



CRAWFORD COUNTY HAZARD MITIGATION PLAN

October 2019

PREPARED BY:
Burton Planning Services
252 Electric Avenue
Westerville, Ohio 43081
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PREPARED FOR:
Crawford County EMA
112 East Mansfield Street
Suite 302
Bucyrus, Ohio 44820



Appendix F:

Meeting

Documentation

Kickoff Announcement

From: [Kimberly Burton](#)
To: [Anna Van Der Zwaag](#); [Brett Morris](#)
Subject: FW: Crawford County Mitigation Plan Update 2019
Date: Monday, June 24, 2019 11:12:10 AM
Attachments: [20190618144150458.pdf](#)
[20190618145718636.pdf](#)

FYI.

Kimberly Burton, P.E., AICP CTP, LEED AP ND
President/Owner
Burton Planning Services, LLC
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From: Crawford County EMA <ccema@crawford-co.org>
Sent: Wednesday, June 19, 2019 9:42 AM
To: EMA Office <ccema@crawford-co.org>
Subject: Crawford County Mitigation Plan Update 2019

Good afternoon,

Crawford County has received a Federal Mitigation Grant, for our Natural Hazard Mitigation Plan, that is required every 5 years, so attached is a short letter describing the update process. It is of the utmost importance to have as many stakeholders involved with these meetings as possible. To have a successful plan, we need your individual input from the local entities to improve on our plan.

The Meeting dates are in the above attachment, with the goals, and requirements for the entire process. We will be working with a contractor for the plan update so we have a very specific timeline to meet federal compliance.

This will be a great opportunity to bring your ideas to the table for mitigation projects in your jurisdiction. We all look forward meeting with each of you in the coming weeks.

Kirk Williamson
Director

Crawford County Emergency Management
112 E. Mansfield St., Suite 302
Bucyrus, Ohio 44820
ccema@crawford-co.org
Office: 419-562-6009 • **Fax:** 419-562-1025



CRAWFORD COUNTY HAZARD MITIGATION PLAN UPDATE

PLAN KICKOFF ANNOUNCEMENT

June 19, 2019

Goal

Update the 2014 Crawford County Natural Hazard Mitigation Plan to include both natural and man-made hazards that pose a threat to the County.

Who's involved?

The Crawford County EMA will work closely with Burton Planning Services and members of the Core Planning Committee to develop a mitigation plan that adequately addresses the threats posed to Crawford County residents by natural and man-made hazards. The following people will be involved:

- Kirk Williamson, Crawford County EMA Director
- Jette Cander, Crawford County Deputy EMA Director / 9-1-1 Coordinator
- Burton Planning Services (BPS)
 - Kimberly Burton, P.E., AICP CTP, LEED AP ND, Project Manager
 - Rich Roths, AICP, Hazard Mitigation Strategies
 - Anna van der Zwaag, CTA, Plan Preparation, Public Involvement
 - Brett Morris, LEED Green Associate, Plan Preparation, HAZUS Modeling, GIS
- Core Planning Committee Members

Hazard Mitigation Planning: Federal Requirements

The Disaster Mitigation Act, 2000 (DMA2K) states that all jurisdictions must have an adopted plan to receive funds from FEMA in the event of a disaster. DMA2K provides a legal basis for FEMA's state, local, and tribal mitigation planning requirements. Additionally, the Robert T. Stafford Disaster Relief and Emergency Assistance Act of 1998 created the system where Presidential disaster declarations trigger federal assistance via FEMA.

To receive federal funding, hazard mitigation plans must:

- Be current and adopted by local jurisdictions
- Be updated every 5 years
- Include:
 - Public participation and documented process
 - Existing conditions and demographics
 - Major disaster declarations since the previous plan
 - Risk assessments and vulnerability analyses for hazards
 - Mitigation actions and their status
 - Identified plan maintenance and updates
- Municipalities, police and fire departments, schools, businesses, and the general public may receive funding for any mitigation strategy found in the approved and adopted plan update.



CRAWFORD COUNTY HAZARD MITIGATION PLAN UPDATE

Hazard Mitigation Planning: Overview

Potential hazard types include natural disasters (floods, storms, droughts, landslides, invasive species, etc.) and man-made disasters (hazardous material spills, terrorism, etc.). Benefits of updating the hazard mitigation plan include:

- Minimizing property damage, economic loss, injuries and loss of human life
- Enhancing public awareness of natural and man-made hazards
- Coordinating inter-jurisdictional preparedness measures, mitigation actions, and programs for effective implementation
- Providing a tool for decision-makers to better prepare for disasters
- Achieving state and federal regulatory compliance to be eligible for funding

Hazard Mitigation Planning: Process and Schedule

FEMA focuses on the mitigation strategies, on the intent and compliance of the plan, and on the planning process.

Milestones for the Crawford County Hazard Mitigation Plan Update are indicated in blue, below.

	June	July	August	September	October	November
Project Kickoff						
Existing Conditions						
Perform Risk Assessments						
Prepare Mitigation Actions						
Prepare Draft Plan						
Final Review of Draft Plan (OEMA)						
Adoption of Plan						
Close Out Project						
Public Involvement / Meetings	(1)	(2)	(3)	(4)		

(1) Stakeholder Kickoff, via email: June 19, 2019

(2) Core Planning Committee Meeting #1: Tuesday, July 23, 2019 at 3:30 PM, Public Meeting to follow at 5:30 PM.

(3) Core Planning Committee meeting #2: Tuesday, August 20, 2019 at 3:30 PM, Public Meeting to follow at 5:30 PM.

(4) 30-Day Public Comment Period, September.

Hazard Mitigation Planning: Core Planning Committee Role

The role of the Core Planning Committee (you!) is as follows:

- Provide local knowledge and data as needed
- Help identify potential hazards from past experience and prioritize hazards
- Help develop new mitigation actions, determine the status of previous mitigation actions, and prioritize new mitigation actions
- Provide feedback on the draft plan
- Participate in public and stakeholder meetings
- Assist in plan adoption for representative local jurisdiction



CRAWFORD COUNTY HAZARD MITIGATION PLAN UPDATE

Contact Information:

Crawford County EMA

Kirk Williamson, Crawford County EMA Director
Jette Cander, Crawford County Deputy EMA Director
Email: ccema@crawford-co.org
Office: 419-562-6009
Hours: 8:00 AM – 4:30 PM

Burton Planning Services

Kimberly Burton, BPS President
Email: kburton@burtonplanning.com
Office: 614-392-2284

Appendix F: Meeting Documentation

Core Planning Meeting 1 and
Public Meeting 1



Crawford County
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Crawford County Emergency Management Agency - Ohio

July 10 at 3:20 PM · 3

Crawford County EMA is inviting the public to participate in our Mitigation Plan update. This is a requirement for pre and post disaster mitigation grants to remain eligible. It is important to get public feedback for the Plan's success. Any questions, please call our office 419-562-6009



CRAWFORD COUNTY HAZARD MITIGATION PLAN UPDATE

Kirk Williamson
Crawford County EMA Director
112 E. Mansfield Street, Suite 302
Bucyrus, Ohio 44820

Crawford County Emergency Management Agency
112 E. Mansfield Street, Suite 302
Bucyrus, Ohio 44820
419-562-6009

July 6, 2019

To Whom It May Concern:

The Crawford County Hazard Mitigation Plan is due for updating. It is necessary to update the Plan every five years so that the County and participating communities remain eligible for pre-disaster and post-disaster mitigation grant programs.

We are currently in the process of identifying potential hazards and it is in need of participation by residents in Crawford County. A public involvement meeting has been arranged for Tuesday, July 23, 2019 from 6:30-8:30 PM with public attendance very much needed for feedback.

At this meeting each potential natural, geological, and man-made hazard will be reviewed to determine its potential threat to Crawford County. The public's feedback is essential to provide input on any potential hazards and to rate the priority of the hazards that will be included in the next plan.

The event will be held in the Lower Level Conference Room at the Crawford County Courthouse (112 E. Mansfield Street, Bucyrus, Ohio 44820).

Signed,

Kirk Williamson, Crawford County EMA Director



Crawford County EMA

@CrawfordEMAOhio

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505

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81

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Crawford County EMA @CrawfordEMAOhio · Jul 10

Crawford County EMA is inviting the public to participate in our Mitigation Plan update. This is a requirement for pre & post disaster mitigation grants eligibility. It is important to get public feedback for the Plan's success. Any questions, please call our office 419-562-6009

Kirk Williamson
Crawford County EMA Director
112 E. Mansfield Street, Suite 302
Bucyrus, Ohio 44820

Crawford County Emergency Management Agency
112 E. Mansfield Street, Suite 302
Bucyrus, Ohio 44820
419-562-6009

July 8, 2019

To Whom It May Concern:

The Crawford County Hazard Mitigation Plan is due for updating. It is necessary to update the Plan every five years so that the County and participating communities remain eligible for pre-disaster and post-disaster mitigation grant programs.

We are currently in the process of identifying potential hazards and are in need of participation by residents in Crawford County. A public involvement meeting has been arranged for Tuesday, July 23, 2019 from 6:30-8:30 PM with public attendance very much needed for feedback.

At this meeting each potential natural, geological, and man-made hazard will be reviewed to determine its potential threat to Crawford County. The public's feedback is essential to provide input on any potential hazards and to rate the priority of the hazards that will be included in the next plan.

The event will be held in the Lower Level Conference Room of the Crawford County Courthouse (112 E. Mansfield Street, Bucyrus, Ohio 44820).

Signed,

Kirk Williamson, Crawford County EMA Director



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Crawford EMA to update hazard planning

By Crawford County Now Staff News Release July 15, 2019 8:41 am

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Submitted

BUCYRUS — The Crawford County Hazard Mitigation Plan is due for updating. It is necessary to update the plan every five years so that the county and participating communities remain eligible for pre-disaster and post-disaster mitigation grant programs.

We are currently in the process of identifying potential hazards and are in need of participation by residents in Crawford County.

A public Involvement meeting has been arranged for Tuesday, July 23 from 5:30-6:30 p.m. with public attendance very much needed for feedback.

At this meeting, each potential natural, geological and man-made hazard be reviewed to determine its potential threat to Crawford County. The public's feedback is essential to provide input on any potential hazards and to rate the priority of the hazards that will be included in the next plan.

The event will be in the Lower Level Conference Room at the Crawford County Courthouse (112 E. Mansfield Street, Bucyrus, Ohio 44820).

Signed,

Kirk Williamson
Crawford County EMA Director

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Featured Content



County developing plan to reduce disaster risks

Gere Goble, Bucyrus Telegraph-Forum Published 1:12 p.m. ET July 24, 2019

[Buy Photo](#)



Anna van der Zwaag, back, leads a meeting of the core planning committee for the Crawford County hazard mitigation plan on Tuesday in the basement of the Crawford County Courthouse. (Photo: Gere Goble/Telegraph-Forum)

BUCYRUS - Crawford County has suffered \$67 million in flood damage since federal officials started tracking disasters in the 1950s. Drought and extreme heat have been blamed for \$16 million in crop damage, according to figures provided by the Crawford County Emergency Management Agency. Winter storms caused \$8.5 million in damage.

Disasters happen.

A plan being developed by the county EMA aims to mitigate future disasters.

On Tuesday, the agency took its first major step to developing an updated five-year hazard mitigation plan during a pair of meetings at the Crawford County Courthouse.

During the meetings, conducted by a representative from Burton Planning Services, the company contracted by the county to develop the plan, county emergency service leaders and regular citizens were asked to complete surveys asking what kind of hazards should be considered priorities in Crawford County, and what the county should be doing to mitigate those hazards.

"The more entities we can have involved through the county ... it makes that plan much better," explained Kirk Williamson, county EMA director. "The more involvement we can have with the community, the better the plan will be. The people from the community, they know what they need and what's been done, and it really helps for the future of our mitigation and our plans for the future."

Anna van der Zwaag of Burton Planning Services, who conducted the meetings, started by explaining the importance of hazard mitigation.

"Hazard mitigation is a sustained action to reduce or eliminate the long-term risk to human life, as well as as property and health hazards," she told the roughly two-dozen people who attended the core planning committee meeting Tuesday afternoon. The general public was invited to attend a meeting later that day.

"The last plan was done in 2014, and the surveys in front of you will be asking about how things might have changed since the last plan," van der Zwaag said. "Some hazards might be more significant to your community now than they were five years ago."

She presented a list of hazards the county might face to help planners prioritize risks. In addition to the historic damage figures for floods, drought and winter storms, the list included the facts such as the number of Class 1 dams within or near the county (six) and how many tornadoes have struck the county (at least 13 since 1961). Class 1 is the category for the largest dams by height, storage volume or potential hazard downstream.

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Aside from the direct benefit of reducing risks in the community, there's another important reason for completing the plan, Williamson explained.

"It's a requirement by FEMA (Federal Emergency Management Agency) to be able to receive funding in the event of a disaster," he said. "You're required to have a mitigation plan for them to be eligible for funding."

Van der Zwaag explained that Burton Planning Services will use the surveys to develop a list of proposed mitigation actions. Those proposals will be presented during a second round of meetings in August.

"The next meeting, they will be focusing a whole new set of actions that have been brainstormed that the county might be able to include implement on the next five years," she said. "The public, they can give feedback. The more numbers we have, the better indication we have of what the community wants to see, and what are the most important projects to implement."

The next public meeting will take place at 5:30 p.m. Aug. 20 in the courthouse basement.

The plan is due at the end of November, so county EMA officials hope to have it approved by end of October, Williamson said.

ggoble@gannett.com

419-521-7263

Read or Share this story: <https://www.bucyrustelegraphforum.com/story/news/2019/07/24/county-updating-its-disaster-mitigation-plan/1813014001/>



CORE PLANNING COMMITTEE MEETING #1

July 23, 2019 at 3:30pm

SIGN-IN SHEET

Lower Level Conference Room at the Crawford County Courthouse (112 E. Mansfield Street, Bucyrus, Ohio 44820)

NAME	PHONE	EMAIL	EMPLOYER	TITLE
Elvin W. Pinckney	614 214-3234	EPINCKNEY@BURTONPLANNING.COM	BURTON PLANNING SERVICES	SENIOR ENVIRONMENTAL SPECIALIST
Gere Goble	419-559-7463	GGoble@gannett.com	Telegraph-Forum	Reporter
Ange Makeever	419-512-8418	amakeever@auntars.org	Aunta	Emergency Mgt. Mgr.
Kirk Williams	419-862-6009	ccema@crawford-co.org	Crawford County	EMA
M. J. J. J.	419-512-227			EMA
Richard B. B.	419-562-4002			LEPC
Jane P. P.	567-224-0805		Crawford	LEPC
Jette C. C.	419-562-6009	ccema@crawford-co.org	Commissioner	Dep. Dir.
Brian S. S.	419-463-5255	briansaferhieg@city.crawford-co.org	City of Crawford	Police Chief
John S. S.	419-934-1907	jsaferhieg@crawford-co.org	County EMA	EMA Director
Kelly S. S.				
Joe S. S.	419-468-3930	pastorjoewassey@stjohns.org	Wesley Chapel	
Blythe B. B.	419-689-6209	Blythe.Burma@crawfordhealth.org	Crawford Co. Public Health	Emergency preparedness Coordinator / Sanitarian
Tim L. L.	419-562-5874		Commissioner	County Comm.



CORE PLANNING COMMITTEE MEETING #1

July 23, 2019 at 3:30pm

SIGN-IN SHEET

Lower Level Conference Room at the Crawford County Courthouse (112 E. Mansfield Street, Bucyrus, Ohio 44820)

NAME	PHONE	EMAIL	EMPLOYER	TITLE
Joe Jakubick	419-512-3830	jakubickj@firstenergycorp.com	First Energy	External Affairs
Matt Henderson	419-685-3154	henderson.matt@crestline.k12.oh.us	Crestline ENSD	Superintendent
Kyle Hantman	419-563-1859	kyleh@ Crawford - Co. OH	Crawford County Auditor's Office	GTU Director
Mary O'Brine	419-492-2643	mobrine@stbernard.k12.oh.us	St Bernard School	Principal
FRED FOX	419-562-7823	fox@wyandotschools.org	Wyandot Schools	Superintendent
Lauren Fricke	614-912-9915	Lauren - Fricke@wayne.edu	Wayne HD	Internal
Anna van der Zaag	614-406-7775	avanderzaag@kirtaplan.org	BPS	Associate Planner



CORE PLANNING COMMITTEE MEETING #1

July 23, 2019 at 3:30pm

SIGN-IN SHEET

Lower Level Conference Room at the Crawford County Courthouse (112 E. Mansfield Street, Bucyrus, Ohio 44820)

NAME	PHONE	EMAIL	EMPLOYER	TITLE
no Russell	419-565-7867	mar@Crawford-co.ohio.gov	Crawford	Commissioner
Kate Siefert	419-562-5571	Kate.Siefert@CrawfordHealth.org	Crawford	Health Commissioner
Mark Baker	419-563-1521	markb@crawfordco.us	"	Co. Engineer
MIKE HALL	419-562-8880	MIKE.HALL@CRAWFORDCO.USA	Crawford	SWCIT OFC.
Jeremy Schick	419-472-2721	Schick4143@newarkohio.us	NW PD	Chief
Andrea Barnes	419-468-1075	andrea.barnes@galionhealth.org	Galion City HD	Director of EH
Gary Frankhouse	419-563-1867	garyf@crawfordpartnership.org	Crawford	Exec Director
Sarah McNamee	419-569-2470	smcnamc@co.marion.oh.us	Marion County EMA	Director



PUBLIC MEETING #1

July 23, 2019 at 5:30pm

SIGN-IN SHEET

Lower Level Conference Room at the Crawford County Courthouse (112 E. Mansfield Street, Bucyrus, Ohio 44820)

NAME	PHONE	EMAIL	EMPLOYER	TITLE
Shaun Rowlinson	419-834-0005	rowlinson05@yahoo.com	Bucyrus Twp fire	chief
Lucas Miller	419-569-0434	mlillerluka500@gmail.com	Bucyrus Twp fire	ass chief
Robin Hupsher	419 564 5541	ver.twp.10@gmail	Vernon Township	Asst. officer
Dave Hancock	419-569-4785	davehancock@yahoo.com	Holmes VFD	Fire Fighter
Doug Weisenauer	419-562-5876	Doug@maurice-co.org	Crawford Co	Commissioner
Mark Heebner	(419)569-0521	mufdchick@gmail.com	New Washington VFD	Chief
John Schiefer	419-834-0336	schieferbins@gmail.com	Holmes Twp.	Fire Chief
Kirk Huffman	419-562-6001	ccema@crawford-co.org	EMA	Director
Jette Cander	419-562-6009	" "	"	Deputy 1
Elvin Pinckney	614-214-3234	epinckney@burtonplanning.com	BPS	Senior Env. Specialist
Anna van der Zwaag	614-406-7775	avanderzwaag@burtonplanning.com	BPS	Associate Planner



PUBLIC MEETING #1

July 23, 2019 at 5:30pm

SIGN-IN SHEET

Lower Level Conference Room at the Crawford County Courthouse (112 E. Mansfield Street, Bucyrus, Ohio 44820)

NAME	PHONE	EMAIL	EMPLOYER	TITLE
Regis W. Jones	419 562 3863	regis44mag@earthlink.net	Holmes Twp	Trustee



CORE PLANNING COMMITTEE MEETING #1

July 23, 2019, 3:30 pm

Lower Level Conference Room, Crawford County Courthouse
112 E. Mansfield Street, Bucyrus, Ohio 44820

1. Introductions
2. Hazard Mitigation Overview
3. Progress Update
4. Committee Role & Action Items
5. Next Steps



1

Crawford County Hazard Mitigation Plan

Introductions

- Crawford County EMA
- BPS Project Team  Burton Planning Services
 - Kimberly Burton, P.E., AICP CTP, LEED AP ND, Project Manager
 - Rich Roths, AICP, Hazard Mitigation Strategies
 - Anna van der Zwaag, Plan Preparation, Public Involvement
 - Brett Morris, LEED Green Associate, Plan Preparation, Hazus Modeling
 - Elvin Pinckney, Public Involvement
- Core Planning Committee Members (You!)







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Crawford County Hazard Mitigation Plan

Introductions

- Why are we here today?
 - Hazard mitigation overview
 - Progress update
 - Gather stakeholder input
 - Next steps
 - *Update the Crawford County Natural Hazard Mitigation Plan from 2014*



Source: Crawford County Now

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Crawford County Hazard Mitigation Plan

Hazard Mitigation Overview

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Crawford County Hazard Mitigation Plan

Hazard Mitigation Overview

- What is hazard mitigation?
 - A sustained action to reduce or eliminate the long-term risk to human life and property from hazards.
- Goals:
 - Reduce potential losses in future disasters.
 - Identify natural hazards and identify actions to reduce loss.
 - Establish a process to implement these actions.


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Crawford County Hazard Mitigation Plan

Hazard Mitigation Overview

- Potential types of hazards include:
 - Water (flooding, dam/levee failure)
 - Wind (hurricanes, tornadoes, damaging winds)
 - Storms and Extreme Temperature
 - Drought and Wildfires
 - Geology (landslides, earthquakes)
 - Invasive species
 - Man-made (hazardous materials, terrorism)
 - Epidemics



Microhydropower dam, Seattle 2015

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Crawford County Hazard Mitigation Plan

Hazard Mitigation Overview

- The disaster response cycle

```

graph LR
    A["(1) Mitigation"] --> B["(2) Preparedness"]
    B --> C["(3) Response"]
    C --> D["(4) Recovery"]
  
```

- (1) Mitigation**
 - Well-before a disaster
 - Hazard Mitigation Plan
- (2) Preparedness**
 - When a disaster is imminent
 - Emergency Operations Plan
- (3) Response**
 - During a disaster
 - Short-term emergency aid and assistance
- (4) Recovery**
 - Post-disaster
 - Disaster Recovery Plan

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Crawford County Hazard Mitigation Plan

Hazard Mitigation Overview

- Robert T. Stafford Disaster Relief and Emergency Assistance Act, 1988
 - Presidential disaster declarations trigger federal assistance via FEMA.
- Disaster Mitigation Act, 2000 (DMA2K)
 - Legal basis for FEMA's state, local, and tribal mitigation planning requirements.
 - Jurisdictions must have an adopted plan to receive funds from FEMA in the event of a disaster.

Source: Crawford County Now

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Crawford County Hazard Mitigation Plan

Hazard Mitigation Overview

- Hazard Mitigation Plan Requirements
 - To receive FEMA funding, hazard mitigation plans must be **adopted** by local jurisdictions & **updated** every 5 years.
 - Hazard mitigation plans must include:
 - Public participation & documented update process
 - Existing conditions/demographics
 - Major disaster declarations since the previous plan
 - Risk assessments & vulnerability analyses for hazards
 - Mitigation actions & their status
 - Identified plan maintenance & updates

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Crawford County Hazard Mitigation Plan

Hazard Mitigation Overview

- Funding Opportunities
 - Federal Funding Sources
 - <https://www.fema.gov/hazard-mitigation-assistance>
 - Individual Assistance (IA) & Public Assistance (PA)
 - Fire Mitigation Assistance Grants (FMAG)
 - Hazard Mitigation Grant Program (HMGP)
 - Pre-Disaster Mitigation (PDM)
 - Flood Mitigation Assistance (FMA)

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Crawford County Hazard Mitigation Plan

Hazard Mitigation Overview

- Funding Opportunities
 - Federal Funding Types of Projects
 - Property acquisition, demolition, relocation
 - Property reconstruction
 - Structure elevation, floodproofing, retrofits
 - Generators
 - Safe rooms
 - Soil stabilization
 - Etc.

Source: Crawford County Now

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Crawford County Hazard Mitigation Plan

Hazard Mitigation Overview

- Overall benefits of hazard mitigation planning:
 - Minimize property damage, economic loss, injuries, and loss of human life.
 - Enhance public awareness and education of natural and man-made hazards.
 - Coordinate inter-jurisdictional preparedness measures, mitigation actions, and programs for efficient and effective implementation.
 - Provide tools for decision-makers to better prepare for disasters.
 - Achieve state and federal regulatory compliance to be eligible for funding.

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Crawford County Hazard Mitigation Plan

Hazard Mitigation Overview

- Overall benefits of hazard mitigation planning:
 6. Municipalities: funds for related building/infrastructure needs, such as addressing issues caused by hazards or improvements to reduce future issues.
 7. Police & Fire: funds for safety-related equipment & resources.
 8. Schools: funds for school safety-related equipment/resources.
 9. Businesses: reduce/eliminate site & operational impacts.
 10. General Public: reduce/eliminate monetary & emotional costs from lost lives & homes.

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Crawford County Hazard Mitigation Plan

Process and Schedule

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Crawford County Hazard Mitigation Plan

Process & Schedule

- Completed and Upcoming Tasks:
 - ✓ Gathered GIS base mapping
 - ✓ Gathered critical facilities information
 - ✓ Gathered repetitive loss property information
 - ✓ Summarized features and demographics of County and communities
 - ✓ Gathered historical information on previous hazard events
 - Identify past and potential hazards to evaluate in this plan update – **need feedback today**
 - Identify mitigation actions from the previous plan that need to be updated – **need feedback today**

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Crawford County Hazard Mitigation Plan

Process & Schedule

- Hazard Mitigation Planning Process:
 - ✓ Milestone 1: Project Kickoff Announcement; Gather Data For Existing Conditions/Demographics
 - ✓ Milestone 2: Hold Planning Meeting #1
 - Milestone 3: Perform Risk Assessments & Vulnerability Analyses; Develop Mitigation Actions
 - Milestone 4: Hold Planning Meeting #2
 - Milestone 5: Prepare Draft Plan
 - Milestone 6: Conduct Reviews Of Draft Plan
 - Milestone 7: Adoption Of Plan
 - Milestone 8: Closeout Project

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Crawford County Hazard Mitigation Plan

Process & Schedule

	June	July	August	September	October	November
Project Kickoff	■					
Existing Conditions		■				
Perform Risk Assessments		■				
Prepare Mitigation Actions			■			
Prepare Draft Plan			■	■		
Final Review of Draft Plan (OEMA)				■	■	
Adoption of Plan					■	■
Close Out Project						■
Public Involvement / Meetings	■	■	■	■	■	■

- Important Dates
 - ✓ Milestone 1: Project Kickoff – June 19, 2019 (Sent out by County EMA)
 - ✓ Milestone 2: Planning Meeting #1 – July 23, 2019
 - Milestone 3: Planning Meeting #2 – August 20, 2019
 - Milestone 6: Reviews of draft plan – September/October 2019
 - Milestone 7: Adoption of plan – November 2019

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Crawford County Hazard Mitigation Plan

Core Planning Committee

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Crawford County Hazard Mitigation Plan

Core Planning Committee Role

- Overview
 - Provide local knowledge & data as needed, including history, demographics, spatial information.
 - Help identify potential hazards based on previous experience & prioritize based on risk.
 - Help develop new mitigation actions, determine status of previous mitigation actions & prioritize
 - Provide feedback on draft plan
 - Participate in both planning meetings
 - Assist in plan adoption for representative local jurisdiction

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Crawford County Hazard Mitigation Plan

Core Planning Committee Role

Today:

1. Add second meeting to schedule
2. Identify points-of-contact for each community
3. Complete surveys
4. General feedback



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Crawford County Hazard Mitigation Plan

Core Planning Committee Action Items

- Second Core Planning Committee Meeting:
 - Tuesday, **August 20, 2019, 3:30 PM**
 - Public Meeting to follow at 5:30 PM
 - Same time and location as today
- Identify points of contact
 - Name, contact info, if different than attendee


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Crawford County Hazard Mitigation Plan

Core Planning Committee Action Items

- Complete Surveys
 - Survey #1: Goals
 - Goals guide the Plan and inform the development of specific mitigation actions.
 - Evaluate goals from last plan.
 - Provide comments, changes.




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Crawford County Hazard Mitigation Plan

Core Planning Committee Action Items

- Complete Surveys
 - Survey #2: Hazard Priorities
 - Many hazards could be included in the plan update (see Hazards Overview handout).
 - Determine which ones from the full list should be included in this plan.
 - Rate the priority of all hazards.



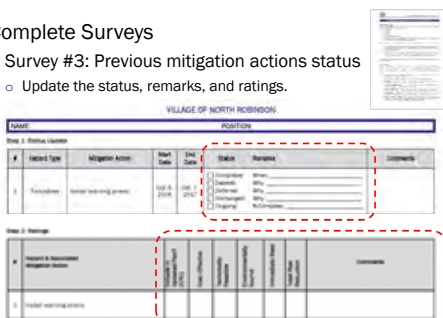
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23

Crawford County Hazard Mitigation Plan

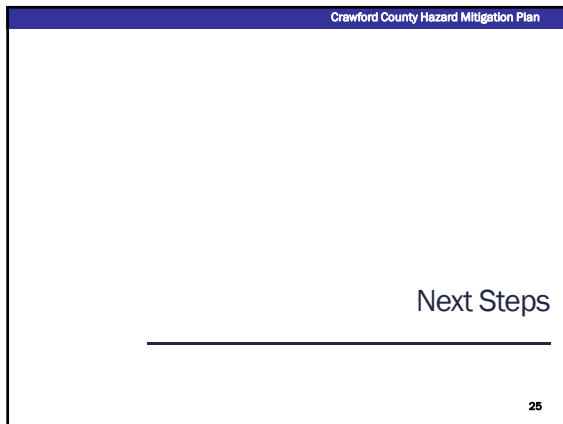
Core Planning Committee Action Items

- Complete Surveys
 - Survey #3: Previous mitigation actions status
 - Update the status, remarks, and ratings.

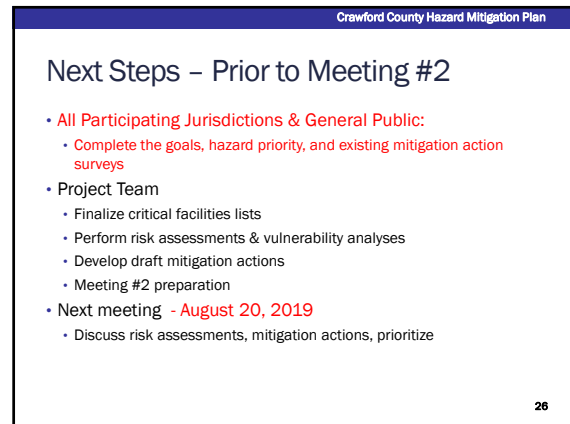


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1

Crawford County Hazard Mitigation Plan

Introductions

- Why are we here today?
 - Hazard mitigation overview
 - Progress update
 - Gather public input
 - Next steps
 - *Update the Crawford County Natural Hazard Mitigation Plan from 2014*



Source: Crawford County Now

2

2

Crawford County Hazard Mitigation Plan

Hazard Mitigation Overview

3

3

Crawford County Hazard Mitigation Plan

Hazard Mitigation Overview

- What is hazard mitigation?
 - A sustained action to reduce or eliminate the long-term risk to human life and property from hazards.
- Goals:
 - Reduce potential losses in future disasters.
 - Identify natural hazards and identify actions to reduce loss.
 - Establish a process to implement these actions.

4

4

Crawford County Hazard Mitigation Plan

Hazard Mitigation Overview

- Potential types of hazards include:
 - Water (flooding, dam/levee failure)
 - Wind (hurricanes, tornadoes, damaging winds)
 - Storms and Extreme Temperature
 - Drought and wildfires
 - Geology (landslides, earthquakes)
 - Invasive species
 - Man-made (hazardous materials, terrorism)
 - Epidemics



Microhydropower dam, Seattle 2015

5

5

Crawford County Hazard Mitigation Plan

Hazard Mitigation Overview

- Hazard Mitigation Plan Requirements
 - To receive FEMA funding, hazard mitigation plans must be **adopted** by local jurisdictions & **updated** every 5 years.
 - Hazard mitigation plans must include:
 - Public participation & documented update process
 - Existing conditions/demographics
 - Major disaster declarations since the previous plan
 - Risk assessments & vulnerability analyses for hazards
 - Mitigation actions & their status
 - Identified plan maintenance & updates

6

6

Crawford County Hazard Mitigation Plan

Hazard Mitigation Overview

- Funding Opportunities
 - Federal Funding Types of Projects
 - Property acquisition, demolition, relocation
 - Property reconstruction
 - Structure elevation, floodproofing, retrofits
 - Generators
 - Safe rooms
 - Soil stabilization
 - Etc.



Source: Crawford County Now

7

7

Crawford County Hazard Mitigation Plan

Hazard Mitigation Overview

- Overall benefits of hazard mitigation planning:
 1. Minimize property damage, economic loss, injuries, and loss of human life.
 2. Enhance public awareness and education of natural and man-made hazards.
 3. Coordinate inter-jurisdictional preparedness measures, mitigation actions, and programs for efficient and effective implementation.
 4. Provide tools for decision-makers to better prepare for disasters.
 5. Achieve state and federal regulatory compliance to be eligible for funding.

8

8

Crawford County Hazard Mitigation Plan

Hazard Mitigation Overview

- Overall benefits of hazard mitigation planning:
 6. Municipalities: funds for related building/infrastructure needs, such as addressing issues caused by hazards or improvements to reduce future issues.
 7. Police & Fire: funds for safety-related equipment & resources.
 8. Schools: funds for school safety-related equipment/resources.
 9. Businesses: reduce/eliminate site & operational impacts.
 10. General Public: reduce/eliminate monetary & emotional costs from lost lives & homes.

9

9

Crawford County Hazard Mitigation Plan

Process and Schedule

10

10

Crawford County Hazard Mitigation Plan

Process & Schedule

- Completed and Upcoming Tasks:
 - ✓ Gathered GIS base mapping
 - ✓ Gathered critical facilities information
 - ✓ Gathered repetitive loss property information
 - ✓ Summarized features and demographics of County and communities
 - ✓ Gathered historical information on previous hazard events
 - Identify past and potential hazards to evaluate in this plan update – **need feedback today**
 - Identify mitigation actions from the previous plan that need to be updated – **need feedback today**

11

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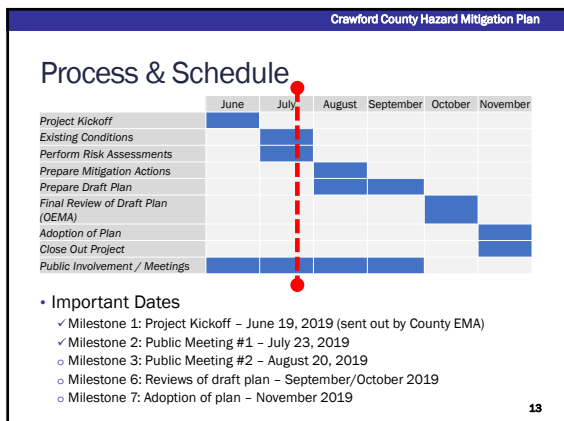
Crawford County Hazard Mitigation Plan

Process & Schedule

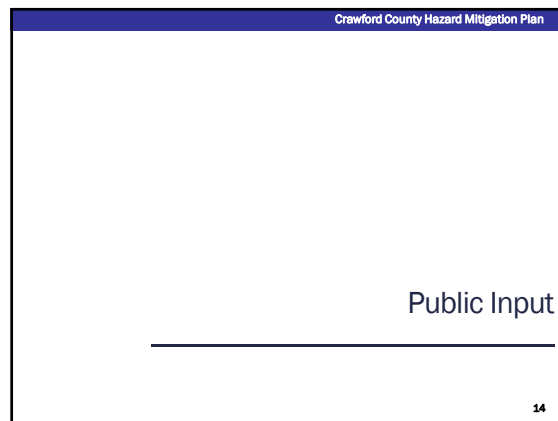
- Hazard Mitigation Planning Process:
 - ✓ Milestone 1: Project Kickoff Announcement; Gather Data For Existing Conditions/Demographics
 - ✓ Milestone 2: Hold Public Meeting #1
 - Milestone 3: Perform Risk Assessments & Vulnerability Analyses; Develop Mitigation Actions
 - Milestone 4: Hold Public Meeting #2
 - Milestone 5: Prepare Draft Plan
 - Milestone 6: Conduct Reviews Of Draft Plan
 - Milestone 7: Adoption Of Plan
 - Milestone 8: Closeout Project

12

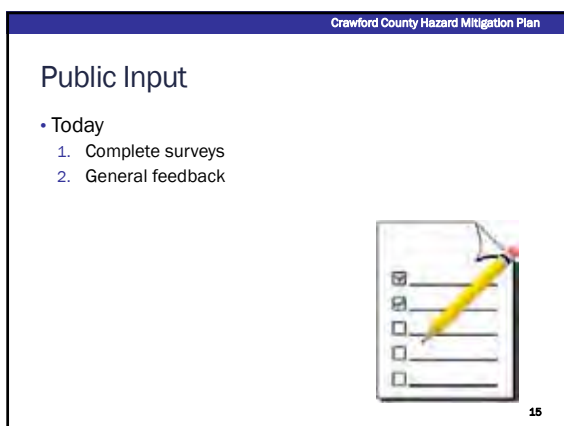
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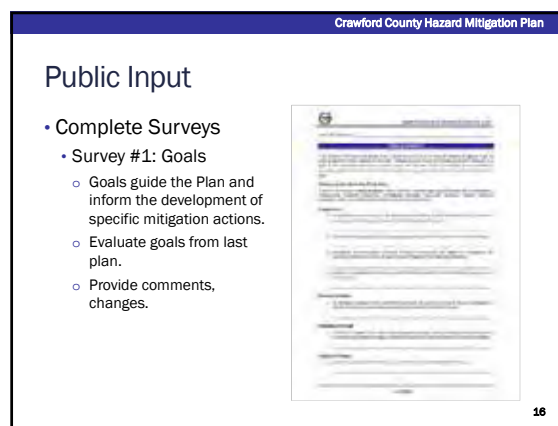
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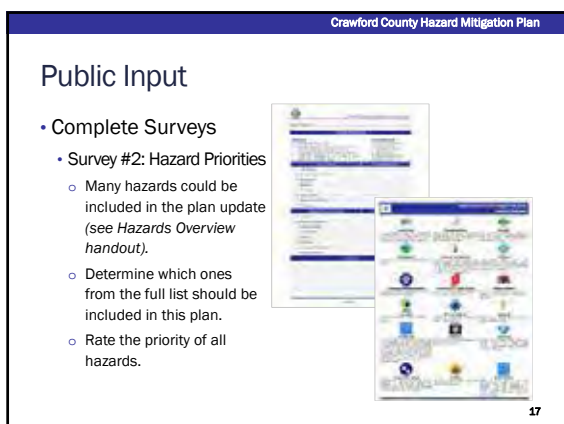
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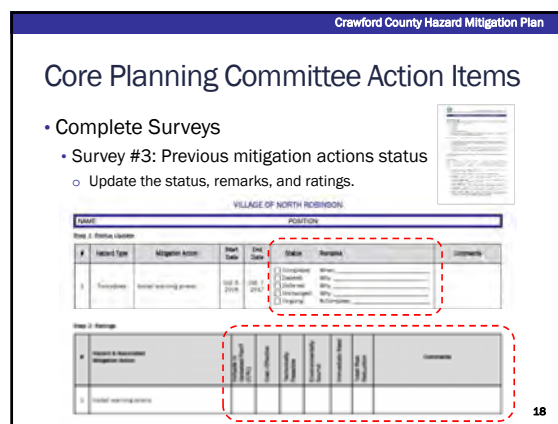
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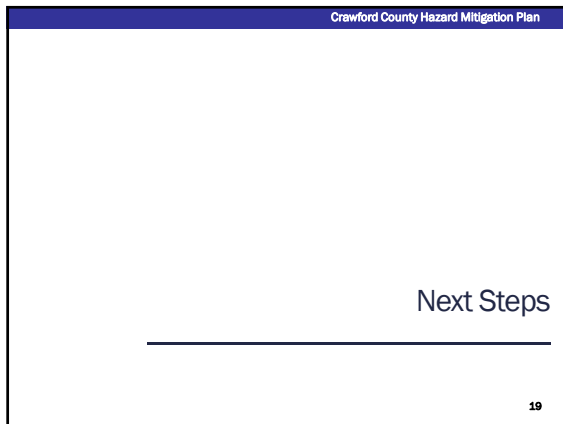
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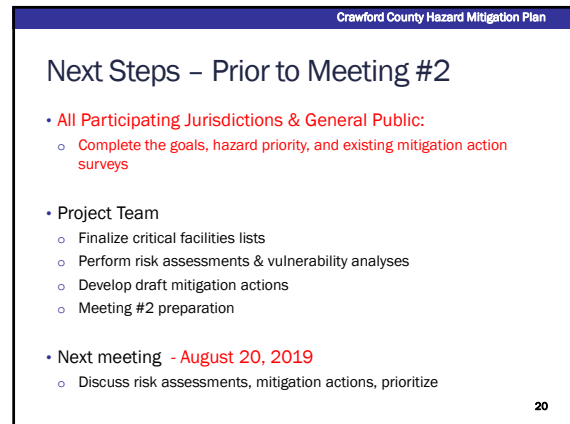
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Dam Failure

There are six Class I dams within or near Crawford County. Dam failure is characterized by the rapid and uncontrolled release of impounded water. No dam failures have been recorded in Crawford County.



Drought / Extreme Heat

Droughts occur when water levels drop. They can occur anywhere, and they increase the risks of flash floods, wildfires, and landslides. Droughts have caused \$16 million in crop damage in Crawford County.



Earthquakes

Earthquakes are caused by the breaking and shifting of rocks beneath the earth's surface. A 3.3 magnitude earthquake occurred near Crestline in 1995.



Epidemic

Epidemics occur when an infectious disease spreads quickly throughout a community, usually infecting a large amount of people.



Flooding

Flooding is caused by the overflow of inland water. Flash floods occur when rain water accumulates on impervious surfaces. Flooding, including flash flooding, has caused \$67 million of property damage in Crawford County.



Severe Storms

Severe storms can include hail, damaging winds, and lightning. Rain storms that cause flooding and tornadoes are discussed in other hazards. Wind, lightning, and hail have caused \$7 million of property damage in Crawford County.



Winter Storms

Winter storms can include extreme cold, freezing rain, ice, snow, high winds, or any combination of these conditions. Winter storms have caused \$8.5 million of property damage in Crawford County.



Tornadoes

Tornadoes usually occur during severe thunderstorms. Crawford County has experienced at least 13 tornadoes since 1961.



Landslide

A landslide occurs when rocks, earth, or other materials moving down a slope. Common causes include rain, floods, and development practices along slopes. There are no reported landslides in Crawford County.



Hazardous Materials Accidents

Hazardous materials accidents include spills at storage or processing facilities, as well as spills along roadways or railways during shipping. Spills from transit can originate from other counties.



Invasive Species

Invasive Species are any species within Crawford County that are not native to the area. These species can cause ecological or economic damage.



Utility/Power Failure

Utility failure occurs when neighborhoods or communities lose access to electricity, gas, running water, or any other utility. Damage can be direct (downed power lines) or indirect (spoiled goods).



Wildfire

Wildfires are fires that occur in the wilderness or countryside and spread quickly, especially during droughts. No wildfires have been reported in Crawford County.



Terrorism

Terrorism events include large scale attacks, as well as active shooters and cyber-attacks.



Mine Subsidence

Mine Subsidence occurs when the roof of a subsurface mine collapses, causing the ground above to sink or subside.



Hurricanes & Tropical Storms

Hurricanes and tropical storms are severe storms that occur over tropical waters. Impacts can be felt far from the source. Remnants from hurricanes and tropical storms (e.g. Hurricane Ike in 2008) have passed through Crawford County.



HAZARD MITIGATION

Purpose of Hazard Mitigation

According to the Federal Emergency Management Agency (FEMA), hazard mitigation is any sustained action taken to reduce or eliminate the long-term risk to human life and property from hazards such as tornadoes, flooding, and winter and severe storms. Mitigation activities may be implemented prior to, during, or after an incident. However, hazard mitigation has been shown to be most effective when based on an inclusive, comprehensive, long-term plan that is developed before a disaster occurs.

Because of this, federal regulations were developed through the Robert T. Stafford Disaster Relief and Emergency Assistance Act of 1988 and the Disaster Mitigation Act of 2000, to provide for state, local, and tribal governments to undertake a risk-based approach to reducing risks to natural hazards through mitigation planning. Under the Disaster Mitigation Act of 2000, jurisdictions must have an adopted hazard mitigation plan to receive funds from the Federal Emergency Management Agency (FEMA) in the event of a disaster.

Federal Requirements

To receive FEMA funding, hazard mitigation plans must be adopted by local jurisdictions, updated every 5 years, and include:

- Public participation and documented update process
- Existing conditions and demographics
- Major disaster declarations since the previous plan
- Risk assessments and vulnerability analyses for hazards
- Mitigation actions and their status
- Identified plan maintenance and updates

Planning Process

- **Milestone 1:** Project kickoff; gather data for existing conditions and demographics.
- **Milestone 2:** Public Meeting #1 will provide time for the community to review goals for the plan, rank potential hazards, and determine status of previous mitigation actions.
- **Milestone 3:** Burton Planning Services will perform risk assessments & vulnerability analyses and develop mitigation actions based on the feedback received from the first public meeting.
- **Milestone 4:** Public Meeting #2 will provide time for the community to review the proposed mitigation actions and rate actions based on relevance to local communities.
- **Milestone 5:** Burton Planning Services will prepare a draft plan based on community feedback and survey results.
- **Milestone 6:** The Ohio Emergency Management Agency and FEMA will conduct reviews of the draft plan.
- **Milestone 7:** Once the plan has been approved by FEMA, the County and participating jurisdictions will adopt the plan.

To Participate: Fill out a paper copy of the surveys at the public meeting or at the County EMA offices or go to links on the back of this page to fill out the surveys online.

Questions & Contact: For questions, please contact Kirk Williamson, Crawford County Emergency Management Agency Director at (419) 562-6009 or ccema@crawford-co.org.

Types of Hazards

Water

- Flooding
- Dam & Levee Failure

Wind

- Tornadoes
- Damaging Winds
- Hurricanes

Storms

Extreme Temperatures

Drought & Wildfire

Geology

- Landslides
- Mine Subsidence
- Earthquakes

Invasive Species

Man-made

- Hazardous Materials
- Terrorism



SURVEYS

Goals Survey and Hazard Priority Survey

The Goals Survey reviews the goals from Crawford County's 2014 Natural Hazard Mitigation Plan to determine if they are still relevant and if any new goals should be added to the 2019 mitigation plan.

The Hazard Priority Survey seeks feedback on each potential hazard to determine which hazards should be included in the Plan.

Link: https://www.surveymonkey.com/r/CrawfordCo_GoalsPriorities



2014 Previous Mitigation Action Status Survey

The 2014 Previous Mitigation Action Status Survey seeks feedback on the status of the mitigation actions included in Crawford County's 2014 Natural Hazard Mitigation Plan and asks if the same mitigation actions should be carried into the 2019 mitigation plan.

Link: https://www.surveymonkey.com/r/CrawfordCo_PreviousActions





Name & Organization: _____

GOALS SURVEY

It is important to revisit the goals from Crawford County's 2014 Natural Hazard 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)

In the 2014 Natural Hazard Mitigation Plan, Crawford County organized the goals into six categories: preventative, property protection, emergency services, structural projects, natural resource protection, and public information. Please review each goal below.

Preventative:

- ☐ To reduce risk and loss of life by implementing activities to give Crawford County citizens as much advance warning as possible of impending natural hazards.

- ☐ Coordinate existing plans and strategies already in place to put them to more effective use.

- ☐ Strengthen communication between various communities and agencies throughout the County to make them aware of good, sound mitigation activities and practices.

- ☐ Continue to coordinate policies and plans for the protection of critical facilities, services, and infrastructure.

Property Protection

- ☐ To develop practices and implement activities to protect lives and reduce damages to homes, businesses, industries, and agricultural areas of Crawford County.

Emergency Services

- ☐ Continue to support and coordinate emergency services efforts throughout the County and continue to strengthen emergency operation plans at the various Crawford County communities.

Structural Projects

- ☐ Continued maintenance of existing river, stream, and retention dikes and levees.



Natural Resource Protection

- ☐ Continue to rehabilitate, protect, and enhance the natural systems already in place in order to preserve the rich, historical, and agricultural environment found in Crawford County.

Public Information

- ☐ Continue to promote public awareness of the risks associated with natural hazard events.

New Goals

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

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

Please provide any additional comments on the goals in the space provided below.



Name & Organization: _____

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

Comments



CRAWFORD COUNTY HAZARD MITIGATION PLAN
PREVIOUS MITIGATION ACTIONS STATUS & SCORING MATRIX

CRAWFORD COUNTY

NAME: _____ POSITION: _____

Step 1: Status Update

#	Hazard Type	Mitigation Action	Start Date	End Date	Status	Remarks	Comments
1	Multiple Hazards	Increase communication, coordination and collaboration among community leaders, property owners, local building regulations and zoning authorities to address risk and provide uniformity and consistency in implementing sound mitigation practices.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2	Multiple Hazards	Develop a large gathering shelter plan for festivals and other events.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
3	Multiple Hazards	Implement recommendations of feasibility study for upgrading countywide safety service communications.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4	Multiple Hazards	Identify and pursue funding options and opportunities to develop and implement local and county natural hazard mitigation activities.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5	Multiple Hazards	Continuance of a First Responders supply depot.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	



CRAWFORD COUNTY HAZARD MITIGATION PLAN
PREVIOUS MITIGATION ACTIONS STATUS & SCORING MATRIX

#	Hazard Type	Mitigation Action	Start Date	End Date	Status	Remarks	Comments
6	Multiple Hazards	Encourage underground utility placement and tree maintenance programs in public right of ways.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
7	Tornadoes	Convert old fire sirens into tornado sirens	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
8	Tornadoes	Continue yearly tornado drills at all schools.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
9	Tornadoes	Provide weather radios to homes that are in sparsely populated areas.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
10	Tornadoes	Participate in the Ohio Safe Room Rebate Program	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
11	Tornadoes	Establish NOAA Weather Radio program for festivals, fairgrounds, campgrounds, parks, and recreation areas.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
12	Tornadoes	Safe room for mobile home parks.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	



CRAWFORD COUNTY HAZARD MITIGATION PLAN
PREVIOUS MITIGATION ACTIONS STATUS & SCORING MATRIX

#	Hazard Type	Mitigation Action	Start Date	End Date	Status	Remarks	Comments
13	Flooding	Identify surface water/county tile drainage obstructions for unincorporated areas.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
14	Flooding	Encourage development of strategies to preserve scenic waterways and open space in and around floodplains.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
15	Flooding	Pursue mitigation activities and funding for designated flood prone areas.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
16	Flooding	Investigate and record repetitive flooding areas in cities and villages.	Oct. 6, 2006	Oct. 7, 2016	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
17	Winter Storms	Increase public awareness of severe winter storms.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
18	Drought	Provide education opportunities to farmers to reduce adverse effects of drought.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
19	Drought	Cities and villages to adopt water conservation measures and standards.	Oct. 6, 2006	Oct. 7, 2011	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	



CRAWFORD COUNTY HAZARD MITIGATION PLAN
PREVIOUS MITIGATION ACTIONS STATUS & SCORING MATRIX

#	Hazard Type	Mitigation Action	Start Date	End Date	Status	Remarks	Comments
20	Earthquake	Provide public awareness and safety procedures during and following an earthquake event.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ 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	Increase communication, coordination and collaboration among community leaders, property owners, local building regulations and zoning authorities to address risk and provide uniformity and consistency in implementing sound mitigation practices.							
2	Develop a large gathering shelter plan for festivals and other events.							
3	Implement recommendations of feasibility study for upgrading countywide safety service communications.							
4	Identify and pursue funding options and opportunities to develop and implement local and county natural hazard mitigation activities.							
5	Continuance of a First Responders supply depot.							



CRAWFORD COUNTY HAZARD MITIGATION PLAN
PREVIOUS MITIGATION ACTIONS STATUS & SCORING MATRIX

#	Hazard & Associated Mitigation Action	Include in Updated Plan? (Y/N)	Cost-Effective	Technically Feasible	Environmentally Sound	Immediate Need	Total Risk Reduction	Comments
6	Encourage underground utility placement and tree maintenance programs in public right of ways.							
7	Convert old fire sirens into tornado sirens							
8	Continue yearly tornado drills at all schools.							
9	Provide weather radios to homes that are in sparsely populated areas.							
10	Participate in the Ohio Safe Room Rebate Program							
11	Establish NOAA Weather Radio program for festivals, fairgrounds, campgrounds, parks, and recreation areas.							
12	Safe room for mobile home parks.							
13	Identify surface water/county tile drainage obstructions for unincorporated areas.							
14	Encourage development of strategies to preserve scenic waterways and open space in and around floodplains.							
15	Pursue mitigation activities and funding for designated flood prone areas.							
16	Investigate and record repetitive flooding areas in cities and villages.							



CRAWFORD COUNTY HAZARD MITIGATION PLAN
PREVIOUS MITIGATION ACTIONS STATUS & SCORING MATRIX

#	Hazard & Associated Mitigation Action	Include in Updated Plan? (Y/N)	Cost-Effective	Technically Feasible	Environmentally Sound	Immediate Need	Total Risk Reduction	Comments
17	Increase public awareness of severe winter storms.							
18	Provide education opportunities to farmers to reduce adverse effects of drought.							
19	Cities and villages to adopt water conservation measures and standards.							
20	Provide public awareness and safety procedures during and following an earthquake event.							



CRAWFORD COUNTY HAZARD MITIGATION PLAN
PREVIOUS MITIGATION ACTIONS STATUS & SCORING MATRIX

AUBURN TOWNSHIP

NAME: _____

POSITION: _____

Step 1: Status Update

#	Hazard Type	Mitigation Action	Start Date	End Date	Status	Remarks	Comments
1	Flooding	Identify surface water/county tile drainage obstructions for unincorporated areas.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2	Flooding	Evaluate township roads for frequent flood areas in each township.	Oct. 6, 2006	Oct. 7, 2017	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ 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	Identify surface water/county tile drainage obstructions for unincorporated areas.							
2	Evaluate township roads for frequent flood areas in each township.							



CRAWFORD COUNTY HAZARD MITIGATION PLAN
PREVIOUS MITIGATION ACTIONS STATUS & SCORING MATRIX

BUCCYRUS TOWNSHIP

NAME:

POSITION:

Step 1: Status Update

#	Hazard Type	Mitigation Action	Start Date	End Date	Status	Remarks	Comments
1	Flooding	Identify surface water/county tile drainage obstructions for unincorporated areas.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2	Flooding	Evaluate township roads for frequent flood areas in each township.	Oct. 6, 2006	Oct. 7, 2017	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ 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	Identify surface water/county tile drainage obstructions for unincorporated areas.							
2	Evaluate township roads for frequent flood areas in each township.							



CRAWFORD COUNTY HAZARD MITIGATION PLAN
PREVIOUS MITIGATION ACTIONS STATUS & SCORING MATRIX

CHATFIELD TOWNSHIP

NAME: _____ POSITION: _____

Step 1: Status Update

#	Hazard Type	Mitigation Action	Start Date	End Date	Status	Remarks	Comments
1	Flooding	Identify surface water/county tile drainage obstructions for unincorporated areas.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2	Flooding	Evaluate township roads for frequent flood areas in each township.	Oct. 6, 2006	Oct. 7, 2017	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ 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	Identify surface water/county tile drainage obstructions for unincorporated areas.							
2	Evaluate township roads for frequent flood areas in each township.							



CRAWFORD COUNTY HAZARD MITIGATION PLAN
PREVIOUS MITIGATION ACTIONS STATUS & SCORING MATRIX

CRANBERRY TOWNSHIP

NAME: _____ POSITION: _____

Step 1: Status Update

#	Hazard Type	Mitigation Action	Start Date	End Date	Status	Remarks	Comments
1	Flooding	Identify surface water/county tile drainage obstructions for unincorporated areas.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2	Flooding	Evaluate township roads for frequent flood areas in each township.	Oct. 6, 2006	Oct. 7, 2017	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ 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	Identify surface water/county tile drainage obstructions for unincorporated areas.							
2	Evaluate township roads for frequent flood areas in each township.							



CRAWFORD COUNTY HAZARD MITIGATION PLAN
PREVIOUS MITIGATION ACTIONS STATUS & SCORING MATRIX

DALLAS TOWNSHIP

NAME: _____

POSITION: _____

Step 1: Status Update

#	Hazard Type	Mitigation Action	Start Date	End Date	Status	Remarks	Comments
1	Flooding	Identify surface water/county tile drainage obstructions for unincorporated areas.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2	Flooding	Evaluate township roads for frequent flood areas in each township.	Oct. 6, 2006	Oct. 7, 2017	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ 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	Identify surface water/county tile drainage obstructions for unincorporated areas.							
2	Evaluate township roads for frequent flood areas in each township.							



CRAWFORD COUNTY HAZARD MITIGATION PLAN
PREVIOUS MITIGATION ACTIONS STATUS & SCORING MATRIX

HOLMES TOWNSHIP

NAME: _____ POSITION: _____

Step 1: Status Update

#	Hazard Type	Mitigation Action	Start Date	End Date	Status	Remarks	Comments
1	Flooding	Identify surface water/county tile drainage obstructions for unincorporated areas.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2	Flooding	Evaluate township roads for frequent flood areas in each township.	Oct. 6, 2006	Oct. 7, 2017	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ 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	Identify surface water/county tile drainage obstructions for unincorporated areas.							
2	Evaluate township roads for frequent flood areas in each township.							



CRAWFORD COUNTY HAZARD MITIGATION PLAN
PREVIOUS MITIGATION ACTIONS STATUS & SCORING MATRIX

JACKSON TOWNSHIP

NAME: _____

POSITION: _____

Step 1: Status Update

#	Hazard Type	Mitigation Action	Start Date	End Date	Status	Remarks	Comments
1	Flooding	Identify surface water/county tile drainage obstructions for unincorporated areas.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2	Flooding	Evaluate township roads for frequent flood areas in each township.	Oct. 6, 2006	Oct. 7, 2017	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ 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	Identify surface water/county tile drainage obstructions for unincorporated areas.							
2	Evaluate township roads for frequent flood areas in each township.							



CRAWFORD COUNTY HAZARD MITIGATION PLAN
PREVIOUS MITIGATION ACTIONS STATUS & SCORING MATRIX

JEFFERSON TOWNSHIP

NAME: _____ POSITION: _____

Step 1: Status Update

#	Hazard Type	Mitigation Action	Start Date	End Date	Status	Remarks	Comments
1	Flooding	Identify surface water/county tile drainage obstructions for unincorporated areas.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2	Flooding	Evaluate township roads for frequent flood areas in each township.	Oct. 6, 2006	Oct. 7, 2017	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ 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	Identify surface water/county tile drainage obstructions for unincorporated areas.							
2	Evaluate township roads for frequent flood areas in each township.							



CRAWFORD COUNTY HAZARD MITIGATION PLAN
PREVIOUS MITIGATION ACTIONS STATUS & SCORING MATRIX

LIBERTY TOWNSHIP

NAME: _____

POSITION: _____

Step 1: Status Update

#	Hazard Type	Mitigation Action	Start Date	End Date	Status	Remarks	Comments
1	Flooding	Identify surface water/county tile drainage obstructions for unincorporated areas.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2	Flooding	Evaluate township roads for frequent flood areas in each township.	Oct. 6, 2006	Oct. 7, 2017	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ 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	Identify surface water/county tile drainage obstructions for unincorporated areas.							
2	Evaluate township roads for frequent flood areas in each township.							



CRAWFORD COUNTY HAZARD MITIGATION PLAN
PREVIOUS MITIGATION ACTIONS STATUS & SCORING MATRIX

LYKENS TOWNSHIP

NAME: _____ POSITION: _____

Step 1: Status Update

#	Hazard Type	Mitigation Action	Start Date	End Date	Status	Remarks	Comments
1	Flooding	Identify surface water/county tile drainage obstructions for unincorporated areas.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2	Flooding	Evaluate township roads for frequent flood areas in each township.	Oct. 6, 2006	Oct. 7, 2017	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ 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	Identify surface water/county tile drainage obstructions for unincorporated areas.							
2	Evaluate township roads for frequent flood areas in each township.							



CRAWFORD COUNTY HAZARD MITIGATION PLAN
PREVIOUS MITIGATION ACTIONS STATUS & SCORING MATRIX

POLK TOWNSHIP

NAME: _____ POSITION: _____

Step 1: Status Update

#	Hazard Type	Mitigation Action	Start Date	End Date	Status	Remarks	Comments
1	Flooding	Identify surface water/county tile drainage obstructions for unincorporated areas.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2	Flooding	Evaluate township roads for frequent flood areas in each township.	Oct. 6, 2006	Oct. 7, 2017	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ 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	Identify surface water/county tile drainage obstructions for unincorporated areas.							
2	Evaluate township roads for frequent flood areas in each township.							



CRAWFORD COUNTY HAZARD MITIGATION PLAN
PREVIOUS MITIGATION ACTIONS STATUS & SCORING MATRIX

SANDUSKY TOWNSHIP

NAME: _____ POSITION: _____

Step 1: Status Update

#	Hazard Type	Mitigation Action	Start Date	End Date	Status	Remarks	Comments
1	Flooding	Identify surface water/county tile drainage obstructions for unincorporated areas.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2	Flooding	Evaluate township roads for frequent flood areas in each township.	Oct. 6, 2006	Oct. 7, 2017	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ 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	Identify surface water/county tile drainage obstructions for unincorporated areas.							
2	Evaluate township roads for frequent flood areas in each township.							



CRAWFORD COUNTY HAZARD MITIGATION PLAN
PREVIOUS MITIGATION ACTIONS STATUS & SCORING MATRIX

TEXAS TOWNSHIP

NAME: _____ POSITION: _____

Step 1: Status Update

#	Hazard Type	Mitigation Action	Start Date	End Date	Status	Remarks	Comments
1	Flooding	Identify surface water/county tile drainage obstructions for unincorporated areas.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2	Flooding	Evaluate township roads for frequent flood areas in each township.	Oct. 6, 2006	Oct. 7, 2017	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ 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	Identify surface water/county tile drainage obstructions for unincorporated areas.							
2	Evaluate township roads for frequent flood areas in each township.							



CRAWFORD COUNTY HAZARD MITIGATION PLAN
PREVIOUS MITIGATION ACTIONS STATUS & SCORING MATRIX

TOD TOWNSHIP

NAME: _____ POSITION: _____

Step 1: Status Update

#	Hazard Type	Mitigation Action	Start Date	End Date	Status	Remarks	Comments
1	Flooding	Identify surface water/county tile drainage obstructions for unincorporated areas.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2	Flooding	Evaluate township roads for frequent flood areas in each township.	Oct. 6, 2006	Oct. 7, 2017	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ 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	Identify surface water/county tile drainage obstructions for unincorporated areas.							
2	Evaluate township roads for frequent flood areas in each township.							



CRAWFORD COUNTY HAZARD MITIGATION PLAN
PREVIOUS MITIGATION ACTIONS STATUS & SCORING MATRIX

VERNON TOWNSHIP

NAME:

POSITION:

Step 1: Status Update

#	Hazard Type	Mitigation Action	Start Date	End Date	Status	Remarks	Comments
1	Flooding	Identify surface water/county tile drainage obstructions for unincorporated areas.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2	Flooding	Evaluate township roads for frequent flood areas in each township.	Oct. 6, 2006	Oct. 7, 2017	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ 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	Identify surface water/county tile drainage obstructions for unincorporated areas.							
2	Evaluate township roads for frequent flood areas in each township.							



CRAWFORD COUNTY HAZARD MITIGATION PLAN
PREVIOUS MITIGATION ACTIONS STATUS & SCORING MATRIX

WHEETSTONE TOWNSHIP

NAME: _____ POSITION: _____

Step 1: Status Update

#	Hazard Type	Mitigation Action	Start Date	End Date	Status	Remarks	Comments
1	Flooding	Identify surface water/county tile drainage obstructions for unincorporated areas.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2	Flooding	Evaluate township roads for frequent flood areas in each township.	Oct. 6, 2006	Oct. 7, 2017	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ 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	Identify surface water/county tile drainage obstructions for unincorporated areas.							
2	Evaluate township roads for frequent flood areas in each township.							



CRAWFORD COUNTY HAZARD MITIGATION PLAN
PREVIOUS MITIGATION ACTIONS STATUS & SCORING MATRIX

CITY OF BUCYRUS

NAME: _____ POSITION: _____

Step 1: Status Update

#	Hazard Type	Mitigation Action	Start Date	End Date	Status	Remarks	Comments
1	Multiple Hazards	Increase communication, coordination and collaboration among community leaders, property owners, local building regulations and zoning authorities to address risk and provide uniformity and consistency in implementing sound mitigation practices.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2	Multiple Hazards	Develop a large gathering shelter plan for festivals and other events.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
3	Multiple Hazards	Implement recommendations of feasibility study for upgrading countywide safety service communications.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4	Multiple Hazards	Identify and pursue funding options and opportunities to develop and implement local and county natural hazard mitigation activities.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5	Multiple Hazards	Continuance of a First Responders supply depot.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	



CRAWFORD COUNTY HAZARD MITIGATION PLAN
PREVIOUS MITIGATION ACTIONS STATUS & SCORING MATRIX

#	Hazard Type	Mitigation Action	Start Date	End Date	Status	Remarks	Comments
6	Multiple Hazards	Encourage underground utility placement and tree maintenance programs in public right of ways.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
7	Tornadoes	Convert old fire sirens into tornado sirens.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
8	Tornadoes	Continue yearly tornado drills at all schools.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
9	Tornadoes	Provide weather radios to homes that are in sparsely populated areas.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
10	Tornadoes	Participate in the Ohio Safe Room Rebate Program.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
11	Tornadoes	Establish NOAA Weather Radio program for festivals, fairgrounds, campgrounds, parks, and recreation areas.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
12	Tornadoes	Safe room for mobile home parks.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
13	Flooding	Encourage development of strategies to preserve scenic waterways and open space in and around floodplains.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	



CRAWFORD COUNTY HAZARD MITIGATION PLAN
PREVIOUS MITIGATION ACTIONS STATUS & SCORING MATRIX

#	Hazard Type	Mitigation Action	Start Date	End Date	Status	Remarks	Comments
14	Flooding	Pursue mitigation activities and funding for designated flood prone areas.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
15	Flooding	Analyze and establish mitigation measures to protect wastewater treatment plant.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
16	Flooding	Pursue funding for mitigation actions of floodplain properties and residences along waterways through Bucyrus and Gallon.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
17	Flooding	Assess and map problem drainage areas.	Oct. 6, 2006	Oct. 7, 2017	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
18	Flooding	Complete EPA storm/sanitary separation system.	Oct. 6, 2006	Oct. 7, 2017	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
19	Flooding	Investigate and record repetitive flooding areas in cities and villages.	Oct. 6, 2006	Oct. 7, 2016	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
20	Winter Storms	Increase public awareness of severe winter storms.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
21	Drought	Ensure municipalities have enough water supplies.	Oct. 6, 2006	Oct. 7, 2017	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	



CRAWFORD COUNTY HAZARD MITIGATION PLAN
PREVIOUS MITIGATION ACTIONS STATUS & SCORING MATRIX

#	Hazard Type	Mitigation Action	Start Date	End Date	Status	Remarks	Comments
22	Drought	Provide education opportunities to farmers to reduce adverse effects of drought.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
23	Drought	Cities and villages to adopt water conservation measures and standards.	Oct. 6, 2006	Oct. 7, 2011	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
24	Earthquake	Provide public awareness and safety procedures during and following an earthquake event.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	



CRAWFORD COUNTY HAZARD MITIGATION PLAN
PREVIOUS MITIGATION ACTIONS STATUS & SCORING MATRIX

CITY OF BUCYRUS

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	Increase communication, coordination and collaboration among community leaders, property owners, local building regulations and zoning authorities to address risk and provide uniformity and consistency in implementing sound mitigation practices.							
2	Develop a large gathering shelter plan for festivals and other events.							
3	Implement recommendations of feasibility study for upgrading countywide safety service communications.							
4	Identify and pursue funding options and opportunities to develop and implement local and county natural hazard mitigation activities.							
5	Continuance of a First Responders supply depot.							
6	Encourage underground utility placement and tree maintenance programs in public right of ways.							
7	Convert old fire sirens into tornado sirens							
8	Continue yearly tornado drills at all schools.							
9	Provide weather radios to homes that are in sparsely populated areas.							
10	Participate in the Ohio Safe Room Rebate Program							
11	Establish NOAA Weather Radio program for festivals, fairgrounds, campgrounds, parks, and recreation areas.							



CRAWFORD COUNTY HAZARD MITIGATION PLAN
PREVIOUS MITIGATION ACTIONS STATUS & SCORING MATRIX

#	Hazard & Associated Mitigation Action	Include in Updated Plan? (Y/N)	Cost-Effective	Technically Feasible	Environmentally Sound	Immediate Need	Total Risk Reduction	Comments
12	Safe room for mobile home parks.							
13	Encourage development of strategies to preserve scenic waterways and open space in and around floodplains.							
14	Pursue mitigation activities and funding for designated flood prone areas.							
15	Analyze and establish mitigation measures to protect wastewater treatment plant.							
16	Pursue funding for mitigation actions of floodplain properties and residences along waterways through Bucyrus and Gallon							
17	Assess and map problem drainage areas							
18	Complete EPA storm/sanitary separation system							
19	Investigate and record repetitive flooding areas in cities and villages.							
20	Increase public awareness of severe winter storms.							
21	Ensure municipalities have enough water supplies.							
22	Provide education opportunities to farmers to reduce adverse effects of drought.							
23	Cities and villages to adopt water conservation measures and standards.							
24	Provide public awareness and safety procedures during and following an earthquake event.							



CRAWFORD COUNTY HAZARD MITIGATION PLAN
PREVIOUS MITIGATION ACTIONS STATUS & SCORING MATRIX

CITY OF GALION

NAME: _____ POSITION: _____

Step 1: Status Update

#	Hazard Type	Mitigation Action	Start Date	End Date	Status	Remarks	Comments
1	Multiple Hazards	Increase communication, coordination and collaboration among community leaders, property owners, local building regulations and zoning authorities to address risk and provide uniformity and consistency in implementing sound mitigation practices.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2	Multiple Hazards	Develop a large gathering shelter plan for festivals and other events.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
3	Multiple Hazards	Implement recommendations of feasibility study for upgrading countywide safety service communications.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4	Multiple Hazards	Identify and pursue funding options and opportunities to develop and implement local and county natural hazard mitigation activities.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5	Multiple Hazards	Continuance of a First Responders supply depot.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	



CRAWFORD COUNTY HAZARD MITIGATION PLAN
PREVIOUS MITIGATION ACTIONS STATUS & SCORING MATRIX

#	Hazard Type	Mitigation Action	Start Date	End Date	Status	Remarks	Comments
6	Multiple Hazards	Encourage underground utility placement and tree maintenance programs in public right of ways.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
7	Tornadoes	Convert old fire sirens into tornado sirens.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
8	Tornadoes	Continue yearly tornado drills at all schools.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
9	Tornadoes	Provide weather radios to homes that are in sparsely populated areas.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
10	Tornadoes	Participate in the Ohio Safe Room Rebate Program.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
11	Tornadoes	Establish NOAA Weather Radio program for festivals, fairgrounds, campgrounds, parks, and recreation areas.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
12	Tornadoes	Safe room for mobile home parks.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
13	Flooding	Encourage development of strategies to preserve scenic waterways and open space in and around floodplains.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	



CRAWFORD COUNTY HAZARD MITIGATION PLAN
PREVIOUS MITIGATION ACTIONS STATUS & SCORING MATRIX

#	Hazard Type	Mitigation Action	Start Date	End Date	Status	Remarks	Comments
14	Flooding	Pursue mitigation activities and funding for designated flood prone areas.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
15	Flooding	Analyze and establish mitigation measures to protect wastewater treatment plant.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
16	Flooding	Pursue funding for mitigation actions of floodplain properties and residences along waterways through Bucyrus and Gallon.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
17	Flooding	Assess and map problem drainage areas.	Oct. 6, 2006	Oct. 7, 2017	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
18	Flooding	Complete EPA storm/sanitary separation system.	Oct. 6, 2006	Oct. 7, 2017	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
19	Flooding	Investigate and record repetitive flooding areas in cities and villages.	Oct. 6, 2006	Oct. 7, 2016	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
20	Winter Storms	Increase public awareness of severe winter storms.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
21	Drought	Ensure municipalities have enough water supplies.	Oct. 6, 2006	Oct. 7, 2017	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	



CRAWFORD COUNTY HAZARD MITIGATION PLAN
PREVIOUS MITIGATION ACTIONS STATUS & SCORING MATRIX

#	Hazard Type	Mitigation Action	Start Date	End Date	Status	Remarks	Comments
22	Drought	Provide education opportunities to farmers to reduce adverse effects of drought.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
23	Drought	Cities and villages to adopt water conservation measures and standards.	Oct. 6, 2006	Oct. 7, 2011	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
24	Earthquake	Provide public awareness and safety procedures during and following an earthquake event.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	



CRAWFORD COUNTY HAZARD MITIGATION PLAN
PREVIOUS MITIGATION ACTIONS STATUS & SCORING MATRIX

CITY OF GALION

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	Increase communication, coordination and collaboration among community leaders, property owners, local building regulations and zoning authorities to address risk and provide uniformity and consistency in implementing sound mitigation practices.							
2	Develop a large gathering shelter plan for festivals and other events.							
3	Implement recommendations of feasibility study for upgrading countywide safety service communications.							
4	Identify and pursue funding options and opportunities to develop and implement local and county natural hazard mitigation activities.							
5	Continuance of a First Responders supply depot.							
6	Encourage underground utility placement and tree maintenance programs in public right of ways.							
7	Convert old fire sirens into tornado sirens							
8	Continue yearly tornado drills at all schools.							
9	Provide weather radios to homes that are in sparsely populated areas.							
10	Participate in the Ohio Safe Room Rebate Program							
11	Establish NOAA Weather Radio program for festivals, fairgrounds, campgrounds, parks, and recreation areas.							



CRAWFORD COUNTY HAZARD MITIGATION PLAN
PREVIOUS MITIGATION ACTIONS STATUS & SCORING MATRIX

#	Hazard & Associated Mitigation Action	Include in Updated Plan? (Y/N)	Cost-Effective	Technically Feasible	Environmentally Sound	Immediate Need	Total Risk Reduction	Comments
12	Safe room for mobile home parks.							
13	Encourage development of strategies to preserve scenic waterways and open space in and around floodplains.							
14	Pursue mitigation activities and funding for designated flood prone areas.							
15	Analyze and establish mitigation measures to protect wastewater treatment plant.							
16	Pursue funding for mitigation actions of floodplain properties and residences along waterways through Bucyrus and Gallon							
17	Assess and map problem drainage areas							
18	Complete EPA storm/sanitary separation system							
19	Investigate and record repetitive flooding areas in cities and villages.							
20	Increase public awareness of severe winter storms.							
21	Ensure municipalities have enough water supplies.							
22	Provide education opportunities to farmers to reduce adverse effects of drought.							
23	Cities and villages to adopt water conservation measures and standards.							
24	Provide public awareness and safety procedures during and following an earthquake event.							



CRAWFORD COUNTY HAZARD MITIGATION PLAN
PREVIOUS MITIGATION ACTIONS STATUS & SCORING MATRIX

VILLAGE OF CRESTLINE

NAME: _____ POSITION: _____

Step 1: Status Update

#	Hazard Type	Mitigation Action	Start Date	End Date	Status	Remarks	Comments
1	Multiple Hazards	Increase communication, coordination and collaboration among community leaders, property owners, local building regulations and zoning authorities to address risk and provide uniformity and consistency in implementing sound mitigation practices.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2	Multiple Hazards	Develop a large gathering shelter plan for festivals and other events.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
3	Multiple Hazards	Implement recommendations of feasibility study for upgrading countywide safety service communications.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4	Multiple Hazards	Identify and pursue funding options and opportunities to develop and implement local and county natural hazard mitigation activities.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5	Multiple Hazards	Continuance of a First Responders supply depot.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	



CRAWFORD COUNTY HAZARD MITIGATION PLAN
PREVIOUS MITIGATION ACTIONS STATUS & SCORING MATRIX

#	Hazard Type	Mitigation Action	Start Date	End Date	Status	Remarks	Comments
6	Multiple Hazards	Encourage underground utility placement and tree maintenance programs in public right of ways.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
7	Tornadoes	Convert old fire sirens into tornado sirens	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
8	Tornadoes	Continue yearly tornado drills at all schools.	Oct. 6, 2006	Oct. 7, 2017	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
9	Tornadoes	Provide weather radios to homes that are in sparsely populated areas.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
10	Tornadoes	Participate in the Ohio Safe Room Rebate Program	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
11	Tornadoes	Establish NOAA Weather Radio program for festivals, fairgrounds, campgrounds, parks, and recreation areas.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
12	Tornadoes	Safe room for mobile home parks.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
13	Flooding	Encourage development of strategies to preserve scenic waterways and open space in and around floodplains.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	



CRAWFORD COUNTY HAZARD MITIGATION PLAN
PREVIOUS MITIGATION ACTIONS STATUS & SCORING MATRIX

#	Hazard Type	Mitigation Action	Start Date	End Date	Status	Remarks	Comments
14	Flooding	Pursue mitigation activities and funding for designated flood prone areas.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
15	Flooding	Assess and map problem drainage areas	Oct. 6, 2006	Oct. 7, 2017	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
16	Flooding	Complete EPA storm/sanitary separation system	Oct. 6, 2006	Oct. 7, 2017	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
17	Flooding	Investigate and record repetitive flooding areas in cities and villages.	Oct. 6, 2006	Oct. 7, 2016	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
18	Winter Storms	Increase public awareness of severe winter storms.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
19	Drought	Ensure municipalities have enough water supplies.	Oct. 6, 2006	Oct. 7, 2017	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
20	Drought	Provide education opportunities to farmers to reduce adverse effects of drought.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
21	Drought	Cities and villages to adopt water conservation measures and standards.	Oct. 6, 2006	Oct. 7, 2011	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	



CRAWFORD COUNTY HAZARD MITIGATION PLAN
PREVIOUS MITIGATION ACTIONS STATUS & SCORING MATRIX

#	Hazard Type	Mitigation Action	Start Date	End Date	Status	Remarks	Comments
22	Earthquake	Provide public awareness and safety procedures during and following an earthquake event.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ 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	Increase communication, coordination and collaboration among community leaders, property owners, local building regulations and zoning authorities to address risk and provide uniformity and consistency in implementing sound mitigation practices.							
2	Develop a large gathering shelter plan for festivals and other events.							
3	Implement recommendations of feasibility study for upgrading countywide safety service communications.							
4	Identify and pursue funding options and opportunities to develop and implement local and county natural hazard mitigation activities.							
5	Continuance of a First Responders supply depot.							
6	Encourage underground utility placement and tree maintenance programs in public right of ways.							



CRAWFORD COUNTY HAZARD MITIGATION PLAN
PREVIOUS MITIGATION ACTIONS STATUS & SCORING MATRIX

#	Hazard & Associated Mitigation Action	Include in Updated Plan? (Y/N)	Cost-Effective	Technically Feasible	Environmentally Sound	Immediate Need	Total Risk Reduction	Comments
7	Convert old fire sirens into tornado sirens							
8	Continue yearly tornado drills at all schools.							
9	Provide weather radios to homes that are in sparsely populated areas.							
10	Participate in the Ohio Safe Room Rebate Program							
11	Establish NOAA Weather Radio program for festivals, fairgrounds, campgrounds, parks, and recreation areas.							
12	Safe room for mobile home parks.							
13	Encourage development of strategies to preserve scenic waterways and open space in and around floodplains.							
14	Pursue mitigation activities and funding for designated flood prone areas.							
15	Assess and map problem drainage areas							
16	Complete EPA storm/sanitary separation system							



CRAWFORD COUNTY HAZARD MITIGATION PLAN
PREVIOUS MITIGATION ACTIONS STATUS & SCORING MATRIX

#	Hazard & Associated Mitigation Action	Include in Updated Plan? (Y/N)	Cost-Effective	Technically Feasible	Environmentally Sound	Immediate Need	Total Risk Reduction	Comments
17	Investigate and record repetitive flooding areas in cities and villages.							
18	Increase public awareness of severe winter storms.							
19	Ensure municipalities have enough water supplies.							
20	Provide education opportunities to farmers to reduce adverse effects of drought.							
21	Cities and villages to adopt water conservation measures and standards.							
22	Provide public awareness and safety procedures during and following an earthquake event.							



CRAWFORD COUNTY HAZARD MITIGATION PLAN
PREVIOUS MITIGATION ACTIONS STATUS & SCORING MATRIX

VILLAGE OF NEW WASHINGTON

NAME: _____ POSITION: _____

Step 1: Status Update

#	Hazard Type	Mitigation Action	Start Date	End Date	Status	Remarks	Comments
1	Multiple Hazards	Increase communication, coordination and collaboration among community leaders, property owners, local building regulations and zoning authorities to address risk and provide uniformity and consistency in implementing sound mitigation practices.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
2	Multiple Hazards	Develop a large gathering shelter plan for festivals and other events.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
3	Multiple Hazards	Implement recommendations of feasibility study for upgrading countywide safety service communications.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
4	Multiple Hazards	Identify and pursue funding options and opportunities to develop and implement local and county natural hazard mitigation activities.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5	Multiple Hazards	Continuance of a First Responders supply depot.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	



CRAWFORD COUNTY HAZARD MITIGATION PLAN
PREVIOUS MITIGATION ACTIONS STATUS & SCORING MATRIX

#	Hazard Type	Mitigation Action	Start Date	End Date	Status	Remarks	Comments
6	Multiple Hazards	Encourage underground utility placement and tree maintenance programs in public right of ways.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
7	Tornadoes	Convert old fire sirens into tornado sirens	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
8	Tornadoes	Continue yearly tornado drills at all schools.	Oct. 6, 2006	Oct. 7, 2017	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
9	Tornadoes	Provide weather radios to homes that are in sparsely populated areas.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
10	Tornadoes	Participate in the Ohio Safe Room Rebate Program	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
11	Tornadoes	Establish NOAA Weather Radio program for festivals, fairgrounds, campgrounds, parks, and recreation areas.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
12	Tornadoes	Safe room for mobile home parks.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
13	Flooding	Encourage development of strategies to preserve scenic waterways and open space in and around floodplains.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	



CRAWFORD COUNTY HAZARD MITIGATION PLAN
PREVIOUS MITIGATION ACTIONS STATUS & SCORING MATRIX

#	Hazard Type	Mitigation Action	Start Date	End Date	Status	Remarks	Comments
14	Flooding	Pursue mitigation activities and funding for designated flood prone areas.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
15	Flooding	Assess and map problem drainage areas	Oct. 6, 2006	Oct. 7, 2017	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
16	Flooding	Complete EPA storm/sanitary separation system	Oct. 6, 2006	Oct. 7, 2017	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
17	Flooding	Investigate and record repetitive flooding areas in cities and villages.	Oct. 6, 2006	Oct. 7, 2016	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
18	Winter Storms	Increase public awareness of severe winter storms.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
19	Drought	Ensure municipalities have enough water supplies.	Oct. 6, 2006	Oct. 7, 2017	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
20	Drought	Provide education opportunities to farmers to reduce adverse effects of drought.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
21	Drought	Cities and villages to adopt water conservation measures and standards.	Oct. 6, 2006	Oct. 7, 2011	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	



CRAWFORD COUNTY HAZARD MITIGATION PLAN
PREVIOUS MITIGATION ACTIONS STATUS & SCORING MATRIX

#	Hazard Type	Mitigation Action	Start Date	End Date	Status	Remarks	Comments
22	Earthquake	Provide public awareness and safety procedures during and following an earthquake event.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ 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	Increase communication, coordination and collaboration among community leaders, property owners, local building regulations and zoning authorities to address risk and provide uniformity and consistency in implementing sound mitigation practices.							
2	Develop a large gathering shelter plan for festivals and other events.							
3	Implement recommendations of feasibility study for upgrading countywide safety service communications.							
4	Identify and pursue funding options and opportunities to develop and implement local and county natural hazard mitigation activities.							
5	Continuance of a First Responders supply depot.							
6	Encourage underground utility placement and tree maintenance programs in public right of ways.							



CRAWFORD COUNTY HAZARD MITIGATION PLAN
PREVIOUS MITIGATION ACTIONS STATUS & SCORING MATRIX

#	Hazard & Associated Mitigation Action	Include in Updated Plan? (Y/N)	Cost-Effective	Technically Feasible	Environmentally Sound	Immediate Need	Total Risk Reduction	Comments
7	Convert old fire sirens into tornado sirens							
8	Continue yearly tornado drills at all schools.							
9	Provide weather radios to homes that are in sparsely populated areas.							
10	Participate in the Ohio Safe Room Rebate Program							
11	Establish NOAA Weather Radio program for festivals, fairgrounds, campgrounds, parks, and recreation areas.							
12	Safe room for mobile home parks.							
13	Encourage development of strategies to preserve scenic waterways and open space in and around floodplains.							
14	Pursue mitigation activities and funding for designated flood prone areas.							
15	Assess and map problem drainage areas							
16	Complete EPA storm/sanitary separation system							



CRAWFORD COUNTY HAZARD MITIGATION PLAN
PREVIOUS MITIGATION ACTIONS STATUS & SCORING MATRIX

#	Hazard & Associated Mitigation Action	Include in Updated Plan? (Y/N)	Cost-Effective	Technically Feasible	Environmentally Sound	Immediate Need	Total Risk Reduction	Comments
17	Investigate and record repetitive flooding areas in cities and villages.							
18	Increase public awareness of severe winter storms.							
19	Ensure municipalities have enough water supplies.							
20	Provide education opportunities to farmers to reduce adverse effects of drought.							
21	Cities and villages to adopt water conservation measures and standards.							
22	Provide public awareness and safety procedures during and following an earthquake event.							



CRAWFORD COUNTY HAZARD MITIGATION PLAN
PREVIOUS MITIGATION ACTIONS STATUS & SCORING MATRIX

VILLAGE OF NORTH ROBINSON

NAME: _____

POSITION: _____

Step 1: Status Update

#	Hazard Type	Mitigation Action	Start Date	End Date	Status	Remarks	Comments
1	Tornadoes	Install warning sirens.	Oct. 6, 2006	Oct. 7, 2017	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ 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	Install warning sirens.							

Appendix F: Meeting Documentation

Core Planning Meeting 2 and
Public Meeting 2



CRAWFORD COUNTY HAZARD MITIGATION PLAN UPDATE

CORE PLANNING COMMITTEE MEETING 2 ANNOUNCEMENT

Good Afternoon,

Crawford County was recently awarded a Pre-Disaster Mitigation Grant to update our county's Hazard Mitigation Plan. Community input is critical to this plan's success (and the FEMA approval process). As a stakeholder, we are asking you to participate in the second Core Planning Committee meeting to assist in the identification of mitigation projects that can reduce the impacts, protect people and property, and reduce or eliminate long-term risk.

Our next meeting will be held **Tuesday, August 20, 2019 from 3:30 PM – 4:30 PM** in the Lower Level Conference Room at the Crawford County Courthouse (112 E. Mansfield Street, Bucyrus, Ohio 44820). If you are unable to attend during work hours, you are also welcome to attend the public meeting in the Lower Level Conference Room at the Crawford County Courthouse on **Tuesday, July 23, 2019 from 5:30 PM – 6:30 PM**. It is very important that we representation from all of Crawford County's jurisdictions.

Many of you may wonder why you have been asked to participate in this process. Updating the Hazard Mitigation Plan every five years allows us to identify opportunities to lessen the potential impacts from disasters and also allows us to evaluate projects that have been completed during the past five-year cycle. All possible projects are identified by YOU, our community leaders. Once our plan has gone through the FEMA approval process and has been adopted locally, we can apply for grant funding that could potentially cover 75% of the costs associated with those projects. Without an approved Hazard Mitigation Plan, we would lose our eligibility for future mitigation grant funding. **Municipalities, police and fire departments, schools, businesses, and the general public may receive funding for any mitigation strategy found in the approved and adopted plan update.**

Please RSVP by August 19, 2019 to ccema@crawford-co.org or (419) 562-6009 and let us know which meeting time to expect you. As always, please let us know if you have any questions or if we can assist in any way. Thank you for supporting our project and we look forward to seeing you on August 20th!

Kirk Williamson
Crawford County EMA Director
112 E. Mansfield St., Suite 302
Bucyrus, Ohio 44820
Office: (419) 562-6009

Public invited to give input to mitigation plan

By Crawford County Now Staff News Release August 7, 2019 6:16 am

Save



Crawford County Now File photo

BUCYRUS — The Crawford County Hazard Mitigation Plan is currently being updated.

Hazard Mitigation Plans are revised every five years because the hazards that affect our communities can change over time. The Crawford County Hazard Mitigation Plan addresses threats from potential hazards and identifies possible strategies and projects to reduce the impacts, protect people and property, and reduce or eliminate long-term risk.

These updates allow Crawford County and our participating communities to remain eligible for pre-disaster and post-disaster mitigation grant programs.

Public participation is a critical component of a successful and comprehensive update. Crawford County EMA will be hosting a public meeting on Tuesday, August 20 in the Lower Level Conference Room at the Crawford County Courthouse (112 E. Mansfield Street, Bucyrus, Ohio 44820). The meeting will be from 5:30-6:30 p.m. Attendees will have an opportunity to identify mitigation strategies to reduce or eliminate disaster-related losses.

We may not be able to prevent disasters from happening, but we can work together to reduce or eliminate loss of life, property damage, and financial impacts through hazard mitigation planning. Please join us in making a difference in our community.

Anyone who has questions or would like to provide input should contact Kirk Williamson, Crawford County EMA Director, at 419-562-6009 or at ccema@crawford-co.org.



CORE PLANNING COMMITTEE MEETING #2 SIGN-IN SHEET

August 20, 2019 at 3:30pm

Lower Level Conference Room at the Crawford County Courthouse (112 E. Mansfield Street, Bucyrus, Ohio 44820)

NAME	PHONE	EMAIL	EMPLOYER	TITLE
Kate Siefert	419-562-5871	kate.siefert@ crawfordhealth.org	Crawford County	Health Commissioner
Anna van der Zwaag	414-406-7775	avanderzwaag@burtonplanning.com	Burton Planning Services	Associate Planner
Elvin Puckney	614-244-3234	ElvinPuckney@BurtonPlanning.com	BURTON PLANNING SVS.	SR. ENVIRONMENTAL SPEC
Jeremy Schick	414-442-2321	schickj43@newwashington.us	New Washington	Chief of Police
Kirk Williams	419-562-6009	ccema@crawford-co.oh	EMA	Director
Phil Jackson	419-245-3211	phil.jackson@galion.city	Galion City	Cliff
Jane Pheneas	567-224-0865	disphenue6@gmail.com	EMA	
Sarah Horne	419-569-7653	sarahh@crawfordpartnership.org	Crawford Partnership	marketing and project coordinator
Jette Cander	419-562-6009	ccema@crawford-co.org	Crawford EMA	Deputy Director
Joan Wolfe	419-562-7941	joanw@crawford-co.org	CRAW. Auditor	
Sarah McJannet	740-223-1112	smcjanet@co.marion.oh.us	Marion EMA	Director
Mary Obringer	567-224-2578	MObringer@stbernard.k12.oh.us	St. Bernard School	Principal
TIM LEY	562-5876		COUNTY COMMISSIONER	

CORE PLANNING COMMITTEE MEETING #2 SIGN-IN SHEET

August 20, 2019 at 3:30pm

Lower Level Conference Room at the Crawford County Courthouse (112 E. Mansfield Street, Bucyrus, Ohio 44820)

NAME	PHONE	EMAIL	EMPLOYER	TITLE
Doug Wessner	419-562-5876	DougW@CrawfordCo.org	Crawford Co	Commissioner
Chief David Koepke	419-569-2513	dakoepke.bucyruspd@gmail.com		Chief of Police Bucyrus
Julie Hoffman Tuckey	740-360-7339	jhoffman@17109vfd.com	Dallas Twp FD	Asst Chief
Todd Martin	419-617-8078	martin.todd@ccw12.org	Col. Crawford Schools	Superintendent
JEFF REBER	419-562-6767	mayor@cityofbucyrus.org	Bucyrus OH, US	Mayor
JEFF WAGNER	"	"	"	SSD
Blythe Burman	419-689-6229	Blythe.Burman@CrawfordHealth.org	Crawford County Public Health	Emergency preparedness Coordinator / Sanitarian
Mike Hall	419-562-8280	Mike.Hall@CrawfordCo.org	Crawford Co	Proctor Administrator
Kyle Hartman	419-363-1859	Kyle.Hartman@CrawfordCo.org	Crawford County Auditor's Office	CU Director
Chad Schweendy	419-562-1351	cschweendy@cityofbucyrus.org	Bucyrus Fire	Captain
JOE STAFFORD	419-468-3930	jstafford@jamesstacygroup.com	Wesley Chapel	PASTOR

**PUBLIC MEETING #2 SIGN-IN SHEET**

August 20, 2019 at 5:30pm

Lower Level Conference Room at the Crawford County Courthouse (112 E. Mansfield Street, Bucyrus, Ohio 44820)

NAME	PHONE	EMAIL	EMPLOYER	TITLE
Jodi Keller	419-562-0123	j.keller@centralchristianhospital.org	CCHS	Associate Director of Prep
Regis Jones	419-562-3863	regis44mag@earthlink.net	Holmes Twp	Trustee
Shaun Roulinson	419-834-0005	roulinson05@yahoo.com	Bucyrus Twp	Fire Chief
Scott Bishop	419-343-9747	chatfieldbysp@gmail.com	Village of Chatfield	MAYOR
Kirk Williamson	419-562-6009	ccema@Crawford-co.ohio	EMA	DIRECTOR
Anna Vander Zwaag	614-406-7775	AVANDERZWAAG@BP.com	BURTON PLANNING SVS	ASOC. PLANNER
Jette Lander	419-562-6009	ccema@Crawford-co.ohio	Crawford Co EMA	Deputy Director
Elvin Pinkney	614-214-3234	EPinkney@BurtonPlanning.com	BURTON PLANNING SVS	SR. ENV. SPECIALIST



CORE PLANNING COMMITTEE MEETING #2

August 20, 2019, 3:30pm

Lower Level Conference Room, Crawford County Courthouse

112 E. Mansfield Street, Bucyrus, Ohio 44820

1. Introductions
2. Hazard Mitigation Overview
3. Progress Update
4. Committee Role & Action Items
5. New Mitigation Action Survey
6. Next Steps



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 Crawford 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 Crawford County's existing planning mechanisms.

Instructions

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 action in terms of how environmentally sound it seems, 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. **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.

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. We encourage you to consider regularly occurring problems for each hazard listed below and suggest mitigation actions for these problems. You may also list regularly occurring problems within your community without suggesting a mitigation action.



NEW MITIGATION ACTIONS SCORING MATRIX – CRAWFORD COUNTY

NAME:

JURISDICTION:

Hazard & Associated Mitigation Action	New or previous mitigation action	Applicable to your jurisdiction?	Cost-Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
All Hazards								
1. Increase communication, coordination and collaboration among community leaders, property owners, local building regulations, and zoning authorities to address risk and provide uniformity and consistency in implementing sound mitigation practices.	Old							
2. Develop a large gathering shelter plan for festivals and other events.	Old							
3. Implement recommendations of feasibility study for upgrading countywide safety service communications.	Old							
4. Identify and pursue funding options and opportunities to develop and implement local and county natural hazard mitigation activities.	Old							
5. Encourage underground utility placement and tree maintenance programs in public right of ways.	Old							
6. Develop/update back-up power generation capabilities at critical government facilities (e.g. temporary storm safe locations, community EOCs).	New							
7. Develop/update Continuity of Operations Plans.	New							
8. Provide public education and outreach on disaster preparedness including websites, newsletters, social media, Preparedness Month events, etc.	New							
9. Develop or update Emergency Operation Plans.	New							
10. Maintain an all-hazard outdoor warning siren system, including repairing, replacing, and upgrading.	New							
11. Conduct fire code, building code, zoning, and floodplain management enforcement activities.	New							
12. Prepare public buildings to act as shelters in case of any hazard.	New							
13. Develop a partnership to have places of worship serve as additional shelters.	New							
Severe Storms								
1. Inform residents of the various ways to receive weather alerts.	New							
2. Create a Standard Operating Guideline for the timely clearing of roads from debris caused by severe storms.	New							
3. Install a lightning warning system.	New							
4. Install lightning rods on public buildings.	New							



NEW MITIGATION ACTIONS SCORING MATRIX – CRAWFORD COUNTY

Hazard & Associated Mitigation Action	New or previous mitigation action	Applicable to your jurisdiction?	Cost-Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Flooding								
1. Identify surface water/county tile drainage obstructions for unincorporated areas.	Old							
2. Encourage development of strategies to preserve scenic waterways and open space in and around floodplains.	Old							
3. Pursue mitigation activities and funding for designated flood prone areas.	Old							
4. Investigate and record repetitive loss areas in cities and villages.	Old							
5. Improve the stormwater management system.	New							
6. Identify and study poor draining areas to control flooding.	New							
7. Repair or replace ditches, culverts, and bridges to control flooding.	New							
8. Identify and study riverbank stabilization opportunities.	New							
9. Provide mitigation option guidance to property owners of Repetitive Loss and Severe Repetitive Loss Structures, such as acquisition, relocation, elevation, non-residential dry flood proofing, and non-residential wet flood proofing.	New							
10. Encourage residents in flood prone areas to purchase flood insurance.	New							
11. Modify building codes to encourage water proofing structures.	New							
12. Adopt policies to reduce stormwater runoff.	New							
13. Participate in the Community Rating System (awards communities who exceed NFIP requirements).	New							
Tornadoes								
1. Convert old fire stations into tornado sirens.	Old							
2. Continue yearly tornado drills at all schools.	Old							
3. Provide weather radios to homes that are in sparsely populated areas.	Old							
4. Participate in and promote the Ohio Safe Room Rebate Program for safe room installation by homeowners.	Old							
5. Establish NOAA Weather Radio program for festivals, fairgrounds, campgrounds, parks, and recreation.	Old							
6. Promote commercial safe rooms for high occupancy uses, such as bars and restaurants.	New							
7. Identify tornado safe locations for residents to seek shelter during tornadoes/high wind events.	New							
8. Promote wind and tornado resistant construction practices.	New							



NEW MITIGATION ACTIONS SCORING MATRIX – CRAWFORD COUNTY

Hazard & Associated Mitigation Action	New or previous mitigation action	Applicable to your jurisdiction?	Cost-Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Tornadoes (continued)								
9. Encourage mobile home parks and other vulnerable communities to have a tornado preparedness plan.	New							
Severe Winter Storms								
1. Increase public awareness of severe winter storms.	Old							
2. Begin a public emergency plow telephone hotline for at-risk residents.	New							
3. Promote community shoveling programs to reduce the risk of heart attacks from excessive labor.	New							
Utility Failure								
1. Tree trimming in right of ways along utility lines.	New							
2. Begin a revolving loan program to help residents purchase backup generators.	New							
3. Consider burying utility lines outside of 100-Year flood plains in all new sub-divisions.	New							
4. Promote partnerships between utility companies to reduce the cost of higher-grade wires and burying lines.	New							
Hazardous Materials								
1. Develop a Wellhead Protection Plan.	New							
2. Organize an annual drill to prepare for a disaster involving hazardous materials for emergency service personnel.	New							
3. Report what hazardous materials are being handled on-site and amounts according to regulation.	New							
4. Complete a commodity flow study to identify types and volume of hazardous materials transported via river, pipeline, truck, rail, and plane.	New							
Terrorism								
1. Encourage critical infrastructure to implement protective measures at their facilities.	New							
2. Coordinate with emergency services to ensure the safety of large public gathering events.	New							
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.	New							
4. Provide free active shooter training, or promote free and low cost third-party active shooter training.	New							
5. Seal water wells.	New							



NEW MITIGATION ACTIONS SCORING MATRIX – CRAWFORD COUNTY

Hazard & Associated Mitigation Action	New or previous mitigation action	Applicable to your jurisdiction?	Cost-Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Terrorism (continued)								
6. Install temporary bollards or fences during high-occupancy outdoor events.	New							
Epidemic								
1. Create public education programs to prevent the spread of contagious diseases.	New							
2. Create a detailed public health plan to prepare for an epidemic.	New							
3. Create a public education program for vaccinations.	New							
Drought and Extreme Heat								
1. Provide education opportunities to farmers to reduce adverse effects of drought.	Old							
2. Cities and villages to adopt water conservation measures and standards.	Old							
3. Provide guidance and resources for vulnerable populations during extreme temperature events, such as transportation to cooling shelters.	New							
4. Provide guidance and resources on utility assistance programs.	New							
5. Encourage farmers to deepen wells where possible.	New							
6. Encourage farmers to connect watering systems to deep wells.	New							
7. Develop a plan to limit water usage during extreme and prolonged droughts.	New							
8. Install water saving equipment in public buildings.	New							
9. Retrofit water supply and storage systems.	New							
10. Utilize xeriscaping (installation of drought-resistant plants arranged to save water) on public property to reduce water consumption.	New							
Invasive Species								
1. Implement an invasive species education program that covers associated hazards, identification, behavior, and quarantine procedures.	New							
2. Share information with the public that explains the importance of not importing or exporting firewood.	New							
Dam Failure								
1. Coordinate with ODNR to implement Dam Safety Program.	New							
2. Work with dam owners to develop/update their dam safety plan.	New							
3. Work with dam owners to ensure they are prepared to respond should their dam fail.	New							
4. Model dam failure to identify at-risk areas.	New							



NEW MITIGATION ACTIONS SCORING MATRIX – CRAWFORD COUNTY

Hazard & Associated Mitigation Action	New or previous mitigation action	Applicable to your jurisdiction?	Cost-Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Dam Failure (continued)								
5. Work with local communities to create a dam failure response plan.	New							
Wildfire								
1. Promote public education on smoking hazards and recreational fire risks.	New							
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.	New							
3. Develop a wildfire response plan with all fire departments.	New							
Earthquakes								
1. Provide public awareness and safety procedures during and following an earthquake event.	Old							
2. Use community outreach activities to foster an awareness of earthquake mitigation activities in homes, schools, and businesses.	New							

Additional Mitigation Actions



NEW MITIGATION ACTIONS SCORING MATRIX – CRAWFORD COUNTY

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



1

Crawford County Hazard Mitigation Plan

Introductions

- Crawford County EMA
- BPS Project Team
 - Kimberly Burton, P.E., AICP CTP, LEED AP ND, Project Manager
 - Rich Roths, AICP, Hazard Mitigation Strategies
 - Anna van der Zwaag, Plan Preparation, Public Involvement
 - Brett Morris, LEED Green Associate, Plan Preparation, Hazus Modeling
 - Elvin Pinckney, Public Involvement
- Core Planning Committee Members



2

2

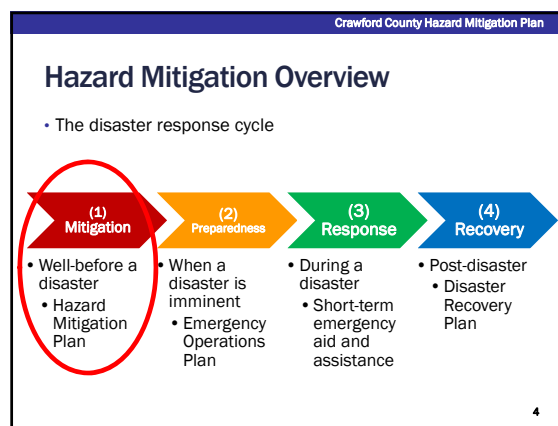
Crawford County Hazard Mitigation Plan

Introductions

- Why are we all here today?
 - Update the Crawford County Hazard Mitigation Plan
 - Progress update
 - Overview of the process & committee roles
 - Provide feedback on former and potential mitigation actions
 - What projects do you want to see implemented in your community to reduce the impact from disasters?

3

3



4

Crawford County Hazard Mitigation Plan

Hazard Mitigation Overview

- Robert T. Stafford Disaster Relief and Emergency Assistance Act, 1988
 - Presidential disaster declarations trigger federal assistance via FEMA.
- Disaster Mitigation Act, 2000 (DMA2K)
 - Legal basis for FEMA's state, local, and tribal mitigation planning requirements.
 - Jurisdictions must have an adopted plan to receive funds from FEMA in the event of a disaster.



5

5

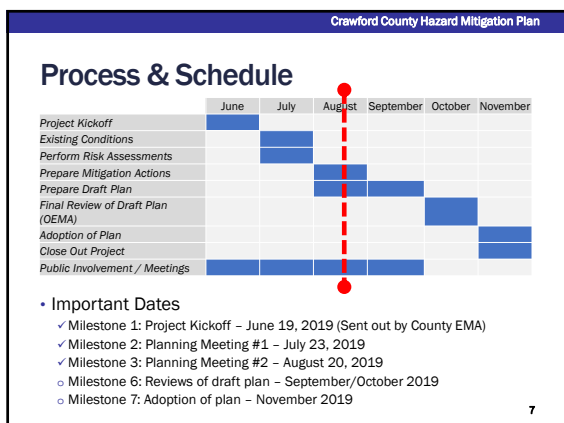
Crawford County Hazard Mitigation Plan

Process & Schedule

- Planning Process
 - ✓ Milestone 1: Project kickoff; Gather data for existing conditions/demographics
 - ✓ Milestone 2: Hold public meeting #1
 - ✓ Milestone 3: Perform risk assessments & vulnerability analyses; Develop mitigation actions
 - ✓ Milestone 4: Hold public meeting #2
 - Milestone 5: Prepare draft plan
 - Milestone 6: Conduct reviews of draft plan
 - Milestone 7: Adoption of plan
 - Milestone 8: Closeout project

6

6



7

8

Hazard Priorities

Hazard	Priority
Severe Storms	1
Flooding	2
Tornadoes	3
Severe Winter Storms	4
Utility Failure	5
Hazardous Materials	6
Terrorism	7
Epidemic	8
Drought and Extreme Heat	9
Invasive Species	10
Dam Failure	11
Wildfire	12
Earthquakes	13

8

Crawford County Hazard Mitigation Plan

Your Role

- Today
 - Updates on previous mitigation strategies (continued from previous meeting)
 - Feedback on proposed mitigation strategies
 - Provide local knowledge on recurring impacts from hazards

9

9

Crawford County Hazard Mitigation Plan

Data Collection & Research

- Completed GIS base mapping
- Gathering critical facilities information
- Gathered repetitive loss property information
- Summarized features and demographics of County and communities
- Gathered historical information on previous hazard events
- Identified past and potential hazards to evaluate in this plan update
- Drafted risk assessments

10

10

Crawford County Hazard Mitigation Plan

Mitigation Strategies

- Surveys
 - #1: New Mitigation Actions
 - Please determine whether a new mitigation action is appropriate for your jurisdiction
 - If a mitigation action is appropriate, please provide complete ratings
 - In the additional mitigation actions section, please list recurring issues and/or projects specific to local issues

11

11

Crawford County Hazard Mitigation Plan

Next Steps

- Provide feedback on the draft version of the plan.
- Adoption of final plan by November 2019.

12

12

Crawford County Hazard Mitigation Plan

QUESTIONS?

CRAWFORD COUNTY HAZARD MITIGATION PLAN

Public Meeting #2 | August 20, 2019

Contact Information:

Kirk Williamson / Crawford Co EMA	Handy Burson / BPS
Main: (419) 834-6009	Main: (419) 392-2284
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Source: Crawford County Now



1

Crawford County Hazard Mitigation Plan

Introductions

- Crawford County EMA
- BPS Project Team 
 - Kimberly Burton, P.E., AICP CTP, LEED AP ND, Project Manager
 - Rich Roths, AICP, Hazard Mitigation Strategies
 - Anna van der Zwaag, Plan Preparation, Public Involvement
 - Brett Morris, LEED Green Associate, Plan Preparation, Hazus Modeling
 - Elvin Pinckney, Public Involvement
- Core Planning Committee Members (You!)







2

2

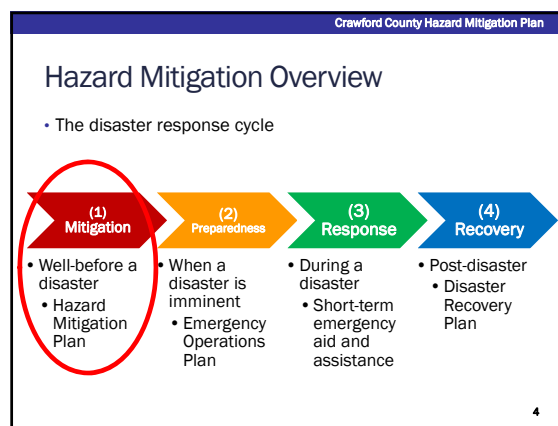
Crawford County Hazard Mitigation Plan

Introductions

- Why are we all here today?
 - Update the Crawford County Hazard Mitigation Plan
 - Progress update
 - Overview of the process & committee roles
 - Provide feedback on former and potential mitigation actions
 - What projects do you want to see implemented in your community to reduce the impact from disasters?

3

3



4

Crawford County Hazard Mitigation Plan

Hazard Mitigation Overview

- Robert T. Stafford Disaster Relief and Emergency Assistance Act, 1988
 - Presidential disaster declarations trigger federal assistance via FEMA.
- Disaster Mitigation Act, 2000 (DMA2K)
 - Legal basis for FEMA's state, local, and tribal mitigation planning requirements.
 - Jurisdictions must have an adopted plan to receive funds from FEMA in the event of a disaster.



5

5

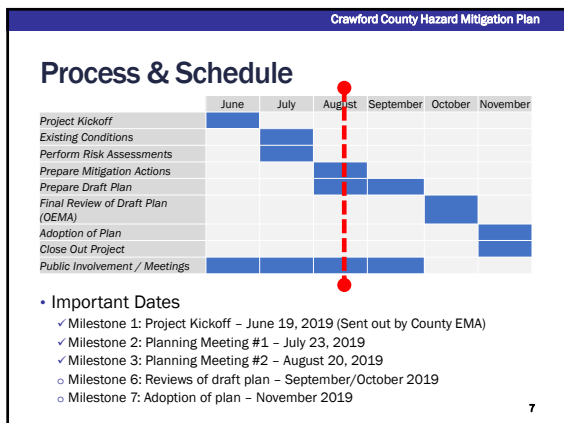
Crawford County Hazard Mitigation Plan

Process & Schedule

- Planning Process
 - ✓ Milestone 1: Project kickoff; Gather data for existing conditions/demographics
 - ✓ Milestone 2: Hold public meeting #1
 - ✓ Milestone 3: Perform risk assessments & vulnerability analyses; Develop mitigation actions
 - ✓ Milestone 4: Hold public meeting #2
 - Milestone 5: Prepare draft plan
 - Milestone 6: Conduct reviews of draft plan
 - Milestone 7: Adoption of plan
 - Milestone 8: Closeout project

6

6



7

8

Hazard Priorities

Hazard	Priority
Severe Storms	1
Flooding	2
Tornadoes	3
Severe Winter Storms	4
Utility Failure	5
Hazardous Materials	6
Terrorism	7
Epidemic	8
Drought and Extreme Heat	9
Invasive Species	10
Dam Failure	11
Wildfire	12
Earthquakes	13

8

Crawford County Hazard Mitigation Plan

Core Planning Committee Role

- Today
 - Updates on previous mitigation strategies (continued from previous meeting)
 - Feedback on proposed mitigation strategies
 - Provide local knowledge on recurring impacts from hazards

9

9

Crawford County Hazard Mitigation Plan

Data Collection & Research

- Completed GIS base mapping
- Gathering critical facilities information
- Gathered repetitive loss property information
- Summarized features and demographics of County and communities
- Gathered historical information on previous hazard events
- Identified past and potential hazards to evaluate in this plan update
- Drafted risk assessments

10

10

Crawford County Hazard Mitigation Plan

Mitigation Strategies

- Surveys
 - #1: New Mitigation Actions
 - Please determine whether a new mitigation action is appropriate for your jurisdiction
 - If a mitigation action is appropriate, please provide complete ratings
 - In the additional mitigation actions section, please list recurring issues and/or projects specific to local issues

11

11

Crawford County Hazard Mitigation Plan

Next Steps

- Provide feedback on the draft version of the plan.
- Adoption of final plan by November 2019.

12

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Crawford County Hazard Mitigation Plan

QUESTIONS?

CRAWFORD COUNTY HAZARD MITIGATION PLAN

Core Planning Committee Meeting #2 | August 20, 2019

Contact Information:

Kirk Williamson / Crawford Co EMA	Handy Burson / BPS
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ccema@crawford-co.org	kburton@burtonplanning.com

Source: Crawford County Now

Appendix F: Meeting Documentation

City of Bucyrus Surveys

#10

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Monday, August 19, 2019 4:30:11 PM
Last Modified: Monday, August 19, 2019 4:37:00 PM
Time Spent: 00:06:48
IP Address: 74.143.116.98

Page 1: Survey Instructions

Q1 Name and Organization

Name	Jeffrey Wagner
Organization/Agency	City of Bucyrus
Title/Position	SSD
Email Address	ssd@cityofbucyrusoh.us

Page 2: Goals Survey

Q2 Preventative: To reduce risk and loss of life by implementing activities to give Crawford County citizens as much advance warning as possible of impending natural hazards.	Keep goal as written with no modifications
---	--

Q3 Preventative: Coordinate existing plans and strategies already in place to put them to more effective use.	Keep goal as written with no modifications
--	--

Q4 Preventative: Strengthen communication between various communities and agencies throughout the County to make them aware of good, sound mitigation activities and practices.	Keep goal as written with no modifications
--	--

Q5 Preventative: Continue to coordinate policies and plans for the protection of critical facilities, services, and infrastructure.	Keep goal as written with no modifications
--	--

Q6 Property Protection: To develop practices and implement activities to protect lives and reduce damages to homes, businesses, industries, and agricultural areas of Crawford County.	Keep goal as written with no modifications
---	--

Crawford County Hazard Mitigation Plan: Goals and Hazard Priority Survey

Q7 Emergency Services: Continue to support and coordinate emergency services efforts throughout the County and continue to strengthen emergency operation plans at the various Crawford County communities.

Keep goal as written with no modifications

Q8 Structural Projects: Continued maintenance of existing river, stream, and retention dikes and levees.

Keep goal as written with no modifications

Q9 Natural Resource Protection: Continue to rehabilitate, protect, and enhance the natural systems already in place in order to preserve the rich, historical, and agricultural environment found in Crawford County.

Keep goal as written with no modifications

Q10 Public Information: Continue to promote public awareness of the risks associated with natural hazard events.

Keep goal as written with no modifications

Q11 If there is a new goal that should be included, please type that goal below

Respondent skipped this question

Q12 Please provide any additional comments related to these goals in the space below.

Respondent skipped this question

Page 3: Hazard Priorities

Q13 Hazards included in 2014 Plan

Dam Failure	Medium-High Priority
Drought and Extreme Heat	Low-Medium Priority
Earthquakes	Lowest Priority
Epidemic	Low-Medium Priority
Flooding	Medium Priority
Severe Summer Storms	Medium Priority
Severe Winter Storms	Medium Priority
Tornadoes	Medium Priority

Crawford County Hazard Mitigation Plan: Goals and Hazard Priority Survey

Q14 Possible Additional Hazards

Landslides	Lowest Priority
Hazardous Materials	Medium-High Priority
Invasive Species	Low-Medium Priority
Utility Failure	Medium-High Priority
Wildfire	Lowest Priority
Terrorism	Medium-High Priority
Hurricanes/Tropical Storms	Lowest Priority
Mine Subsidence (ground movement due to underground mines)	Lowest Priority

Q15 Please provide any additional comments about these hazards.

Respondent skipped this question

Page 4: Survey Complete!

Q16 General Comments

Respondent skipped this question

#13

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Thursday, August 29, 2019 10:22:28 AM
Last Modified: Thursday, August 29, 2019 10:56:38 AM
Time Spent: 00:34:10
IP Address: 70.61.254.2

Page 1: Survey Instructions

Q1 Contact Information

Name	Jay Keller
Organization/Agency	Bucyrus Fire Department
Title/Position	Fire Chief
Email Address	bfd@cityofbucyrusoh.us

Q2 For which community are you responding?	City of Bucyrus
---	-----------------

Page 2: Crawford County

Q3 Previous Mitigation Action 1: Status (Hazard: Multiple Hazards)Action: Increase communication, coordination and collaboration among community leaders, property owners, local building regulations and zoning authorities to address risk and provide uniformity and consistency in implementing sound mitigation practices.	Respondent skipped this question
--	----------------------------------

Q4 Previous Mitigation Action 1: RatingsAction: Increase communication, coordination and collaboration among community leaders, property owners, local building regulations and zoning authorities to address risk and provide uniformity and consistency in implementing sound mitigation practices.Do you think this mitigation action should be included in the next hazard mitigation plan? If so, please rate the action based on the following categories:	Respondent skipped this question
---	----------------------------------

Q5 Previous Mitigation Action 2: Status (Hazard: Multiple Hazards)Action: Develop a large gathering shelter plan for festivals and other events.	Respondent skipped this question
---	----------------------------------

Crawford County Hazard Mitigation Plan: Previous Mitigation Actions Status and Ratings Matrix

Q40 Previous Mitigation Action 19: RatingsAction: Cities and villages to adopt water conservation measures and standards.Do you think this mitigation action should be included in the next hazard mitigation plan? If so, please rate the action based on the following categories:

Respondent skipped this question

Q41 Previous Mitigation Action 20: Status (Hazard: Earthquake)Action: Provide public awareness and safety procedures during and following an earthquake event.

Respondent skipped this question

Q42 Previous Mitigation Action 20: RatingsAction: Provide public awareness and safety procedures during and following an earthquake event.Do you think this mitigation action should be included in the next hazard mitigation plan? If so, please rate the action based on the following categories:

Respondent skipped this question

Page 3: City of Bucyrus

Q43 Previous Mitigation Action 1: Status (Hazard: Multiple Hazards)Action: Increase communication, coordination and collaboration among community leaders, property owners, local building regulations and zoning authorities to address risk and provide uniformity and consistency in implementing sound mitigation practices.

Ongoing (List percent completed or describe progress made below)

,
(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:

75 %

Q44 Previous Mitigation Action 1: RatingsAction: Increase communication, coordination and collaboration among community leaders, property owners, local building regulations and zoning authorities to address risk and provide uniformity and consistency in implementing sound mitigation practices.Do you think this mitigation action should be included in the next hazard mitigation plan? If so, please rate the action based on the following categories:

Cost Effective

4

Technically Feasible

5 (highest possible score, most cost effective)

Environmentally Sound

4

Immediate Need

5 (highest possible score, most cost effective)

Total Risk Reduction

5 (highest possible score, most cost effective)

Crawford County Hazard Mitigation Plan: Previous Mitigation Actions Status and Ratings Matrix

Q45 Previous Mitigation Action 2: Status (Hazard: Multiple Hazards)Action: Develop a large gathering shelter plan for festivals and other events.

Ongoing (List percent completed or describe progress made below)

,
(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
10%

Q46 Previous Mitigation Action 2: RatingsAction: Develop a large gathering shelter plan for festivals and other events.Do you think this mitigation action should be included in the next hazard mitigation plan? If so, please rate the action based on the following categories:

Cost Effective	4
Technically Feasible	5 (highest possible score, most cost effective)
Environmentally Sound	3
Immediate Need	5 (highest possible score, most cost effective)
Total Risk Reduction	4

Q47 Previous Mitigation Action 3: Status (Hazard: Multiple Hazards)Action: Implement recommendations of feasibility study for upgrading countywide safety service communications.

Ongoing (List percent completed or describe progress made below)

,
(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
80 %

Q48 Previous Mitigation Action 3: RatingsAction: Implement recommendations of feasibility study for upgrading countywide safety service communications.Do you think this mitigation action should be included in the next hazard mitigation plan? If so, please rate the action based on the following categories:

Cost Effective	3
Technically Feasible	5 (highest possible score, most cost effective)
Environmentally Sound	5 (highest possible score, most cost effective)
Immediate Need	5 (highest possible score, most cost effective)
Total Risk Reduction	5 (highest possible score, most cost effective)

Crawford County Hazard Mitigation Plan: Previous Mitigation Actions Status and Ratings Matrix

Q49 Previous Mitigation Action 4: Status (Hazard: Multiple Hazards)Action: Identify and pursue funding options and opportunities to develop and implement local and county natural hazard mitigation activities.

Ongoing (List percent completed or describe progress made below)

,
(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
50 %

Q50 Previous Mitigation Action 4: RatingsAction: Identify and pursue funding options and opportunities to develop and implement local and county natural hazard mitigation activities.Do you think this mitigation action should be included in the next hazard mitigation plan? If so, please rate the action based on the following categories:

Cost Effective	5 (highest possible score, most cost effective)
Technically Feasible	4
Environmentally Sound	4
Immediate Need	4
Total Risk Reduction	4

Q51 Previous Mitigation Action 5: Status (Hazard: Multiple Hazards)Action: Continuance of a First Responders supply depot.

Deleted (Indicate why below)

,
(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
outdated or not
available

Q52 Previous Mitigation Action 5: RatingsAction: Continuance of a First Responders supply depot.Do you think this mitigation action should be included in the next hazard mitigation plan? If so, please rate the action based on the following categories:

Cost Effective	2
Technically Feasible	3
Environmentally Sound	4
Immediate Need	3
Total Risk Reduction	3

Crawford County Hazard Mitigation Plan: Previous Mitigation Actions Status and Ratings Matrix

Q53 Previous Mitigation Action 6: Status (Hazard: Multiple Hazards)Action: Encourage underground utility placement and tree maintenance programs in public right of ways.

Ongoing (List percent completed or describe progress made below)

,
(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
up to utility companies and administration of city

Q54 Previous Mitigation Action 6: RatingsAction: Encourage underground utility placement and tree maintenance programs in public right of ways.Do you think this mitigation action should be included in the next hazard mitigation plan? If so, please rate the action based on the following categories:

Cost Effective	N/A
Technically Feasible	N/A
Environmentally Sound	N/A
Immediate Need	N/A
Total Risk Reduction	N/A

Q55 Previous Mitigation Action 7: Status (Hazard: Tornadoes)Action: Convert old fire sirens into tornado sirens.

Completed (Indicate when , below)

(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
100%

Q56 Previous Mitigation Action 7: RatingsAction: Convert old fire sirens into tornado sirens.Do you think this mitigation action should be included in the next hazard mitigation plan? If so, please rate the action based on the following categories:

Cost Effective	5 (highest possible score, most cost effective)
Technically Feasible	5 (highest possible score, most cost effective)
Environmentally Sound	3
Immediate Need	5 (highest possible score, most cost effective)
Total Risk Reduction	5 (highest possible score, most cost effective)

Crawford County Hazard Mitigation Plan: Previous Mitigation Actions Status and Ratings Matrix

Q57 Previous Mitigation Action 8: Status (Hazard: Tornadoes)Action: Continue yearly tornado drills at all schools.

Ongoing (List percent completed or describe progress made below)

,
(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
100

Q58 Previous Mitigation Action 8: RatingsAction: Continue yearly tornado drills at all schools.Do you think this mitigation action should be included in the next hazard mitigation plan? If so, please rate the action based on the following categories:

Cost Effective	5 (highest possible score, most cost effective)
Technically Feasible	5 (highest possible score, most cost effective)
Environmentally Sound	5 (highest possible score, most cost effective)
Immediate Need	5 (highest possible score, most cost effective)
Total Risk Reduction	5 (highest possible score, most cost effective)

Q59 Previous Mitigation Action 9: Status (Hazard: Tornadoes)Action: Provide weather radios to homes that are in sparsely populated areas.

Deferred (Indicate why below)

,
(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
EMA

Q60 Previous Mitigation Action 9: RatingsAction: Provide weather radios to homes that are in sparsely populated areas.Do you think this mitigation action should be included in the next hazard mitigation plan? If so, please rate the action based on the following categories:

Cost Effective	4
Technically Feasible	4
Environmentally Sound	N/A
Immediate Need	5 (highest possible score, most cost effective)
Total Risk Reduction	5 (highest possible score, most cost effective)

Crawford County Hazard Mitigation Plan: Previous Mitigation Actions Status and Ratings Matrix

Q61 Previous Mitigation Action 10: Status (Hazard: Tornadoes)Action: Participate in the Ohio Safe Room Rebate Program.

Unchanged (Indicate why below)

(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
unknown about this program

Q62 Previous Mitigation Action 10: RatingsAction: Participate in the Ohio Safe Room Rebate Program.Do you think this mitigation action should be included in the next hazard mitigation plan? If so, please rate the action based on the following categories:

Cost Effective	N/A
Technically Feasible	N/A
Environmentally Sound	N/A
Immediate Need	4
Total Risk Reduction	N/A

Q63 Previous Mitigation Action 11: Status (Hazard: Tornadoes)Action: Establish NOAA Weather Radio program for festivals, fairgrounds, campgrounds, parks, and recreation areas.

Ongoing (List percent completed or describe progress made below)

,
(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
55

Q64 Previous Mitigation Action 11: RatingsAction: Establish NOAA Weather Radio program for festivals, fairgrounds, campgrounds, parks, and recreation areas.Do you think this mitigation action should be included in the next hazard mitigation plan? If so, please rate the action based on the following categories:

Cost Effective	3
Technically Feasible	4
Environmentally Sound	N/A
Immediate Need	5 (highest possible score, most cost effective)
Total Risk Reduction	3

Crawford County Hazard Mitigation Plan: Previous Mitigation Actions Status and Ratings Matrix

Q65 Previous Mitigation Action 12: Status (Hazard: Tornadoes)Action: Safe room for mobile home parks.

Deferred (Indicate why below)

(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
have not been requiring

Q66 Previous Mitigation Action 12: RatingsAction: Safe room for mobile home parks.Do you think this mitigation action should be included in the next hazard mitigation plan? If so, please rate the action based on the following categories:

Cost Effective	2
Technically Feasible	3
Environmentally Sound	3
Immediate Need	5 (highest possible score, most cost effective)
Total Risk Reduction	4

Q67 Previous Mitigation Action 13: Status (Hazard: Flooding)Action: Encourage development of strategies to preserve scenic waterways and open space in and around floodplains.

Ongoing (List percent completed or describe progress made below)

,
(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
30

Q68 Previous Mitigation Action 13: RatingsAction: Encourage development of strategies to preserve scenic waterways and open space in and around floodplains.Do you think this mitigation action should be included in the next hazard mitigation plan? If so, please rate the action based on the following categories:

Cost Effective	2
Technically Feasible	2
Environmentally Sound	4
Immediate Need	4
Total Risk Reduction	4

Crawford County Hazard Mitigation Plan: Previous Mitigation Actions Status and Ratings Matrix

Q69 Previous Mitigation Action 14: Status (Hazard: Flooding)Action: Pursue mitigation activities and funding for designated flood prone areas.

Ongoing (List percent completed or describe progress made below)

,
(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:

40

Q70 Previous Mitigation Action 14: RatingsAction: Pursue mitigation activities and funding for designated flood prone areas.Do you think this mitigation action should be included in the next hazard mitigation plan? If so, please rate the action based on the following categories:

Cost Effective	2
Technically Feasible	2
Environmentally Sound	3
Immediate Need	3
Total Risk Reduction	3

Q71 Previous Mitigation Action 15: Status (Hazard: Flooding)Action: Analyze and establish mitigation measures to protect wastewater treatment plant.

Ongoing (List percent completed or describe progress made below)

Q72 Previous Mitigation Action 15: RatingsAction: Analyze and establish mitigation measures to protect wastewater treatment plant.Do you think this mitigation action should be included in the next hazard mitigation plan? If so, please rate the action based on the following categories:

Cost Effective	2
Technically Feasible	3
Environmentally Sound	4
Immediate Need	3
Total Risk Reduction	3

Q73 Previous Mitigation Action 16: Status (Hazard: Flooding)Action: Pursue funding for mitigation actions of floodplain properties and residences along waterways through Bucyrus and Galion

Ongoing (List percent completed or describe progress made below)

Crawford County Hazard Mitigation Plan: Previous Mitigation Actions Status and Ratings Matrix

Q74 Previous Mitigation Action 16: RatingsAction: Pursue funding for mitigation actions of floodplain properties and residences along waterways through Bucyrus and GalionDo you think this mitigation action should be included in the next hazard mitigation plan? If so, please rate the action based on the following categories:

Cost Effective	2
Technically Feasible	2
Environmentally Sound	3
Immediate Need	4
Total Risk Reduction	3

Q75 Previous Mitigation Action 17: Status (Hazard: Flooding)Action: Assess and map problem drainage areas.

Ongoing (List percent completed or describe progress made below)

,
(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:

45

Q76 Previous Mitigation Action 17: RatingsAction: Assess and map problem drainage areas.Do you think this mitigation action should be included in the next hazard mitigation plan? If so, please rate the action based on the following categories:

Cost Effective	3
Technically Feasible	4
Environmentally Sound	3
Immediate Need	3
Total Risk Reduction	3

Q77 Previous Mitigation Action 18: Status (Hazard: Flooding)Action: Complete EPA storm/sanitary separation system.

Ongoing (List percent completed or describe progress made below)

,
(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:

not sure what the extent but city has been working on this for quite a while

Crawford County Hazard Mitigation Plan: Previous Mitigation Actions Status and Ratings Matrix

Q78 Previous Mitigation Action 18: RatingsAction: Complete EPA storm/sanitary separation system.Do you think this mitigation action should be included in the next hazard mitigation plan? If so, please rate the action based on the following categories:

Cost Effective	2
Technically Feasible	4
Environmentally Sound	5 (highest possible score, most cost effective)
Immediate Need	4
Total Risk Reduction	4

Q79 Previous Mitigation Action 19: Status (Hazard: Flooding)Action: Investigate and record repetitive flooding areas in cities and villages.

Ongoing (List percent completed or describe progress made below)

,
(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
90

Q80 Previous Mitigation Action 19: RatingsAction: Investigate and record repetitive flooding areas in cities and villages.Do you think this mitigation action should be included in the next hazard mitigation plan? If so, please rate the action based on the following categories:

Cost Effective	4
Technically Feasible	5 (highest possible score, most cost effective)
Environmentally Sound	N/A
Immediate Need	3
Total Risk Reduction	3

Q81 Previous Mitigation Action 20: Status (Hazard: Winter Storms)Action: Increase public awareness of severe winter storms.

Ongoing (List percent completed or describe progress made below)

,
(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
75

Crawford County Hazard Mitigation Plan: Previous Mitigation Actions Status and Ratings Matrix

Q82 Previous Mitigation Action 20: RatingsAction: Increase public awareness of severe winter storms.Do you think this mitigation action should be included in the next hazard mitigation plan? If so, please rate the action based on the following categories:

Cost Effective	2
Technically Feasible	4
Environmentally Sound	N/A
Immediate Need	5 (highest possible score, most cost effective)
Total Risk Reduction	N/A

Q83 Previous Mitigation Action 21: Status
(Hazard: Drought)Action: Ensure municipalities have enough water supplies.

Ongoing (List percent completed or describe progress made below)

,
(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
90, new and improved water treatment plant

Q84 Previous Mitigation Action 21: RatingsAction: Ensure municipalities have enough water supplies.Do you think this mitigation action should be included in the next hazard mitigation plan? If so, please rate the action based on the following categories:

Cost Effective	1 (lowest possible score, most expensive)
Technically Feasible	4
Environmentally Sound	2
Immediate Need	2
Total Risk Reduction	2

Q85 Previous Mitigation Action 22: Status
(Hazard: Drought)Action: Provide education opportunities to farmers to reduce adverse effects of drought.

Ongoing (List percent completed or describe progress made below)

,
(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
EMA

Crawford County Hazard Mitigation Plan: Previous Mitigation Actions Status and Ratings Matrix

Q86 Previous Mitigation Action 22: RatingsAction: Provide education opportunities to farmers to reduce adverse effects of drought.Do you think this mitigation action should be included in the next hazard mitigation plan? If so, please rate the action based on the following categories:

Cost Effective	N/A
Technically Feasible	N/A
Environmentally Sound	N/A
Immediate Need	N/A
Total Risk Reduction	N/A

Q87 Previous Mitigation Action 23: Status
(Hazard: Drought)Action: Cities and villages to adopt water conservation measures and standards.

Ongoing (List percent completed or describe progress made below)

,
(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
75

Q88 Previous Mitigation Action 23: RatingsAction: Cities and villages to adopt water conservation measures and standards.Do you think this mitigation action should be included in the next hazard mitigation plan? If so, please rate the action based on the following categories:

Cost Effective	3
Technically Feasible	4
Environmentally Sound	5 (highest possible score, most cost effective)
Immediate Need	4
Total Risk Reduction	4

Q89 Previous Mitigation Action 24: Status
(Hazard: Earthquake)Action: Provide public awareness and safety procedures during and following an earthquake event.

Unchanged (Indicate why below)

(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
unsure of this

Crawford County Hazard Mitigation Plan: Previous Mitigation Actions Status and Ratings Matrix

Q90 Previous Mitigation Action 24: RatingsAction: Provide public awareness and safety procedures during and following an earthquake event.Do you think this mitigation action should be included in the next hazard mitigation plan? If so, please rate the action based on the following categories:

Cost Effective	N/A
Technically Feasible	3
Environmentally Sound	N/A
Immediate Need	4
Total Risk Reduction	2

Page 4: City of Galion

Q91 Previous Mitigation Action 1: Status (Hazard: Multiple Hazards)Action: Increase communication, coordination and collaboration among community leaders, property owners, local building regulations and zoning authorities to address risk and provide uniformity and consistency in implementing sound mitigation practices.

Respondent skipped this question

Q92 Previous Mitigation Action 1: RatingsAction: Increase communication, coordination and collaboration among community leaders, property owners, local building regulations and zoning authorities to address risk and provide uniformity and consistency in implementing sound mitigation practices.Do you think this mitigation action should be included in the next hazard mitigation plan? If so, please rate the action based on the following categories:

Respondent skipped this question

Q93 Previous Mitigation Action 2: Status (Hazard: Multiple Hazards)Action: Develop a large gathering shelter plan for festivals and other events.

Respondent skipped this question

Q94 Previous Mitigation Action 2: RatingsAction: Develop a large gathering shelter plan for festivals and other events.Do you think this mitigation action should be included in the next hazard mitigation plan? If so, please rate the action based on the following categories:

Respondent skipped this question

Q95 Previous Mitigation Action 3: Status (Hazard: Multiple Hazards)Action: Implement recommendations of feasibility study for upgrading countywide safety service communications.

Respondent skipped this question

Crawford County Hazard Mitigation Plan: Previous Mitigation Actions Status and Ratings Matrix

Q291 Previous Mitigation Action 1: Status (Hazard: Flooding)Action: Identify surface water/county tile drainage obstructions for unincorporated areas.

Respondent skipped this question

Q292 Previous Mitigation Action 1: RatingsAction: Identify surface water/county tile drainage obstructions for unincorporated areas.Do you think this mitigation action should be included in the next hazard mitigation plan? If so, please rate the action based on the following categories:

Respondent skipped this question

Q293 Previous Mitigation Action 2: Status (Hazard: Flooding)Action: Evaluate township roads for frequent flood areas in each township.

Respondent skipped this question

Q294 Previous Mitigation Action 2: RatingsAction: Evaluate township roads for frequent flood areas in each township.Do you think this mitigation action should be included in the next hazard mitigation plan? If so, please rate the action based on the following categories:

Respondent skipped this question

Page 26: New Mitigation Action Suggestions

Q295 List your recommended mitigation activities below:

Respondent skipped this question



CRAWFORD COUNTY HAZARD MITIGATION PLAN
NEW MITIGATION ACTIONS SCORING MATRIX – CITY OF BUCYRUS

NAME:

JURISDICTION:

Hazard & Associated Mitigation Action	New or previous mitigation action	Applicable to your jurisdiction?	Cost-Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
All Hazards								
1. Increase communication, coordination and collaboration among community leaders, property owners, local building regulations, and zoning authorities to address risk and provide uniformity and consistency in implementing sound mitigation practices.	Old	yes	5	5	5	5	5	Building code Zoning
2. Develop a large gathering shelter plan for festivals and other events.	Old	yes	5	5	5	5	5	not done
3. Implement recommendations of feasibility study for upgrading countywide safety service communications.	Old	yes	5	5	5	5	5	needs improved
4. Identify and pursue funding options and opportunities to develop and implement local and county natural hazard mitigation activities.	Old	yes	5	5	5	5	5	need grant writer
5. Encourage underground utility placement and tree maintenance programs in public right of ways.	Old	yes	2	2	3	2	4	
6. Develop/update back-up power generation capabilities at critical government facilities (e.g. temporary storm safe locations, community EOCs).	New	yes	1	3	2	2	3	50 year old
7. Develop/update Continuity of Operations Plans.	New	yes	5	5	5	5	5	teamwork
8. Provide public education and outreach on disaster preparedness including websites, newsletters, social media, Preparedness Month events, etc.	New	yes	5	5	5	5	5	ongoing
9. Develop or update Emergency Operation Plans.	New	yes	5	5	5	5	5	annual
10. Maintain an all-hazard outdoor warning siren system, including repairing, replacing, and upgrading.	New	yes	3	3	4	5	5	ongoing
11. Conduct fire code, building code, zoning, and floodplain management enforcement activities.	New	yes	5	5	5	5	5	repeated flooding
12. Prepare public buildings to act as shelters in case of any hazard.	New	yes	2	4	5	5	5	needed hotel
13. Develop a partnership to have places of worship serve as additional shelters.	New	yes	5	5	5	5	5	
Severe Storms								
1. Inform residents of the various ways to receive weather alerts.	New	yes	5	5	5	5	5	recent storms
2. Create a Standard Operating Guideline for the timely clearing of roads from debris caused by severe storms.	New	yes	5	5	5	2	5	
3. Install a lightning warning system.	New	yes	4	5	5	3	5	
4. Install lightning rods on public buildings.	New	yes	4	4	4	3	5	



NEW MITIGATION ACTIONS SCORING MATRIX – CITY OF BUCYRUS

Hazard & Associated Mitigation Action	New or previous mitigation action	Applicable to your jurisdiction?	Cost-Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Flooding								
1. Analyze and establish mitigation measures to protect waste water treatment plants.	Old	yes	5	5	5	3	5	MUST
2. Pursue funding for mitigation actions of floodplain properties and residences along waterways through Bucyrus and Gallon.	Old	yes	5	5	5	2	5	last flood cleared most
3. Complete EPA storm/drainage separation system.	Old	yes	1	2	4	4	5	basement flooding
4. Assess and map problem drainage areas.	Old	yes	5	5	5	4	5	
5. Encourage development of strategies to preserve scenic waterways and open space in and around floodplains.	Old	yes	3	5	5	5	5	Reservoir Dam
6. Pursue mitigation activities and funding for designated flood prone areas.	Old	yes	5	5	5	5	5	Reservoir Dam
7. Investigate and record repetitive loss areas in cities and villages.	Old	yes	1	1	1	1	1	
8. Improve the stormwater management system.	New	yes	5	5	5	5	5	Park Flooding
9. Identify and study poor draining areas to control flooding.	New	yes	5	5	5	5	5	Park Flooding
10. Repair or replace ditches, culverts, and bridges to control flooding.	New	yes	5	5	5	5	5	Parkland Flooding
11. Identify and study riverbank stabilization opportunities.	New	yes	5	5	5	5	5	Parkland Flooding
12. Provide mitigation option guidance to property owners of Repetitive Loss and Severe Repetitive Loss Structures, such as acquisition, relocation, elevation, non-residential dry flood proofing, and non-residential wet flood proofing.	New	yes	2	3	5	5	5	basement flooding
13. Encourage residents in flood prone areas to purchase flood insurance.	New	No						
14. Modify building codes to encourage water proofing structures.	New	No						
15. Adopt policies to reduce stormwater runoff.	New	yes	5	5	5	5	5	increasing need
16. Participate in the Community Rating System (awards communities who exceed NFIP requirements).	New	yes	5	5	5	5	5	
Tornadoes								
1. Convert old fire stations into tornado sirens.	Old	yes	2	2	3	2	5	Township Stations
2. Continue yearly tornado drills at all schools.	Old	yes	5	5	5	5	5	
3. Provide weather radios to homes that are in sparsely populated areas.	Old	No	1	2	2	1	2	
4. Participate in and promote the Ohio Safe Room Rebate Program for safe room installation by homeowners.	Old	yes	3	1	2	1	5	
5. Establish NOAA Weather Radio program for festivals, fairgrounds, campgrounds, parks, and recreation.	Old	yes	5	5	5	5	5	



NEW MITIGATION ACTIONS SCORING MATRIX – CITY OF BUCYRUS

Hazard & Associated Mitigation Action	New or previous mitigation action	Applicable to your jurisdiction?	Cost-Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Tornadoes (continued)								
6. Promote commercial safe rooms for high occupancy uses, such as bars and restaurants.	New	No						
7. Identify tornado safe locations for residents to seek shelter during tornadoes/high wind events.	New	yes	2	1	5	1	5	
8. Promote wind and tornado resistant construction practices.	New	No						
9. Encourage mobile home parks and other vulnerable communities to have a tornado preparedness plan.	New	yes	1	2	3	2	1	
Severe Winter Storms								
1. Increase public awareness of severe winter storms.	Old	yes	5	5	5	5	5	
2. Begin a public emergency plow telephone hotline for at-risk residents.	New	yes	5	5	5	5	5	Aging Population.
3. Promote community shoveling programs to reduce the risk of heart attacks from excessive labor.	New	yes	5	5	5	5	5	Aging Population
Utility Failure								
1. Tree trimming in right of ways along utility lines.	New	No						
2. Begin a revolving loan program to help residents purchase backup generators.	New	No						
3. Consider burying utility lines outside of 100-Year flood plains in all new sub-divisions.	New	No						
4. Promote partnerships between utility companies to reduce the cost of higher-grade wires and burying lines.	New	No						
Hazardous Materials								
1. Develop a Wellhead Protection Plan.	New	No						
2. Organize an annual drill to prepare for a disaster involving hazardous materials for emergency service personnel.	New	yes	2	5	2	2	3	Personnel Needed
3. Report what hazardous materials are being handled on-site and amounts according to regulation.	New	No						
4. Complete a commodity flow study to identify types and volume of hazardous materials transported via river, pipeline, truck, rail, and plane.	New	yes	5	5	5	5	5	Oil trains
Terrorism								
1. Encourage critical infrastructure to implement protective measures at their facilities.	New	yes	5	5	5	5	5	More Public Safety
2. Coordinate with emergency services to ensure the safety of large public gathering events.	New	yes	5	5	5	5	5	Personnel
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.	New	yes	5	5	5	5	5	Need School Resource officers



NEW MITIGATION ACTIONS SCORING MATRIX – CITY OF BUCYRUS

Hazard & Associated Mitigation Action	New or previous mitigation action	Applicable to your jurisdiction?	Cost-Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Terrorism (continued)								
4. Provide free active shooter training, or promote free and low cost third-party active shooter training.	New	yes	1	1	2	5	5	Personnel Needed
5. Seal water wells.	New	No						
6. Install temporary bollards or fences during high-occupancy outdoor events.	New	yes	5	5	5	5	5	Equipment Borrowed
Epidemic								
1. Create public education programs to prevent the spread of contagious diseases.	New	yes	5	5	5	5	5	
2. Create a detailed public health plan to prepare for an epidemic.	New	yes	5	5	5	5	5	Opiate epidemic
3. Create a public education program for vaccinations.	New	yes	5	5	5	5	5	HIV HEP
Drought and Extreme Heat								
1. Ensure municipalities have enough water supplies.	Old	yes	2	5	5	5	5	
2. Provide education opportunities to farmers to reduce adverse effects of drought.	Old	No						
3. Cities and villages to adopt water conservation measures and standards.	Old	No						
4. Provide guidance and resources for vulnerable populations during extreme temperature events, such as transportation to cooling shelters.	New	yes	5	5	5	5	5	Homeless Populat.
5. Provide guidance and resources on utility assistance programs.	New	yes	5	5	5	5	5	underused
6. Encourage farmers to deepen wells where possible.	New	No						
7. Encourage farmers to connect watering systems to deep wells.	New	No						
8. Develop a plan to limit water usage during extreme and prolonged droughts.	New	No						
9. Install water saving equipment in public buildings.	New	yes	1	1	5	1	1	
10. Retrofit water supply and storage systems.	New	No						
11. Utilize xeriscaping (installation of drought-resistant plants arranged to save water) on public property to reduce water consumption.	New	No						
Invasive Species								
1. Implement an invasive species education program that covers associated hazards, identification, behavior, and quarantine procedures.	New	No						
2. Share information with the public that explains the importance of not importing or exporting firewood.	New	No						



NEW MITIGATION ACTIONS SCORING MATRIX – CITY OF BUCYRUS

Hazard & Associated Mitigation Action	New or previous mitigation action	Applicable to your jurisdiction?	Cost-Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Dam Failure								
1. Coordinate with ODNR to implement Dam Safety Program.	New	yes	2	3	5	5	5	We have immediate need
2. Work with dam owners to develop/update their dam safety plan.	New	yes	2	2	5	5	5	we need help
3. Work with dam owners to ensure they are prepared to respond should their dam fail.	New	yes	1	3	5	5	5	we need help with dam
4. Model dam failure to identify at-risk areas.	New	yes	2	4	5	5	5	we need help
5. Work with local communities to create a dam failure response plan.	New	yes	2	4	5	5	5	
Wildfire								
1. Promote public education on smoking hazards and recreational fire risks.	New	yes	5	5	5	5	5	open trash burning
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.	New	No						
3. Develop a wildfire response plan with all fire departments.	New	No						
Earthquakes								
1. Provide public awareness and safety procedures during and following an earthquake event.	Old	yes	1	2	3	2	2	
2. Use community outreach activities to foster an awareness of earthquake mitigation activities in homes, schools, and businesses.	New	yes	2	1	5	1	2	



NEW MITIGATION ACTIONS SCORING MATRIX – CITY OF BUCYRUS

Additional Mitigation Actions

Mitigation Action	Hazard	Cost-Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Reservoir Dam - Spillway - Pines Reservoir	Dam Failure	5	5	5	5	5	Current Needs with age of dam
Reservoir Trees - Pines Reservoir	Trees falling	5	5	5	5	5	Health of Patrons at risk
Flood Control - Harmon Park	Health risk of Patrons	5	5	5	5	5	4/55 W. Mansfield St
Flood Control - Aumiller Park	Health risk of Patrons	5	5	5	5	5	Flood Plain
Active Aggressor Threat Training and preparedness	Threat to Patrons EOP	5	5	5	5	5	Personnel Needed and not available to train
Schools and Business Threat Training and EOP's	Active Shooter Attack	5	5	5	5	5	Schools and Businesses w/out on site training and protection



NEW MITIGATION ACTIONS SCORING MATRIX – CITY OF BUCYRUS

NAME:

JURISDICTION:

Hazard & Associated Mitigation Action	New or previous mitigation action	Applicable to your jurisdiction?	Cost-Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
All Hazards								
1. Increase communication, coordination and collaboration among community leaders, property owners, local building regulations, and zoning authorities to address risk and provide uniformity and consistency in implementing sound mitigation practices.	Old	4	3	3	3	3	3	
2. Develop a large gathering shelter plan for festivals and other events.	Old	2						
3. Implement recommendations of feasibility study for upgrading countywide safety service communications.	Old	4	3	3	3	3	3	
4. Identify and pursue funding options and opportunities to develop and implement local and county natural hazard mitigation activities.	Old	4	4	4	4	4	4	
5. Encourage underground utility placement and tree maintenance programs in public right of ways.	Old	4	3	3	4	3	3	
6. Develop/update back-up power generation capabilities at critical government facilities (e.g. temporary storm safe locations, community EOCs).	New	4	2	2	3	2	3	
7. Develop/update Continuity of Operations Plans.	New	4	3	3	3	3	3	
8. Provide public education and outreach on disaster preparedness including websites, newsletters, social media, Preparedness Month events, etc.	New	4	3	3	3	3	3	
9. Develop or update Emergency Operation Plans.	New	4	3	3	3	3	3	
10. Maintain an all-hazard outdoor warning siren system, including repairing, replacing, and upgrading.	New	2	3	3	3	3	5	
11. Conduct fire code, building code, zoning, and floodplain management enforcement activities.	New	4	3	3	3	3	3	
12. Prepare public buildings to act as shelters in case of any hazard.	New	4	3	2	4	3	3	
13. Develop a partnership to have places of worship serve as additional shelters.	New	4	3	3	3	3	3	
Severe Storms								
1. Inform residents of the various ways to receive weather alerts.	New	4	3	3	3	3	3	
2. Create a Standard Operating Guideline for the timely clearing of roads from debris caused by severe storms.	New	2						
3. Install a lightning warning system.	New	2						
4. Install lightning rods on public buildings.	New	2						



NEW MITIGATION ACTIONS SCORING MATRIX – CITY OF BUCYRUS

Hazard & Associated Mitigation Action	New or previous mitigation action	Applicable to your jurisdiction?	Cost-Effective	Technically Feasible	Environmentally Sound	In Immediate Need	Risk Reduction	Comments
Flooding								
1. Analyze and establish mitigation measures to protect waste water treatment plants.	Old	Y	2	3	3	1	1	
2. Pursue funding for mitigation actions of floodplain properties and residences along waterways through Bucyrus and Galion.	Old	Y	3	3	3	3	3	
3. Complete EPA storm/drainage separation system.	Old	Y	1	4	4	4	4	
4. Assess and map problem drainage areas.	Old	Y	2	4	4	4	4	
5. Encourage development of strategies to preserve scenic waterways and open space in and around floodplains.	Old	Y	3	4	4	4	3	
6. Pursue mitigation activities and funding for designated flood prone areas.	Old	Y	1	2	2	3	4	
7. Investigate and record repetitive loss areas in cities and villages.	Old	N						
8. Improve the stormwater management systems.	New	Y	2	4	4	3	3	
9. Identify and study poor draining areas to control flooding.	New	Y	2	4	4	4	3	
10. Repair or replace ditches, culverts, and bridges to control flooding.	New	N						
11. Identify and study riverbank stabilization opportunities.	New	Y	2	3	3	3	3	
12. Provide mitigation option guidance to property owners of Repetitive Loss and Severe Repetitive Loss Structures, such as acquisition, relocation, elevation, non-residential dry flood proofing, and non-residential wet flood proofing.	New	Y	2	3	3	3	3	
13. Encourage residents in flood prone areas to purchase flood insurance.	New	Y	3	3	3	3	3	
14. Modify building codes to encourage water proofing structures.	New	Y	3	3	3	3	3	
15. Adopt policies to reduce stormwater runoff.	New	Y	2	4	4	3	3	
16. Participate in the Community Rating System (awards communities who exceed NFIP requirements).	New	N						
Tornadoes								
1. Convert old fire stations into tornado sirens.	Old	N						
2. Continue yearly tornado drills at all schools.	Old	Y	3	5	5	5	5	
3. Provide weather radios to homes that are in sparsely populated areas.	Old	N						
4. Participate in and promote the Ohio Safe Room Rebate Program for safe room installation by homeowners.	Old	N						
5. Establish NOAA Weather Radio program for festivals, fairsgrounds, campgrounds, parks, and recreation.	Old	Y	3	3	3	3	3	



NEW MITIGATION ACTIONS SCORING MATRIX – CITY OF BUCYRUS

Hazard & Associated Mitigation Action	New or previous mitigation action	Applicable to jurisdiction?	Cost-Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Tornadoes (continued)								
6. Promote commercial safe rooms for high occupancy uses, such as bars and restaurants.	New	Y	2	2	2	3	4	
7. Identify tornado safe locations for residents to seek shelter during tornadoes/high wind events.	New	Y	2	2	2	2	3	
8. Promote wind and tornado resistant construction practices.	New	Y	2	2	2	2	3	
9. Encourage mobile home parks and other vulnerable communities to have a tornado preparedness plan.	New	Y	3	3	3	3	3	
Severe Winter Storms								
1. Increase public awareness of severe winter storms.	Old	Y	5	5	5	4	4	
2. Begin a public emergency plow telephone hotline for at-risk residents.	New	N						
3. Promote community shoveling programs to reduce the risk of heart attacks from excessive labor.	New	Y	3	1	5	5	4	
Utility Failure								
1. Tree trimming in right of ways along utility lines.	New	Y	2	4	4	3	3	
2. Begin a revolving loan program to help residents purchase backup generators.	New	N						
3. Consider burying utility lines outside of 100-Year flood plains in all new sub-divisions.	New	N						
4. Promote partnerships between utility companies to reduce the cost of higher-grade wires and burying lines.	New	Y	2	4	4	3	4	
Hazardous Materials								
1. Develop a Wellhead Protection Plan.	New	N						
2. Organize an annual drill to prepare for a disaster involving hazardous materials for emergency service personnel.	New	Y	3	3	4	3	3	
3. Report what hazardous materials are being handled on-site and amounts according to regulation.	New	Y	3	3	4	3	3	
4. Complete a commodity flow study to identify types and volume of hazardous materials transported via river, pipeline, truck, rail, and plane.	New	N						
Terrorism								
1. Encourage critical infrastructure to implement protective measures at their facilities.	New	Y	2	3	3	3	3	
2. Coordinate with emergency services to ensure the safety of large public gathering events.	New	Y	2	3	3	3	4	
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.	New	Y	4	1	4	3	4	



CRAWFORD COUNTY HAZARD MITIGATION PLAN
NEW MITIGATION ACTIONS SCORING MATRIX – CITY OF BUCYRUS

Hazard & Associated Mitigation Action	New or previous mitigation action	Applicable to your jurisdiction?	Cost-Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Terrorism (continued)								
4. Provide free active shooter training, or promote free and low cost third-party active shooter training.	New	Y	2	4	3	4	5	
5. Seal water wells.	New	N						
6. Install temporary bollards or fences during high-occupancy outdoor events.	New	N						
Epidemic								
1. Create public education programs to prevent the spread of contagious diseases.	New	Y	2	3	3	3	4	Health Dept
2. Create a detailed public health plan to prepare for an epidemic.	New	Y	2	3	3	3	4	
3. Create a public education program for vaccinations.	New	Y	2	3	3	3	4	
Drought and Extreme Heat								
1. Ensure municipalities have enough water supplies.	Old	N						
2. Provide educational opportunities to farmers to reduce adverse effects of drought.	Old	N						
3. Cities and villages to adopt water conservation measures and standards.	Old	N						
4. Provide guidance and resources for vulnerable populations during extreme temperature events, such as transportation to cooling shelters.	New	N						
5. Provide guidance and resources on utility assistance programs.	New	Y	4	4	4	4	4	NEED ASSISTANCE
6. Encourage farmers to deepen wells where possible.	New	N						
7. Encourage farmers to connect watering systems to deep wells.	New	N						
8. Develop a plan to limit water usage during extreme and prolonged droughts.	New	N						
9. Install water saving equipment in public buildings.	New	N						
10. Retrofit water supply and storage systems.	New	N						
11. Utilize xeriscaping (installation of drought-resistant plants arranged to save water) on public property to reduce water consumption.	New	N						
Invasive Species								
1. Implement an invasive species education program that covers associated hazards, identification, behavior, and quarantine procedures.	New	N						
2. Share information with the public that explains the importance of not importing or exporting firewood.	New	N						



NEW MITIGATION ACTIONS SCORING MATRIX - CITY OF BUCYRUS

Hazard & Associated Mitigation Action	New or previous mitigation action	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Dam Failure								FINANCIAL
1. Coordinate with ODNR to implement Dam Safety Program.	New	Y	1	4	4	5	5	NEED HELP
2. Work with dam owners to develop/update their dam safety plan.	New	N						
3. Work with dam owners to ensure they are prepared to respond should their dam fail.	New	N						
4. Model dam failure to identify at-risk areas.	New	Y	1	4	4	5	5	FINANCIAL
5. Work with local communities to create a dam failure response plan.	New	Y	1	4	4	5	5	HELP!
Wildfire								
1. Promote public education on smoking hazards and recreational fire risks.	New	N						
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.	New	N						
3. Develop a wildfire response plan with all fire departments.	New	N						
Earthquakes								
1. Provide public awareness and safety procedures during and following an earthquake event.	Old	N						
2. Use community outreach activities to foster an awareness of earthquake mitigation activities in homes, schools, and businesses.	New	N						



CRAWFORD COUNTY HAZARD MITIGATION PLAN
NEW MITIGATION ACTIONS SCORING MATRIX - CITY OF BUCYRUS

Additional Mitigation Actions

Mitigation Action	Hazard	Cost-Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
we need financial help with Dam replacement & Stormwater Separators							



NEW MITIGATION ACTIONS SCORING MATRIX – CITY OF BUCYRUS

NAME: _____ JURISDICTION: _____

Hazard & Associated Mitigation Action	New or previous mitigation action	Applicable to your jurisdiction?	Cost-Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
All Hazards								
1. Increase communication, coordination and collaboration among community leaders, property owners, local building regulations, and zoning authorities to address risk and provide uniformity and consistency in implementing sound mitigation practices.	Old	Y	3	3	3	3	3	
2. Develop a large gathering shelter plan for festivals and other events.	Old	Y	4	4	3	3	3	
3. Implement recommendations of feasibility study for upgrading countywide safety service communications.	Old	Y	3	3	3	3	3	
4. Identify and pursue funding options and opportunities to develop and implement local and county natural hazard mitigation activities.	Old	Y	4	4	4	4	4	
5. Encourage underground utility placement and tree maintenance programs in public right of ways.	Old	Y	3	3	4	3	3	
6. Develop/update back-up power generation capabilities at critical government facilities (e.g., temporary storm safe locations, community EOCs).	New	Y	2	2	3	3	3	
7. Develop/update Continuity of Operations Plans.	New	Y	3	3	2	3	3	
8. Provide public education and outreach on disaster preparedness including websites, newsletters, social media, Preparedness Month events, etc.	New	Y	3	3	3	3	3	
9. Develop or update Emergency Operation Plans.	New	Y	3	3	3	3	3	
10. Maintain an all-hazard outdoor warning siren system, including repairing, replacing, and upgrading.	New	Y	4	4	4	4	4	
11. Conduct fire code, building code, zoning, and floodplain management enforcement activities.	New	Y	4	3	4	5	4	
12. Prepare public buildings to act as shelters in case of any hazard.	New	Y	3	3	4	3	3	
13. Develop a partnership to have places of worship serve as additional shelters.	New	Y	3	3	3	3	3	
Severe Storms								
1. Inform residents of the various ways to receive weather alerts.	New	Y	4	4	3	4	3	
2. Create a Standard Operating Guideline for the timely clearing of roads from debris caused by severe storms.	New	Y	4	3	3	5	3	
3. Install a lightning warning system.	New	NA						
4. Install lightning rods on public buildings.	New	Y						



NEW MITIGATION ACTIONS SCORING MATRIX – CITY OF BUCYRUS

Hazard & Associated Mitigation Action	New or previous mitigation action	Applicable to your jurisdiction?	Cost-Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Flooding								
1. Analyze and establish mitigation measures to protect waste water treatment plants.	Old	Y	3	3	3	1	1	
2. Pursue funding for mitigation actions of floodplain properties and residences along waterways through Bucyrus and Gallon.	Old	Y	3	3	3	3	3	
3. Complete EPA storm/drainage separation system.	Old	Y	2	4	4	4	4	
4. Assess and map problem drainage areas.	Old	Y	1	2	2	3	4	
5. Encourage development of strategies to preserve scenic waterways and open space in and around floodplains.	Old	Y	3	4	4	4	3	
6. Pursue mitigation activities and funding for designated flood prone areas.	Old	Y	1	2	2	2	4	
7. Investigate and record repetitive loss areas in cities and villages.	Old	N						
8. Improve the stormwater management system.	New	Y	2	4	4	3	3	
9. Identify and study poor draining areas to control flooding.	New	Y	2	4	4	4	3	
10. Repair or replace ditches, culverts, and bridges to control flooding.	New	N						
11. Identify and study riverbank stabilization opportunities.	New	Y	2	3	3	3	3	
12. Provide mitigation option guidance to property owners of Repetitive Loss and Severe Repetitive Loss Structures, such as acquisition, relocation, elevation, non-residential dry flood proofing, and non-residential wet flood proofing.	New	Y	2	3	3	3	3	
13. Encourage residents in flood prone areas to purchase flood insurance.	New	Y	2	2	3	2	2	
14. Modify building codes to encourage water proofing structures.	New	Y	2	3	3	3	3	
15. Adopt policies to reduce stormwater runoff.	New	Y	2	4	4	2	3	
16. Participate in the Community Rating System (awards communities who exceed NFIP requirements).	New	N						
Tornadoes								
1. Convert old fire stations into tornado sirens.	Old	N						
2. Continue yearly tornado drills at all schools.	Old	Y	5	5	5	5	5	
3. Provide weather radios to homes that are in sparsely populated areas.	Old	N						
4. Participate in and promote the Ohio Safe Room Rebate Program for safe room installation by homeowners.	Old	N						
5. Establish NOAA Weather Radio program for festivals, fairgrounds, campgrounds, parks, and recreation.	Old	Y	3	3	3	3	3	



NEW MITIGATION ACTIONS SCORING MATRIX – CITY OF BUCYRUS

Hazard & Associated Mitigation Action	New or previous mitigation action	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Tornadoes (continued)								
6. Promote commercial safe rooms for high occupancy uses, such as bars and restaurants.	New	Y	2	2	2	2	4	
7. Identify tornado safe locations for residents to seek shelter during tornadoes/high wind events.	New	Y	2	2	2	2	3	
8. Promote wind and tornado resistant construction practices.	New	Y	2	2	2	2	3	
9. Encourage mobile home parks and other vulnerable communities to have a tornado preparedness plan.	New	Y	2	2	2	2	3	
Severe Winter Storms								
1. Increase public awareness of severe winter storms.	Old	Y	4	4	5	5	4	
2. Begin a public emergency plow telephone hotline for at-risk residents.	New	Y	5	4	3	4	4	
3. Promote community shoveling programs to reduce the risk of heart attacks from excessive labor.	New	Y	4	2	2	5	3	
Utility Failure								
1. Tree trimming in right of ways along utility lines.	New	Y	2	2	1	4	2	
2. Begin a revolving loan program to help residents purchase backup generators.	New	N						
3. Consider burying utility lines outside of 100-Year flood plains in all new sub-divisions.	New	N						
4. Promote partnerships between utility companies to reduce the cost of higher-grade wires and burying lines.	New	Y	4	3	4	4	3	
Hazardous Materials								
1. Develop a Wellhead Protection Plan.	New	N						
2. Organize an annual drill to prepare for a disaster involving hazardous materials for emergency service personnel.	New	Y	2	2	4	2	3	
3. Report what hazardous materials are being handled on-site and amounts according to regulation.	New	Y	3	3	4	2	3	
4. Complete a commodity flow study to identify types and volume of hazardous materials transported via river, pipeline, truck, rail, and plane.	New	N						
Terrorism								
1. Encourage critical infrastructure to implement protective measures at their facilities.	New	Y	2	2	2	3	2	
2. Coordinate with emergency services to ensure the safety of large public gathering events.	New	Y	2	2	2	2	4	
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.	New	Y	4	4	4	3	4	



NEW MITIGATION ACTIONS SCORING MATRIX – CITY OF BUCYRUS

Hazard & Associated Mitigation Action	New or previous mitigation action	Applicable to your jurisdiction?	Cost-Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Terrorism (continued)								
4. Provide free active shooter training, or promote free and low cost third-party active shooter training.	New	Y	4	5	4	5	4	
5. Seal water wells.	New	N						
6. Install temporary bollards or fences during high occupancy outdoor events.	New	N						
Epidemic								
1. Create public education programs to prevent the spread of contagious diseases.	New	Y	4	4	4	5	4	
2. Create a detailed public health plan to prepare for an epidemic.	New	Y	4	5	4	5	4	
3. Create a public education program for vaccinations.	New	Y	4	5	4	5	4	
Drought and Extreme Heat								
1. Ensure municipalities have enough water supplies.	Old	Y	5	5	5	5	5	
2. Provide education opportunities to farmers to reduce adverse effects of drought.	Old	N						
3. Cities and villages to adopt water conservation measures and standards.	Old	N						
4. Provide guidance and resources for vulnerable populations during extreme temperature events, such as transportation to cooling shelters.	New	N						
5. Provide guidance and resources on utility assistance programs.	New	Y	4	4	4	4	4	
6. Encourage farmers to deepen wells where possible.	New	N						
7. Encourage farmers to connect watering systems to deep wells.	New	N						
8. Develop a plan to limit water usage during extreme and prolonged droughts.	New	N						
9. Install water saving equipment in public buildings.	New	N						
10. Retrofit water supply and storage systems.	New	N						
11. Utilize xeriscaping (installation of drought-resistant plants arranged to save water) on public property to reduce water consumption.	New	N						
Invasive Species								
1. Implement an invasive species education program that covers associated hazards, identification, behavior, and quarantine procedures.	New	N						
2. Share information with the public that explains the importance of not importing or exporting firewood.	New	N						



NEW MITIGATION ACTIONS SCORING MATRIX – CITY OF BUCYRUS

Hazard & Associated Mitigation Action	New or previous mitigation action	Applicable to your jurisdiction?	Cost-Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Dam Failure								
1. Coordinate with ODNR to implement Dam Safety Program.	New	Y	1	4	4	5	5	
2. Work with dam owners to develop/update their dam safety plan.	New	N						
3. Work with dam owners to ensure they are prepared to respond should their dam fail.	New	N						
4. Model dam failure to identify at-risk areas.	New	Y	1	4	4	5	5	
5. Work with local communities to create a dam failure response plan.	New	Y	1	4	4	5	5	
Wildfire								
1. Promote public education on smoking hazards and recreational fire risks.	New	N						
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.	New	N						
3. Develop a wildfire response plan with all fire departments.	New	N						
Earthquakes								
1. Provide public awareness and safety procedures during and following an earthquake event.	Old	N						
2. Use community outreach activities to foster an awareness of earthquake mitigation activities in homes, schools, and businesses.	New	N						



CRAWFORD COUNTY HAZARD MITIGATION PLAN
NEW MITIGATION ACTIONS SCORING MATRIX – CITY OF BUCYRUS

Additional Mitigation Actions

Mitigation Action	Hazard	Cost-Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Dam Repairs LeWANS civil Repair River Flooding & Maintaining		1	4	4	5	5	

Appendix F: Meeting Documentation

City of Galion Surveys



CRAWFORD COUNTY HAZARD MITIGATION PLAN

Name & Organization:

City of Galena - Brian Sandford

GOALS SURVEY

It is important to revisit the goals from Crawford County's 2014 Natural Hazard 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)

In the 2014 Natural Hazard Mitigation Plan, Crawford County organized the goals into six categories: preventative, property protection, emergency services, structural projects, natural resource protection, and public information. Please review each goal below.

Preventative:

- ☒ To reduce risk and loss of life by implementing activities to give Crawford County citizens as much advance warning as possible of impending natural hazards.

- ☒ Coordinate existing plans and strategies already in place to put them to more effective use.

- ☐ Strengthen communication between various communities and agencies throughout the County to make them aware of good, sound mitigation activities and practices.

Continue Communication with the same strength. Already strong!

- ☒ Continue to coordinate policies and plans for the protection of critical facilities, services, and infrastructure.

Property Protection

- ☒ To develop practices and implement activities to protect lives and reduce damages to homes, businesses, industries, and agricultural areas of Crawford County.

Emergency Services

- ☒ Continue to support and coordinate emergency services efforts throughout the County and continue to strengthen emergency operation plans at the various Crawford County communities.

Structural Projects

- ☒ Continued maintenance of existing river, stream, and retention dikes and levees.



Natural Resource Protection

- ☒ Continue to rehabilitate, protect, and enhance the natural systems already in place in order to preserve the rich, historical, and agricultural environment found in Crawford County.

Public Information

- ☒ Continue to promote public awareness of the risks associated with natural hazard events,

New Goals

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

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

Please provide any additional comments on the goals in the space provided below.

I DO SEE A POTENTIAL EMERGENCY SERVICES COMMUNICATION ISSUE. WITH ALL CITY/COUNTY FIRE DEPTS. GOING TO MARS RADIOS AND LAW ENFORCEMENT NOT CHANGING, THE WILL POTENTIALLY BE A COMMUNICATION ISSUE IF WE ENCOUNTER A LARGE SCALE DISASTER WHERE POLICE + FIRE NEED TO COMMUNICATE.



CRAWFORD COUNTY HAZARD MITIGATION PLAN

Name & Organization: Andrea Barnes - Galion City Health Department

GOALS SURVEY

It is important to revisit the goals from Crawford County's 2014 Natural Hazard 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)

In the 2014 Natural Hazard Mitigation Plan, Crawford County organized the goals into six categories: preventative, property protection, emergency services, structural projects, natural resource protection, and public information. Please review each goal below.

Preventative:

- ☒ To reduce risk and loss of life by implementing activities to give Crawford County citizens as much advance warning as possible of impending natural hazards.

- ☒ Coordinate existing plans and strategies already in place to put them to more effective use.

- ☒ Strengthen communication between various communities and agencies throughout the County to make them aware of good, sound mitigation activities and practices.

- ☒ Continue to coordinate policies and plans for the protection of critical facilities, services, and infrastructure.

Property Protection

- ☒ To develop practices and implement activities to protect lives and reduce damages to homes, businesses, industries, and agricultural areas of Crawford County.

Emergency Services

- ☒ Continue to support and coordinate emergency services efforts throughout the County and continue to strengthen emergency operation plans at the various Crawford County communities.

Structural Projects

- ☐ Continued maintenance of existing river, stream, and retention dikes and levees.



Natural Resource Protection

- ☒ Continue to rehabilitate, protect, and enhance the natural systems already in place in order to preserve the rich, historical, and agricultural environment found in Crawford County.

Conserve

Public Information

- ☒ Continue to promote public awareness of the risks associated with natural hazard events.

New Goals

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

- ☒ *All of the goals should be measurable*
- ☒ *Send the plan to newer people/positions*
- ☒ *Make sure the community can understand the plan*
- ☐
- ☐
- ☐

Please provide any additional comments on the goals in the space provided below.

*These are not SMART goals.
These goals are too broad*



CRAWFORD COUNTY HAZARD MITIGATION PLAN

Name & Organization:

City of Galun

Ben Smithson

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

Comments



PREVIOUS MITIGATION ACTIONS STATUS & SCORING MATRIX

CITY OF GALION

NAME: Andrea Barnes, Galion City Health Dept POSITION: Director of Environmental Health

Step 1: Status Update

#	Hazard Type	Mitigation Action	Start Date	End Date	Status	Remarks	Comments
1	Multiple Hazards	Increase communication, coordination and collaboration among community leaders, property owners, local building regulations and zoning authorities to address risk and provide uniformity and consistency in implementing sound mitigation practices.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input checked="" type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Unsure of the progress but I am involved on LEPC
2	Multiple Hazards	Develop a large gathering shelter plan for festivals and other events.	Oct. 6, 2006	Oct. 7, 2019	<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: _____	" "
3	Multiple Hazards	Implement recommendations of feasibility study for upgrading countywide safety service communications.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	No idea
4	Multiple Hazards	Identify and pursue funding options and opportunities to develop and implement local and county natural hazard mitigation activities.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input checked="" type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5	Multiple Hazards	Continuance of a First Responders supply depot.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	No idea



PREVIOUS MITIGATION ACTIONS STATUS & SCORING MATRIX

#	Hazard Type	Mitigation Action	Start Date	End Date	Status	Remarks	Comments
6	Multiple Hazards	Encourage underground utility placement and tree maintenance programs in public right of ways.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input checked="" type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Unsure L1
7	Tornadoes	Convert old fire sirens into tornado sirens.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	L1
8	Tornadoes	Continue yearly tornado drills at all schools.	Oct. 6, 2006	Oct. 7, 2019	<input checked="" type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input checked="" type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	L1
9	Tornadoes	Provide weather radios to homes that are in sparsely populated areas.	Oct. 6, 2006	Oct. 7, 2019	<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: _____	L1
10	Tornadoes	Participate in the Ohio Safe Room Rebate Program.	Oct. 6, 2006	Oct. 7, 2019	<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: _____	L1
11	Tornadoes	Establish NOAA Weather Radio program for festivals, fairgrounds, campgrounds, parks, and recreation areas.	Oct. 6, 2006	Oct. 7, 2019	<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: _____	L1
12	Tornadoes	Safe room for mobile home parks.	Oct. 6, 2006	Oct. 7, 2019	<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: _____	L1
13	Flooding	Encourage development of strategies to preserve scenic waterways and open space in and around floodplains.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input checked="" type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	L1



PREVIOUS MITIGATION ACTIONS STATUS & SCORING MATRIX

#	Hazard Type	Mitigation Action	Start Date	End Date	Status	Remarks	Comments
14	Flooding	Pursue mitigation activities and funding for designated flood prone areas.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input checked="" type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Unsure
15	Flooding	Analyze and establish mitigation measures to protect wastewater treatment plant.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input checked="" type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
16	Flooding	Pursue funding for mitigation actions of floodplain properties and residences along waterways through Bucyrus and Galion.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input checked="" type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
17	Flooding	Assess and map problem drainage areas.	Oct. 6, 2006	Oct. 7, 2017	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input checked="" type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
18	Flooding	Complete EPA storm/sanitary separation system.	Oct. 6, 2006	Oct. 7, 2017	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input checked="" type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
19	Flooding	Investigate and record repetitive flooding areas in cities and villages.	Oct. 6, 2006	Oct. 7, 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: _____	
20	Winter Storms	Increase public awareness of severe winter storms.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input checked="" type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
21	Drought	Ensure municipalities have enough water supplies.	Oct. 6, 2006	Oct. 7, 2017	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input checked="" type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	



PREVIOUS MITIGATION ACTIONS STATUS & SCORING MATRIX

#	Hazard Type	Mitigation Action	Start Date	End Date	Status	Remarks	Comments
22	Drought	Provide education opportunities to farmers to reduce adverse effects of drought.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input checked="" type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
23	Drought	Cities and villages to adopt water conservation measures and standards.	Oct. 6, 2006	Oct. 7, 2011	<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: _____	
24	Earthquake	Provide public awareness and safety procedures during and following an earthquake event.	Oct. 6, 2006	Oct. 7, 2019	<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: _____	



Andrea Barnes

Galion City Health Dept

CITY OF GALION

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	Increase communication, coordination and collaboration among community leaders, property owners, local building regulations and zoning authorities to address risk and provide uniformity and consistency in implementing sound mitigation practices.	Y	3	3	5	4	4	
2	Develop a large gathering shelter plan for festivals and other events.	Y	2	2	2	1	4	
3	Implement recommendations of feasibility study for upgrading countywide safety service communications.	N						
4	Identify and pursue funding options and opportunities to develop and implement local and county natural hazard mitigation activities.	Y	5	5	5	5	5	
5	Continuance of a First Responders supply depot.	Y						
6	Encourage underground utility placement and tree maintenance programs in public right of ways.	N						
7	Convert old fire sirens into tornado sirens	Y	3	3	3	3	5	
8	Continue yearly tornado drills at all schools.	Y	5	5	4	5	5	
9	Provide weather radios to homes that are in sparsely populated areas.	Y	3	3	3	3	3	
10	Participate in the Ohio Safe Room Rebate Program	Y	4	4	4	2	4	
11	Establish NOAA Weather Radio program for festivals, fairgrounds, campgrounds, parks, and recreation areas.	N						



PREVIOUS MITIGATION ACTIONS STATUS & SCORING MATRIX

#	Hazard & Associated Mitigation Action	Include in Updated Plan? (Y/N)	Cost-Effective	Technically Feasible	Environmentally Sound	Immediate Need	Total Risk Reduction	Comments
12	Safe room for mobile home parks.	Y	3	2	3	2	2	
13	Encourage development of strategies to preserve scenic waterways and open space in and around floodplains.	N						
14	Pursue mitigation activities and funding for designated flood prone areas.	Y	4	4	4	5	4	
15	Analyze and establish mitigation measures to protect wastewater treatment plant.	Y	4	5	5	4	4	
16	Pursue funding for mitigation actions of floodplain properties and residences along waterways through Bucyrus and Galion	Y	4	4	5	4	3	
17	Assess and map problem drainage areas	Y	3	5	5	3	3	
18	Complete EPA storm/sanitary separation system	Y	5	5	5	5	5	
19	Investigate and record repetitive flooding areas in cities and villages.	N						
20	Increase public awareness of severe winter storms.	Y	5	5	5	5	5	
21	Ensure municipalities have enough water supplies.	Y	5	5	4	4	5	
22	Provide education opportunities to farmers to reduce adverse effects of drought.	Y	4	4	4	3	4	
23	Cities and villages to adopt water conservation measures and standards.	Y	4	4	5	4	4	
24	Provide public awareness and safety procedures during and following an earthquake event.	N						



NEW MITIGATION ACTIONS SCORING MATRIX – CITY OF GALION

NAME:

JURISDICTION:

Hazard & Associated Mitigation Action	New or previous mitigation action	Applicable to your jurisdiction?	Cost-Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
All Hazards								
1. Increase communication, coordination and collaboration among community leaders, property owners, local building regulations, and zoning authorities to address risk and provide uniformity and consistency in implementing sound mitigation practices.	Old	yes	5	4	5	3	5	
2. Develop a large gathering shelter plan for festivals and other events.	Old	yes	5	4	4	5	3	
3. Implement recommendations of feasibility study for upgrading countywide safety service communications.	Old	yes	5	3	3	3	3	
4. Identify and pursue funding options and opportunities to develop and implement local and county natural hazard mitigation activities.	Old	yes	4	3	5	4	3	
5. Encourage underground utility placement and tree maintenance programs in public right of ways.	Old	yes	2	3	3	3	4	
6. Develop/update back-up power generation capabilities at critical government facilities (e.g. temporary storm safe locations, community EOCs).	New	yes	2	3	3	4	4	
7. Develop/update Continuity of Operations Plans.	New	yes	5	3	4	5	3	
8. Provide public education and outreach on disaster preparedness including websites, newsletters, social media, Preparedness Month events, etc.	New	yes	4	5	5	3	3	
9. Develop or update Emergency Operation Plans.	New	yes	5	3	4	5	4	
10. Maintain an all-hazard outdoor warning siren system, including repairing, replacing, and upgrading.	New	yes	3	5	4	4	3	
11. Conduct fire code, building code, zoning, and floodplain management enforcement activities.	New	yes	5	5	5	5	5	
12. Prepare public buildings to act as shelters in case of any hazard.	New	yes	2	4	3	3	4	
13. Develop a partnership to have places of worship serve as additional shelters.	New	yes	5	5	5	3	4	
Severe Storms								
1. Inform residents of the various ways to receive weather alerts.	New	yes	5	3	4	3	4	
2. Create a Standard Operating Guideline for the timely clearing of roads from debris caused by severe storms.	New	yes	5	3	4	2	2	
3. Install a lightning warning system.	New	No						
4. Install lightning rods on public buildings.	New	No						



NEW MITIGATION ACTIONS SCORING MATRIX – CITY OF GALION

Hazard & Associated Mitigation Action	New or previous mitigation action	Applicable to your jurisdiction?	Cost-Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Flooding								
1. Analyze and establish mitigation measures to protect waste water treatment plants.	Old							
2. Pursue funding for mitigation actions of floodplain properties and residences along waterways through Bucyrus and Galion.	Old							
3. Complete EPA storm/drainage separation system.	Old							
4. Assess and map problem drainage areas.	Old							
5. Encourage development of strategies to preserve scenic waterways and open space in and around floodplains.	Old							
6. Pursue mitigation activities and funding for designated flood prone areas.	Old							
7. Investigate and record repetitive loss areas in cities and villages.	Old							
8. Improve the stormwater management system.	New	YES	2	4	6	3	4	
9. Identify and study poor draining areas to control flooding.	New	YES	3	4	4	4	4	
10. Repair or replace ditches, culverts, and bridges to control flooding.	New	YES	3	4	4	3	4	
11. Identify and study riverbank stabilization opportunities.	New	YES	3	4	4	3	4	
12. Provide mitigation option guidance to property owners of Repetitive Loss and Severe Repetitive Loss Structures, such as acquisition, relocation, elevation, non-residential dry flood proofing, and non-residential wet flood proofing.	New	NO						
13. Encourage residents in flood prone areas to purchase flood insurance.	New	NO						
14. Modify building codes to encourage water proofing structures.	New	YES	5	3	3	3	3	
15. Adopt policies to reduce stormwater runoff.	New	YES	5	4	3	4	4	
16. Participate in the Community Rating System (awards communities who exceed NFIP requirements).	New	NO						
Tornadoes								
1. Convert old fire stations into tornado sirens.	Old	NO						
2. Continue yearly tornado drills at all schools.	Old	NO						
3. Provide weather radios to homes that are in sparsely populated areas.	Old	NO						
4. Participate in and promote the Ohio Safe Room Rebate Program for safe room installation by homeowners.	Old	NO						
5. Establish NOAA Weather Radio program for festivals, fairgrounds, campgrounds, parks, and recreation.	Old	NO						



NEW MITIGATION ACTIONS SCORING MATRIX – CITY OF GALION

Hazard & Associated Mitigation Action	New or previous mitigation action	Applicable to your jurisdiction?	Cost-Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Tornadoes (continued)								
6. Promote commercial safe rooms for high occupancy uses, such as bars and restaurants.	New	NO						
7. Identify tornado safe locations for residents to seek shelter during tornadoes/high wind events.	New	YES	5	3	5	3	3	
8. Promote wind and tornado resistant construction practices.	New	YES	5	3	5	4	3	
9. Encourage mobile home parks and other vulnerable communities to have a tornado preparedness plan.	New	NO						
Severe Winter Storms								
1. Increase public awareness of severe winter storms.	Old	Y	5	5	4	3	3	
2. Begin a public emergency plow telephone hotline for at-risk residents.	New	NO						
3. Promote community shoveling programs to reduce the risk of heart attacks from excessive labor.	New	NO						
Utility Failure								
1. Tree trimming in right of ways along utility lines.	New	YES	4	4	5	3	3	
2. Begin a revolving loan program to help residents purchase backup generators.	New	YES	3	3	3	4	4	
3. Consider burying utility lines outside of 100-Year flood plains in all new sub-divisions.	New	NO						
4. Promote partnerships between utility companies to reduce the cost of higher-grade wires and burying lines.	New	NO						
Hazardous Materials								
1. Develop a Wellhead Protection Plan.	New	NO						
2. Organize an annual drill to prepare for a disaster involving hazardous materials for emergency service personnel.	New	YES	3	5	5	3	3	
3. Report what hazardous materials are being handled on-site and amounts according to regulation.	New	YES	5	5	5	3	2	
4. Complete a commodity flow study to identify types and volume of hazardous materials transported via river, pipeline, truck, rail, and plane.	New	YES	4	3	4	4	3	
Terrorism								
1. Encourage critical infrastructure to implement protective measures at their facilities.	New	YES	4	5	4	3	3	
2. Coordinate with emergency services to ensure the safety of large public gathering events.	New	YES	4	5	4	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.	New	YES	5	5	5	4	4	



CRAWFORD COUNTY HAZARD MITIGATION PLAN
NEW MITIGATION ACTIONS SCORING MATRIX – CITY OF GALION

Hazard & Associated Mitigation Action	New or previous mitigation action	Applicable to your jurisdiction?	Cost-Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Terrorism (continued)								
4. Provide free active shooter training, or promote free and low cost third-party active shooter training.	New	YES	3	4	5	3	3	
5. Seal water wells.	New	NO						
6. Install temporary bollards or fences during high-occupancy outdoor events.	New	NO						
Epidemic								
1. Create public education programs to prevent the spread of contagious diseases.	New	YES	3	3	4	4	3	
2. Create a detailed public health plan to prepare for an epidemic.	New	NO						
3. Create a public education program for vaccinations.	New	YES	4	4	5	3	3	
Drought and Extreme Heat								
1. Ensure municipalities have enough water supplies.	Old							
2. Provide education opportunities to farmers to reduce adverse effects of drought.	Old							
3. Cities and villages to adopt water conservation measures and standards.	Old							
4. Provide guidance and resources for vulnerable populations during extreme temperature events, such as transportation to cooling shelters.	New	YES	4	3	3	3	3	
5. Provide guidance and resources on utility assistance programs.	New	NO						
6. Encourage farmers to deepen wells where possible.	New	NO						
7. Encourage farmers to connect watering systems to deep wells.	New	NO						
8. Develop a plan to limit water usage during extreme and prolonged droughts.	New	YES	4	4	4	2	2	
9. Install water saving equipment in public buildings.	New	NO						
10. Retrofit water supply and storage systems.	New	NO						
11. Utilize xeriscaping (installation of drought-resistant plants arranged to save water) on public property to reduce water consumption.	New	NO						
Invasive Species								
1. Implement an invasive species education program that covers associated hazards, identification, behavior, and quarantine procedures.	New	NO						
2. Share information with the public that explains the importance of not importing or exporting firewood.	New	NO						



NEW MITIGATION ACTIONS SCORING MATRIX – CITY OF GALION

Hazard & Associated Mitigation Action	New or previous mitigation action	Applicable to your jurisdiction?	Cost-Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Dam Failure								
1. Coordinate with ODNR to implement Dam Safety Program.	New	Yes	4	4	5	4	3	
2. Work with dam owners to develop/update their dam safety plan.	New	No						
3. Work with dam owners to ensure they are prepared to respond should their dam fail.	New	No						
4. Model dam failure to identify at-risk areas.	New	No						
5. Work with local communities to create a dam failure response plan.	New	No						
Wildfire								
1. Promote public education on smoking hazards and recreational fire risks.	New	Yes	4	3	5	3	2	
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.	New	No						
3. Develop a wildfire response plan with all fire departments.	New	No						
Earthquakes								
1. Provide public awareness and safety procedures during and following an earthquake event.	Old	No						
2. Use community outreach activities to foster an awareness of earthquake mitigation activities in homes, schools, and businesses.	New	No						



NEW MITIGATION ACTIONS SCORING MATRIX – CITY OF GALION

Additional Mitigation Actions

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



CRAWFORD COUNTY HAZARD MITIGATION PLAN
PREVIOUS MITIGATION ACTIONS STATUS & SCORING MATRIX

CITY OF GALLION

NAME: KEVIN SANCHEZ

POSITION: City of Gallion

Step 1: Status Update

#	Hazard Type	Mitigation Action	Start Date	End Date	Status	Remarks	Comments
1	Multiple Hazards	Increase communication, coordination and collaboration among community leaders, property owners, local building regulations and zoning authorities to address risk and provide uniformity and consistency in implementing sound mitigation practices.	Oct. 3, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input checked="" type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: <u>75</u>	
2	Multiple Hazards	Develop a large gathering shelter plan for festivals and other events.	Oct. 5, 2006	Oct. 7, 2019	<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: _____	<i>Included in outside Strategic Plan</i>
3	Multiple Hazards	Implement recommendations of feasibility study for upgrading countywide safety service communications.	Oct. 6, 2006	Oct. 7, 2019	<input checked="" type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: <u>Each Agency on their own</u> Why: _____ Why: _____ % Complete: _____	
4	Multiple Hazards	Identify and pursue funding options and opportunities to develop and implement local and county natural hazard mitigation activities.	Oct. 6, 2006	Oct. 7, 2019	<input checked="" type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
5	Multiple Hazards	Continuance of a First Responders supply depot.	Oct. 6, 2006	Oct. 7, 2019	<input checked="" type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: <u>Each Agency on their own</u> Why: _____ Why: _____ % Complete: _____	



CRAWFORD COUNTY HAZARD MITIGATION PLAN
PREVIOUS MITIGATION ACTIONS STATUS & SCORING MATRIX

#	Hazard Type	Mitigation Action	Start Date	End Date	Status	Remarks	Comments
6	Multiple Hazards	Encourage underground utility placement and tree maintenance programs in public right of ways.	Oct. 6, 2006	Oct. 7, 2019	<input checked="" type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input checked="" type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: <u>100 and annual maintenance</u>	
7	Tornadoes	Convert old fire sirens into tornado sirens.	Oct. 6, 2006	Oct. 7, 2019	<input checked="" type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: <u>2017</u> Why: _____ Why: _____ Why: _____ % Complete: _____	
8	Tornadoes	Continue yearly tornado drills at all schools.	Oct. 6, 2006	Oct. 7, 2019	<input checked="" type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input checked="" type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: <u>100</u>	
9	Tornadoes	Provide weather radios to homes that are in sparsely populated areas.	Oct. 6, 2006	Oct. 7, 2019	<input checked="" type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
10	Tornadoes	Participate in the Ohio Safe Room Rebate Program.	Oct. 6, 2006	Oct. 7, 2019	<input checked="" type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
11	Tornadoes	Establish NOAA Weather Radio program for festivals, fairgrounds, campgrounds, parks, and recreation areas.	Oct. 6, 2006	Oct. 7, 2019	<input checked="" type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
12	Tornadoes	Safe room for mobile home parks.	Oct. 6, 2006	Oct. 7, 2019	<input checked="" type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
13	Flooding	Encourage development of strategies to preserve scenic waterways and open space in and around floodplains.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input checked="" type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	



CRAWFORD COUNTY HAZARD MITIGATION PLAN
PREVIOUS MITIGATION ACTIONS STATUS & SCORING MATRIX

#	Hazard Type	Mitigation Action	Start Date	End Date	Status	Remarks	Comments
14	Flooding	Pursue mitigation activities and funding for designated flood prone areas.	Oct. 6, 2006	Oct. 7, 2018	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input checked="" type="checkbox"/> Unchanged <input checked="" type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
15	Flooding	Analyze and establish mitigation measures to protect wastewater treatment plant.	Oct. 6, 2006	Oct. 7, 2018	<input checked="" type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
16	Flooding	Pursue funding for mitigation actions of floodplain properties and residences along waterways through Bucyrus and Galton.	Oct. 6, 2006	Oct. 7, 2018	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input checked="" type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
17	Flooding	Assess and map problem drainage areas.	Oct. 6, 2006	Oct. 7, 2017	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input checked="" type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
18	Flooding	Complete EPA storm/sanitary separation system.	Oct. 6, 2006	Oct. 7, 2017	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input checked="" type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
19	Flooding	Investigate and record repetitive flooding areas in cities and villages.	Oct. 6, 2006	Oct. 7, 2016	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input checked="" type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
20	Winter Storms	Increase public awareness of severe winter storms.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input checked="" type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
21	Drought	Ensure municipalities have enough water supplies.	Oct. 6, 2006	Oct. 7, 2017	<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: _____	



CRAWFORD COUNTY HAZARD MITIGATION PLAN
PREVIOUS MITIGATION ACTIONS STATUS & SCORING MATRIX

#	Hazard Type	Mitigation Action	Start Date	End Date	Status	Remarks	Comments
22	Drought	Provide education opportunities to farmers to reduce adverse effects of drought.	Oct. 6, 2005	Oct. 7, 2019	<input type="checkbox"/> Completed <input checked="" type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	
23	Drought	Cities and villages to adopt water conservation measures and standards.	Oct. 6, 2006	Oct. 7, 2011	<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: _____	
24	Earthquake	Provide public awareness and safety procedures during and following an earthquake event.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input checked="" type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	



CRAWFORD COUNTY HAZARD MITIGATION PLAN
PREVIOUS MITIGATION ACTIONS STATUS & SCORING MATRIX

CITY OF GALLON

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	Increase communication, coordination and collaboration among community leaders, property owners, local building regulations and zoning authorities to address risk and provide uniformity and consistency in implementing sound mitigation practices.	Y	5	5	3	3	4	
2	Develop a large gathering shelter plan for festivals and other events.	YN						
3	Implement recommendations of feasibility study for upgrading countywide safety service communications.	N						
4	Identify and pursue funding options and opportunities to develop and implement local and county natural hazard mitigation activities.	Y	3	2	2	2	3	
5	Continuance of a First Responders supply depot.	N						
6	Encourage underground utility placement and tree maintenance programs in public right of ways.	Y						Eliminate Underground Utility But maintain Tree Maintenance
7	Convert old fire sirens into tornado sirens	N						
8	Continue yearly tornado drills at all schools.	YN						
9	Provide weather radios to homes that are in sparsely populated areas.	N						
10	Participate in the Ohio Safe Room Rebate Program	N						
11	Establish NOAA Weather Radio program for festivals, fairgrounds, campgrounds, parks, and recreation areas.	N						



CRAWFORD COUNTY HAZARD MITIGATION PLAN
PREVIOUS MITIGATION ACTIONS STATUS & SCORING MATRIX

#	Hazard & Associated Mitigation Action	Include in Updated Plan? (Y/N)	Cost-Effective	Technically Feasible	Environmentally Sound	Immediate Need	Total Risk Reduction	Comments
12	Safe room for mobile home parks.	Y						
13	Encourage development of strategies to preserve scenic waterways and open space in and around floodplains.	Y						
14	Pursue mitigation activities and funding for designated flood prone areas.	Y	5	4	4	3	4	
15	Analyze and establish mitigation measures to protect wastewater treatment plant.	Y						
16	Pursue funding for mitigation actions of floodplain properties and residences along waterways through Bucyrus and Galton	Y	5	4	4	3	4	
17	Assess and map problem drainage areas	Y	5	5	5	1	4	
18	Complete EPA storm/sanitary separation system	Y	1	2	5	3	4	
19	Investigate and record repetitive flooding areas in cities and villages.	Y	5	5	5	2	4	
20	Increase public awareness of severe winter storms.	Y	5	5	4	3	3	
21	Ensure municipalities have enough water supplies.	Y	4	4	4	2	4	
22	Provide education opportunities to farmers to reduce adverse effects of drought.	Y						
23	Cities and villages to adopt water conservation measures and standards.	Y	5	4	4	2	4	
24	Provide public awareness and safety procedures during and following an earthquake event.	Y						

#8

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Monday, September 09, 2019 8:53:30 AM
Last Modified: Monday, September 09, 2019 8:55:04 AM
Time Spent: 00:01:34
IP Address: 24.142.148.50

Page 2: Contact Information

Q1 Reviewer's Name

Phil Jackson

Q2 Reviewer's Jurisdiction

Galion

Q3 Reviewer's Phone Number

4192953211

Q4 Reviewer's Email Address

philjackson@galion.city

Page 3: Plan Review

Q5 Please enter the specific plan page number and section, and then provide your comment.

Recommended Change

No Changes

Q6 Do you have additional specific comments? (Select "Yes" to provide additional specific comments by page number/section; select "No" to move on to providing general comments.)

No

Page 4: Plan Review

Q7 Please enter the specific plan page number and section, and then provide your comment.

Respondent skipped this question

Crawford County Hazard Mitigation Plan: Community Feedback Survey

Q8 Do you have additional specific comments? (Select "Yes" to provide additional specific comments by page number/section; select "No" to move on to providing general comments.)

Respondent skipped this question

Page 5: Plan Review

Q9 Please enter the specific plan page number and section, and then provide your comment.

Respondent skipped this question

Q10 Do you have additional specific comments? (Select "Yes" to provide additional specific comments by page number/section; select "No" to move on to providing general comments.)

Respondent skipped this question

Page 6: Plan Review

Q11 Please enter the specific plan page number and section, and then provide your comment.

Respondent skipped this question

Q12 Do you have additional specific comments? (Select "Yes" to provide additional specific comments by page number/section; select "No" to move on to providing general comments.)

Respondent skipped this question

Page 7: Plan Review

Q13 Please enter the specific plan page number and section, and then provide your comment.

Respondent skipped this question

Q14 Do you have additional specific comments? (Select "Yes" to provide additional specific comments by page number/section; select "No" to move on to providing general comments.)

Respondent skipped this question

Page 8: Plan Review

Q15 Please enter the specific plan page number and section, and then provide your comment.

Respondent skipped this question

Q16 Do you have additional specific comments? (Select "Yes" to provide additional specific comments by page number/section; select "No" to move on to providing general comments.)

Respondent skipped this question

Page 9: Plan Review

Q17 Please enter the specific plan page number and section, and then provide your comment.

Respondent skipped this question

Q18 Do you have additional specific comments? (Select "Yes" to provide additional specific comments by page number/section; select "No" to move on to providing general comments.)

Respondent skipped this question

Page 10: Plan Review

Q19 Please enter the specific plan page number and section, and then provide your comment.

Respondent skipped this question

Page 11: General Comments

Q20 Please enter your general comments here.

Looks good

Appendix F:

Meeting

Documentation

Village of Chatfield Surveys

#8

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Wednesday, August 14, 2019 2:46:24 PM
Last Modified: Wednesday, August 14, 2019 2:51:13 PM
Time Spent: 00:04:48
IP Address: 50.54.108.178

Page 1: Survey Instructions

Q1 Name and Organization

Name	Scott Bishop
Organization/Agency	Village of Chatfield
Title/Position	Mayor
Email Address	chatfieldmayor@gmail.com

Page 2: Goals Survey

Q2 Preventative: To reduce risk and loss of life by implementing activities to give Crawford County citizens as much advance warning as possible of impending natural hazards.	Keep goal as written with no modifications
---	--

Q3 Preventative: Coordinate existing plans and strategies already in place to put them to more effective use.	Keep goal as written with no modifications
--	--

Q4 Preventative: Strengthen communication between various communities and agencies throughout the County to make them aware of good, sound mitigation activities and practices.	Keep goal as written with no modifications
--	--

Q5 Preventative: Continue to coordinate policies and plans for the protection of critical facilities, services, and infrastructure.	Keep goal as written with no modifications
--	--

Q6 Property Protection: To develop practices and implement activities to protect lives and reduce damages to homes, businesses, industries, and agricultural areas of Crawford County.	Keep goal as written with no modifications
---	--

Crawford County Hazard Mitigation Plan: Goals and Hazard Priority Survey

Q7 Emergency Services: Continue to support and coordinate emergency services efforts throughout the County and continue to strengthen emergency operation plans at the various Crawford County communities.

Keep goal as written with no modifications

Q8 Structural Projects: Continued maintenance of existing river, stream, and retention dikes and levees.

Keep goal as written with no modifications

Q9 Natural Resource Protection: Continue to rehabilitate, protect, and enhance the natural systems already in place in order to preserve the rich, historical, and agricultural environment found in Crawford County.

Keep goal as written with no modifications

Q10 Public Information: Continue to promote public awareness of the risks associated with natural hazard events.

Keep goal as written with no modifications

Q11 If there is a new goal that should be included, please type that goal below

Respondent skipped this question

Q12 Please provide any additional comments related to these goals in the space below.

Respondent skipped this question

Page 3: Hazard Priorities

Q13 Hazards included in 2014 Plan

Dam Failure

Lowest Priority

Drought and Extreme Heat

Highest Priority

Earthquakes

Lowest Priority

Epidemic

Medium Priority

Flooding

Highest Priority

Severe Summer Storms

Medium-High Priority

Severe Winter Storms

Medium-High Priority

Tornadoes

Medium-High Priority

Crawford County Hazard Mitigation Plan: Goals and Hazard Priority Survey

Q14 Possible Additional Hazards

Landslides	N/A
Hazardous Materials	Medium-High Priority
Invasive Species	Medium Priority
Utility Failure	Low-Medium Priority
Wildfire	Low-Medium Priority
Terrorism	Medium Priority
Hurricanes/Tropical Storms	Lowest Priority
Mine Subsidence (ground movement due to underground mines)	Lowest Priority

Q15 Please provide any additional comments about these hazards.

Respondent skipped this question

Page 4: Survey Complete!

Q16 General Comments

Respondent skipped this question

#7

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Wednesday, August 14, 2019 2:51:31 PM
Last Modified: Wednesday, August 14, 2019 2:54:56 PM
Time Spent: 00:03:24
IP Address: 50.54.108.178

Page 1: Survey Instructions

Q1 Contact Information

Name	Scott Bishop
Organization/Agency	Village of Chatfield
Title/Position	Mayor
Email Address	chatfieldmayor@gmail.com

Q2 For which community are you responding?	Village of Chatfield
--	----------------------

Page 2: Crawford County

Q3 Previous Mitigation Action 1: Status (Hazard: Multiple Hazards)Action: Increase communication, coordination and collaboration among community leaders, property owners, local building regulations and zoning authorities to address risk and provide uniformity and consistency in implementing sound mitigation practices.	Respondent skipped this question
---	----------------------------------

Q4 Previous Mitigation Action 1: RatingsAction: Increase communication, coordination and collaboration among community leaders, property owners, local building regulations and zoning authorities to address risk and provide uniformity and consistency in implementing sound mitigation practices.Do you think this mitigation action should be included in the next hazard mitigation plan? If so, please rate the action based on the following categories:	Respondent skipped this question
--	----------------------------------

Q5 Previous Mitigation Action 2: Status (Hazard: Multiple Hazards)Action: Develop a large gathering shelter plan for festivals and other events.	Respondent skipped this question
--	----------------------------------

Crawford County Hazard Mitigation Plan: Previous Mitigation Actions Status and Ratings Matrix

Q136 Previous Mitigation Action 23: RatingsAction: Cities and villages to adopt water conservation measures and standards.Do you think this mitigation action should be included in the next hazard mitigation plan? If so, please rate the action based on the following categories:

Respondent skipped this question

Q137 Previous Mitigation Action 24: Status (Hazard: Earthquake)Action: Provide public awareness and safety procedures during and following an earthquake event.

Respondent skipped this question

Q138 Previous Mitigation Action 24: RatingsAction: Provide public awareness and safety procedures during and following an earthquake event.Do you think this mitigation action should be included in the next hazard mitigation plan? If so, please rate the action based on the following categories:

Respondent skipped this question

Page 5: Village of Chatfield

Q139 Please describe what mitigation activities you would like to see occur in your community as a result of the 2019 Hazard Mitigation Plan.

List mitigation activity.

Adoption and enforcement of land use and zoning practices

Page 6: Village of Crestline

Q140 Previous Mitigation Action 1: Status (Hazard: Multiple Hazards)Action: Increase communication, coordination and collaboration among community leaders, property owners, local building regulations and zoning authorities to address risk and provide uniformity and consistency in implementing sound mitigation practices.

Respondent skipped this question

Q141 Previous Mitigation Action 1: RatingsAction: Increase communication, coordination and collaboration among community leaders, property owners, local building regulations and zoning authorities to address risk and provide uniformity and consistency in implementing sound mitigation practices.Do you think this mitigation action should be included in the next hazard mitigation plan? If so, please rate the action based on the following categories:

Respondent skipped this question

Crawford County Hazard Mitigation Plan: Previous Mitigation Actions Status and Ratings Matrix

Q288 Previous Mitigation Action 1: Ratings
Action: Identify surface water/county tile drainage obstructions for unincorporated areas. Do you think this mitigation action should be included in the next hazard mitigation plan? If so, please rate the action based on the following categories:

Respondent skipped this question

Q289 Previous Mitigation Action 2: Status (Hazard: Flooding)
Action: Evaluate township roads for frequent flood areas in each township.

Respondent skipped this question

Q290 Previous Mitigation Action 2: Ratings
Action: Evaluate township roads for frequent flood areas in each township. Do you think this mitigation action should be included in the next hazard mitigation plan? If so, please rate the action based on the following categories:

Respondent skipped this question

Page 25: Whetstone Township

Q291 Previous Mitigation Action 1: Status (Hazard: Flooding)
Action: Identify surface water/county tile drainage obstructions for unincorporated areas.

Respondent skipped this question

Q292 Previous Mitigation Action 1: Ratings
Action: Identify surface water/county tile drainage obstructions for unincorporated areas. Do you think this mitigation action should be included in the next hazard mitigation plan? If so, please rate the action based on the following categories:

Respondent skipped this question

Q293 Previous Mitigation Action 2: Status (Hazard: Flooding)
Action: Evaluate township roads for frequent flood areas in each township.

Respondent skipped this question

Q294 Previous Mitigation Action 2: Ratings
Action: Evaluate township roads for frequent flood areas in each township. Do you think this mitigation action should be included in the next hazard mitigation plan? If so, please rate the action based on the following categories:

Respondent skipped this question

Page 26: New Mitigation Action Suggestions

Q295 List your recommended mitigation activities below:

Respondent skipped this question



CRAWFORD COUNTY HAZARD MITIGATION PLAN
NEW MITIGATION ACTIONS SCORING MATRIX – VILLAGE OF CHATFIELD

NAME: Scott Bishop

JURISDICTION: Village Of Chatfield

Hazard & Associated Mitigation Action		New or previous mitigation action	Applicable to your jurisdiction?	Cost-Effective	Technically Feasible	Environmentally Sound	Immediate Need	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).	New	No						
2.	Develop/update Continuity of Operations Plans.	New	Yes	5	5	5	3	3	
3.	Provide public education and outreach on disaster preparedness including websites, newsletters, social media, Preparedness Month events, etc.	New	Yes	3	3	5	3	4	
4.	Develop or update Emergency Operation Plans.	New	Yes	3	3	5	3	3	
5.	Maintain an all-hazard outdoor warning siren system, including repairing, replacing, and upgrading.	New	Yes	3	4	5	4	4	
6.	Conduct fire code, building code, zoning, and floodplain management enforcement activities.	New	Yes	4	4	5	4	4	
7.	Prepare public buildings to act as shelters in case of any hazard.	New	Yes	1	3	5	4	4	
8.	Develop a partnership to have places of worship serve as additional shelters.	New	Yes	5	3	5	3	3	
Severe Storms									
1.	Inform residents of the various ways to receive weather alerts.	New	Yes	5	4	5	3	3	
2.	Create a Standard Operating Guideline for the timely clearing of roads from debris caused by severe storms.	New	Yes	5	4	5	3	3	
3.	Install a lightning warning system.	New	Yes	2	3	5	3	3	
4.	Install lightning rods on public buildings.	New	Yes	3	4	5	3	3	
Flooding									
1.	Improve the stormwater management system.	New	Yes	3	4	5	4	4	
2.	Identify and study poor draining areas to control flooding.	New	Yes	3	4	5	5	4	
3.	Repair or replace ditches, culverts, and bridges to control flooding.	New	Yes	3	3	5	3	3	
4.	Identify and study riverbank stabilization opportunities.	New	Yes	3	3	5	4	3	
5.	Provide mitigation option guidance to property owners of Repetitive Loss and Severe Repetitive Loss Structures, such as acquisition, relocation, elevation, non-residential dry flood proofing, and non-residential wet flood proofing.	New	Yes	3	3	5	3	3	
6.	Encourage residents in flood prone areas to purchase flood insurance.	New	Yes	1	3	5	3	3	



Hazard & Associated Mitigation Action		New or previous mitigation action	Applicable to your jurisdiction?	Cost-Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Flooding (continued)									
7.	Modify building codes to encourage water proofing structures.	New	Yes	2	2	5	2	2	
8.	Adopt policies to reduce stormwater runoff.	New	Yes	4	3	5	4	3	
9.	Participate in the Community Rating System (awards communities who exceed NFIP requirements).	New	Yes	3	2	5	2	5	
Tornadoes									
1.	Promote commercial safe rooms for high occupancy uses, such as bars and restaurants.	New	Yes	2	2	5	3	4	
2.	Identify tornado safe locations for residents to seek shelter during tornadoes/high wind events.	New	Yes	4	3	5	4	4	
3.	Promote wind and tornado resistant construction practices.	New	Yes	2	2	5	3	3	
4.	Encourage mobile home parks and other vulnerable communities to have a tornado preparedness plan.	New	No						
Severe Winter Storms									
1.	Begin a public emergency plow telephone hotline for at-risk residents.	New	No						
2.	Promote community shoveling programs to reduce the risk of heart attacks from excessive labor.	New	Yes	5	3	5	3	4	
Utility Failure									
1.	Tree trimming in right of ways along utility lines.	New	Yes	3	3	4	3	3	
2.	Begin a revolving loan program to help residents purchase backup generators.	New	Yes	1	2	5	3	3	
3.	Consider burying utility lines outside of 100-Year flood plains in all new sub-divisions.	New	No						
4.	Promote partnerships between utility companies to reduce the cost of higher-grade wires and burying lines.	New	Yes	2	2	5	3	3	
Hazardous Materials									
1.	Develop a Wellhead Protection Plan.	New	Yes	3	3	5	3	3	
2.	Organize an annual drill to prepare for a disaster involving hazardous materials for emergency service personnel.	New	Yes	3	4	5	4	3	
3.	Report what hazardous materials are being handled on-site and amounts according to regulation.	New	Yes	3	3	5	3	3	
4.	Complete a commodity flow study to identify types and volume of hazardous materials transported via river, pipeline, truck, rail, and plane.	New	Yes	3	3	5	3	3	



Hazard & Associated Mitigation Action		New or previous mitigation action	Applicable to your jurisdiction?	Cost-Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Terrorism									
1.	Encourage critical infrastructure to implement protective measures at their facilities.	New	Yes	2	2	5	3	3	
2.	Coordinate with emergency services to ensure the safety of large public gathering events.	New	Yes	3	3	5	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.	New	Yes	4	3	5	3	3	
4.	Provide free active shooter training or promote free and low cost third-party active shooter training.	New	Yes	4	4	5	3	3	
5.	Seal water wells.	New	Yes	2	2	5	3	3	
6.	Install temporary bollards or fences during high-occupancy outdoor events.	New	No						
Epidemic									
1.	Create public education programs to prevent the spread of contagious diseases.	New	Yes	3	3	5	3	4	
2.	Create a detailed public health plan to prepare for an epidemic.	New	Yes	3	3	5	3	3	
3.	Create a public education program for vaccinations.	New	Yes	4	4	5	3	3	
Drought and Extreme Heat									
1.	Provide guidance and resources for vulnerable populations during extreme temperature events, such as transportation to cooling shelters.	New	No						
2.	Provide guidance and resources on utility assistance programs.	New	Yes	3	3	5	3	3	
3.	Encourage farmers to deepen wells where possible.	New	No						
4.	Encourage farmers to connect watering systems to deep wells.	New	No						
5.	Develop a plan to limit water usage during extreme and prolonged droughts.	New	Yes	3	3	5	3	3	
6.	Install water saving equipment in public buildings.	New	No						
7.	Retrofit water supply and storage systems.	New	Yes	3	3	5	3	2	
8.	Utilize xeriscaping (installation of drought-resistant plants arranged to save water) on public property to reduce water consumption.	New	No						



NEW MITIGATION ACTIONS SCORING MATRIX - VILLAGE OF CHATFIELD

Hazard & Associated Mitigation Action		New or previous mitigation action	Applicable to your jurisdiction?	Cost Effective	Technically Feasible	Environmentally Sound	Immediate Need	Risk Reduction	Comments
Invasive Species									
1.	Implement an invasive species education program that covers associated hazards, identification, behavior, and quarantine procedures.	New	Yes	3	2	5	2	2	
2.	Share information with the public that explains the importance of not importing or exporting firewood.	New	Yes	04	3	5	3	3	
Dam Failure									
1.	Coordinate with ODNR to implement Dam Safety Program.	New	No						
2.	Work with dam owners to develop/update their dam safety plan.	New	No						
3.	Work with dam owners to ensure they are prepared to respond should their dam fail.	New	No						
4.	Model dam failure to identify at-risk areas.	New	No						
5.	Work with local communities to create a dam failure response plan.	New	No						
Wildfire									
1.	Promote public education on smoking hazards and recreational fire risks.	New	Yes	3	4	5	3	3	
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.	New	Yes	3	3	5	3	3	
3.	Develop a wildfire response plan with all fire departments.	New	Yes	3	4	5	3	3	
Earthquakes									
1.	Use community outreach activities to foster an awareness of earthquake mitigation activities in homes, schools, and businesses.	New	No						

Appendix F:

Meeting

Documentation

Village of Crestline Surveys

#1

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Tuesday, July 23, 2019 3:49:20 PM
Last Modified: Tuesday, July 23, 2019 4:02:35 PM
Time Spent: 00:13:15
IP Address: 174.233.24.199

Page 1: Survey Instructions

Q1 Name and Organization

Name	Matthew Henderson
Organization/Agency	Crestline EVSD
Title/Position	Superintendent
Email Address	henderson.matt@crestline.k12.oh.us

Page 2: Goals Survey

Q2 Preventative: To reduce risk and loss of life by implementing activities to give Crawford County citizens as much advance warning as possible of impending natural hazards.

How would you modify this goal, if needed?:
Change "activities" to "processes and procedures"

Q3 Preventative: Coordinate existing plans and strategies already in place to put them to more effective use.

How would you modify this goal, if needed?:
What is the metric for measuring the effective use of the existing plans and strategies ?

Q4 Preventative: Strengthen communication between various communities and agencies throughout the County to make them aware of good, sound mitigation activities and practices.

Keep goal as written with no modifications

Q5 Preventative: Continue to coordinate policies and plans for the protection of critical facilities, services, and infrastructure.

Keep goal as written with no modifications

Q6 Property Protection: To develop practices and implement activities to protect lives and reduce damages to homes, businesses, industries, and agricultural areas of Crawford County.

Keep goal as written with no modifications

Crawford County Hazard Mitigation Plan: Goals and Hazard Priority Survey

Q7 Emergency Services: Continue to support and coordinate emergency services efforts throughout the County and continue to strengthen emergency operation plans at the various Crawford County communities.

Keep goal as written with no modifications

Q8 Structural Projects: Continued maintenance of existing river, stream, and retention dikes and levees.

Keep goal as written with no modifications

Q9 Natural Resource Protection: Continue to rehabilitate, protect, and enhance the natural systems already in place in order to preserve the rich, historical, and agricultural environment found in Crawford County.

Keep goal as written with no modifications

Q10 Public Information: Continue to promote public awareness of the risks associated with natural hazard events.

Keep goal as written with no modifications

Q11 If there is a new goal that should be included, please type that goal below

Respondent skipped this question

Q12 Please provide any additional comments related to these goals in the space below.

Respondent skipped this question

Page 3: Hazard Priorities

Q13 Hazards included in 2014 Plan

Dam Failure	Low-Medium Priority
Drought and Extreme Heat	Medium Priority
Earthquakes	Low-Medium Priority
Epidemic	Medium Priority
Flooding	Highest Priority
Severe Summer Storms	Highest Priority
Severe Winter Storms	Highest Priority
Tornadoes	Highest Priority

Crawford County Hazard Mitigation Plan: Goals and Hazard Priority Survey

Q14 Possible Additional Hazards

Landslides	Lowest Priority
Hazardous Materials	Medium-High Priority
Invasive Species	Lowest Priority
Utility Failure	Medium-High Priority
Wildfire	Low-Medium Priority
Terrorism	Highest Priority
Hurricanes/Tropical Storms	Low-Medium Priority
Mine Subsidence (ground movement due to underground mines)	N/A

Q15 Please provide any additional comments about these hazards.

Respondent skipped this question

Page 4: Survey Complete!

Q16 General Comments

Thank you for including schools in this planning. We look to be involved in all aspects of this process.

#15

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Thursday, August 22, 2019 10:19:41 AM
Last Modified: Friday, August 23, 2019 8:55:02 AM
Time Spent: 22:35:20
IP Address: 208.108.119.59

Page 1: Survey Instructions

Q1 Name and Organization

Name	Matthew Henderson
Organization/Agency	Crestline Exempted Village Schools
Title/Position	Superintendent
Email Address	henderson.matt@crestline.k12.oh.us

Page 2: Goals Survey

Q2 Preventative: To reduce risk and loss of life by implementing activities to give Crawford County citizens as much advance warning as possible of impending natural hazards.

Keep goal as written with no modifications

Q3 Preventative: Coordinate existing plans and strategies already in place to put them to more effective use.

Keep goal as written with no modifications

Q4 Preventative: Strengthen communication between various communities and agencies throughout the County to make them aware of good, sound mitigation activities and practices.

Respondent skipped this question

Q5 Preventative: Continue to coordinate policies and plans for the protection of critical facilities, services, and infrastructure.

Keep goal as written with no modifications

Q6 Property Protection: To develop practices and implement activities to protect lives and reduce damages to homes, businesses, industries, and agricultural areas of Crawford County.

How would you modify this goal, if needed?:
include protection of school district properties and facilities

Crawford County Hazard Mitigation Plan: Goals and Hazard Priority Survey

Q7 Emergency Services: Continue to support and coordinate emergency services efforts throughout the County and continue to strengthen emergency operation plans at the various Crawford County communities.

Keep goal as written with no modifications

Q8 Structural Projects: Continued maintenance of existing river, stream, and retention dikes and levees.

Keep goal as written with no modifications

Q9 Natural Resource Protection: Continue to rehabilitate, protect, and enhance the natural systems already in place in order to preserve the rich, historical, and agricultural environment found in Crawford County.

Keep goal as written with no modifications

Q10 Public Information: Continue to promote public awareness of the risks associated with natural hazard events.

Keep goal as written with no modifications

Q11 If there is a new goal that should be included, please type that goal below

Respondent skipped this question

Q12 Please provide any additional comments related to these goals in the space below.

Respondent skipped this question

Page 3: Hazard Priorities

Q13 Hazards included in 2014 Plan

Dam Failure

N/A

Drought and Extreme Heat

Medium-High Priority

Earthquakes

Low-Medium Priority

Epidemic

Medium-High Priority

Flooding

Medium-High Priority

Severe Summer Storms

Highest Priority

Severe Winter Storms

Highest Priority

Tornadoes

Medium-High Priority

Crawford County Hazard Mitigation Plan: Goals and Hazard Priority Survey

Q14 Possible Additional Hazards

Landslides	Lowest Priority
Hazardous Materials	Medium-High Priority
Invasive Species	Low-Medium Priority
Utility Failure	Highest Priority
Wildfire	Low-Medium Priority
Terrorism	Highest Priority
Hurricanes/Tropical Storms	Lowest Priority
Mine Subsidence (ground movement due to underground mines)	Lowest Priority

Q15 Please provide any additional comments about these hazards.

Respondent skipped this question

Page 4: Survey Complete!

Q16 General Comments

Respondent skipped this question

#8

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Wednesday, August 14, 2019 3:43:25 PM
Last Modified: Wednesday, August 14, 2019 4:26:22 PM
Time Spent: 00:42:57
IP Address: 24.123.140.222

Page 1: Survey Instructions

Q1 Contact Information

Name	John S. Rostash
Organization/Agency	Village of Crestline
Title/Position	Village Administrator
Email Address	jrostash@crestlineoh.com

Q2 For which community are you responding?	Village of Crestline
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Page 2: Crawford County

Q3 Previous Mitigation Action 1: Status (Hazard: Multiple Hazards)Action: Increase communication, coordination and collaboration among community leaders, property owners, local building regulations and zoning authorities to address risk and provide uniformity and consistency in implementing sound mitigation practices.	Respondent skipped this question
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Q4 Previous Mitigation Action 1: RatingsAction: Increase communication, coordination and collaboration among community leaders, property owners, local building regulations and zoning authorities to address risk and provide uniformity and consistency in implementing sound mitigation practices.Do you think this mitigation action should be included in the next hazard mitigation plan? If so, please rate the action based on the following categories:	Respondent skipped this question
---	---

Q5 Previous Mitigation Action 2: Status (Hazard: Multiple Hazards)Action: Develop a large gathering shelter plan for festivals and other events.	Respondent skipped this question
---	---

Crawford County Hazard Mitigation Plan: Previous Mitigation Actions Status and Ratings Matrix

Q136 Previous Mitigation Action 23: RatingsAction: Cities and villages to adopt water conservation measures and standards.Do you think this mitigation action should be included in the next hazard mitigation plan? If so, please rate the action based on the following categories:

Respondent skipped this question

Q137 Previous Mitigation Action 24: Status (Hazard: Earthquake)Action: Provide public awareness and safety procedures during and following an earthquake event.

Respondent skipped this question

Q138 Previous Mitigation Action 24: RatingsAction: Provide public awareness and safety procedures during and following an earthquake event.Do you think this mitigation action should be included in the next hazard mitigation plan? If so, please rate the action based on the following categories:

Respondent skipped this question

Page 5: Village of Chatfield

Q139 Please describe what mitigation activities you would like to see occur in your community as a result of the 2019 Hazard Mitigation Plan.

Respondent skipped this question

Page 6: Village of Crestline

Q140 Previous Mitigation Action 1: Status (Hazard: Multiple Hazards)Action: Increase communication, coordination and collaboration among community leaders, property owners, local building regulations and zoning authorities to address risk and provide uniformity and consistency in implementing sound mitigation practices.

Ongoing (List percent completed or describe progress made below)

,
(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:

The Crawford County EMA continues to increase communication and collaboration by hosting Mitigation Meetings.

Crawford County Hazard Mitigation Plan: Previous Mitigation Actions Status and Ratings Matrix

Q141 Previous Mitigation Action 1: RatingsAction: Increase communication, coordination and collaboration among community leaders, property owners, local building regulations and zoning authorities to address risk and provide uniformity and consistency in implementing sound mitigation practices.Do you think this mitigation action should be included in the next hazard mitigation plan? If so, please rate the action based on the following categories:

Cost Effective	5 (highest possible score, most cost effective)
Technically Feasible	5 (highest possible score, most cost effective)
Environmentally Sound	5 (highest possible score, most cost effective)
Immediate Need	5 (highest possible score, most cost effective)
Total Risk Reduction	4
Comments:	This mitigation action should be continued in the next mitigation plan in order for the plan to be effective.

Q142 Previous Mitigation Action 2: Status (Hazard: Multiple Hazards)Action: Develop a large gathering shelter plan for festivals and other events.

Ongoing (List percent completed or describe progress made below)

,
(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
Many communities in Crawford County host festivals and other large gatherings. A plan to shelter them should be ongoing.

Q143 Previous Mitigation Action 2: RatingsAction: Develop a large gathering shelter plan for festivals and other events.Do you think this mitigation action should be included in the next hazard mitigation plan? If so, please rate the action based on the following categories:

Cost Effective	4
Technically Feasible	4
Environmentally Sound	4
Immediate Need	5 (highest possible score, most cost effective)
Total Risk Reduction	3
Comments:	Many communities in Crawford County host festivals and other large gatherings. A plan to shelter them should be ongoing.

Crawford County Hazard Mitigation Plan: Previous Mitigation Actions Status and Ratings Matrix

Q144 Previous Mitigation Action 3: Status (Hazard: Multiple Hazards)Action: Implement recommendations of feasibility study for upgrading countywide safety service communications.

Ongoing (List percent completed or describe progress made below)

,
(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
I believe this has occurred for the fire departments within the county.

Q145 Previous Mitigation Action 3: RatingsAction: Implement recommendations of feasibility study for upgrading countywide safety service communications.Do you think this mitigation action should be included in the next hazard mitigation plan? If so, please rate the action based on the following categories:

Cost Effective	3
Technically Feasible	4
Environmentally Sound	4
Immediate Need	3
Total Risk Reduction	3
Comments:	none

Q146 Previous Mitigation Action 4: Status (Hazard: Multiple Hazards)Action: Identify and pursue funding options and opportunities to develop and implement local and county natural hazard mitigation activities.

Ongoing (List percent completed or describe progress made below)

,
(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
Many communities have floodplains within their jurisdiction that pose potential hazards.

Q147 Previous Mitigation Action 4: RatingsAction: Identify and pursue funding options and opportunities to develop and implement local and county natural hazard mitigation activities.Do you think this mitigation action should be included in the next hazard mitigation plan? If so, please rate the action based on the following categories:

Cost Effective	5 (highest possible score, most cost effective)
Technically Feasible	5 (highest possible score, most cost effective)
Environmentally Sound	5 (highest possible score, most cost effective)
Immediate Need	5 (highest possible score, most cost effective)
Total Risk Reduction	4
Comments:	Funding for mitigation activities should be sought in the next mitigation plan

Crawford County Hazard Mitigation Plan: Previous Mitigation Actions Status and Ratings Matrix

Q148 Previous Mitigation Action 5: Status (Hazard: Multiple Hazards)Action: Continuance of a First Responders supply depot.

Ongoing (List percent completed or describe progress made below)

,
(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
It would be great to have a central location for supplies.

Q149 Previous Mitigation Action 5: RatingsAction: Continuance of a First Responders supply depot.Do you think this mitigation action should be included in the next hazard mitigation plan? If so, please rate the action based on the following categories:

Cost Effective	4
Technically Feasible	4
Environmentally Sound	5 (highest possible score, most cost effective)
Immediate Need	5 (highest possible score, most cost effective)
Total Risk Reduction	3
Comments:	none

Q150 Previous Mitigation Action 6: Status (Hazard: Multiple Hazards)Action: Encourage underground utility placement and tree maintenance programs in public right of ways.

Ongoing (List percent completed or describe progress made below)

,
(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
Entities should encourage proper tree maintenance and adopt development codes that encourage underground placement of utilities.

Crawford County Hazard Mitigation Plan: Previous Mitigation Actions Status and Ratings Matrix

Q151 Previous Mitigation Action 6: RatingsAction: Encourage underground utility placement and tree maintenance programs in public right of ways.Do you think this mitigation action should be included in the next hazard mitigation plan? If so, please rate the action based on the following categories:

Cost Effective	4
Technically Feasible	4
Environmentally Sound	4
Immediate Need	5 (highest possible score, most cost effective)
Total Risk Reduction	3
Comments:	May not provide total risk reduction however it greatly reduces service interruptions during a storm event.

Q152 Previous Mitigation Action 7: Status (Hazard: Tornadoes)Action: Convert old fire sirens into tornado sirens.

Ongoing (List percent completed or describe progress made below)

,

(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:

I do not know the status of this action in Crawford County.

Q153 Previous Mitigation Action 7: RatingsAction: Convert old fire sirens into tornado sirens.Do you think this mitigation action should be included in the next hazard mitigation plan? If so, please rate the action based on the following categories:

Cost Effective	3
Technically Feasible	3
Environmentally Sound	N/A
Immediate Need	5 (highest possible score, most cost effective)
Total Risk Reduction	3
Comments:	none

Q154 Previous Mitigation Action 8: Status (Hazard: Tornadoes)Action: Continue yearly tornado drills at all schools.

Ongoing (List percent completed or describe progress made below)

,

(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:

Yes. We live in a tornado prone area and the lives of our children are extremely important.

Crawford County Hazard Mitigation Plan: Previous Mitigation Actions Status and Ratings Matrix

Q155 Previous Mitigation Action 8: RatingsAction: Continue yearly tornado drills at all schools.Do you think this mitigation action should be included in the next hazard mitigation plan? If so, please rate the action based on the following categories:

Cost Effective	5 (highest possible score, most cost effective)
Technically Feasible	5 (highest possible score, most cost effective)
Environmentally Sound	5 (highest possible score, most cost effective)
Immediate Need	5 (highest possible score, most cost effective)
Total Risk Reduction	4

Q156 Previous Mitigation Action 9: Status (Hazard: Tornadoes)Action: Provide weather radios to homes that are in sparsely populated areas.

Unchanged (Indicate why below)
(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
Not sure of the status of this.

Q157 Previous Mitigation Action 9: RatingsAction: Provide weather radios to homes that are in sparsely populated areas.Do you think this mitigation action should be included in the next hazard mitigation plan? If so, please rate the action based on the following categories:

Cost Effective	1 (lowest possible score, most expensive)
Technically Feasible	2
Environmentally Sound	1 (lowest possible score, most expensive)
Immediate Need	2
Total Risk Reduction	2
Comments:	I don't know that residents would use them given the accessibility of cell phones.

Q158 Previous Mitigation Action 10: Status (Hazard: Tornadoes)Action: Participate in the Ohio Safe Room Rebate Program.

Ongoing (List percent completed or describe progress made below)
,
(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
I do not know the status of this program.

Crawford County Hazard Mitigation Plan: Previous Mitigation Actions Status and Ratings Matrix

Q159 Previous Mitigation Action 10: RatingsAction: Participate in the Ohio Safe Room Rebate Program.Do you think this mitigation action should be included in the next hazard mitigation plan? If so, please rate the action based on the following categories:

Cost Effective	2
Technically Feasible	4
Environmentally Sound	4
Immediate Need	5 (highest possible score, most cost effective)
Total Risk Reduction	4
Comments:	May be a good program to have in the next plan.

Q160 Previous Mitigation Action 11: Status (Hazard: Tornadoes)Action: Establish NOAA Weather Radio program for festivals, fairgrounds, campgrounds, parks, and recreation areas.

Ongoing (List percent completed or describe progress made below)

,
(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
There are many festivals, parks, campgrounds in Crawford County that could utilize this service.

Q161 Previous Mitigation Action 11: RatingsAction: Establish NOAA Weather Radio program for festivals, fairgrounds, campgrounds, parks, and recreation areas.Do you think this mitigation action should be included in the next hazard mitigation plan? If so, please rate the action based on the following categories:

Cost Effective	2
Technically Feasible	4
Environmentally Sound	4
Immediate Need	5 (highest possible score, most cost effective)
Total Risk Reduction	4

Q162 Previous Mitigation Action 12: Status (Hazard: Tornadoes)Action: Safe room for mobile home parks.

Ongoing (List percent completed or describe progress made below)

,
(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
Crawford County has many mobile home communities.

Crawford County Hazard Mitigation Plan: Previous Mitigation Actions Status and Ratings Matrix

Q163 Previous Mitigation Action 12: RatingsAction: Safe room for mobile home parks.Do you think this mitigation action should be included in the next hazard mitigation plan? If so, please rate the action based on the following categories:

Cost Effective	4
Technically Feasible	5 (highest possible score, most cost effective)
Environmentally Sound	5 (highest possible score, most cost effective)
Immediate Need	5 (highest possible score, most cost effective)
Total Risk Reduction	4

Q164 Previous Mitigation Action 13: Status (Hazard: Flooding)Action: Encourage development of strategies to preserve scenic waterways and open space in and around floodplains.

Ongoing (List percent completed or describe progress made below)

,
(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
The City of Bucyrus utilized this action to great success.

Q165 Previous Mitigation Action 13: RatingsAction: Encourage development of strategies to preserve scenic waterways and open space in and around floodplains.Do you think this mitigation action should be included in the next hazard mitigation plan? If so, please rate the action based on the following categories:

Cost Effective	3
Technically Feasible	5 (highest possible score, most cost effective)
Environmentally Sound	5 (highest possible score, most cost effective)
Immediate Need	5 (highest possible score, most cost effective)
Total Risk Reduction	5 (highest possible score, most cost effective)
Comments:	Preservation of floodplains is tremendous for hazard mitigation.

Q166 Previous Mitigation Action 14: Status (Hazard: Flooding)Action: Pursue mitigation activities and funding for designated flood prone areas.

Ongoing (List percent completed or describe progress made below)

,
(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
Removal of structure in the floodplains is expensive and funding should be sought.

Crawford County Hazard Mitigation Plan: Previous Mitigation Actions Status and Ratings Matrix

Q167 Previous Mitigation Action 14: RatingsAction: Pursue mitigation activities and funding for designated flood prone areas.Do you think this mitigation action should be included in the next hazard mitigation plan? If so, please rate the action based on the following categories:

Cost Effective	5 (highest possible score, most cost effective)
Technically Feasible	5 (highest possible score, most cost effective)
Environmentally Sound	5 (highest possible score, most cost effective)
Immediate Need	5 (highest possible score, most cost effective)
Total Risk Reduction	5 (highest possible score, most cost effective)

Q168 Previous Mitigation Action 15: Status (Hazard: Flooding)Action: Assess and map problem drainage areas.

Ongoing (List percent completed or describe progress made below)

,

(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
Most communities are doing this.

Q169 Previous Mitigation Action 15: RatingsAction: Assess and map problem drainage areas.Do you think this mitigation action should be included in the next hazard mitigation plan? If so, please rate the action based on the following categories:

Cost Effective	4
Technically Feasible	4
Environmentally Sound	4
Immediate Need	5 (highest possible score, most cost effective)
Total Risk Reduction	2

Q170 Previous Mitigation Action 16: Status (Hazard: Flooding)Action: Complete EPA storm/sanitary separation system.

Ongoing (List percent completed or describe progress made below)

,

(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
Requirement of the EPA. The Village of Crestline is mostly separated however there is a lot of stormwater infiltration.

Crawford County Hazard Mitigation Plan: Previous Mitigation Actions Status and Ratings Matrix

Q171 Previous Mitigation Action 16: RatingsAction: Complete EPA storm/sanitary separation system.Do you think this mitigation action should be included in the next hazard mitigation plan? If so, please rate the action based on the following categories:

Cost Effective	1 (lowest possible score, most expensive)
Technically Feasible	2
Environmentally Sound	5 (highest possible score, most cost effective)
Immediate Need	5 (highest possible score, most cost effective)
Total Risk Reduction	4

Q172 Previous Mitigation Action 17: Status (Hazard: Flooding)Action: Investigate and record repetitive flooding areas in cities and villages.

Ongoing (List percent completed or describe progress made below)

,
(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
Part of proper Floodplain
Management.

Q173 Previous Mitigation Action 17: RatingsAction: Investigate and record repetitive flooding areas in cities and villages.Do you think this mitigation action should be included in the next hazard mitigation plan? If so, please rate the action based on the following categories:

Cost Effective	5 (highest possible score, most cost effective)
Technically Feasible	5 (highest possible score, most cost effective)
Environmentally Sound	5 (highest possible score, most cost effective)
Immediate Need	5 (highest possible score, most cost effective)
Total Risk Reduction	4

Q174 Previous Mitigation Action 18: Status (Hazard: Winter Storms)Action: Increase public awareness of severe winter storms.

Ongoing (List percent completed or describe progress made below)

,
(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
I believe the Crawford County EMA is doing a great job of this and alerts are being issued for all severe winter storms.

Crawford County Hazard Mitigation Plan: Previous Mitigation Actions Status and Ratings Matrix

Q175 Previous Mitigation Action 18: RatingsAction: Increase public awareness of severe winter storms.Do you think this mitigation action should be included in the next hazard mitigation plan? If so, please rate the action based on the following categories:

Cost Effective	5 (highest possible score, most cost effective)
Technically Feasible	5 (highest possible score, most cost effective)
Environmentally Sound	5 (highest possible score, most cost effective)
Immediate Need	5 (highest possible score, most cost effective)
Total Risk Reduction	4

Q176 Previous Mitigation Action 19: Status
(Hazard: Drought)Action: Ensure municipalities have enough water supplies.

Unchanged (Indicate why , below)
(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
Not sure of the status of this action. Question seems vague.

Q177 Previous Mitigation Action 19: RatingsAction: Ensure municipalities have enough water supplies.Do you think this mitigation action should be included in the next hazard mitigation plan? If so, please rate the action based on the following categories:

Cost Effective	4
Technically Feasible	5 (highest possible score, most cost effective)
Environmentally Sound	4
Immediate Need	4
Total Risk Reduction	3
Comments:	bottled water can be supplied via trucks or strategically staged

Q178 Previous Mitigation Action 20: Status
(Hazard: Drought)Action: Provide education opportunities to farmers to reduce adverse effects of drought.

Unchanged (Indicate why , below)
(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
unknown status

Crawford County Hazard Mitigation Plan: Previous Mitigation Actions Status and Ratings Matrix

Q179 Previous Mitigation Action 20: RatingsAction: Provide education opportunities to farmers to reduce adverse effects of drought.Do you think this mitigation action should be included in the next hazard mitigation plan? If so, please rate the action based on the following categories:

Cost Effective	5 (highest possible score, most cost effective)
Technically Feasible	5 (highest possible score, most cost effective)
Environmentally Sound	5 (highest possible score, most cost effective)
Immediate Need	5 (highest possible score, most cost effective)
Total Risk Reduction	3

Q180 Previous Mitigation Action 21: Status
(Hazard: Drought)Action: Cities and villages to adopt water conservation measures and standards.

Ongoing (List percent completed or describe progress made below)

,
(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
I believe each community is doing this.

Q181 Previous Mitigation Action 21: RatingsAction: Cities and villages to adopt water conservation measures and standards.Do you think this mitigation action should be included in the next hazard mitigation plan? If so, please rate the action based on the following categories:

Cost Effective	5 (highest possible score, most cost effective)
Technically Feasible	5 (highest possible score, most cost effective)
Environmentally Sound	5 (highest possible score, most cost effective)
Immediate Need	5 (highest possible score, most cost effective)
Total Risk Reduction	3

Q182 Previous Mitigation Action 22: Status
(Hazard: Earthquake)Action: Provide public awareness and safety procedures during and following an earthquake event.

Ongoing (List percent completed or describe progress made below)

,
(Required) Please describe your answer choice. When was the action completed? Why was the action deleted, deferred, or remained unchanged? If the action is ongoing, please list how much progress has been made by either providing a percent or describing the status.:
Ohio does experience earthquakes.

Crawford County Hazard Mitigation Plan: Previous Mitigation Actions Status and Ratings Matrix

Q183 Previous Mitigation Action 22: RatingsAction: Provide public awareness and safety procedures during and following an earthquake event.Do you think this mitigation action should be included in the next hazard mitigation plan? If so, please rate the action based on the following categories:

Cost Effective	5 (highest possible score, most cost effective)
Technically Feasible	5 (highest possible score, most cost effective)
Environmentally Sound	5 (highest possible score, most cost effective)
Immediate Need	3
Total Risk Reduction	3

Page 7: Village of New Washington

Q184 Previous Mitigation Action 1: Status (Hazard: Multiple Hazards)Action: Increase communication, coordination and collaboration among community leaders, property owners, local building regulations and zoning authorities to address risk and provide uniformity and consistency in implementing sound mitigation practices.

Respondent skipped this question

Q185 Previous Mitigation Action 1: RatingsAction: Increase communication, coordination and collaboration among community leaders, property owners, local building regulations and zoning authorities to address risk and provide uniformity and consistency in implementing sound mitigation practices.Do you think this mitigation action should be included in the next hazard mitigation plan? If so, please rate the action based on the following categories:

Respondent skipped this question

Q186 Previous Mitigation Action 2: Status (Hazard: Multiple Hazards)Action: Develop a large gathering shelter plan for festivals and other events.

Respondent skipped this question

Q187 Previous Mitigation Action 2: RatingsAction: Develop a large gathering shelter plan for festivals and other events.Do you think this mitigation action should be included in the next hazard mitigation plan? If so, please rate the action based on the following categories:

Respondent skipped this question

Q188 Previous Mitigation Action 3: Status (Hazard: Multiple Hazards)Action: Implement recommendations of feasibility study for upgrading countywide safety service communications.

Respondent skipped this question

Q294 Previous Mitigation Action 2: RatingsAction:
Evaluate township roads for frequent flood areas in each township.Do you think this mitigation action should be included in the next hazard mitigation plan? If so, please rate the action based on the following categories:

Respondent skipped this question

Page 26: New Mitigation Action Suggestions

Q295 List your recommended mitigation activities below:

Respondent skipped this question



CRAWFORD COUNTY HAZARD MITIGATION PLAN
PREVIOUS MITIGATION ACTIONS STATUS & SCORING MATRIX

VILLAGE OF CRESTLINE

NAME: Nate Henderson

POSITION: Superintendent Crestline Schools

Step 1: Status Update

#	Hazard Type	Mitigation Action	Start Date	End Date	Status	Remarks	Comments
1	Multiple Hazards	Increase communication, coordination and collaboration among community leaders, property owners, local building regulations and zoning authorities to address risk and provide uniformity and consistency in implementing sound mitigation practices.	Oct. 6, 2006	Oct. 7, 2013	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input checked="" type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: <u>50</u>	<u>UNSURE</u>
2	Multiple Hazards	Develop a large gathering shelter plan for festivals and other events.	Oct. 6, 2006	Oct. 7, 2013	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input checked="" type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: <u>50</u>	<u>UNSURE</u>
3	Multiple Hazards	Implement recommendations of feasibility study for upgrading countywide safety service communications.	Oct. 6, 2006	Oct. 7, 2013	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input checked="" type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: <u>50</u>	<u>UNSURE</u>
4	Multiple Hazards	Identify and pursue funding options and opportunities to develop and implement local and county natural hazard mitigation activities.	Oct. 6, 2006	Oct. 7, 2013	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input checked="" type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: <u>50</u>	<u>UNSURE</u>
5	Multiple Hazards	Continuance of a First Responders supply depot.	Oct. 6, 2006	Oct. 7, 2013	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input checked="" type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	<u>UNSURE</u>



CRAWFORD COUNTY HAZARD MITIGATION PLAN
PREVIOUS MITIGATION ACTIONS STATUS & SCORING MATRIX

#	Hazard Type	Mitigation Action	Start Date	End Date	Status	Remarks	Comments
6	Multiple Hazards	Encourage underground utility placement and tree maintenance programs in public right of ways.	Oct. 5, 2006	Oct. 7, 2019	<input checked="" type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input checked="" type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Not certain
7	Tornadoes	Convert old fire sirens into tornado sirens.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input checked="" type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	UNSURE
8	Tornadoes	Continue yearly tornado drills at all schools.	Oct. 6, 2006	Oct. 7, 2017	<input checked="" type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: <u>APRIL 2017</u> Why: _____ Why: _____ Why: _____ % Complete: _____	Mandated by State of Ohio to complete annually
9	Tornadoes	Provide weather radios to homes that are in sparsely populated areas.	Oct. 6, 2006	Oct. 7, 2018	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input checked="" type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	UNSURE
10	Tornadoes	Participate in the Ohio Safe Room Rebate Program	Oct. 6, 2006	Oct. 7, 2018	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input checked="" type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	UNSURE
11	Tornadoes	Establish NOAA Weather Radio program for festivals, fairgrounds, campgrounds, parks, and recreation areas.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input checked="" type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	UNSURE
12	Tornadoes	Safe room for mobile home parks.	Oct. 5, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input checked="" type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	UNSURE
13	Flooding	Encourage development of strategies to preserve scenic waterways and open space in and around floodplains.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input checked="" type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	UNSURE



CRAWFORD COUNTY HAZARD MITIGATION PLAN
PREVIOUS MITIGATION ACTIONS STATUS & SCORING MATRIX

#	Hazard Type	Mitigation Action	Start Date	End Date	Status	Remarks	Comments
24	Flooding	Pursue mitigation activities and funding for designated flood prone areas.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input checked="" type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	Areas still prone to flooding
25	Flooding	Assess and map problem drainage areas	Oct. 6, 2006	Oct. 7, 2017	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input checked="" type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	unsure
16	Flooding	Complete EPA storm/sanitary separation system	Oct. 6, 2006	Oct. 7, 2017	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input checked="" type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	unsure
17	Flooding	Investigate and record repetitive flooding areas in cities and villages.	Oct. 6, 2006	Oct. 7, 2016	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input checked="" type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	unsure
18	Winter Storms	Increase public awareness of severe winter storms.	Oct. 6, 2006	Oct. 7, 2019	<input checked="" type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input type="checkbox"/> Ongoing	When: <u>2014</u> Why: _____ Why: _____ Why: _____ % Complete: _____	multiple communication tools for delivery weather warnings
19	Drought	Ensure municipalities have enough water supplies.	Oct. 6, 2006	Oct. 7, 2017	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input checked="" type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	unsure
20	Drought	Provide education opportunities to farmers to reduce adverse effects of drought.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input checked="" type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	unsure
21	Drought	Cities and villages to adopt water conservation measures and standards.	Oct. 6, 2006	Oct. 7, 2011	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input checked="" type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	unsure



PREVIOUS MITIGATION ACTIONS STATUS & SCORING MATRIX

#	Hazard Type	Mitigation Action	Start Date	End Date	Status	Remarks	Comments
22	Earthquake	Provide public awareness and safety procedures during and following an earthquake event.	Oct. 6, 2006	Oct. 7, 2019	<input type="checkbox"/> Completed <input type="checkbox"/> Deleted <input type="checkbox"/> Deferred <input type="checkbox"/> Unchanged <input checked="" type="checkbox"/> Ongoing	When: _____ Why: _____ Why: _____ Why: _____ % Complete: _____	UNSURE! Not many earthquakes occur here

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	Increase communication, coordination and collaboration among community leaders, property owners, local building regulations and zoning authorities to address risk and provide uniformity and consistency in implementing sound mitigation practices.	Y	5	5	5	5	5	
2	Develop a large gathering shelter plan for festivals and other events.	Y	2	2	5	3	2	
3	Implement recommendations of feasibility study for upgrading countywide safety service communications.	Y	5	5	5	4	4	
4	Identify and pursue funding options and opportunities to develop and implement local and county natural hazard mitigation activities.	Y	5	5	5	3	2	
5	Continuance of a First Responders supply depot.	Y	3	5	5	5	5	
6	Encourage underground utility placement and tree maintenance programs in public right of ways.	N	2	2	2	2	2	



CRAWFORD COUNTY HAZARD MITIGATION PLAN
PREVIOUS MITIGATION ACTIONS STATUS & SCORING MATRIX

#	Hazard & Associated Mitigation Action	Include in Updated Plan? (Y/N)	Cost-Effective	Technically Feasible	Environmentally Sound	Immediate Need	Total Risk Reduction	Comments
7	Convert old fire sirens into tornado sirens	Y	3	5	5	4	5	
8	Continue yearly tornado drills at all schools.	Y	4.5	4.5	4.5	4.5	4.5	Effective, efficient and safe tornado drills with sirens to protect students & staff
9	Provide weather radios to homes that are in sparsely populated areas.	Y	3	5	5	3	3	
10	Participate in the Ohio Safe Room Rebate Program	Y	5	2	2	2	5	
11	Establish NOAA Weather Radio program for festivals, fairgrounds, campgrounds, parks, and recreation areas.	Y	3	3	5	3	3	
12	Safe room for mobile home parks.	Y	2	5	5	2	3	
13	Encourage development of strategies to preserve scenic waterways and open space in and around floodplains.	Y	1	1	1	1	1	
14	Pursue mitigation activities and funding for designated flood prone areas.	Y	3	4	3	4	4	
15	Assess and map problem drainage areas	Y	5	5	5	5	5	
16	Complete EPA storm/sanitary separation system	Y	2	2	2	2	2	



PREVIOUS MITIGATION ACTIONS STATUS & SCORING MATRIX

#	Hazard & Associated Mitigation Action	Include in Updated Plan? (Y/N)	Cost-Effective	Technically Feasible	Environmentally Sound	Immediate Need	Total Risk Reduction	Comments
17	Investigate and record repetitive flooding areas in cities and villages.	Y	3	4	5	4	4	
18	Increase public awareness of severe winter storms.	Y	5	5	5	5	5	
19	Ensure municipalities have enough water supplies.	Y	2	2	2	2	2	
20	Provide education opportunities to farmers to reduce adverse effects of drought.	N	3	3	3	4	3	
21	Cities and villages to adopt water conservation measures and standards.	Y	3	3	5	2	2	
22	Provide public awareness and safety procedures during and following an earthquake event.	N	5	5	5	1	1	

#5

INCOMPLETE

Collector: Crawford1 (Web Link)
Started: Thursday, August 22, 2019 10:21:10 AM
Last Modified: Friday, August 23, 2019 8:55:36 AM
Time Spent: 22:34:25
IP Address: 208.108.119.59

Page 1: Survey Purpose

Q1 Name and Organization

Name	Matthew Henderson
Organization/Agency	Crestline Exempted Village Schools
Title/Position	Superintendent
Email Address	henderson.matt@crestline.k12.oh.us

Page 2: Instructions

Q2 All Hazards: Mitigation Action 1 Action: Develop/update back-up power generation capabilities at critical government facilities (e.g. temporary storm safe locations, community EOCs).If you think this mitigation action is applicable to your jurisdiction, please rate the action based on the following categories and add any additional comments. If you do not think the mitigation action is applicable to your jurisdiction, please indicate "N/A" in the comment box.	Respondent skipped this question
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Q3 All Hazards: Mitigation Action 2 Action: Develop/update Continuity of Operations Plans.If you think this mitigation action is applicable to your jurisdiction, please rate the action based on the following categories and add any additional comments. If you do not think the mitigation action is applicable to your jurisdiction, please indicate "N/A" in the comment box.	Respondent skipped this question
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Q4 All Hazards: Mitigation Action 3 Action: Provide public education and outreach on disaster preparedness including websites, newsletters, social media, Preparedness Month events, etc.If you think this mitigation action is applicable to your jurisdiction, please rate the action based on the following categories and add any additional comments. If you do not think the mitigation action is applicable to your jurisdiction, please indicate "N/A" in the comment box.	Respondent skipped this question
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Crawford County Hazard Mitigation Plan: New Mitigation Actions Scoring Matrix

Q5 All Hazards: Mitigation Action 4Action: Develop or update Emergency Operation Plans.If you think this mitigation action is applicable to your jurisdiction, please rate the action based on the following categories and add any additional comments. If you do not think the mitigation action is applicable to your jurisdiction, please indicate "N/A" in the comment box.

Respondent skipped this question

Q6 All Hazards: Mitigation Action 5Action: Maintain an all-hazard outdoor warning siren system, including repairing, replacing, and upgrading.If you think this mitigation action is applicable to your jurisdiction, please rate the action based on the following categories and add any additional comments. If you do not think the mitigation action is applicable to your jurisdiction, please indicate "N/A" in the comment box.

Respondent skipped this question

Q7 All Hazards: Mitigation Action 6Action: Conduct fire code, building code, zoning, and floodplain management enforcement activities.If you think this mitigation action is applicable to your jurisdiction, please rate the action based on the following categories and add any additional comments. If you do not think the mitigation action is applicable to your jurisdiction, please indicate "N/A" in the comment box.

Respondent skipped this question

Q8 All Hazards: Mitigation Action 7Action: Prepare public buildings to act as shelters in case of any hazard.If you think this mitigation action is applicable to your jurisdiction, please rate the action based on the following categories and add any additional comments. If you do not think the mitigation action is applicable to your jurisdiction, please indicate "N/A" in the comment box.

Respondent skipped this question

Q9 All Hazards: Mitigation Action 8Action: Develop a partnership to have places of worship serve as additional shelters.If you think this mitigation action is applicable to your jurisdiction, please rate the action based on the following categories and add any additional comments. If you do not think the mitigation action is applicable to your jurisdiction, please indicate "N/A" in the comment box.

Respondent skipped this question

Q10 Severe Storms: Mitigation Action 1Action: Inform residents of the various ways to receive weather alerts.If you think this mitigation action is applicable to your jurisdiction, please rate the action based on the following categories and add any additional comments. If you do not think the mitigation action is applicable to your jurisdiction, please indicate "N/A" in the comment box.

Respondent skipped this question

Crawford County Hazard Mitigation Plan: New Mitigation Actions Scoring Matrix

Q11 Severe Storms: Mitigation Action 2Action: Create a Standard Operating Guideline for the timely clearing of roads from debris caused by severe storms.If you think this mitigation action is applicable to your jurisdiction, please rate the action based on the following categories and add any additional comments. If you do not think the mitigation action is applicable to your jurisdiction, please indicate "N/A" in the comment box.

Respondent skipped this question

Q12 Severe Storms: Mitigation Action 3Action: Install a lightning warning system.If you think this mitigation action is applicable to your jurisdiction, please rate the action based on the following categories and add any additional comments. If you do not think the mitigation action is applicable to your jurisdiction, please indicate "N/A" in the comment box.

Respondent skipped this question

Q13 Severe Storms: Mitigation Action 4Action: Install lightning rods on public buildings.If you think this mitigation action is applicable to your jurisdiction, please rate the action based on the following categories and add any additional comments. If you do not think the mitigation action is applicable to your jurisdiction, please indicate "N/A" in the comment box.

Respondent skipped this question

Q14 Flooding: Mitigation Action 1Action: Improve the stormwater management system.If you think this mitigation action is applicable to your jurisdiction, please rate the action based on the following categories and add any additional comments. If you do not think the mitigation action is applicable to your jurisdiction, please indicate "N/A" in the comment box.

Respondent skipped this question

Q15 Flooding: Mitigation Action 2Action: Identify and study poor draining areas to control flooding.If you think this mitigation action is applicable to your jurisdiction, please rate the action based on the following categories and add any additional comments. If you do not think the mitigation action is applicable to your jurisdiction, please indicate "N/A" in the comment box.

Respondent skipped this question

Q16 Flooding: Mitigation Action 3Action: Repair or replace ditches, culverts, and bridges to control flooding.If you think this mitigation action is applicable to your jurisdiction, please rate the action based on the following categories and add any additional comments. If you do not think the mitigation action is applicable to your jurisdiction, please indicate "N/A" in the comment box.

Respondent skipped this question

Crawford County Hazard Mitigation Plan: New Mitigation Actions Scoring Matrix

Q17 Flooding: Mitigation Action 4Action: Identify and study riverbank stabilization opportunities.If you think this mitigation action is applicable to your jurisdiction, please rate the action based on the following categories and add any additional comments. If you do not think the mitigation action is applicable to your jurisdiction, please indicate "N/A" in the comment box.

Respondent skipped this question

Q18 Flooding: Mitigation Action 5Action: Provide mitigation option guidance to property owners of Repetitive Loss and Severe Repetitive Loss Structures, such as acquisition, relocation, elevation, non-residential dry flood proofing, and non-residential wet flood proofing.If you think this mitigation action is applicable to your jurisdiction, please rate the action based on the following categories and add any additional comments. If you do not think the mitigation action is applicable to your jurisdiction, please indicate "N/A" in the comment box.

Respondent skipped this question

Q19 Flooding: Mitigation Action 6Action: Encourage residents in flood prone areas to purchase flood insurance.If you think this mitigation action is applicable to your jurisdiction, please rate the action based on the following categories and add any additional comments. If you do not think the mitigation action is applicable to your jurisdiction, please indicate "N/A" in the comment box.

Respondent skipped this question

Q20 Flooding: Mitigation Action 7Action: Modify building codes to encourage water proofing structures.If you think this mitigation action is applicable to your jurisdiction, please rate the action based on the following categories and add any additional comments. If you do not think the mitigation action is applicable to your jurisdiction, please indicate "N/A" in the comment box.

Respondent skipped this question

Q21 Flooding: Mitigation Action 8Action: Adopt policies to reduce stormwater runoff.If you think this mitigation action is applicable to your jurisdiction, please rate the action based on the following categories and add any additional comments. If you do not think the mitigation action is applicable to your jurisdiction, please indicate "N/A" in the comment box.

Respondent skipped this question

Crawford County Hazard Mitigation Plan: New Mitigation Actions Scoring Matrix

Q22 Flooding: Mitigation Action 9 Action: Participate in the Community Rating System (awards communities who exceed NFIP requirements). If you think this mitigation action is applicable to your jurisdiction, please rate the action based on the following categories and add any additional comments. If you do not think the mitigation action is applicable to your jurisdiction, please indicate "N/A" in the comment box.

Respondent skipped this question

Q23 Tornadoes: Mitigation Action 1 Action: Promote commercial safe rooms for high occupancy uses, such as bars and restaurants. If you think this mitigation action is applicable to your jurisdiction, please rate the action based on the following categories and add any additional comments. If you do not think the mitigation action is applicable to your jurisdiction, please indicate "N/A" in the comment box.

Respondent skipped this question

Q24 Tornadoes: Mitigation Action 2 Action: Identify tornado safe locations for residents to seek shelter during tornadoes/high wind events. If you think this mitigation action is applicable to your jurisdiction, please rate the action based on the following categories and add any additional comments. If you do not think the mitigation action is applicable to your jurisdiction, please indicate "N/A" in the comment box.

Respondent skipped this question

Q25 Tornadoes: Mitigation Action 3 Action: Promote wind and tornado resistant construction practices. If you think this mitigation action is applicable to your jurisdiction, please rate the action based on the following categories and add any additional comments. If you do not think the mitigation action is applicable to your jurisdiction, please indicate "N/A" in the comment box.

Respondent skipped this question

Q26 Tornadoes: Mitigation Action 4 Action: Encourage mobile home parks and other vulnerable communities to have a tornado preparedness plan. If you think this mitigation action is applicable to your jurisdiction, please rate the action based on the following categories and add any additional comments. If you do not think the mitigation action is applicable to your jurisdiction, please indicate "N/A" in the comment box.

Respondent skipped this question

Crawford County Hazard Mitigation Plan: New Mitigation Actions Scoring Matrix

Q27 Severe Winter Storms: Mitigation Action

1Action: Begin a public emergency plow telephone hotline for at-risk residents.If you think this mitigation action is applicable to your jurisdiction, please rate the action based on the following categories and add any additional comments. If you do not think the mitigation action is applicable to your jurisdiction, please indicate "N/A" in the comment box.

Respondent skipped this question

Q28 Severe Winter Storms: Mitigation Action

2Action: Promote community shoveling programs to reduce the risk of heart attacks from excessive labor.If you think this mitigation action is applicable to your jurisdiction, please rate the action based on the following categories and add any additional comments. If you do not think the mitigation action is applicable to your jurisdiction, please indicate "N/A" in the comment box.

Respondent skipped this question

Q29 Utility Failure: Mitigation Action 1Action: Tree trimming in right of ways along utility lines.If you think this mitigation action is applicable to your jurisdiction, please rate the action based on the following categories and add any additional comments. If you do not think the mitigation action is applicable to your jurisdiction, please indicate "N/A" in the comment box.

Respondent skipped this question

Q30 Utility Failure: Mitigation Action 2Action: Begin a revolving loan program to help residents purchase backup generators. If you think this mitigation action is applicable to your jurisdiction, please rate the action based on the following categories and add any additional comments. If you do not think the mitigation action is applicable to your jurisdiction, please indicate "N/A" in the comment box.

Respondent skipped this question

Q31 Utility Failure: Mitigation Action 3Action: Consider burying utility lines outside of 100-Year flood plains in all new sub-divisions.If you think this mitigation action is applicable to your jurisdiction, please rate the action based on the following categories and add any additional comments. If you do not think the mitigation action is applicable to your jurisdiction, please indicate "N/A" in the comment box.

Respondent skipped this question

Crawford County Hazard Mitigation Plan: New Mitigation Actions Scoring Matrix

Q32 Utility Failure: Mitigation Action 4Action: Promote partnerships between utility companies to reduce the cost of higher-grade wires and burying lines.If you think this mitigation action is applicable to your jurisdiction, please rate the action based on the following categories and add any additional comments. If you do not think the mitigation action is applicable to your jurisdiction, please indicate "N/A" in the comment box.

Respondent skipped this question

Q33 Hazardous Materials: Mitigation Action 1Action: Develop a Wellhead Protection Plan.If you think this mitigation action is applicable to your jurisdiction, please rate the action based on the following categories and add any additional comments. If you do not think the mitigation action is applicable to your jurisdiction, please indicate "N/A" in the comment box.

Respondent skipped this question

Q34 Hazardous Materials: Mitigation Action 2Action: Organize an annual drill to prepare for a disaster involving hazardous materials for emergency service personnel.If you think this mitigation action is applicable to your jurisdiction, please rate the action based on the following categories and add any additional comments. If you do not think the mitigation action is applicable to your jurisdiction, please indicate "N/A" in the comment box.

Respondent skipped this question

Q35 Hazardous Materials: Mitigation Action 3Action: Report what hazardous materials are being handled on-site and amounts according to regulation.If you think this mitigation action is applicable to your jurisdiction, please rate the action based on the following categories and add any additional comments. If you do not think the mitigation action is applicable to your jurisdiction, please indicate "N/A" in the comment box.

Respondent skipped this question

Q36 Hazardous Materials: Mitigation Action 4Action: Complete a commodity flow study to identify types and volume of hazardous materials transported via river, pipeline, truck, rail, and plane.If you think this mitigation action is applicable to your jurisdiction, please rate the action based on the following categories and add any additional comments. If you do not think the mitigation action is applicable to your jurisdiction, please indicate "N/A" in the comment box.

Respondent skipped this question

Crawford County Hazard Mitigation Plan: New Mitigation Actions Scoring Matrix

Q37 Terrorism: Mitigation Action 1Action: Encourage critical infrastructure to implement protective measures at their facilities.If you think this mitigation action is applicable to your jurisdiction, please rate the action based on the following categories and add any additional comments. If you do not think the mitigation action is applicable to your jurisdiction, please indicate "N/A" in the comment box.

Respondent skipped this question

Q38 Terrorism: Mitigation Action 2Action: Coordinate with emergency services to ensure the safety of large public gathering events.If you think this mitigation action is applicable to your jurisdiction, please rate the action based on the following categories and add any additional comments. If you do not think the mitigation action is applicable to your jurisdiction, please indicate "N/A" in the comment box.

Respondent skipped this question

Q39 Terrorism: Mitigation Action 3Action: 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.If you think this mitigation action is applicable to your jurisdiction, please rate the action based on the following categories and add any additional comments. If you do not think the mitigation action is applicable to your jurisdiction, please indicate "N/A" in the comment box.

Respondent skipped this question

Q40 Terrorism: Mitigation Action 4Action: Provide free active shooter training or promote free and low cost third-party active shooter training.If you think this mitigation action is applicable to your jurisdiction, please rate the action based on the following categories and add any additional comments. If you do not think the mitigation action is applicable to your jurisdiction, please indicate "N/A" in the comment box.

Respondent skipped this question

Q41 Terrorism: Mitigation Action 5Action: Seal water wells.If you think this mitigation action is applicable to your jurisdiction, please rate the action based on the following categories and add any additional comments. If you do not think the mitigation action is applicable to your jurisdiction, please indicate "N/A" in the comment box.

Respondent skipped this question

Crawford County Hazard Mitigation Plan: New Mitigation Actions Scoring Matrix

Q42 Terrorism: Mitigation Action 6Action: Install temporary bollards or fences during high-occupancy outdoor events.If you think this mitigation action is applicable to your jurisdiction, please rate the action based on the following categories and add any additional comments. If you do not think the mitigation action is applicable to your jurisdiction, please indicate "N/A" in the comment box.

Respondent skipped this question

Q43 Epidemic: Mitigation Action 1Action: Create public education programs to prevent the spread of contagious diseases.If you think this mitigation action is applicable to your jurisdiction, please rate the action based on the following categories and add any additional comments. If you do not think the mitigation action is applicable to your jurisdiction, please indicate "N/A" in the comment box.

Respondent skipped this question

Q44 Epidemic: Mitigation Action 2Action: Create a detailed public health plan to prepare for an epidemic.If you think this mitigation action is applicable to your jurisdiction, please rate the action based on the following categories and add any additional comments. If you do not think the mitigation action is applicable to your jurisdiction, please indicate "N/A" in the comment box.

Respondent skipped this question

Q45 Epidemic: Mitigation Action 3Action: Create a public education program for vaccinations.If you think this mitigation action is applicable to your jurisdiction, please rate the action based on the following categories and add any additional comments. If you do not think the mitigation action is applicable to your jurisdiction, please indicate "N/A" in the comment box.

Respondent skipped this question

Q46 Drought and Extreme Heat: Mitigation Action 1Action: Provide guidance and resources for vulnerable populations during extreme temperature events, such as transportation to cooling shelters.If you think this mitigation action is applicable to your jurisdiction, please rate the action based on the following categories and add any additional comments. If you do not think the mitigation action is applicable to your jurisdiction, please indicate "N/A" in the comment box.

Respondent skipped this question

Crawford County Hazard Mitigation Plan: New Mitigation Actions Scoring Matrix

Q47 Drought and Extreme Heat: Mitigation Action
2Action: Provide guidance and resources on utility assistance programs.If you think this mitigation action is applicable to your jurisdiction, please rate the action based on the following categories and add any additional comments. If you do not think the mitigation action is applicable to your jurisdiction, please indicate "N/A" in the comment box.

Respondent skipped this question

Q48 Drought and Extreme Heat: Mitigation Action
3Action: Encourage farmers to deepen wells where possible.If you think this mitigation action is applicable to your jurisdiction, please rate the action based on the following categories and add any additional comments. If you do not think the mitigation action is applicable to your jurisdiction, please indicate "N/A" in the comment box.

Respondent skipped this question

Q49 Drought and Extreme Heat: Mitigation Action
4Action: Encourage farmers to connect watering systems to deep wells.If you think this mitigation action is applicable to your jurisdiction, please rate the action based on the following categories and add any additional comments. If you do not think the mitigation action is applicable to your jurisdiction, please indicate "N/A" in the comment box.

Respondent skipped this question

Q50 Drought and Extreme Heat: Mitigation Action
5Action: Develop a plan to limit water usage during extreme and prolonged droughts.If you think this mitigation action is applicable to your jurisdiction, please rate the action based on the following categories and add any additional comments. If you do not think the mitigation action is applicable to your jurisdiction, please indicate "N/A" in the comment box.

Respondent skipped this question

Q51 Drought and Extreme Heat: Mitigation Action
6Action: Install water saving equipment in public buildings.If you think this mitigation action is applicable to your jurisdiction, please rate the action based on the following categories and add any additional comments. If you do not think the mitigation action is applicable to your jurisdiction, please indicate "N/A" in the comment box.

Respondent skipped this question

Crawford County Hazard Mitigation Plan: New Mitigation Actions Scoring Matrix

Q52 Drought and Extreme Heat: Mitigation Action 7Action: Retrofit water supply and storage systems.If you think this mitigation action is applicable to your jurisdiction, please rate the action based on the following categories and add any additional comments. If you do not think the mitigation action is applicable to your jurisdiction, please indicate "N/A" in the comment box.

Respondent skipped this question

Q53 Drought and Extreme Heat: Mitigation Action 8Action: Utilize xeriscaping (installation of drought-resistant plants arranged to save water) on public property to reduce water consumption.If you think this mitigation action is applicable to your jurisdiction, please rate the action based on the following categories and add any additional comments. If you do not think the mitigation action is applicable to your jurisdiction, please indicate "N/A" in the comment box.

Respondent skipped this question

Q54 Invasive Species: Mitigation Action 1Action: Implement an invasive species education program that covers associated hazards, identification, behavior, and quarantine procedures.If you think this mitigation action is applicable to your jurisdiction, please rate the action based on the following categories and add any additional comments. If you do not think the mitigation action is applicable to your jurisdiction, please indicate "N/A" in the comment box.

Respondent skipped this question

Q55 Invasive Species: Mitigation Action 2Action: Share information with the public that explains the importance of not importing or exporting firewood.If you think this mitigation action is applicable to your jurisdiction, please rate the action based on the following categories and add any additional comments. If you do not think the mitigation action is applicable to your jurisdiction, please indicate "N/A" in the comment box.

Respondent skipped this question

Q56 Dam Failure: Mitigation Action 1Action: Coordinate with ODNR to implement Dam Safety Program.If you think this mitigation action is applicable to your jurisdiction, please rate the action based on the following categories and add any additional comments. If you do not think the mitigation action is applicable to your jurisdiction, please indicate "N/A" in the comment box.

Respondent skipped this question

Crawford County Hazard Mitigation Plan: New Mitigation Actions Scoring Matrix

Q57 Dam Failure: Mitigation Action 2Action: Work with dam owners to develop/update their dam safety plan.If you think this mitigation action is applicable to your jurisdiction, please rate the action based on the following categories and add any additional comments. If you do not think the mitigation action is applicable to your jurisdiction, please indicate "N/A" in the comment box.

Respondent skipped this question

Q58 Dam Failure: Mitigation Action 3Action: Work with dam owners to ensure they are prepared to respond should their dam fail.If you think this mitigation action is applicable to your jurisdiction, please rate the action based on the following categories and add any additional comments. If you do not think the mitigation action is applicable to your jurisdiction, please indicate "N/A" in the comment box.

Respondent skipped this question

Q59 Dam Failure: Mitigation Action 4Action: Model dam failure to identify at-risk areas.If you think this mitigation action is applicable to your jurisdiction, please rate the action based on the following categories and add any additional comments. If you do not think the mitigation action is applicable to your jurisdiction, please indicate "N/A" in the comment box.

Respondent skipped this question

Q60 Dam Failure: Mitigation Action 5Action: Work with local communities to create a dam failure response plan.If you think this mitigation action is applicable to your jurisdiction, please rate the action based on the following categories and add any additional comments. If you do not think the mitigation action is applicable to your jurisdiction, please indicate "N/A" in the comment box.

Respondent skipped this question

Q61 Wildfire: Mitigation Action 1Action: Promote public education on smoking hazards and recreational fire risks.If you think this mitigation action is applicable to your jurisdiction, please rate the action based on the following categories and add any additional comments. If you do not think the mitigation action is applicable to your jurisdiction, please indicate "N/A" in the comment box.

Respondent skipped this question

Crawford County Hazard Mitigation Plan: New Mitigation Actions Scoring Matrix

Q62 Wildfire: Mitigation Action 2 Action: Provide public education on extreme fire danger and red flag warnings, including what it means and what actions to take when it is issued. If you think this mitigation action is applicable to your jurisdiction, please rate the action based on the following categories and add any additional comments. If you do not think the mitigation action is applicable to your jurisdiction, please indicate "N/A" in the comment box.

Respondent skipped this question

Q63 Wildfire: Mitigation Action 3 Action: Develop a wildfire response plan with all fire departments. If you think this mitigation action is applicable to your jurisdiction, please rate the action based on the following categories and add any additional comments. If you do not think the mitigation action is applicable to your jurisdiction, please indicate "N/A" in the comment box.

Respondent skipped this question

Q64 Earthquakes: Mitigation Action 1 Action: Use community outreach activities to foster an awareness of earthquake mitigation activities in homes, schools, and businesses. If you think this mitigation action is applicable to your jurisdiction, please rate the action based on the following categories and add any additional comments. If you do not think the mitigation action is applicable to your jurisdiction, please indicate "N/A" in the comment box.

Respondent skipped this question

Page 3: Additional Mitigation Actions (Suggest Your Own)

Q65 Rate and describe any additional mitigation actions you would like to see in your community below.

Respondent skipped this question

Q66 Rate and describe any additional mitigation actions you would like to see in your community below.

Respondent skipped this question

Q67 Rate and describe any additional mitigation actions you would like to see in your community below.

Respondent skipped this question

From: [Crawford County EMA](#)
To: [Anna Van Der Zwaag](#)
Subject: FW: Mitigation
Date: Tuesday, September 3, 2019 3:57:40 PM

From: John Rostash <jrostash@crestlineoh.com>
Sent: Tuesday, September 3, 2019 3:28 PM
To: Crawford County EMA <ccema@crawford-co.org>
Subject: RE: Mitigation

Not at this time Kirk.

Best Regards,

John S. Rostash
Village Administrator
Village of Crestline
100 N. Seltzer Street
Crestline, OH 44827
(419) 683-3800
jrostash@crestlineoh.com
www.crestlineoh.com

From: Crawford County EMA <ccema@crawford-co.org>
Sent: Tuesday, September 03, 2019 1:37 PM
To: John Rostash <jrostash@crestlineoh.com>
Subject: Mitigation

John,

Do you have any projects other than listed, that you would like to see added into the plan? Let us know. Thanks Kirk

This email has been scanned by SecureGuardian for viruses, phishing, and malware. On request of the sender, ES|Consulting may have automatically archived this email. For more information please contact support@esconsult.net.

#3

INCOMPLETE

Collector: Web Link 1 (Web Link)
Started: Friday, September 06, 2019 2:04:07 PM
Last Modified: Friday, September 06, 2019 2:06:01 PM
Time Spent: 00:01:53
IP Address: 174.105.105.250

Page 2: Contact Information

Q1 Reviewer's Name

kim polito

Q2 Reviewer's Jurisdiction

crestline

Q3 Reviewer's Phone Number

419 683 3355 office

Q4 Reviewer's Email Address

crestlineadvocate@twcbc.com

Page 3: Plan Review

Q5 Please enter the specific plan page number and section, and then provide your comment.

Respondent skipped this question

Q6 Do you have additional specific comments? (Select "Yes" to provide additional specific comments by page number/section; select "No" to move on to providing general comments.)

Respondent skipped this question

Page 4: Plan Review

Q7 Please enter the specific plan page number and section, and then provide your comment.

Respondent skipped this question

Crawford County Hazard Mitigation Plan: Community Feedback Survey

Q8 Do you have additional specific comments? (Select "Yes" to provide additional specific comments by page number/section; select "No" to move on to providing general comments.)

Respondent skipped this question

Page 5: Plan Review

Q9 Please enter the specific plan page number and section, and then provide your comment.

Respondent skipped this question

Q10 Do you have additional specific comments? (Select "Yes" to provide additional specific comments by page number/section; select "No" to move on to providing general comments.)

Respondent skipped this question

Page 6: Plan Review

Q11 Please enter the specific plan page number and section, and then provide your comment.

Respondent skipped this question

Q12 Do you have additional specific comments? (Select "Yes" to provide additional specific comments by page number/section; select "No" to move on to providing general comments.)

Respondent skipped this question

Page 7: Plan Review

Q13 Please enter the specific plan page number and section, and then provide your comment.

Respondent skipped this question

Q14 Do you have additional specific comments? (Select "Yes" to provide additional specific comments by page number/section; select "No" to move on to providing general comments.)

Respondent skipped this question

Page 8: Plan Review

Q15 Please enter the specific plan page number and section, and then provide your comment.

Respondent skipped this question

Q16 Do you have additional specific comments? (Select "Yes" to provide additional specific comments by page number/section; select "No" to move on to providing general comments.)

Respondent skipped this question

Page 9: Plan Review

Q17 Please enter the specific plan page number and section, and then provide your comment.

Respondent skipped this question

Q18 Do you have additional specific comments? (Select "Yes" to provide additional specific comments by page number/section; select "No" to move on to providing general comments.)

Respondent skipped this question

Page 10: Plan Review

Q19 Please enter the specific plan page number and section, and then provide your comment.

Respondent skipped this question

Page 11: General Comments

Q20 Please enter your general comments here.

Respondent skipped this question

#4

COMPLETE

Collector: Web Link 1 (Web Link)
Started: Friday, September 06, 2019 2:41:56 PM
Last Modified: Friday, September 06, 2019 2:56:19 PM
Time Spent: 00:14:23
IP Address: 208.108.119.59

Page 2: Contact Information

Q1 Reviewer's Name

Matt Henderson

Q2 Reviewer's Jurisdiction

Crestline

Q3 Reviewer's Phone Number

419 683-3647

Q4 Reviewer's Email Address

henderson.matt@crestline.k12.oh.us

Page 3: Plan Review

Q5 Please enter the specific plan page number and section, and then provide your comment.

Respondent skipped this question

Q6 Do you have additional specific comments? (Select "Yes" to provide additional specific comments by page number/section; select "No" to move on to providing general comments.)

No

Page 4: Plan Review

Q7 Please enter the specific plan page number and section, and then provide your comment.

Respondent skipped this question

Crawford County Hazard Mitigation Plan: Community Feedback Survey

Q8 Do you have additional specific comments? (Select "Yes" to provide additional specific comments by page number/section; select "No" to move on to providing general comments.)

Respondent skipped this question

Page 5: Plan Review

Q9 Please enter the specific plan page number and section, and then provide your comment.

Respondent skipped this question

Q10 Do you have additional specific comments? (Select "Yes" to provide additional specific comments by page number/section; select "No" to move on to providing general comments.)

Respondent skipped this question

Page 6: Plan Review

Q11 Please enter the specific plan page number and section, and then provide your comment.

Respondent skipped this question

Q12 Do you have additional specific comments? (Select "Yes" to provide additional specific comments by page number/section; select "No" to move on to providing general comments.)

Respondent skipped this question

Page 7: Plan Review

Q13 Please enter the specific plan page number and section, and then provide your comment.

Respondent skipped this question

Q14 Do you have additional specific comments? (Select "Yes" to provide additional specific comments by page number/section; select "No" to move on to providing general comments.)

Respondent skipped this question

Page 8: Plan Review

Q15 Please enter the specific plan page number and section, and then provide your comment.

Respondent skipped this question

Q16 Do you have additional specific comments? (Select "Yes" to provide additional specific comments by page number/section; select "No" to move on to providing general comments.)

Respondent skipped this question

Page 9: Plan Review

Q17 Please enter the specific plan page number and section, and then provide your comment.

Respondent skipped this question

Q18 Do you have additional specific comments? (Select "Yes" to provide additional specific comments by page number/section; select "No" to move on to providing general comments.)

Respondent skipped this question

Page 10: Plan Review

Q19 Please enter the specific plan page number and section, and then provide your comment.

Respondent skipped this question

Page 11: General Comments

Q20 Please enter your general comments here.

The plan in its current form addresses my concerns as a school superintendent. Although I recognize that every potential situation cannot be planned for, this plan helps with addressing what we can foresee.
