MITIGATION ACTION SCORING MATRIX

Step One:

In the following tables, enter your name and position and select one of the following status options for each mitigation action in your jurisdiction:

- **Completed** (Use this if the action was completed)
- **Deleted** (Use this if you would like to remove the action from your new plan)
- **Ongoing** (Use this if you would like the action to carry through to your next plan)

Step two:

By marking the actions as Ongoing the action will be added to the new plan. In order to rank them effectively we ask that you score each of the following:

1. **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.
2. **Technically Feasible** – Rank 1 – 5 – the feasibility of each proposed mitigation action, with 5 being the most feasible and 1 being the least feasible.
3. **Environmentally Sound** – Rank 1 – 5 – the proposed mitigation action in terms of how environmentally sound it seems, with 5 being the most sound and 1 being the least sound.
4. **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.
5. **Risk Reduction** – Rank 1 – 5 – the proposed mitigation action on the extent to which it 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.

If you have any additional comments for a mitigation action, please leave them below each action.

Name:	Title and Organization:

Village of Midland

Mitigation Action (Strategy)	Risk	Status	Ranking					
Map inundation areas for all Class I and Class II dams.	Dam Failure	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Establish an irrigation time/scheduling program or process to ensure that all agricultural land gets the required amount of water.	Drought	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Monitor overdoses, deaths, opioid prescriptions, and drug related crimes to identify problem areas.	Drug Misuse & Addiction	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

Name:	Title and Organization:

Village of Midland

Mitigation Action (Strategy)	Risk	Status	Ranking					
Produce an annual report on the status of overdoses, deaths, and drug related crimes in the County.	Drug Misuse & Addiction	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Create a task force of local law enforcement, public health officials, mental health professionals, medical professionals, elected officials, and other appropriate personnel to identify problems and potential solutions.	Drug Misuse & Addiction	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Regularly coordinate with public or private veterinary epidemiologists to monitor livestock- related disease in the area.	Epidemic/Pandemic	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

Name:	Title and Organization:

Village of Midland

Mitigation Action (Strategy)	Risk	Status	Ranking					
Complete a public health plan to identify risk factors in the County, including epidemics, pandemics, drug abuse, and other public health issues.	Epidemic/Pandemic	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Inform residents that they can leave faucets dripping to prevent freezing pipes.	Extreme Temperatures	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Encourage or require (to be decided by each jurisdiction) the use of pervious surface materials for sidewalks, roadways, parking lots, and other paved areas.	Flooding	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

Name:	Title and Organization:

Village of Midland

Mitigation Action (Strategy)	Risk	Status	Ranking					
Conduct annual outreach or community workshops to provide information to property owners about flood insurance.	Flooding	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Limit or prohibit development in identified risk areas.	Landslides, Erosion, and Mine Subsidence	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Update the Clinton County Emergency Operations Plan (EOP) and aid in creating Standard Operating Procedures (SOPs) for each department or agency.	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

Name:	Title and Organization:

Village of Midland

Mitigation Action (Strategy)	Risk	Status	Ranking					
Clinton County Fire Chief Association development of standardized hazardous materials response equipment procurement, interoperable PPE, and updated MOU for fire and hazardous materials response.	Multiple Hazards	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Install lightning protection devices and methods, such as lightning rods and grounding, on communications infrastructure and other critical facilities.	Severe Summer Weather	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Convert traffic lights to mast arms.	Severe Summer Weather	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

Name:	Title and Organization:

Village of Midland

Mitigation Action (Strategy)	Risk	Status	Ranking					
Increase the number of safe rooms in the County by installing safe rooms in residential and public buildings and working with local businesses, places of worship, etc. to install additional safe rooms.	Severe Wind & Tornadoes	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Create a map of publicly available safe rooms in the County and distribute to the public.	Severe Wind & Tornadoes	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Discourage or prohibit the use of flat roofs in new development to reduce the chance of roof collapse.	Severe Winter Weather	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

Name:	Title and Organization:

Village of Midland

Mitigation Action (Strategy)	Risk	Status	Ranking					
Bury overhead powerlines that are outside of flood areas to eliminate exposure to ice and snow.	Severe Winter Weather	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Agroterrorism: Identify State personnel or employ local personnel with the skills to identify and treat foreign animal diseases.	Terrorism	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Agroterrorism: Require annual reporting on internal quality control and emergency response practices for commercial farms, food processing plants, food packaging plants, and other commercial agriculture uses.	Terrorism	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

Name:	Title and Organization:

Village of Midland

Mitigation Action (Strategy)	Risk	Status	Ranking					
Ensure that all critical facilities and public buildings have backup generators in case of power failure.	Utility Failure	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Internet Service: Assign or hire personnel who can take a leadership role in the internet connectivity effort.	Utility Failure	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Internet Service: Inform local elected officials on the need for internet connectivity.	Utility Failure	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

Name:	Title and Organization:

Village of Midland

Mitigation Action (Strategy)	Risk	Status	Ranking					
Internet Service: Incorporate annual discussions regarding the importance of internet connectivity at public meetings.	Utility Failure	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Internet Service: Use GIS to map all internet assets within the county including, but not limited to, fiber status, roof top access, tower access, right-of-way access across bridges and railroads, and available conduits.	Utility Failure	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Internet Service: Annually track the demand for internet service within the County, through surveys or other means. This includes asking about needed service and better service.	Utility Failure	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

Name:	Title and Organization:

Village of Midland

Mitigation Action (Strategy)	Risk	Status	Ranking					
Internet Service: Catalogue information about local internet providers, including service areas, services offered, and price.	Utility Failure	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Internet Service: Research & identify grants or other funding opportunities available to expand internet service throughout the County.	Utility Failure	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5
Map wildfires as they occur in the County to identify risk areas.	Wildfire	☐Completed ☐Deleted ☐Ongoing	Cost Effective	1	2	3	4	5
			Technically Feasible	1	2	3	4	5
			Environmentally Sound	1	2	3	4	5
			Immediate Need	1	2	3	4	5
			Risk Reduction	1	2	3	4	5

MITIGATION ACTION SCORING MATRIX

Instructions

To complete this matrix, please write in each mitigation action applicable to your jurisdiction. Please score it from 1-5 for each category described below. For each category, a rating of 1 is the lowest score, a rating of 3 is neutral/unsure, and a rating of 5 is the highest score.

1. **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.
2. **Technically Feasible – Rank 1 – 5** – the feasibility of each proposed mitigation action, with 5 being the most feasible and 1 being the least feasible.
3. **Environmentally Sound – Rank 1 – 5** – the proposed mitigation action in terms of how environmentally sound it seems, with 5 being the most sound and 1 being the least sound.
4. **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.
5. **Risk Reduction – Rank 1 – 5** – the proposed mitigation action on the extent to which it 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.

Every jurisdiction (County, City, and Village) must have one mitigation action for each hazard. The following pages include four new FEMA-required actions for you to score. If an action is applicable, please score the action. If it is not applicable to your jurisdiction (i.e. your jurisdiction doesn't have any dams) please skip (don't score) the action.

Following the required new actions, you will have the space to draft new mitigation actions that are applicable to your jurisdiction and score them. Please list the applicable hazard for each new drafted action. Any new actions must correspond with one of the county's hazard priorities as follows:

Hazard	Score	Rank
Severe Wind and Tornadoes	4.21	1
Severe Winter Weather	3.91	2
Utility Failure	3.91	2
Hazardous Materials	3.53	4
Drug Misuse and Addiction	3.26	5
Severe Summer Weather	3.24	6
Extreme Temperatures	3.06	7
Flooding	3.06	7
Terrorism	2.91	9
Epidemic/Pandemic	2.79	10
Drought	2.59	11
Invasive Species	2.09	12
Wildfire	2.09	13
Dam/Levee Failure	1.71	14
Landslides, Erosion, and Subsidence	1.56	15
Earthquakes	1.50	16

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
Required: Work with all jurisdictions on filling in gaps and strengthening capabilities in enacting mitigation strategies.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
Required: Ensure all eligible jurisdictions are participating in the NFIP.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
Required: Ensure all high-hazard potential dams have updated Emergency Action Plans (EAPs) in place.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
Required: Obtain or create inundation maps for all dams.		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5

Name:	Title and Organization:	Jurisdiction:

Mitigation Action (Strategy)	Risk	Ranking					
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5
		Cost Effective	1	2	3	4	5
		Technically Feasible	1	2	3	4	5
		Environmentally Sound	1	2	3	4	5
		Immediate Need	1	2	3	4	5
		Risk Reduction	1	2	3	4	5