	4	2	2	
3. Require tie-downs for manufactured homes placed on land in Clermont County and its municipalities.	No						
4. Identify tornado safe locations for residents to seek shelter during tornadoes/high wind events, through coordination with local municipalities.	Yes	4	4	4	2	3	
Hazardous Materials Accidents							
1. Develop a Wellhead Protection Plan	No						
2. Organize an annual drill to prepare for a disaster involving hazardous materials.	Yes	3	3	5	2	3	
3. Report what hazardous materials are being handled on-site and amounts according to regulation.	No						
4. Update commodity flow study to identify types and volume of hazardous materials transported via river, pipeline, truck, rail, and plane.	Yes	2	4	3	2	3	
Utility Failure							
1. Tree trimming in right of ways along utility lines	Yes	3	3	1	3	4	
2. Work with local utilities to ensure that construction requirements include burying/protecting power lines, designed-failure, and tree management.	Yes	3	3	1	3	3	
Winter Storms							
X Provide public education on winter weather safety, including family/traveler emergency preparedness, driver safety, and animal protection.	Yes	4	4	4	3	3	
X Review local codes and ordinances, and modify as needed, to reduce the possibility of damage from winter storms.	No						
3. Prepare local government for severe winter storms by utilizing snow fences to limit blowing and drifting of snow over critical roadway segments.	No						
Dam Failure							
1. Coordinate with ODNR to implement Dam Safety Program + Army Corp of Engineers	No						
2. Ensure dam owners develop/update their dam safety plan	No						
3. Ensure dam owners are prepared to respond should their dam fail	No						
4. Identify downstream risk should dam failure occur	Yes	3	4	3	2	1	
5. Coordinate with local communities to ensure they understand risk to dam failures and the impact it would have on their community.	Yes	4	4	3	2	1	



Hazard & Associated Mitigation Action	Applicable to your jurisdiction?	Cost-Effective	Technically Feasible	Environmentally Sound	Immediate Need	Total Risk Reduction	Comments
Terrorism							
1. Encourage critical infrastructure to implement protective measures at their facilities.	No						
2. Continue to refine emergency operation plans to respond to and recover from potential acts of terrorism.	Yes	4	4	4	3	3	
3. Encourage government agencies to review and update emergency plans, communications procedures, and continuity of operation plans.	No						
4. Coordinate with local law enforcement to ensure the safety of large public gathering events.	Yes	4	4	4	4	4	
5. Provide guidance to schools, churches, government agencies, health care facilities, and other critical facilities on improving protection, preparedness, response, and recovery activities to an active aggressor threat.	Yes	4	4	4	4	4	
Landslides							
1. Develop a map of landslide prone areas.	Yes	3	3	3	3	4	
2. Develop a slide-prone area ordinance to limit fill or dumping and address drainage or other landslide related problems.	No						
3. Develop drainage control regulations to reduce the risk of landslides resulting from saturated soils.	No						
4. Develop grading ordinances which require developers and landowners to obtain permits prior to filling or regrading.	No						
5. Implement Sanitary System Codes to reduce the effect of drainage on landslides by limiting the type and location of sanitary systems.	No						
6. Consider relocation of structures to less hazardous locations.	No						
7. Consider acquisition of land and structures and enforce permanent restrictions on development.	No						
8. Implement Restraining Structures to hold soil in place.	No						
9. Implement Debris-Flow Measures, such as stabilization, energy dissipation, and flow control measures, to reduce damage in sloping areas.	Yes	3	3	2	2	2	
10. Implement Grading to increase slope stability.	Yes	3	3	2	2	2	
11. Consider Vegetation Placement and Management Plans to increase soil stability.	Yes	3	3	2	2	2	
12. Consider placement of utilities. (Placing utilities outside of landslide areas decreases the risk of service disruption.)	No						
13. Implement Abatement Districts to pool resources to mitigate common hazards.	No						



Hazard & Associated Mitigation Action	Applicable to your jurisdiction?	Cost-Effective	Technically Feasible	Environmentally Sound	Immediate Need	Total Risk Reduction	Comments
Invasive Species							
1. Implement an invasive species education program that covers associated hazards, identification, behavior, and quarantine procedures.	No						
2. Share information with the public that explains the importance of not importing or exporting firewood.	No						
3. Collaborate with wildlife managers, agricultural producers, and hunters to develop an action plan to address feral swine in Clermont County.	No						
4. Work with agricultural producers to monitor and minimize nutrient runoff in order to prevent Harmful Algal Blooms.	No						
Extreme Temperatures							
1. Provide guidance and resources for vulnerable populations during extreme temperature events.	Yes	4	4	3	2	3	
2. Provide guidance and resources on utility assistance programs.	No						
Drought							
1. Encourage property owners to prepare for droughts by installing equipment that reduces water use.	No						
2. Develop water storage plans, water use ordinances, contingency plans, and water delivery systems in water utility operating plans.	No						
3. Encourage farmers to purchase crop insurance.	No						
Wildfire							
1. Implement outreach efforts to promote fire safe construction.	Yes	3	4	3	2	2	
2. Promote public education on smoking hazards and recreational fire risks.	Yes	2	4	3	4	3	
3. Provide public education on extreme fire danger and red flag warnings, including what it means and what actions to take when it is issued.	Yes	4	4	3	3	3	
4. Develop public education materials on when and where open burning is permissible, and when a permit is required.	Yes	3	4	3	4	4	
5. Review and update local codes and ordinances to reduce the risk and effects of wildfire.	No						
Earthquakes							
1. Ensure building codes and ordinances address earthquakes, such as buildings as structural hazards, non-structural hazards, infrastructure hardening, bridge strengthening, and amend as needed.	No						
2. Use community outreach activities to foster an awareness of earthquake mitigation activities in homes, schools, and businesses.	Yes	2	3	2	1	2	
3. Work with insurance industry representatives to increase public awareness of the importance of earthquake insurance for home and building owners.	No						

[illegible]

PUBLIC OPINION SURVEY

The purpose of this survey is to inform the hazard mitigation planning update in Clermont County. This information will be used to help improve prioritization, mitigation, and risk reduction efforts. Participation in this survey is voluntary; all data gathered in this survey will remain anonymous.

This survey should take less than 10 minutes to complete.

Demographics

1. What community do you live in? Loveland / Miami Township
2. How long have you lived in that community? 34 years
3. What community do you work in? RETIRED

Hazard & Disaster Information

We would like to know about your experiences involving hazards and your exposure to preparedness information.

4. During the past 5 years, have you or someone in your household directly experienced a disaster event, such as a flood, severe windstorm, wildfire, or other type of disaster in the county?

☐ Yes

☒ No (if No, Skip to Question 5)

If "Yes", which of these disaster events have you or someone in your household experienced in the last five years? (Please check all that apply)

- | | |
|---|--|
| <input type="checkbox"/> Dam Failure | <input type="checkbox"/> Landslide |
| <input type="checkbox"/> Damaging Winds | <input type="checkbox"/> Mine Subsidence |
| <input type="checkbox"/> Drought | <input type="checkbox"/> Lightning Strike |
| <input type="checkbox"/> Earthquakes | <input type="checkbox"/> Severe Summer Storm |
| <input type="checkbox"/> Extreme Temperature | <input type="checkbox"/> Terrorism |
| <input type="checkbox"/> Flooding | <input type="checkbox"/> Tornadoes |
| <input type="checkbox"/> Hazardous Materials Incident | <input type="checkbox"/> Utility/Power Failure |
| <input type="checkbox"/> Hurricane/Tropical Storm | <input type="checkbox"/> Wildfire |
| <input type="checkbox"/> Invasive Species | <input type="checkbox"/> Winter Storm |

5. How concerned are you about the following hazards affecting your community?
(Check the corresponding box for each hazard)

Hazards	Very Concerned	Somewhat Concerned	Neutral	Not Very Concerned	Not Concerned
Dam Failure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Damaging Winds	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Drought	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Earthquakes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Extreme Temperature	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Flooding	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hazardous Materials Incident	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hurricane/Tropical Storm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Invasive Species	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Landslide	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Mine Subsidence	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Lightning Strike	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Severe Storm	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Terrorism	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Tornadoes	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Utility/Power Failure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wildfire	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Winter Storm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

6. From whom did you last receive information about how to make members of your household and your home safer from disasters? (Please check only one)

- | | |
|---|---|
| <input type="checkbox"/> News Media | <input type="checkbox"/> Elected official |
| <input checked="" type="checkbox"/> Government agency | <input type="checkbox"/> American Red Cross |
| <input type="checkbox"/> Insurance agent/company | <input type="checkbox"/> Other non-profit |
| <input type="checkbox"/> Utility company | <input type="checkbox"/> Social Media (e.g. Facebook) |
| <input type="checkbox"/> University or research institution | <input type="checkbox"/> Not Sure |
| <input type="checkbox"/> Neighbor/friend/family member | <input type="checkbox"/> Other: _____ |

7. What is the most effective way for you to receive information about how to make your household and home safer from disasters? (Please check up to three)

- | | |
|---|---|
| <input type="checkbox"/> Newspapers | <input type="checkbox"/> Outdoor advertisements |
| <input type="checkbox"/> Television | <input type="checkbox"/> Books |
| <input type="checkbox"/> Radio | <input type="checkbox"/> Mail |
| <input type="checkbox"/> Email newsletters | <input type="checkbox"/> Chamber of Commerce |
| <input type="checkbox"/> Online news outlets | <input type="checkbox"/> Public workshops/meetings |
| <input type="checkbox"/> Social media (e.g. Facebook) | <input type="checkbox"/> Magazine |
| <input type="checkbox"/> Schools | <input checked="" type="checkbox"/> Other: <u>Neighborhood gatherings</u> |

(*) Effective means that action was taken after receiving information

Community Vulnerabilities and Hazard Mitigation Strategies

In order to assess community risk, we need to understand which community assets may be vulnerable to hazards in the region. Vulnerable assets are those community features, characteristics, or resources that may be impacted by natural hazards (e.g. populations with functional needs, economic components, environmental resources, etc.) The next set of questions will focus on vulnerable assets in your community and preferred strategies to mitigate risk in those assets.

8. What specific community assets are most important to you? *(Check the box for each asset)*

Community Assets	Very Important	Somewhat Important	Neutral	Not Very Important	Not Important
Elder-care facilities	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Schools (K-12)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hospitals	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Major Bridges	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fire/Police Stations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Museums/Historic bldgs.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Major employers	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Small businesses	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
College/University	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
City Hall/Courthouse	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Parks	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other: <i>lots of choice points in our roadways</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other: <i>wi cleverland</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

9. Hazards can have a significant impact on a community but planning for these events can help lessen the impacts. The following statements will help determine citizen priorities regarding planning for hazards in your county. *Please tell us how important each one is to you.*

Statements	Very Important	Somewhat Important	Neutral	Not Very Important	Not Important
Protecting private property	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Protecting critical facilities (Transportation networks, hospitals, fire stations)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Preventing development in hazard areas	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Enhancing the function of natural features (e.g. wetlands, streams)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Protecting historical and cultural landmarks	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Protecting and reducing damage to utilities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Strengthening emergency services (e.g. police, fire, ambulance)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Disclosing hazard risks during real estate transactions	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Promoting cooperation among public agencies, citizens, non-profit organizations, and businesses	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Collaboration is critical as a hazard event can easily overwhelm any given resource.

10. A number of activities can reduce your community's risk from hazards. Please check the box that best represents your opinion of the following strategies to reduce the risk and loss associated with disasters.

Community-wide Strategies	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	Not Sure
I support a regulatory approach to reducing risk	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I support policies to prohibit development in areas affected by hazards (i.e. floodplain)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I support the use of tax dollars to compensate land owners to not develop in high-risk areas	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
I support the use of local tax dollars to reduce risks and losses from natural disasters	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I support protecting historical and cultural structures	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I would be willing to make my home more disaster-resilient	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I support improving the disaster preparedness of local schools	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I support the disclosure of hazard risks during real estate transactions	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Mitigation and Preparedness Activities in Your Household

Households can prepare for hazards in order to prevent damage to property, injuries, and loss of life. The precautions you take and training you receive can make a significant difference in your ability to recover from a disaster or emergency. The following question focuses on your household's preparedness for disaster events.

11. In the following list, please check those activities that you have done, plan to do in the near future, have not done, or are unable to do. Please check one answer per preparedness activity.

In your household, has your household:	Have Done	Plan to Do	Not Done	Unable to Do
Attended meetings or received written information on natural disasters or emergency preparedness?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Talked with members in your household about what to do in a natural disaster/emergency?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Developed a "Household/Family Emergency Plan"	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Prepared a Disaster Supply Kit	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
In the last year, has anyone pursued First Aid or CPR training?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Placed smoke detectors on each level of the house	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Discussed or created a utility shutoff procedure in the event of a natural disaster?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Installed CO monitor

☒

General Comments

12. Please provide any comments you would like to share regarding disasters.

Protection of Natural Waters and
Waterways is critical for Clermont
Co. Am concerned about hazardous
material flowing on the Ohio or on
our Roadways that could impact
our water resources.

Am concerned about potential ^{AIR-borne} hazardous
material releases from
neighboring counties (Hamilton).
Westerly winds will carry these
releases our way.

#7

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Tuesday, January 22, 2019 10:15:35 PM
Last Modified: Tuesday, January 22, 2019 10:19:48 PM
Time Spent: 00:04:12
IP Address: 98.28.183.139

Page 1: Survey Instructions

Q1 For which community are you responding? **Miami Township**

Page 2: Hazard & Disaster Information

Q2 How concerned are you about your community being impacted by a disaster? **Somewhat Concerned**

Q3 Have you been impacted by a disaster in your community? **No**

Q4 If you answered "yes" to the previous question, please indicate the type(s) of disasters which have affected your community in the past five years? (Please check all that apply) **Respondent skipped this question**

Page 3: Community Vulnerabilities & Hazard Mitigation Strategies

Clermont County Public Opinion Survey

Q5 A number of community-wide activities can reduce risks from hazards. In general, these activities fall into one of four (4) categories. Please rate how important you think each one is for your community to consider pursuing.

Structure and Infrastructure Projects - construct "brick and mortar" infrastructure and building improvements to eliminate or reduce hazard threats, or to mitigate the impacts of hazards. Examples include new culverts, storm-proof windows, etc.	Very Important
Preparedness, Coordination, and Response Actions - ensure that a framework exists to facilitate and coordinate the administration of planned activities. Integrate prevention/mitigation activities into local community operations.	Very Important
Education and Awareness Programs - provide education and community outreach to raise awareness of hazards and generate support for individual and community-wide efforts to reduce risk. Examples include school programs, public information campaigns, etc.	Somewhat Important
Local Plans and Regulations - Integrate mitigation into local ordinances and regulations to protect vulnerable resources and reduce risk. Examples include development restrictions in flood zones, capital planning for mitigation projects, etc.	Somewhat Important

Q6 Resources to mitigate hazards are limited. Hard choices must be made about which community assets and services to prioritize. Please rate your priority areas below.

Protect critical facilities and infrastructure	Somewhat Important
Prevent development in hazard prone-areas	Very Important
Protect/enhance natural features to aid in mitigation (e.g. restore wetlands, streams, etc.)	Very Important
Protect historic and cultural landmarks	Somewhat Important
Protect and reduce damage to utilities	Very Important
Strengthen emergency services	Very Important
Promote cooperation among public agencies and community partners	Not Important

Q7 Rate how important these community assets are to you.

Critical-care Facilities	Very Important
Schools (K-12)	Somewhat Important
Hospitals	Very Important
Major Bridges	Very Important
Fire/Police Stations	Very Important
Museums/Historic Buildings	Very Important
Major Employers	Not Important
Small Businesses	Very Important
College/University	Not Important
Municipal Buildings	Somewhat Important
Parks	Very Important

Page 4: Personal Preparedness

Q8 What personal preparedness measures have you taken?

Attended meeting/training on emergency preparedness	No
Talked with members in your household about what to do in a disaster	Yes
Developed a Family Emergency Plan	Yes
Prepared a Disaster Supply Kit	Yes
In the last year, taken First Aid or CPR training	Yes
Placed smoke detectors on each level of the house	Yes
Discussed or created a utility shutoff procedure in the event of a natural disaster	Yes

Q9 How do you generally receive warnings and alerts regarding severe weather events? Please check all that apply.

Outdoor Warning Siren,
Cell Phone Apps

Q10 What is the most effective way for you to receive information on how to make your home, business, and community more resistant to disasters? Please check all that apply.

Social Media,
Local Library

Q11 Please provide any comments you would like to share regarding disasters.

Respondent skipped this question