

**FRANKLIN COUNTY, OHIO**

**MULTI-  
JURISDICTIONAL  
HAZARD MITIGATION  
PLAN**



**Appendices**

**DRAFT**

**SEPTEMBER 2023**

## APPENDIX A. ADOPTION RESOLUTIONS

Franklin County adoption resolutions will be included in this appendix upon receipt of the Federal Emergency Management Agency (FEMA) Approval Pending Adoption (APA) status. This appendix also includes an example resolution to be submitted by Franklin County authorizing adoption of the Franklin County Hazard Mitigation Plan Update.

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**RESOLUTION NO. XXXX-XX**

**A RESOLUTION OF THE Governing Body OF THE Jurisdiction Name**

**AUTHORIZING THE ADOPTION OF THE**

**2023 FRANKLIN COUNTY HAZARD MITIGATION ACTION PLAN UPDATE**

**WHEREAS**, Franklin County has exposure to natural hazards that increase the risk to life, property, environment, and the County and local economy; and

**WHEREAS**; pro-active mitigation of known hazards before a disaster event can reduce or eliminate long-term risk to life and property; and

**WHEREAS**, The Disaster Mitigation Act of 2000 (Public Law 106-390) established new requirements for pre and post disaster hazard mitigation programs; and

**WHEREAS**; a coalition between Franklin County and Ohio State with like planning objectives has been formed to pool resources and create consistent mitigation strategies within the Planning Area; and

**WHEREAS**, the coalition has completed a planning process that engages the public, assesses the risk and vulnerability to the impacts of natural hazards, develops a mitigation strategy consistent with a set of uniform goals and objectives, and creates a plan for implementing, evaluating and revising this strategy;

**NOW, THEREFORE, BE IT RESOLVED** that the [jurisdiction name]:

1. Adopts in its entirety, the 2023 Franklin County Hazard Mitigation Plan (the "Plan") as the jurisdiction's Hazard Mitigation Plan and resolves to execute the actions identified in the Plan that pertain to this jurisdiction.
2. Will use the adopted and approved portions of the Plan to guide pre- and post-disaster mitigation of the hazards identified.
3. Will coordinate the strategies identified in the Plan with other planning programs and mechanisms under its jurisdictional authority.
4. Will continue its support of the Planning Team as described within the Plan.
5. Will help to promote and support the mitigation successes of all participants in this Plan.
6. Will incorporate mitigation planning as an integral component of government and partner operations.
7. Will provide an update of the Plan in conjunction with the County no less than every five years.

PASSED AND ADOPTED on this X<sup>st</sup>, X<sup>nd</sup>, X<sup>rd</sup>, X<sup>th</sup> day of MONTH, YEAR, by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

\_\_\_\_\_  
Mayor, City/Village of \_\_\_\_\_

ATTEST: \_\_\_\_\_

Clerk, City/Village of \_\_\_\_\_

## APPENDIX B. PARTICIPATION MATRIX

The matrix in Appendix B is intended to give a broad overview of FEMA, the State of Ohio, county, municipal and stakeholder personnel that participated in the Franklin County HMP update planning process. Meeting attendees and input provided are also included. All participants were encouraged to attend the kick-off meeting and mitigation workshop. During the planning process the consultant contacted each participant to offer support, explain the process, and facilitate the submittal and review of critical documents.

Participation is defined as having input to the hazard analysis (providing critical facility, hazard event, vulnerability data), and as having participated in the mitigation workshop or alternate annex meetings as described in the HMP for the purpose of creating a mitigation strategy to be included in each jurisdictional annex in Section 9. A list of participating jurisdictions and representatives is found in Table B-1.

A number of stakeholders were invited to participate in the planning process. Stakeholders were invited to meetings, asked to complete a stakeholder survey, requested to provide input on their involvement in Planning Area, and review and comment on the draft plan. A list of stakeholders and their participation is found in Table B-2.

In preparation for the draft plan public review, each jurisdiction was asked to have their 'mitigation team' review their annex to ensure it was complete and accurate for posting to Franklin County's HMP website (<https://www.franklincountyohhmp.com/>).

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Table B- 1: Participation Matrix

Jurisdiction	Name	Title / Position	Attended Pre-Kick Off Meeting (10/7/22)	Attended CPT Mtg #1 (11/7/22)	Attended PT Mtg #1 (11/18/22)	Attended CPT Mtg #2 (1/05/23)	Attended CPT Mtg #3 (04/14/23)	Attended CPT Mtg #4 (04/25/23)	Attended Risk Assessment and Mitigation Strategy Workshop (04/27/23)	Attended Draft Plan Review Meeting (06/14/23)	Feedback provided	Steering Committee Member	Planning Team Member
Franklin County	Darrel Koerber	EM&HS Deputy Director	X	X		X						X	X
Franklin County	Matt Brown	Planning Administrator		X		X	X					X	X
Franklin County	Connor Robb	EM&HS Specialist	X	X	X	X			X	X	X	X	X
Franklin County	Jeff Young	EM&HS Director	X	X	X	X	X	X	X	X		X	X
Franklin County	Kelly McGuire	PIO				X	X	X		X			
Franklin County	Greg Thomas	Engineering			X	X	X	X		X			
Franklin County	Carter Smith	EM&HS GIS Specialist				X				X			
Bexley (C)	Ben Kessler	Mayor							X				X
Bexley (C)	Natalie Vawter	Executive Assistant											
Bexley (C)	Dawn Overly								X		X		
Blendon (Twp)	Cathy Shinaberry	Trustee											X
Blendon (Twp)	Jan Heichel	Trustee											
Blendon (Twp)	Jim Welch	Trustee											
Blendon (Twp)	John Giamarco	Administrator											
Brice (V)	John Mathys	Mayor											X
Brown (Twp)	Becky Kent	Fiscal Officer											X
Brown (Twp)	Joe Martin	Trustee											
Canal Winchester (C)	Matt Peoples	Director of Public Services			X					X	X		X
Canal Winchester (C)	Michael Ebert	Mayor											X
Clinton (Twp)	Matt Huffman	Township Administrator								X	X		X

Jurisdiction	Name	Title / Position	Attended Pre-Kick Off Meeting (10/7/22)	Attended CPT Mtg #1 (11/7/22)	Attended PT Mtg #1 (11/18/22)	Attended CPT Mtg #2 (1/05/23)	Attended CPT Mtg #3 (04/14/23)	Attended CPT Mtg #4 (04/25/23)	Attended Risk Assessment and Mitigation Strategy Workshop (04/27/23)	Attended Draft Plan Review Meeting (06/14/23)	Feedback provided	Steering Committee Member	Planning Team Member
Columbus (C)	Vikram Airi	Emergency Preparedness Planner		X	X							X	X
Columbus (C)	James Howdysshell	Project Manager		X								X	X
Columbus (C)	Tomeka Hopson	Deputy Director		X		X						X	X
Columbus (C)	Robert Priestas	Administrator, Division of Sewerage & Drainage				X	X	X		X	X		
Columbus (C)	Sandy Ambris	-											
Columbus (C)	Andrew Ginther	Mayor/ExComm									X		X
Columbus (C)	Steven Kranz	Emergency Preparedness Chief					X				X		
Columbus (C)	Alana Shockey	Deputy Director, Columbus Climate Action		X		X						X	X
Columbus (C)	Kristian Fenner	Deputy Director, Division of Power									X		
Dublin (C)	Tom Hirschy	EMC		X	X	X	X	X	X	X	X	X	X
Dublin (C)	Megan O'Callaghan	City Manager/ExComm											X
Franklin (Twp)	Steve Mazer	Township Administrator			X				X	X	X		X
Gahanna (C)	Laurie Jadwin	Mayor											X
Gahanna (C)	Tom Komlanc	Director of Engineering			X					X			X
Grandview Heights (C)	Aubrey Hale	Strategy and Engagement Officer			X					X	X		X
Grandview Heights (C)	Greta Kearns	Mayor											X
Grandview Heights (C)	James Beckett	Assistant Fire Chief			X				X		X		X

Jurisdiction	Name	Title / Position	Attended Pre-Kick Off Meeting (10/7/22)	Attended CPT Mtg #1 (11/7/22)	Attended PT Mtg #1 (11/18/22)	Attended CPT Mtg #2 (1/05/23)	Attended CPT Mtg #3 (04/14/23)	Attended CPT Mtg #4 (04/25/23)	Attended Risk Assessment and Mitigation Strategy Workshop (04/27/23)	Attended Draft Plan Review Meeting (06/14/23)	Feedback provided	Steering Committee Member	Planning Team Member
Grove City (C)	Richard "Ike" Stage	Mayor/ExComm											X
Grove City (C)	William Vedra	Deputy City Administrator		X				X		X	X	X	X
Grove City (C)	Kota Wharton	Building Permit Coordinator				X	X	X		X	X		
Grove City (C)	Michael Boso	Chief Building and Zoning Official									X		
Groveport (C)	Stephan Moore	Building Official							X		X		
Groveport (C)	Steve Farst	City Engineer								X	X		
Groveport (C)	B. J. King	City Administrator											X
Hamilton (Twp)	Lisa Shirkey	Fiscal Officer											X
Hamilton (Twp)	Josh Marcum										X		
Harrisburg (V)	Michael Lytle	Mayor											X
Hilliard (C)	Michelle Crandall	City Manager											X
Hilliard (C)	Jeanne Amicon	Permit Tech									X		
Hilliard (C)	Clark Rausch	PE									X		
Hilliard (C)	Dan Ralley										X		
Hilliard (C)	Ron Clark										X		
Jackson (Twp)	Shane Farnsworth	Township Administrator								X			X
Jackson (Twp)	Matt Brown	Planning and Floodplain Administrator									X		
Jefferson (Twp)	Bradford Shull	Fire Chief/Public Safety Director									X		X
Jefferson (Twp)	Dion Grener	Township Administrator			X								X

Jurisdiction	Name	Title / Position	Attended Pre-Kick Off Meeting (10/7/22)	Attended CPT Mtg #1 (11/7/22)	Attended PT Mtg #1 (11/18/22)	Attended CPT Mtg #2 (1/05/23)	Attended CPT Mtg #3 (04/14/23)	Attended CPT Mtg #4 (04/25/23)	Attended Risk Assessment and Mitigation Strategy Workshop (04/27/23)	Attended Draft Plan Review Meeting (06/14/23)	Feedback provided	Steering Committee Member	Planning Team Member
Jefferson (Twp)	Joe Gerhart	Service Department Superintendent									X		X
Jefferson (Twp)	Kelly Kiener	Assistant Township Administrator			X								X
Lockbourne (V)	Christie Ward	Mayor											X
Lockbourne (V)	Kendall Collins	Deputy Administrator			X								X
Lockbourne (V)	Lindsey McKnight	Safety Committee Chair									X		
Madison (Twp)	Susan Brobst	Township Administrator											X
Madison (Twp)	Stephen Moore	Groveport Building Official								X	X		
Marble Cliff (V)	Matthew Cincione	Mayor											X
Marble Cliff (V)	Joshua Ford	Project Engineer									X		
Marble Cliff (V)	Peggy Shanahan	Assistant Fiscal Officer									X		
Mifflin (Twp)	Nancy White	Township Administrator											X
Minerva Park (V)	Tiffany Hughes	Mayor											X
Minerva Park (V)	Tiffany Southard	Mayor									X		
New Albany (C)	Sloan Spalding	Mayor											X
New Albany (C)	Alicia McGovern	Administrative Assistant											X
New Albany (C)	Anna van der Zwaag, AICP	Planner			X				X	X	X		X
New Albany (C)	Joseph Stefanov	City Manager											X
New Albany (C)	Cara Denny	Engineering Manager									X		
Norwich (Twp)	Jamie Fisher	Township Administrator											X



Jurisdiction	Name	Title / Position	Attended Pre-Kick Off Meeting (10/7/22)	Attended CPT Mtg #1 (11/7/22)	Attended PT Mtg #1 (11/18/22)	Attended CPT Mtg #2 (1/05/23)	Attended CPT Mtg #3 (04/14/23)	Attended CPT Mtg #4 (04/25/23)	Attended Risk Assessment and Mitigation Strategy Workshop (04/27/23)	Attended Draft Plan Review Meeting (06/14/23)	Feedback provided	Steering Committee Member	Planning Team Member
Obetz (C)	Jeff Griffith	Deputy Safety Director			X				X	X			X
Obetz (C)	E. Rod Davisson	Township Administrator											X
Obetz (C)	Stacey Boumis	Director of Community Services							X	X	X		X
Perry (Twp)	Beth Beatty	Township Administrator											X
Plain (Twp)	Ben Collins	Township Administrator			X				X	X	X		X
Pleasant (Twp)	Paula Wilkins	Fiscal Officer											X
Pleasant (Twp)	David Whiting	Fire Cheif									X		
Prairie (Twp)	Allen Scott	Chief			X				X	X			X
Prairie (Twp)	James Jewell	Township Administrator			X				X	X	X		X
Reynoldsburg (C)	Joe Begeny	Mayor											X
Reynoldsburg (C)	Yeong T. Jiang, PE, CBO	Chief Building Official							X	X	X		
Sharon (Twp)	Michael Farley	Fiscal Officer									X		X
Sharon (Twp)	Tom Kayati	Road Department Superintendent									X		
Sharon (Twp)	Matt Brown	Franklin County Floodplain Administrator									X		
Truro (Twp)	Jason Nicodemus	Township Administrator			X						X		X
Upper Arlington (C)	Chris Zimmer	Assistant Fire Chief			X				X	X	X		X
Upper Arlington (C)	Jackie Thiel	Assistant City Manager			X								X

Jurisdiction	Name	Title / Position	Attended Pre-Kick Off Meeting (10/7/22)	Attended CPT Mtg #1 (11/7/22)	Attended PT Mtg #1 (11/18/22)	Attended CPT Mtg #2 (1/05/23)	Attended CPT Mtg #3 (04/14/23)	Attended CPT Mtg #4 (04/25/23)	Attended Risk Assessment and Mitigation Strategy Workshop (04/27/23)	Attended Draft Plan Review Meeting (06/14/23)	Feedback provided	Steering Committee Member	Planning Team Member
Upper Arlington (C)	Steve Schoeny	City Manager/ExComm											X
Upper Arlington (C)	Alyssa Kelly	Planning Officer									X		
Upper Arlington (C)	Justin Milam	Senior Planner									X		
Upper Arlington (C)	Aaron Scott P.E	Assistant City Engineer									X		
Urbancrest (V)	Elder Joseph Barnes, Sr.	Mayor											X
Valleyview (V)	Marzia Helton	Mayor											X
Washington (Twp)	Eric Richter	Township Administrator			X						X		X
Westerville (C)	Brian Miller	Fire Chief			X			X	X	X	X		X
Westerville (C)	Monica Irelan	City Manager/ExComm			X								X
Whitehall (C)	Kim Maggard	Mayor/ExComm							X				X
Worthington (C)	John Moorehead	Director of Service & Engineering			X					X	X		X
Worthington (C)	Mark Zambito	Fire Chief			X					X			X
Worthington (C)	Matt Greeson	City Manager											X
Worthington (C)	Robert Ware	Police Chief											X
Worthington (C)	Robyn Stewart	Acting City Manager											
Worthington (C)	Don Phillips	Chief Building Inspector, Division of Building Regulation									X		
Worthington (C)	Christopher Craig	Assistant Fire Chief									X		
AEP Ohio	Brent Gates	Distribution Design Manager		X		X	X	X		X		X	X

Jurisdiction	Name	Title / Position	Attended Pre-Kick Off Meeting (10/7/22)	Attended CPT Mtg #1 (11/7/22)	Attended PT Mtg #1 (11/18/22)	Attended CPT Mtg #2 (1/05/23)	Attended CPT Mtg #3 (04/14/23)	Attended CPT Mtg #4 (04/25/23)	Attended Risk Assessment and Mitigation Strategy Workshop (04/27/23)	Attended Draft Plan Review Meeting (06/14/23)	Feedback provided	Steering Committee Member	Planning Team Member
American Electric Ohio	Tom Kratt	Vice President Distribution Operations		X				X				X	X
Mid-Ohio Regional Planning Commission	Brandi Whetstone	Sustainability Officer		X		X	X					X	X
NAACP	Carol Hector-Harris	-		X		X	X	X		X		X	X
The Ohio State University	Bob Armstrong	Director of Emergency Management		X								X	X
The Ohio State University	Karina Peggau	Byrd Polar and Climate Research Center		X		X		X		X		X	X

Table B- 1: Stakeholder Participation Matrix

Department/Organization	Stakeholder Type	Name	Notified of Planning Process	Invited to Meetings	Attended Meetings	Invited to Take Survey	Completed Survey	Notified of Posting of Draft Plan
Ohio State University	Academia	Aaron Wilson	X			X - 3/16/23		
Ohio State University	Academia	Alia Dietsch	X			X - 3/16/23		
Grandview Heights City School District	Academia	Andy Culp	X			X - 3/16/23		
Bexley City Schools	Academia	Harley Williams	X				X	
Hilliard City School District	Academia	David Stewart	X			X - 3/16/23		
Columbus City Schools	Academia	Dr. Angela Chapman						
South-Western City School District	Academia	Dr. Bill Wise	X			X - 3/16/23		
Bexley City School District	Academia	Dr. Jason Fine	X			X - 3/16/23		
Reynoldsburg City School District	Academia	Dr. Jocelyn Cosgrave	X			X - 3/16/23		
Westerville City School District	Academia	Dr. John Kellogg	X			X - 3/16/23	X	

Department/Organization	Stakeholder Type	Name	Notified of Planning Process	Invited to Meetings	Attended Meetings	Invited to Take Survey	Completed Survey	Notified of Posting of Draft Plan
Upper Arlington City School District	Academia	Dr. Kathleen Jenney	X			X - 3/16/23		
Gahanna-Jefferson City School District	Academia	Dr. Tracey R. Deagle	X			X - 3/16/23		
Worthington City School District	Academia	Dr. Trent Bowers	X			X - 3/16/23		
Canal Winchester Local Schools	Academia	Mike Bruning	X				X	
Groveport Madison Local School District	Academia	James Grube	X			X - 3/16/23		
Reynoldsburg City Schools	Academia	Bradley Ramsey	X				X	
Dublin City School District	Academia	John Marschhausen	X			X - 3/16/23		
Ohio State University	Academia	Kerry Ard	X			X - 3/16/23		
Otterbein University	Academia	Kevin Svitana	X			X - 3/16/23		
Canal Winchester Local School District	Academia	Kiya Hunt	X			X - 3/16/23		
New Albany-Plain Local School District	Academia	Michael Sawyers	X			X - 3/16/23		
Westerville City Schools	Academia	John Kellogg	X				X	
Ohio State University	Academia	Ramiro Berardo	X			X - 3/16/23		
Whitehall City Schools	Academia	Robert Collins	X				X	
Whitehall City School District	Academia	Sharee Wells	X			X - 3/16/23		
Bexley Ohio Chamber of Commerce	Business/Commerce	Tracie Baum	X			X - 3/16/23		
Canal Winchester Area Chamber of Commerce	Business/Commerce	Denise Mathias	X			X - 3/16/23		
Central Ohio African American Chamber of Commerce	Business/Commerce	Jill Frost	X			X - 3/16/23		
Columbus Chamber Of Commerce	Business/Commerce	Don DePerro	X			X - 3/16/23		
Columbus-Franklin County Finance Authority	Business/Commerce	Jean Carter Ryan	X			X - 3/16/23		
Community Capital Development Corporation	Business/Commerce	Laura Frum	X			X - 3/16/23		
Dublin Chamber of Commerce	Business/Commerce	Scott Arthur	X			X - 3/16/23		
Gahanna Area Chamber of Commerce	Business/Commerce	Brad Fisher	X			X - 3/16/23		
Grove City Area Chamber of Commerce	Business/Commerce	Shawn Conrad	X			X - 3/16/23		

Department/Organization	Stakeholder Type	Name	Notified of Planning Process	Invited to Meetings	Attended Meetings	Invited to Take Survey	Completed Survey	Notified of Posting of Draft Plan
Hilliard Area Chamber-Commerce	Business/Commerce	Jill Gerschutz	X			X - 3/16/23		
National Association of Women Business Owners	Business/Commerce	Arien Lawless	X			X - 3/16/23		
New Albany Ohio Chamber of Commerce	Business/Commerce	Liz Morrison	X			X - 3/16/23		
Ohio Chamber of Commerce	Business/Commerce	-						
One Columbus	Business/Commerce	Sue Zazon	X			X - 3/16/23		
Reynoldsburg Chamber-Commerce	Business/Commerce	Christine Boucher	X			X - 3/16/23		
Southeastern Franklin County Chamber of Commerce	Business/Commerce	-	X			X - 3/16/23		
Tri-Village Chamber Partnership	Business/Commerce	Katie Ellis	X			X - 3/16/23		
Whitehall Area Chamber of Commerce	Business/Commerce	Fred Everett	X			X - 3/16/23		
Worthington Chamber-Commerce	Business/Commerce	Derek Voytovich	X			X - 3/16/23		
Bexley Police Department	Emergency Services (police, fire, EMS)	Gary Lewis	X			X - 3/16/23		
Blendon Township Police Department	Emergency Services (police, fire, EMS)	John C Belford	X			X - 3/16/23		
Brice Police Department	Emergency Services (police, fire, EMS)	Delano Bauchmoyer	X			X - 3/16/23		
Capital University Police Department	Emergency Services (police, fire, EMS)	Scott D. Kunkle	X			X - 3/16/23		
Clinton Township Police Department	Emergency Services (police, fire, EMS)	Michael H. Jones	X			X - 3/16/23		
Clinton Twp Fire Dept	Emergency Services (police, fire, EMS)	Brian Fraley						
Columbus Division of Fire	Emergency Services (police, fire, EMS)	Jeffrey M. Happ	X			X - 3/16/23		
Columbus Police Department	Emergency Services (police, fire, EMS)	-						
Columbus Regional Airport Authority	Emergency Services (police, fire, EMS)	Ronald Gray	X			X - 3/16/23		
Columbus State Community College Police Department	Emergency Services (police, fire, EMS)	Sean Asbury	X			X - 3/16/23		

Department/Organization	Stakeholder Type	Name	Notified of Planning Process	Invited to Meetings	Attended Meetings	Invited to Take Survey	Completed Survey	Notified of Posting of Draft Plan
CSX Railroad Police Department	Emergency Services (police, fire, EMS)	Steven Studenc	X			X - 3/16/23		
Dublin Police Department	Emergency Services (police, fire, EMS)	Eric cochrun	X				X	
Dublin Police Department	Emergency Services (police, fire, EMS)	Justin Paez	X			X - 3/16/23		
Dublin Police Department	Emergency Services (police, fire, EMS)	Matthew Rahde	X				X	
Dublin Police Department	Emergency Services (police, fire, EMS)	Stephanie Skipworth	X				X	
Dublin Police Department	Emergency Services (police, fire, EMS)	Tom Hirschy	X				X	
Dublin Police Dept.	Emergency Services (police, fire, EMS)	Gwen Whittaker	X				X	
Franklin County Sheriff's Office	Emergency Services (police, fire, EMS)	Dallas Baldwin						
Franklin Township Police Department	Emergency Services (police, fire, EMS)	Byron Smith	X			X - 3/16/23		
Franklin Twp Fire Dept	Emergency Services (police, fire, EMS)	Robert Arnold						
Gahanna Police Department	Emergency Services (police, fire, EMS)	Jeffrey Spence	X			X - 3/16/23		
Grandview Heights Division of Fire	Emergency Services (police, fire, EMS)	Greg Eisenacher	X			X - 3/16/23		
Grandview Heights Police Department	Emergency Services (police, fire, EMS)	Ryan Starns	X			X - 3/16/23	X	
Grove City Police Department	Emergency Services (police, fire, EMS)	Richard S. Fambro	X			X - 3/16/23		
Groveport Police Department	Emergency Services (police, fire, EMS)	Casey Adams	X			X - 3/16/23	X	
Groveport Police Department	Emergency Services (police, fire, EMS)	Casey Adams	X				X	
Hamilton Twp Fire Dept	Emergency Services (police, fire, EMS)	Ralph Shillingburg						
Harrisburg Police Department	Emergency Services (police, fire, EMS)	John Murphy	X			X - 3/16/23		
Hilliard Police Department	Emergency Services (police, fire, EMS)	Michael Woods	X			X - 3/16/23	X	

Department/Organization	Stakeholder Type	Name	Notified of Planning Process	Invited to Meetings	Attended Meetings	Invited to Take Survey	Completed Survey	Notified of Posting of Draft Plan
Jackson Twp Fire Dept	Emergency Services (police, fire, EMS)	Randy Little	X			X - 3/16/23		
Jefferson Twp Fire Dept	Emergency Services (police, fire, EMS)	Bradford L. Shull	X			X - 3/16/23		
Madison Twp Fire Dept	Emergency Services (police, fire, EMS)	Derek Robinson						
Madison Twp. Police Department	Emergency Services (police, fire, EMS)	Gary York	X			X - 3/16/23		
Mifflin Twp Fire Dept	Emergency Services (police, fire, EMS)	Frederick Kauser	X			X - 3/16/23		
Mifflin Twp. Police Department	Emergency Services (police, fire, EMS)	David Briggs	X			X - 3/16/23		
Minerva Park Police Department	Emergency Services (police, fire, EMS)	G. Matt Delp	X			X - 3/16/23		
New Albany Police Department	Emergency Services (police, fire, EMS)	Greg Jones	X			X - 3/16/23		
Norwich Twp Fire Dept	Emergency Services (police, fire, EMS)	David Baird	X			X - 3/16/23		
Obetz Police Department	Emergency Services (police, fire, EMS)	James M. Confer	X			X - 3/16/23	X	
ODPS-Investigative Unit Headquarters	Emergency Services (police, fire, EMS)	Gary Allen	X			X - 3/16/23		
Ohio Casino Control Commission	Emergency Services (police, fire, EMS)	Michael S. Masterson	X			X - 3/16/23		
Ohio Dept of Taxation	Emergency Services (police, fire, EMS)	Michael Kozanecki	X			X - 3/16/23		
Ohio Dept. of Natural Resources - Division of Parks and Recreation	Emergency Services (police, fire, EMS)	Patrick Brown	X			X - 3/16/23		
Ohio Dept. of Natural Resources - Division of Watercraft	Emergency Services (police, fire, EMS)	Michael Ray Miller	X			X - 3/16/23		
Ohio Dept. of Natural Resources - Division of Wildlife	Emergency Services (police, fire, EMS)	Kenneth Fitz	X			X - 3/16/23		
Ohio Dept. of Natural Resources - Office of Law Enforcement	Emergency Services (police, fire, EMS)	Ryan Trout	X			X - 3/16/23		

Department/Organization	Stakeholder Type	Name	Notified of Planning Process	Invited to Meetings	Attended Meetings	Invited to Take Survey	Completed Survey	Notified of Posting of Draft Plan
Ohio Health Police Department	Emergency Services (police, fire, EMS)	Jason Harget	X			X - 3/16/23		
Ohio House of Representatives	Emergency Services (police, fire, EMS)	Daniel Lay	X			X - 3/16/23		
Ohio Senate	Emergency Services (police, fire, EMS)	Ken Mumper	X			X - 3/16/23		
Ohio State Fire Marshal	Emergency Services (police, fire, EMS)	Joshua Hobbs	X			X - 3/16/23		
Ohio State Highway Patrol	Emergency Services (police, fire, EMS)	Kevin D. Miller	X			X - 3/16/23		
Otterbein Police Department	Emergency Services (police, fire, EMS)	Paul Weiner	X			X - 3/16/23		
Perry Twp. Police Department	Emergency Services (police, fire, EMS)	Kenneth Cesaro	X			X - 3/16/23		
Plain Twp Fire Dept	Emergency Services (police, fire, EMS)	Patrick T. Connor	X			X - 3/16/23		
Pleasant Twp Fire Dept	Emergency Services (police, fire, EMS)	Dave Whiting	X			X - 3/16/23		
Port Columbus International Fire Dept	Emergency Services (police, fire, EMS)	Tony Murphy						
Prairie Twp Fire Dept	Emergency Services (police, fire, EMS)	Allen Scott	X			X - 3/16/23		
Reynoldsburg Police Department	Emergency Services (police, fire, EMS)	Curtis Baker	X			X - 3/16/23		
Sharon Twp. Police Department	Emergency Services (police, fire, EMS)	Jeffrey Tuchfarber	X			X - 3/16/23		
State of Ohio Auditor's Office	Emergency Services (police, fire, EMS)	Timothy M. Shockcor	X			X - 3/16/23		
State of Ohio Board of Pharmacy	Emergency Services (police, fire, EMS)	Steven W. Schierholt Esq.	X			X - 3/16/23		
The Box 15 Club	Emergency Services (police, fire, EMS)	-	X			X - 3/16/23		
The Ohio State University Police Division	Emergency Services (police, fire, EMS)	Kimberly Spears-McNatt	X			X - 3/16/23		
Truro Twp Fire Dept	Emergency Services (police, fire, EMS)	Jeff Sharps	X			X - 3/16/23		
Upper Arlington Fire Dept	Emergency Services (police, fire, EMS)	Lyndon Nofziger						



Department/Organization	Stakeholder Type	Name	Notified of Planning Process	Invited to Meetings	Attended Meetings	Invited to Take Survey	Completed Survey	Notified of Posting of Draft Plan
Upper Arlington Police Department	Emergency Services (police, fire, EMS)	Steven Farmer	X			X - 3/16/23		
Valleyview Police Department	Emergency Services (police, fire, EMS)	Gregory R. Wilson	X			X - 3/16/23		
Washington Twp Fire Dept	Emergency Services (police, fire, EMS)	Alec O'Connell	X			X - 3/16/23		
Westerville Fire Dept	Emergency Services (police, fire, EMS)	Brian Miller	X			X - 3/16/23		
Westerville Police Department	Emergency Services (police, fire, EMS)	Charles Chandler	X			X - 3/16/23		
Whitehall Division of Fire	Emergency Services (police, fire, EMS)	Preston Moore	X			X - 3/16/23		
Whitehall Police Department	Emergency Services (police, fire, EMS)	Mike Crispin	X			X - 3/16/23		
Worthington Fire Dept	Emergency Services (police, fire, EMS)	Mark Zambito	X			X - 3/16/23		
Worthington Police Department	Emergency Services (police, fire, EMS)	Robert Ware II	X			X - 3/16/23		
Alcohol, Drug, and Mental Health Services Board	Government	Erika Clark Jones						
Board of Trustees of the Columbus Metropolitan Library	Government	Patrick Losinski						
Central Ohio Agency on Aging	Government	Lynn Dobb	X			X - 3/16/23		
Central Ohio Community Improvement Corporation	Government	Cheryl Brooks Sullivan	X			X - 3/16/23		
Columbus and Franklin County Metro Parks	Government	Tim Moloney	X			X - 3/16/23		
Community Shelter Board of Trustees	Government	Shannon Isom	X			X - 3/16/23		
Franklin Co Board Developmental Disabilities	Government	Jack Brownley	X				X	
Franklin County Board of Commissioners	Government	John O'Grady	X			X - 3/16/23		
Franklin County Board of Developmental Disabilities	Government	Jed Morrison	X			X - 3/16/23		
Franklin County Coroner	Government	Nathaniel R. Overmire, D.O.						
Franklin County Economic Development and Planning	Government	James Schimmer	X			X - 3/16/23		

Department/Organization	Stakeholder Type	Name	Notified of Planning Process	Invited to Meetings	Attended Meetings	Invited to Take Survey	Completed Survey	Notified of Posting of Draft Plan
Franklin County Engineer	Government	Cornell R. Robertson	X			X - 3/16/23		
Franklin County Office on Aging	Government	-						
Franklin County Public Facilities Management	Government	Darla Reardon	X			X - 3/16/23		
Franklin County Public Health	Government	Eva Wollerman	X			X - 3/16/23		
Franklin County Sanitary Engineering	Government	Stephen A. Renner	X			X - 3/16/23		
Franklin County Soil and Water Commission	Government	Jennifer Fish						
Franklin County Transportation Improvement District	Government	Cornell R. Robertson	X			X - 3/16/23		
Franklin Park Conservatory Joint Recreation District Board of Trustees	Government	Bruce A. Harkey	X			X - 3/16/23		
Mid-Ohio Regional Planning Commission	Government	William Murdock	X			X - 3/16/23		
Solid Waste Authority of Central Ohio Board of Trustees	Government	Joe Lombardi	X			X - 3/16/23		
The New Albany Community Authority District	Government	Sandra Cooke	X			X - 3/16/23		
Veterans Service Commission	Government	Bobbie Mershon	X			X - 3/16/23		
Columbus and Franklin County Metro Parks	Government	Lawrence J. Peck	X				X	
Chalmers P. Wylie Veterans Outpatient Clinic	Hospitals/Medical Services	-						
Grant Medical Center	Hospitals/Medical Services	-						
Mount Carmel Health System	Hospitals/Medical Services	-						
Nationwide Children's Hospital	Hospitals/Medical Services	-						
Ohio State University Hospitals	Hospitals/Medical Services	-						
Pomegranate Health Systems Of Columbus	Hospitals/Medical Services	-						
Riverside Methodist Hospital	Hospitals/Medical Services	-						
Twin Valley Behavioral Healthcare	Hospitals/Medical Services	-						

Department/Organization	Stakeholder Type	Name	Notified of Planning Process	Invited to Meetings	Attended Meetings	Invited to Take Survey	Completed Survey	Notified of Posting of Draft Plan
Select Specialty Hospital-Columbus, Inc	Hospitals/Medical Services	-						
Sun Behavioral Columbus	Hospitals/Medical Services	-						
Ohio Health	Hospitals/Medical Services	-						
Delaware County Homeland Security and Emergency Management	Neighbor	Scott Stewart	X			X - 3/16/23		
Fairfield County Emergency Management Agency	Neighbor	Jon Kochis	X			X - 3/16/23	X	
Licking County Emergency Management Agency	Neighbor	Sean Grady	X			X - 3/16/23		
Madison County Emergency Management Agency	Neighbor	Deb Sims	X			X - 3/16/23		
Pickaway County Office of Emergency Management and Homeland Security	Neighbor	Gary Cameron	X			X - 3/16/23	X	
Union County Emergency Management Agency	Neighbor	Brad Gilbert	X			X - 3/16/23		
American Red Cross	Non-Profit							
Economic & Community Development Institute	Non-Profit	Darren Cherry	X			X - 3/16/23		
Kiva	Non-Profit	Reese Neader	X			X - 3/16/23		
Bexley Service Department	Public Works	Andy Bashore	X			X - 3/16/23		
Groveport Public Works Department	Public Works	Brian Strayer	X			X - 3/16/23		
Grove City Public Service Department	Public Works	Cindi Fitzpatrick	X			X - 3/16/23		
Grandview Heights Service Department	Public Works	Darryl Hughes	X	X	X	X - 3/16/23		
Prairie Township Roads, Cemeteries, and Parks Department	Public Works	Dave McAninch	X			X - 3/16/23		
Clinton Township Public Works Department	Public Works	Dave Medley	X			X - 3/16/23		
Madison Township Department of Public Works	Public Works	Dave Watkins	X			X - 3/16/23		
Truro Township Roads Department	Public Works	Greg Dearth	X			X - 3/16/23		

Department/Organization	Stakeholder Type	Name	Notified of Planning Process	Invited to Meetings	Attended Meetings	Invited to Take Survey	Completed Survey	Notified of Posting of Draft Plan
Perry Township Road Department	Public Works	Ian Warren	X			X - 3/16/23		
Franklin County Highway Maintenance	Public Works	Jason Glick	X			X - 3/16/23		
Columbus Department of Public Service	Public Works	Jennifer Gallagher	X			X - 3/16/23		
Ohio Public Works, District 3	Public Works	Jennifer Kline	X			X - 3/16/23		
Urbancrest Street Commission Department	Public Works	Jerome Johnson						
Jefferson Township Service Department	Public Works	Joe Gerhart	X			X - 3/16/23		
Blendon Township Service Department	Public Works	John Giamarco	X			X - 3/16/23	X	
Worthington Department of Service and Engineering	Public Works	John Moorehead	X			X - 3/16/23		
Hamilton Township Road Department	Public Works	Josh Marcum	X			X - 3/16/23		
Reynoldsburg Street Department	Public Works	Keith Kundtz	X			X - 3/16/23		
Westerville Public Service Department	Public Works	Kevin Weaver	X			X - 3/16/23		
Obetz Service Department	Public Works	Kyle Inghand	X			X - 3/16/23		
Hilliard Transportation and Mobility Division	Public Works	Letty Schamp	X			X - 3/16/23		
Canal Winchester Department of Public Service	Public Works	Matthew Peoples	X	X	X	X - 3/16/23	X	
Gahanna Public Service & Engineering	Public Works	Rob James	X			X - 3/16/23		
Norwich Township Road Department	Public Works	Robbie Thomas	X			X - 3/16/23		
Mifflin Township Service Department	Public Works	Roger Boggs	X			X - 3/16/23		
Sharon Township Road Department	Public Works	Thomas A. Kayati						
Upper Arlington Public Works Division	Public Works	Tom Nutini						
Jackson Township Road and Service Department	Public Works	Tony Mowery	X			X - 3/16/23		

Department/Organization	Stakeholder Type	Name	Notified of Planning Process	Invited to Meetings	Attended Meetings	Invited to Take Survey	Completed Survey	Notified of Posting of Draft Plan
Whitehall Public Service Department	Public Works	Zachary Woodruff	X			X - 3/16/23		
Dublin Department of Public Works	Public Works	-						
Franklin Township Roads Department	Public Works	-						
Minerva Park Public Works	Public Works	-						
New Albany Public Service Department	Public Works	-	X			X - 3/16/23		
Plain Township Maintenance Department	Public Works	-	X			X - 3/16/23		
Pleasant Township Road Department	Public Works	-						
Central Ohio Transit Authority (COTA)	Transportation	Craig Treneff						
Conference of Minority Transportation Officials (COMTO)	Transportation	Quincy Howard	X			X - 3/16/23		
Columbus & Ohio River Rail Road	Transportation	Timothy Slusser	X			X - 3/16/23		
AEP Ohio Transmission Company	Utility Providers	Julie Sloat						
Columbus Department of Public Utilities	Utility Providers	Tracie Davies	X			X - 3/16/23		
Franklin County Utilities Department	Utility Providers	Steve Buskirk	X			X - 3/16/23		
Interstate Gas Supply Inc	Utility Providers	Scott White						
North Coast Gas Transmission LLC	Utility Providers	Lee Lochtefeld	X			X - 3/16/23		
Ohio Public Utilities Commission	Utility Providers	Aaron Wilson	X			X - 3/16/23		

## APPENDIX C. MEETING DOCUMENTATION

Appendix C includes meeting agendas, sign-in sheets, and minutes (where applicable and available) for meetings convened during the development of the Franklin County Hazard Mitigation Plan Update.

DRAFT



# Franklin County HMP Update Pre-Kick-Off Meeting - Agenda October 7, 2022



- 
1. **Meeting Goals:** Agree on draft workplan and schedule; determine degree of support for CRS credits; confirm SOW and additional items; agree on areas to expedite; agree on schedule drivers; confirm County and Tt responsibilities
  2. **Introductions**
  3. **Planning Team**
    - Steering Committee
      - FCEM&HS
      - Tetra Tech
    - Core Planning Team - *need to schedule kick-off meeting*
      - Director Young initiated coordination
      - This group should be made up of county and department agencies
      - If the county is going for as many CRS credits, then ½ of the core team needs to be made up of non-government agencies and include a municipal representative
    - Local Mitigation Planning Team - *need to schedule kick-off meeting*
      - Core Planning Team and representatives from 41 jurisdictions
    - Stakeholders
      - Businesses
      - Soil and Water Conservation District
      - Chamber of Commerce
      - Health care – hospitals, clinics, nursing homes, local and county health departments
      - Special Improvement Districts
      - Municipal and County Services – police, fire, roads/bridges, etc.
      - Neighboring Counties
      - Schools/Universities
      - Utility Providers – phone/electricity/water/gas
    - Public meetings – all planning team meetings will be open to the public in order to receive CRS credits
      - For maximum CRS credits, two separate public meetings should be held once the plan is kicked-off and once the plan is ready for public review
  4. **Data Collection**
    - FEMA Plan Review Tool from previous plan
    - Stakeholder contact information
    - County and municipal contact information for all participants
    - Information Gathering Worksheets
    - Critical Facility Inventory
-



# Franklin County HMP Update Pre-Kick-Off Meeting - Agenda October 7, 2022



- Data Wish List *Tt to provide; County to provide GIS POC*
- NFIP Data Request *Tt to provide details to County on how to request*
- FEMA CAV request *Can the County reach out to the State to see how to acquire this information?*
- Dam request *Can the County reach out to the State to see how to acquire this information?*
  - If there are high hazard dams in the County, we will need to review EAPs for each to incorporate into the plan. This will help the County meet the HHPD requirements for HMPs.
- HMP website *Tt to set up website for plan*

## 5. Hazards of Concern Identification

- Tt suggests the following (but will confirm with the Planning Team during their kick-off meeting):

2018 HMP	2019 State HMP	2023 County HMP Update (suggested hazards)
Dam/Levee Failure	Dam/Levee Failure	Dam/Levee Failure
Drought	Drought	Drought
Earthquake	Earthquakes	Earthquake
Extreme Heat	-	Extreme Heat
Flooding	Flood	Flooding (seiche/coastal, inland, flash, urban/stormwater, ice jam)
Invasive Species	Invasive Species	Invasive Species
Severe Summer Weather	Severe Summer Storms (wind & hail)	Severe Summer Weather
Severe Winter Weather	Winter Storm	Severe Winter Weather
Sinkhole/Karst	Land Subsidence	Geological Hazards (Sinkhole/Karst, erosion [inland and coastal])
Tornado	Tornado	Tornado
-	Wildfire	<b>ANYTHING NEW?</b>
-	Landslide	-
-	Seiche/Coastal Flooding	-
-	Coastal Erosion	-
-		-

## 6. Public and Stakeholder Outreach

- Core Planning Team
- Planning Partnership
- Stakeholders
- General Public

## 7. Work Plan/Schedule

- Current plan expires in September 2023





## Franklin County HMP Update Pre-Kick-Off Meeting - Agenda October 7, 2022



- 
- Kick-Off Meetings
    - Steering Committee – October 7, 2022
    - Core Planning Team – week of November 7<sup>th</sup>
    - Planning Team – week of November 14<sup>th</sup>
  - Goals and Objectives –
    - Core Planning Team – week of November 28<sup>th</sup>
  - Mitigation Strategy Workshop – week of January 16<sup>th</sup>
  - Plan Maintenance Procedures –
    - Core Planning Team – week of February 13<sup>th</sup>
  - Risk Assessment Workshop – TBD – most likely March 2023 (Tt to confirm with GIS of their schedule)
  - Public Review Period – April-May 2023
  - Draft to Ohio EMA – mid-June 2023
  - Draft to FEMA – August 2023
  - Tentative APA – September/October 2023
    - If the plan is approved before mid-October 2023, there should be no ramifications of having a lapse between expiration date and approval date
    - Franklin County to notify Ohio EMA of this schedule to confirm this submittal date is acceptable

### 8. Next Steps

**Franklin County, OH – Hazard Mitigation Plan  
Pre Kick-Off Call | Meeting Minutes  
October 7, 2022**



<p><b>Purpose of Meeting:</b> County/Tt Pre Kick-Off Meeting</p> <p><b>Location of Meeting:</b> Microsoft Teams</p> <p><b>Date/Time of Meeting:</b> October 7, 2022   1:00 pm – 2:00 pm</p>		
<p><b>Attendees:</b> Jeff Young, EM&amp;HS Director Connor Robb, EM&amp;HS Specialist Darrel Koerber, EM&amp;HS Deputy Director</p> <p>Heather Apgar, Tetra Tech Doug McIlvain, Tetra Tech</p>		
<p><b>Agenda Summary:</b> Discuss work plan and schedule; determine degree of support for CRS credits; confirm scope of work and additional items; County and Tt responsibilities</p>		
Item No.	Description	Action By:
1.	<p><b>Introductions</b></p> <ul style="list-style-type: none"> <li>Meeting was kicked off and everyone introduced themselves and identified their role in the planning process.</li> </ul>	--
2.	<p><b>Planning Team</b> (see org chart below)</p> <ul style="list-style-type: none"> <li><b>Steering Committee</b> – the primary points-of-contact for the County and Tetra Tech. This team will be responsible for seeing the project through from start to finish; making decisions for the planning process; and meeting regularly to ensure the project is on schedule. <ul style="list-style-type: none"> <li>Franklin County EM&amp;HS <ul style="list-style-type: none"> <li>Director Young</li> <li>Deputy Director Koerber</li> <li>Connor Robb, Planning Lead</li> <li>Kelly McGuire, PIO</li> </ul> </li> <li>Tetra Tech <ul style="list-style-type: none"> <li>Douglas McIlvain</li> <li>Heather Apgar</li> </ul> </li> </ul> </li> <li><b>Core Planning Team</b> - Provides strategic direction during the planning process; includes key County and municipal staff, and stakeholders to provide oversight on key milestones and deliverables. J. Young has initiated coordination with departments and agencies. The team should be made up of the following: <ul style="list-style-type: none"> <li>AEP</li> <li>Columbus Public Health</li> <li>Columbus Public Utilities</li> <li>Economic Development &amp; Planning</li> <li>Engineer</li> <li>Floodplain Manager</li> <li>Franklin Soil &amp; Water Conservation District</li> <li>Mid-Ohio Regional Planning Commission</li> <li>NAACP Franklin County</li> <li>Public Health</li> <li>Sanitary Engineering</li> <li>A representative sample of the municipalities</li> <li>Grove City</li> </ul> </li> <li><b>Local Mitigation Planning Team</b> - collective group of County and municipal representatives seeking DMA 2000 compliance through this planning process. Stakeholders invited to participate in the planning process will include first responders, community groups, nonprofit organizations, businesses, school districts, institutions of higher education, special districts, hospitals, neighboring communities, and other groups. The initial outreach should be to the OEM Coordinators and Clerks/Administrators (see table below).</li> <li><b>Stakeholders</b> - A stakeholder is any person, group, or institution that can affect or be affected by a course of action. Involving stakeholders in the planning process helps to develop support for the plan and identify barriers to</li> </ul>	<p><b>County –</b></p> <ul style="list-style-type: none"> <li>Provide list of potential Core Planning Team members</li> <li>Provide contact information for Local Planning Team</li> <li>Provide stakeholders and contact information</li> </ul> <p><b>Tetra Tech –</b></p> <ul style="list-style-type: none"> <li>Review the list of core planning team and stakeholders developed by the County and provide input and suggestions.</li> <li>Set up OneDrive site to share information</li> <li>Provide County with information on the CRS program</li> </ul>



	<p>implementation. In addition, mitigation planning incorporates information from scientific and technical sources and subject matter experts. This should include the following:</p> <ul style="list-style-type: none"> <li>○ Academic – schools, districts, universities</li> <li>○ Businesses</li> <li>○ Emergency Services</li> <li>○ Health Care Services</li> <li>○ Transportation</li> <li>○ Public Works</li> <li>○ Neighboring counties</li> <li>○ Utilities providers</li> <li>● <b>Public</b> – those that live and work in the County. Local Planning Team meetings will be open to the public.</li> </ul>	
<p>3.</p>	<p><b>Data Collection</b></p> <ul style="list-style-type: none"> <li>● FEMA Plan Review Tool from previous plan</li> <li>● Information Gathering Worksheets</li> <li>● Critical Facility Inventory</li> <li>● Data wish list</li> <li>● NFIP data and CAV dates</li> <li>● Dams</li> <li>● HMP website</li> </ul>	<p><b>County –</b></p> <ul style="list-style-type: none"> <li>● Provide the FEMA plan review tool from the last plan (may need to request from the State and FEMA)</li> <li>● Review information gathering worksheets</li> <li>● Review the data wish list</li> <li>● Provide GIS point of contact to Tetra Tech</li> <li>● Request NFIP data and CAV dates</li> <li>● Provide details on dams in County; request from State if applicable</li> </ul> <p><b>Tetra Tech –</b></p> <ul style="list-style-type: none"> <li>● Review the FEMA plan review tool from last plan</li> <li>● Develop draft information gathering worksheets to collect info from municipalities</li> <li>● Provide GIS wish list to County and set up call with County GIS POC</li> <li>● Inform County how to request NFIP and CAV info from State/FEMA</li> </ul>
<p>4.</p>	<p><b>Hazards of Concern Identification</b></p> <ul style="list-style-type: none"> <li>● Discussed the potential hazards of concern for the 2023 update. This list will be presented to the Core Planning Team and Local Mitigation Planning Team during the kick-off calls.</li> <li>● Hazards suggested:             <ol style="list-style-type: none"> <li>1) Dam/Levee Failure</li> <li>2) Disease Outbreak</li> <li>3) Drought</li> <li>4) Earthquake</li> <li>5) Extreme Heat</li> <li>6) Flooding (inland, flash, urban/stormwater, ice jam)</li> <li>7) Geological Hazards (Sinkhole/Karst, erosion [inland])</li> <li>8) Invasive Species</li> <li>9) Severe Summer Weather</li> </ol> </li> </ul>	<p>Final list of hazards of concern will be discussed during the kick-off calls</p>



	10) Severe Winter Weather 11) Tornado	
5.	<p><b>Public and Stakeholder Outreach</b></p> <ul style="list-style-type: none"> <li>• Surveys –                         <ul style="list-style-type: none"> <li>○ Public</li> <li>○ Stakeholders</li> <li>○ Neighboring counties</li> </ul> </li> <li>• Outreach materials –                         <ul style="list-style-type: none"> <li>○ Website</li> <li>○ StoryMap</li> <li>○ Text and graphics for county and municipalities to use on websites and social media accounts</li> </ul> </li> </ul>	<p><b>County –</b></p> <ul style="list-style-type: none"> <li>• Review surveys, graphics, website, etc. before deploying to planning teams and public</li> </ul> <p><b>Tetra Tech –</b></p> <ul style="list-style-type: none"> <li>• Develop surveys and materials and send to County for review/feedback</li> </ul>
6.	<p><b>Work Plan/Schedule</b></p> <ul style="list-style-type: none"> <li>• Kick-Off Meetings                         <ul style="list-style-type: none"> <li>○ Steering Committee – October 7, 2022</li> <li>○ Core Planning Team – November 7<sup>th</sup> @ 1pm                                 <ul style="list-style-type: none"> <li>▪ Extend invitation to State and FEMA</li> </ul> </li> <li>○ Planning Team – November 17<sup>th</sup> or 18<sup>th</sup> @ 10am                                 <ul style="list-style-type: none"> <li>▪ Extend invitation to State and FEMA</li> <li>▪ Invite stakeholders and public</li> </ul> </li> </ul> </li> <li>• Goals and Objectives –                         <ul style="list-style-type: none"> <li>○ Core Planning Team – November 28<sup>th</sup> or 29<sup>th</sup> @ 1pm</li> </ul> </li> <li>• Mitigation Strategy Workshop – January 19<sup>th</sup> or 20<sup>th</sup> @ 1pm</li> <li>• Plan Maintenance Procedures –                         <ul style="list-style-type: none"> <li>○ Core Planning Team – February 13<sup>th</sup> or 17<sup>th</sup> @ 1pm</li> </ul> </li> <li>• Risk Assessment Workshop – TBD – most likely March 2023 (Tt to confirm with GIS of their schedule)</li> <li>• Draft Plan Presentation – TBD – most likely April/May 2023</li> <li>• Public Review Period – April-May 2023</li> <li>• Draft to Ohio EMA – mid-June 2023</li> <li>• Draft to FEMA – August 2023</li> <li>• Tentative APA – September/October 2023                         <ul style="list-style-type: none"> <li>○ If the plan is approved before mid-October 2023, there should be no ramifications of having a lapse between expiration date and approval date</li> <li>○ Franklin County to notify Ohio EMA of this schedule to confirm this submittal date is acceptable</li> </ul> </li> </ul>	<p><b>County –</b></p> <ul style="list-style-type: none"> <li>• Email planning teams invites to participate in the planning process – just for the kick-off meetings and introduce Tetra Tech in that email</li> <li>• Finalize dates for meetings</li> <li>• Reach out to State to confirm schedule of HMP is acceptable</li> </ul> <p><b>Tetra Tech –</b></p> <ul style="list-style-type: none"> <li>• Provide County with text for initial emails/invites</li> <li>• Will send out meeting invites, worksheets, etc. after the kick-off meeting</li> </ul>
7.	<p><b>Next Steps</b></p> <ul style="list-style-type: none"> <li>• Identify meeting schedule for the Steering Committee – bi-weekly? Monthly?</li> <li>• In-Kind tracking – will the County be using in-kind hours for the local match?</li> </ul>	<p><b>Both –</b></p> <ul style="list-style-type: none"> <li>• Confirm meeting sequence for Steering Committee</li> </ul> <p><b>County –</b></p> <ul style="list-style-type: none"> <li>• Confirm whether or not in-kind hours need to be tracked</li> </ul> <p><b>Tetra Tech</b></p> <ul style="list-style-type: none"> <li>• If in-kind hours will be used, develop on-line form and word form to document hours</li> </ul>



**Organizational Chart**



**Local Mitigation Planning Team:**

- Franklin County
- Bexley (C)
- Blendon (Twp)
- Brice (V)
- Brown (Twp)
- Canal Winchester (C)
- Clinton (Twp)
- Columbus (C)
- Dublin (C)
- Franklin (Twp)
- Gahanna (C)
- Grandview Heights (C)
- Grove City (C)
- Groveport (C)
- Hamilton (Twp)
- Harrisburg (V)
- Hilliard (C)
- Jackson (Twp)
- Jefferson (Twp)
- Lockbourne (V)
- Madison (Twp)
- Marble Cliff (V)
- Mifflin (Twp)
- Minerva Park (V)
- New Albany (C)
- Norwich (Twp)
- Obetz (V)
- Perry (Twp)
- Plain (Twp)
- Pleasant (Twp)
- Prairie (Twp)
- Reynoldsburg (C)
- Riverlea (V)
- Sharon (Twp)
- Truro (Twp)
- Upper Arlington (C)
- Urbancrest (V)
- Valleyview (V)
- Washington (Twp)
- Westerville (C)
- Whitehall (C)
- Worthington (C)
- Ohio State University



Virtual Meeting - [Join by Computer](https://tinyurl.com/2s3mrvsu) (<https://tinyurl.com/2s3mrvsu>)

Or

Dial-in Number (toll): 832-856-3579 | Conference ID: 846 610 411# | Passcode: 3hiuA6

1. **Welcome and Introductions**
2. **In-Kind Services Tracking**
3. **Benefits of Hazard Mitigation and Overview**
  - Purpose and expected outcomes of the Hazard Mitigation Plan
  - 2023 enhancements
4. **Project Organization**
  - Key Agencies
  - Municipal Participants
  - Stakeholders
5. **Core Planning Team Roles and Responsibilities**
6. **Public and Stakeholder Outreach**
  - Strategy – press releases, social media posts, capture of miscellaneous outreach, HMP website
  - Tracking
7. **Data Collection Status**
8. **Hazards of Concern Identification**
9. **Critical Facilities and Lifelines**
10. **Goals and Objectives**
11. **Schedule**
  - Overview and Milestones
  - Meeting Schedule
12. **Questions / Wrap-Up**



**Tt TETRA TECH**


# Franklin County, Ohio Hazard Mitigation Plan – 2023 Update

**Core Planning Team Kick-Off Meeting**  
November 7, 2022


*Leading with Science®*

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## Agenda



- Welcome and Introductions
- In-Kind Services Tracking
- Benefits of Hazard Mitigation
- Hazard Mitigation Planning Overview
- Project Organization
- Core Planning Team Responsibilities
- Public and Stakeholder Outreach
- Update Hazards of Concern and Risk Assessment
- Critical Facilities and Lifelines
- Goals and Objectives
- Schedule
- Questions/Next Steps/Wrap Up




**Tt TETRA TECH**

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# Introductions

- Tell us...
  - Name
  - Your Department/Organization
  - What is your mitigation experience?
  - What are your resilience concerns for Franklin County?



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# In-Kind Tracking

Jurisdiction: \_\_\_\_\_

Name: \_\_\_\_\_ Title: \_\_\_\_\_

Date	Start Time	End Time	# hours	Task Description	Hourly Rate	Total # hours x rate	Comments describe task in more detail
					\$		

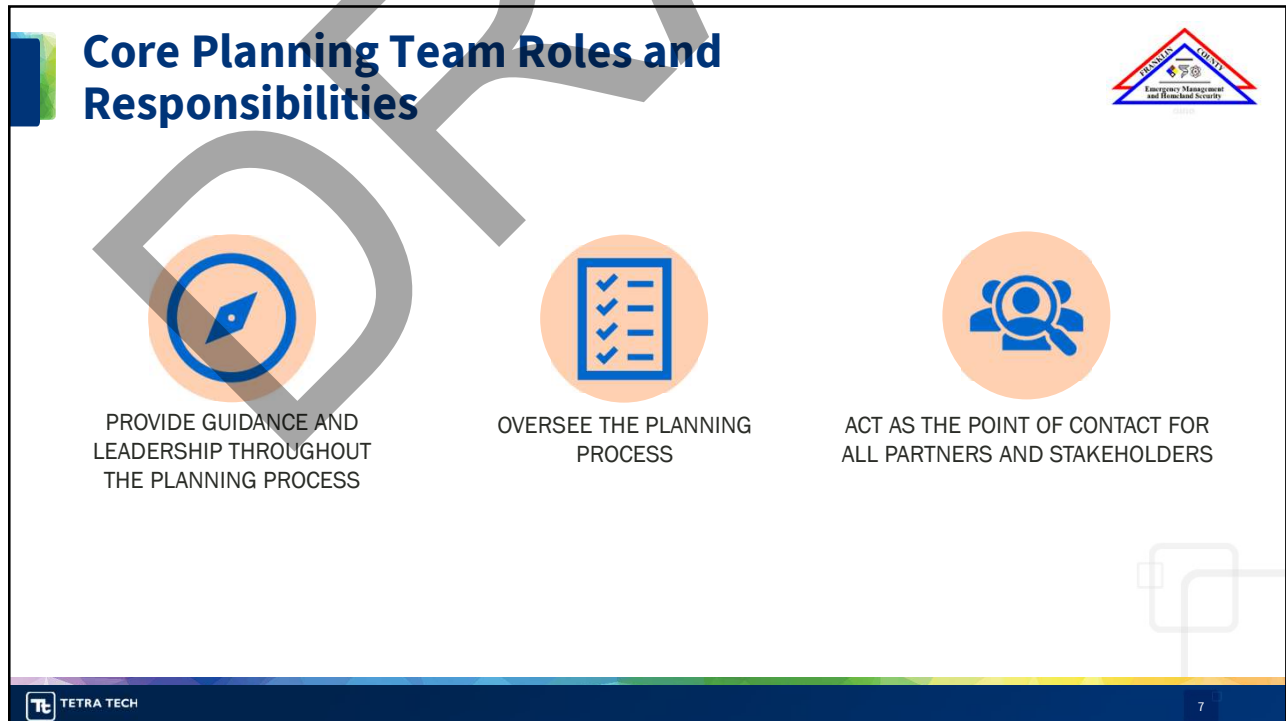
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## Core Planning Team Responsibilities



- Guide the Planning Team (jurisdictions) through the HMP update process
- Oversee the planning process from start to finish
- Actively contribute, review and provide feedback, identify mitigation actions, etc. This includes:
  - Formalizing the natural hazards of concern
  - Updating/developing mitigation goals and objectives
  - Developing a public and stakeholder outreach strategy
  - Assisting with the development of the county-level mitigation strategy
  - Reviewing plan documents

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## Hazard Mitigation Planning Overview



- **What is hazard mitigation?**
- **How does this support resiliency and recovery?**
- **Why update the plan?**
- **What is the process?**

- ✓ Authorized by the Disaster Mitigation Act of 2000
- ✓ Provides an overview of the impacts of natural hazards on communities
- ✓ Provides a roadmap to reducing the impact of these hazards
- ✓ Requires a FEMA-approved natural hazard mitigation plan to be eligible for Pre-Disaster Mitigation Funding
- ✓ 5 year updates required to maintain eligibility



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## Hazard Mitigation – What is it?

Mitigation is a sustained action taken to reduce or eliminate long-term risk to life and property from a hazard event

-or-

Any action taken to reduce future disaster losses

“provides the blueprint for reducing the potential losses identified in the risk assessment, based on existing authorities, policies, programs and resources, and local ability...” (CFR).

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## Hazard Mitigation Works!

- According to the January 2019 National Institute of Building Sciences Natural Hazard Mitigation Saves: 2018 Interim Report, federal mitigation grants save \$6 for every \$1 spent!

National Benefit-Cost Ratio Per Peril <small>*BCR numbers in this study have been rounded</small>		Federally Funded
<b>Overall Hazard Benefit-Cost Ratio</b>		<b>6:1</b>
Riverine Flood	7:1	Too few grants
Hurricane Surge	5:1	
Wind	3:1	
Earthquake	3:1	
Wildland-Urban Interface Fire	3:1	

**More Mitigation Measures, More Savings**

One dollar invested in mitigation = six dollars U.S. saves in future costs

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## Why Update?



- The mitigation plan update will:
  - Help the County prepare for and mitigate the effects of disasters
  - Continue to allow the County and participating partners to be eligible for pre- and post-disaster mitigation funding
  - Support CRS participation/rating of municipalities

Hazard	Losses (1950 – June 2022)
Extreme Cold/Freeze	\$100,000 (property); \$540,000 (crop)
Drought	--
Extreme Heat	--
Flash Flood	\$1.5 million (property)
Flood	\$170,000 (property)
Hail	\$181.2 million (property)
Heavy Rain	--
Lightning	\$21,000 (property)
Tornado	\$58.1 million (property)
Winter Weather	\$1.2 million (property)
Wind	\$138+ million (property)
<b>TOTAL</b>	<b>\$380+ million (property); \$540,000 (crop)</b>

Source: NOAA-NCEI 2022

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## What's at Risk?



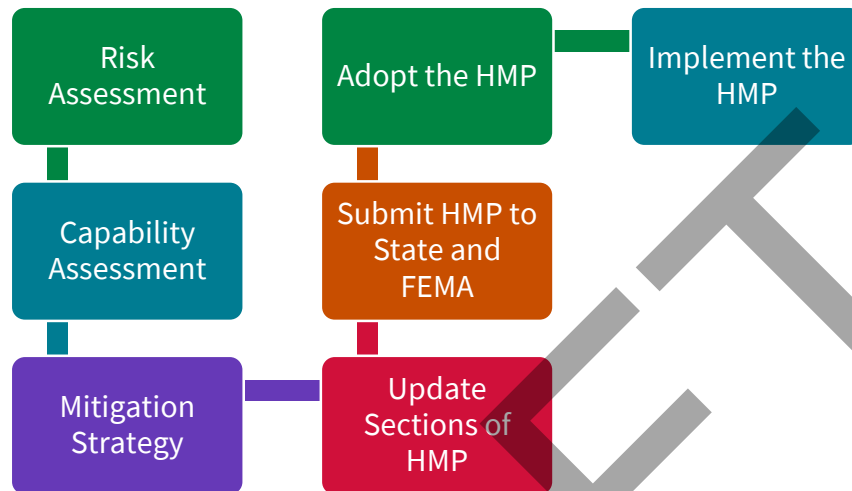
### • FEMA Disaster Declarations



Year of Declaration Date	Declaration Title	Disaster Number
1974	TORNADOES	421
1978	BLIZZARDS & SNOWSTORMS	3055
1989	SEVERE STORMS & FLOODING	831
1990	SEVERE STORMS, TORNADOES & FLOODING	870
1992	SEVERE STORMS, TORNADOES & FLOODING	951
1998	SEVERE STORMS, FLOODING, AND TORNADOES	1227
2002	SEVERE STORMS AND TORNADOES	1444
2003	SEVERE WINTER STORM AND RECORD/NEAR RECORD SNOW	1453
	TORNADOES, FLOODING, SEVERE STORMS, AND HIGH WINDS	1484
2004	SEVERE STORMS AND FLOODING	1556
	SEVERE STORMS, FLOODING, MUDSLIDES, AND LANDSLIDES	1507
2005	HURRICANE KATRINA EVACUATION	3250
	SEVERE WINTER STORMS, FLOODING, AND MUDSLIDES	1580
	SNOW	3198
2008	RECORD SNOW AND NEAR RECORD SNOW	3286
	SEVERE WIND STORM ASSOCIATED WITH TROPICAL DEPRES.	1805
2012	SEVERE STORMS	3346
	SEVERE STORMS AND STRAIGHT-LINE WINDS	4077
2020	COVID-19	3457
	COVID-19 PANDEMIC	4507

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## What is the process?



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## Update Risk Assessment



- Update assets
- Examine previous impacts
- Analyze risks
- Review with Core Planning Team and Planning Team
- Risk assessment meeting



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## Hazards of Concern (2018 HMP)



- Dam/Levee Failure
- Drought
- Earthquake
- Extreme Heat
- Flooding
- Invasive Species
- Karst/Sinkhole
- Severe Summer Weather
- Severe Winter Weather
- Tornadoes

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## Hazards of Concern (2023 HMP)



- Dam/Levee Failure
- Disease Outbreak
- Drought
- Earthquake
- Extreme Temperature (heat/cold)
- Flooding (inland, flash, urban/stormwater, ice jam)
- Geologic Hazards (sinkholes, erosion)
- Invasive Species
- Severe Summer Weather
- Severe Winter Weather
- Tornadoes

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## EXERCISE – Identifying Hazards of Concern



- **Looking at the hazards included in the 2018 plan...**
  - Have additional hazards impacted the County since 2018?
  - Have hazard been mitigated and no longer cause damage?
  - Should hazards be regrouped to align with the 2019 State HMP?
  - Should additional hazards be included?
- **How have hazards affected the county? Where are your problem areas?**
- **Quick survey!**
  - We will send around a quick online survey to get your input on the hazards of concern for the 2023 HMP – Stay tuned!

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## Critical Facilities and Community Lifelines



- **Review 2018 critical facility inventory to ensure complete**
- **Crosswalk and identify lifelines**

**Critical Facilities** are those facilities considered critical to the health and welfare of the population and that are especially important following a hazard. As defined for this HMP, critical facilities include essential facilities, transportation systems, lifeline utility systems, high-potential loss facilities, and hazardous material facilities.

**Essential facilities** are a subset of critical facilities that include those facilities that are important to ensure a full recovery following the occurrence of a hazard event. For the County risk assessment, this category was defined to include police, fire, EMS, schools/colleges, shelters, senior facilities, and medical facilities.

**Lifelines** provide indispensable service that enables the continuous operation of *critical business* and *government functions*, and is critical to *human health and safety*, or *economic security*



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## Critical Facilities and Community Lifelines




Emergency Response	Public Services and Utilities	Private/ Commercial	Transportation	Other
<ul style="list-style-type: none"> <li>• Hospitals/Medical Clinics</li> <li>• Communications/Emergency Operations Centers</li> <li>• Other Direction and Control Operations Centers</li> <li>• Essential Government Buildings</li> <li>• Fire Departments/EMS Services</li> <li>• Law Enforcement/Sheriff, Police</li> <li>• Jails/Correction Centers</li> <li>• Emergency Shelters</li> <li>• Disaster Recovery Centers/Disaster Field Offices</li> <li>• Public Health Departments</li> </ul>	<ul style="list-style-type: none"> <li>• Emergency Alert System Stations and Towers: Radio, Television and Cable</li> <li>• Other Radio and Television Stations and Towers</li> <li>• Government Communications Towers and Repeaters</li> <li>• Telephone System Distribution Points and Towers: Land Line, Cellular, Microwave</li> <li>• Sewage Treatment and Plants</li> <li>• Potable Water Distribution Systems, Treatment Plants, and Lift Stations</li> <li>• Electrical Power Generating Plants and Electrical Substations</li> <li>• Major Electrical Distribution Systems/Routes</li> <li>• Essential Public Service Offices</li> </ul>	<ul style="list-style-type: none"> <li>• Private Potable Water Treatment and Distribution Systems</li> <li>• Private Sewage Treatment and Waste Systems</li> <li>• Commercial Distribution Centers</li> <li>• Building/Construction Materials</li> <li>• Potable Water and Ice Suppliers</li> <li>• Food Retailers</li> <li>• Power Generators</li> <li>• Suppliers of Fuels (Gasoline, Diesel, Propane, Natural Gas, etc.)</li> <li>• Suppliers of Light Equipment (Chain Saws, Shovels, Barricades, etc.)</li> <li>• Suppliers of Heavy Equipment (Bulldozers, Forklifts, etc.)</li> <li>• Medical Supply Companies</li> <li>• Food Processing Plants</li> <li>• Restaurants/Cafeterias</li> <li>• Community Centers/Auditoriums</li> <li>• Major Fuel Pipelines and Terminals/Fuel Storage and Tank Farms</li> </ul>	<ul style="list-style-type: none"> <li>• Airports/Heliports</li> <li>• Response Operations Staging Areas</li> <li>• Critical Transportation Routes</li> <li>• High Risk Intersections/Critical Links/Bridges</li> <li>• Railroad Stations</li> </ul>	<ul style="list-style-type: none"> <li>• Churches/Synagogues</li> <li>• Fellowship and Recreation Halls</li> <li>• Colleges/Universities</li> <li>• Public and Private Schools</li> <li>• Motels/Hotels</li> <li>• Nursing/Convalescent/Group Homes</li> <li>• Animal Care/Animal Shelters</li> <li>• Hazardous Materials Facilities</li> <li>• Flood Control Stations and Devices</li> </ul>


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## Critical Facilities and Community Lifelines




- What additional facilities and lifelines should we add?

Types to consider:

- Critical food establishments – food pantries, grocery stores, senior nutrition
- COVID-19 locations – testing and vaccination sites
- Others?











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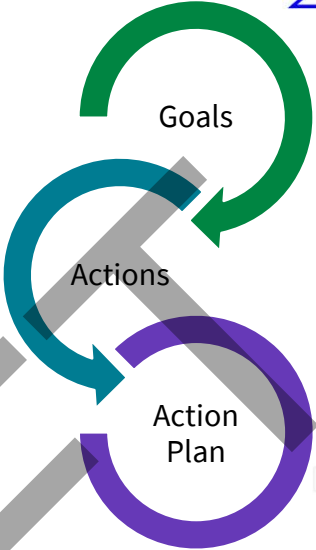
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# Mitigation Strategy




- Goals
  - What outcomes do you want to achieve?
- Actions
  - What specific actions will be taken to reduce risk from hazards?
- Action Plan
  - How will the actions be prioritized and implemented?



TETRA TECH 22

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# Goals and Objectives – Review and Update



Goal Number	Goal	Modify, Add, or Remove?
1	Integrate goals and action items from the Franklin County Natural Hazard Mitigation Plan into existing and future land-use planning documents, and existing regulatory programs.	
2	Develop inventories of at-risk infrastructure and prioritize preventative measures in areas vulnerable to natural hazards.	
3	Involve watershed and natural resource management, and all other interested parties, in natural hazards mitigation planning to rehabilitate and maintain streams and waterways.	
4	Strengthen partnerships between government agencies and private sector businesses to develop public awareness of and involvement in natural hazards mitigation strategies.	
5	Develop and implement public education programs to increase public awareness and understanding of the risks associated with natural hazards.	
6	Protect buildings in repetitive loss areas through acquisition, elevation or other mitigating activity.	

**Goal**  
 Minimize new development in hazard-prone areas

**Objectives**  
 Reduce the number of vulnerable structures in flood hazard areas.

**Actions**  
 Amend zoning ordinance to permit only open space and uses within floodplains.

TETRA TECH 23

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# Public and Stakeholder Outreach



- Social Media Posts
- Press Release
- HMP website – in the works...stay tuned!
- Planning Team meetings open to the public and stakeholders
- Stakeholder Survey
- Public Survey
- Neighboring County Outreach
  - Notified of planning process
  - Survey



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# Next Steps/Schedule

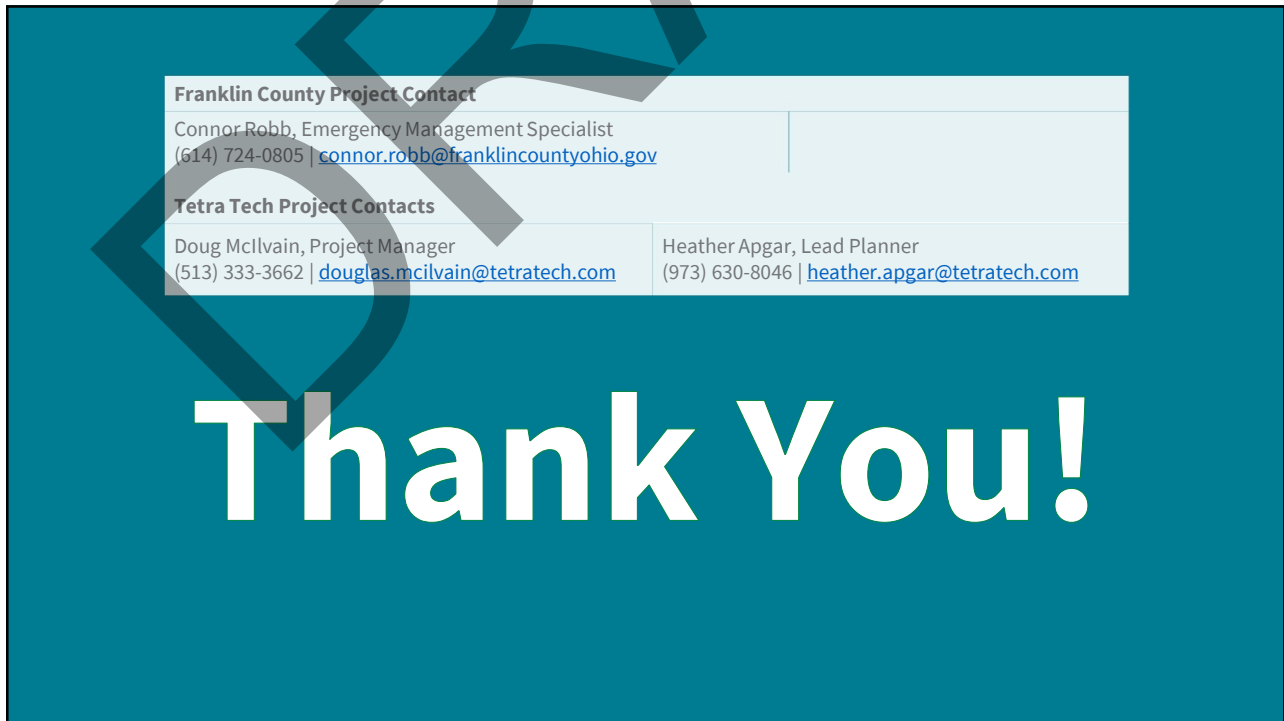


- **Planning Process**
  - Core Planning Team Kick-Off – TODAY!
  - Planning Team Kick-Off – November 18<sup>th</sup>
- **Update Risk Assessment**
  - Data collection is underway; confirm building and critical facility inventory
  - Confirm hazards of concern; once confirmed, begin vulnerability assessment for each – we will send a survey out to everyone to collect input on hazards
  - Discuss risk assessment results – date TBD
- **Public and Stakeholder Outreach**
  - Ongoing throughout the planning process
- **Capability Assessment**
  - Currently working on reviewing plans, studies, codes, and ordinances
- **Mitigation Strategy**
  - Begin working with the municipalities after the Planning Partnership kick-off
  - Finalize goals during Core Planning Team meeting – week of November 27<sup>th</sup> (date TBD)
  - Mitigation Strategy Workshop with FEMA and State – week of January 15<sup>th</sup> (date TBD)
- **Plan Maintenance**
  - Utilizing the BATool to review/update actions from 2023 HMP
  - Finalize plan maintenance procedures in February
- **Develop Plan**
  - Draft Plan to Core Planning Team in April/May 2023
  - Draft to Ohio EMA – June
  - Draft to FEMA – August
  - Adoption – September/October

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**Franklin County, OH – Hazard Mitigation Plan  
Core Planning Team Kick-Off Meeting | Meeting Minutes  
November 7, 2022**



<p><b>Purpose of Meeting:</b> Core Planning Team Meeting #1 – Project Kick-Off</p> <p><b>Location of Meeting:</b> Microsoft Teams</p> <p><b>Date/Time of Meeting:</b> November 7, 2022   1:00 pm – 2:00 pm</p>		
<p><b>Franklin County</b></p> <ul style="list-style-type: none"> <li>• Jeff Young, EM&amp;HS Director</li> <li>• Connor Robb, EM&amp;HS Specialist</li> <li>• Darrel Koerber, EM&amp;HS Deputy Director</li> <li>• Matt Brown, Planning Administrator, Franklin County Economic Development &amp; Planning</li> </ul> <p><b>Municipalities</b></p> <ul style="list-style-type: none"> <li>• Tom Hirschy, Emergency Management Coordinator, City of Dublin/Dublin Police Department</li> <li>• James Howdysshell, Project Manager, City of Columbus</li> <li>• Tomeka Hopson, Deputy Director, City of Columbus Public Utilities</li> <li>• William Vedra, Grove City, Deputy City Administrator</li> </ul> <p><b>Attendees: Organizations</b></p> <ul style="list-style-type: none"> <li>• Brandi Whetstone, Mid-Ohio Regional Planning Commission (MORPC)</li> <li>• Carol Hector-Harris, NAACP</li> <li>• Karina Peggau, Byrd Polar and Climate Research Center, The Ohio State University</li> <li>• Bob Armstrong, Ohio State University Director of Emergency Management</li> <li>• Tom Kratt, VP Distribution Operations, AEP Ohio</li> <li>• Brent Gates, Distribution Design Manager, AEP Ohio</li> <li>• Vikram Airi, Emergency Preparedness Planner, Columbus Public Health</li> <li>• Alana Shockey, Deputy Director, Sustainable Columbus</li> </ul> <p><b>Tetra Tech</b></p> <ul style="list-style-type: none"> <li>• Heather Apgar, Tetra Tech</li> <li>• Doug McIlvain, Tetra Tech</li> </ul>		
<p><b>Agenda Summary:</b> Discuss the planning process and hazard mitigation; identify roles and responsibilities of the Core Planning Team (CPT); next steps and upcoming meetings</p>		
Item No.	Description	Action By:
1.	<p><b>Welcome and Introductions</b></p> <ul style="list-style-type: none"> <li>• Meeting was kicked off and everyone introduced themselves and identified their role in the planning process.</li> </ul>	--
2.	<p><b>In-Kind Tracking</b></p> <ul style="list-style-type: none"> <li>• To document time spent working on the HMP, the Core Planning Team will need to use the in-kind tracking tool (Word document or online survey) to document time each week spent on the HMP.</li> </ul>	<p><b>CPT Members –</b></p> <ul style="list-style-type: none"> <li>• Keep track of time spent on HMP; update tracker weekly</li> </ul> <p><b>Tetra Tech –</b></p> <ul style="list-style-type: none"> <li>• Provide in-kind tracking tool to CPT members</li> </ul>
3.	<p><b>Project Organization</b></p> <ul style="list-style-type: none"> <li>• The project is made up for several groups that will contribute to the HMP update for the county. This includes: <ul style="list-style-type: none"> <li>○ Steering Committee - the primary points-of-contact for the County and Tetra Tech. This team will be responsible for seeing the project through from start to finish; making decisions for the planning process; and meeting regularly to ensure the project is on schedule.</li> <li>○ Core Planning Team – Provides strategic direction during the planning process; includes key County and municipal staff, and stakeholders to provide oversight on key milestones and deliverables.</li> </ul> </li> </ul>	<p><b>CPT Members –</b></p> <ul style="list-style-type: none"> <li>• Review the list of stakeholders and provide input</li> </ul> <p><b>Tetra Tech –</b></p> <ul style="list-style-type: none"> <li>• Develop draft stakeholder list for CPT review.</li> </ul>



	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>▪ J. Young will extend invitation to the County Engineer</li> </ul> </li> <li>○ Planning Team – collective group of County and municipal representatives seeking DMA 2000 compliance through this planning process. Stakeholders invited to participate in the planning process will include first responders, community groups, nonprofit organizations, businesses, school districts, institutions of higher education, special districts, hospitals, neighboring communities, and other groups. The initial outreach should be to the OEM Coordinators and Clerks/Administrators.</li> <li>○ Stakeholders – made up of neighboring counties, local and regional agencies, businesses, schools, health care, etc. that will provide input as necessary throughout the process</li> <li>○ Ohio EMA – will provide guidance to the county and will review the HMP prior to FEMA submittal</li> </ul> </li> </ul>	
4.	<p><b>CPT Roles/Responsibilities</b></p> <ul style="list-style-type: none"> <li>• CPT is responsible for providing guidance and leadership throughout the planning process</li> <li>• Will need to actively contribute, review and provide feedback, identify mitigation actions, etc. during this process</li> <li>• Responsibilities also include:             <ul style="list-style-type: none"> <li>○ Formalizing the natural hazards of concern</li> <li>○ Defining critical facilities and community lifelines</li> <li>○ Updating/developing mitigation goals and objectives</li> <li>○ Developing a public and stakeholder outreach strategy</li> <li>○ Assisting with the development of the county-level mitigation strategy and projects</li> <li>○ Confirm a plan maintenance strategy</li> <li>○ Reviewing plan documents and approving the plan before the public review period</li> </ul> </li> </ul>	<p><b>CPT Members –</b></p> <ul style="list-style-type: none"> <li>• Actively participate throughout the planning process – attend meetings, review sections, provide input as requested</li> </ul> <p><b>Tetra Tech –</b></p> <ul style="list-style-type: none"> <li>• --</li> </ul>
5.	<p><b>HMP Overview</b></p> <ul style="list-style-type: none"> <li>• Tt provided an overview of hazard mitigation and the plan update process</li> <li>• Mitigation is any sustained action taken to reduce or eliminate long-term risk to life and property from hazards.</li> <li>• By completing and adopting the HMP, the County and municipalities remain eligible for FEMA pre- and post-disaster mitigation funding.</li> <li>• Updating the plan allows the County to incorporate newer data/information, show how they've accomplished mitigation in the last five years, and identify a plan for mitigation in the next five years.</li> <li>• Explained the process of the HMP and how we will update the 2023 HMP update</li> </ul>	--
6.	<p><b>Risk Assessment</b></p> <ul style="list-style-type: none"> <li>• This is the first step in the HMP process where the hazards of concern are identified, and a risk assessment is completed for each.</li> <li>• The CPT will need to review the potential list of hazards of concern and confirm the list. These are the hazards that will be looked at in the HMP update and where a risk assessment will be performed on.</li> <li>• CPT will also need to review the list of critical facilities and community lifelines to ensure names, locations, and facility types are accurate.</li> <li>• We will finalize the hazards of concern list during the next CPT meeting (date TBD).</li> </ul>	<p><b>CPT Members –</b></p> <ul style="list-style-type: none"> <li>• Complete the hazard of concern survey by 11/28/22</li> <li>• Complete critical facility/lifeline review (date TBD)</li> </ul> <p><b>Tetra Tech –</b></p> <ul style="list-style-type: none"> <li>• Send the hazard of concern survey to CPT</li> <li>• Send out critical facility/lifeline survey to CPT (date TBD)</li> </ul>
7.	<p><b>Mitigation Strategy</b></p>	<p><b>CPT Members –</b></p>



	<ul style="list-style-type: none"> <li>• Next step is reviewing and updating the mitigation strategy. To do this, the CPT will need to review/confirm the goals, develop objectives, identify mitigation actions, and implement the HMP.</li> <li>• Goals and Objectives             <ul style="list-style-type: none"> <li>○ CPT will review the goals from the 2018 HMP and update accordingly. Tt will provide suggestions in updates and present to the CPT.</li> <li>○ Objectives were not included in the 2018 HMP; Tt asked the CPT if objectives should be included. The CPT agreed to include them. Tt will provide objective examples for the CPT to review and comment.</li> <li>○ We will finalize the goals/objectives at the next meeting (date TBD).</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Review and comment on the goals for the 2023 HMP</li> <li>• Review and provide input on objectives for the 2023 HMP</li> </ul> <p><b>Tetra Tech –</b></p> <ul style="list-style-type: none"> <li>• Send a survey to the CPT to collect input on the goals and objectives</li> </ul>
<p>8.</p>	<p><b>Public and Stakeholder Outreach</b></p> <ul style="list-style-type: none"> <li>• Outreach is a requirement of the HMP process and needs to be promoted to the general public and stakeholders.</li> <li>• To do so, Tt developed a website specific to the HMP. Website is currently in progress and will be distributed once completed.</li> <li>• CPT and municipalities will be responsible for posting about the HMP and informing Tt when this done.</li> <li>• CPT to distribute surveys to appropriate stakeholders.</li> </ul>	<p><b>CPT –</b></p> <ul style="list-style-type: none"> <li>• Assist with promoting the HMP using materials provided by Tt</li> </ul> <p><b>Tetra Tech –</b></p> <ul style="list-style-type: none"> <li>• Develop surveys and materials and send to Steering Committee for review/feedback</li> </ul>
<p>9.</p>	<p><b>Next Steps/Schedule</b></p> <ul style="list-style-type: none"> <li>• Planning Process             <ul style="list-style-type: none"> <li>○ Planning Team Kick-Off – November 18<sup>th</sup></li> </ul> </li> <li>• Update Risk Assessment             <ul style="list-style-type: none"> <li>○ Data collection is underway; confirm building and critical facility inventory</li> <li>○ Confirm hazards of concern; once confirmed, begin vulnerability assessment for each – we will send a survey out to everyone to collect input on hazards</li> <li>○ Discuss risk assessment results – date TBD</li> </ul> </li> <li>• Public and Stakeholder Outreach – ongoing throughout the HMP process</li> <li>• Capability Assessment –             <ul style="list-style-type: none"> <li>○ Currently working on reviewing plans, studies, codes, and ordinances</li> </ul> </li> <li>• Mitigation Strategy             <ul style="list-style-type: none"> <li>○ Begin working with the municipalities after the Planning Partnership kick-off</li> <li>○ Finalize goals during Core Planning Team meeting – week of November 27th (date TBD)</li> <li>○ Mitigation Strategy Workshop with FEMA and State – week of January 15th (date TBD)</li> </ul> </li> <li>• Plan Maintenance             <ul style="list-style-type: none"> <li>○ Utilizing the BATool to review/update actions from 2023 HMP</li> <li>○ Finalize plan maintenance procedures in February</li> </ul> </li> <li>• Develop Plan             <ul style="list-style-type: none"> <li>○ Draft Plan to Core Planning Team in April/May 2023</li> <li>○ Draft to Ohio EMA – June</li> <li>○ Draft to FEMA – August</li> <li>○ Adoption – September/October</li> </ul> </li> </ul>	<p>--</p>



*Virtual Meeting*

[Join by Computer](#) | Meeting ID: 252 701 389 632 | Passcode: 59p6xP

Or

Dial-in Number (toll): 646-751-8477 | Conference ID: 530 335 44#

1. **Welcome and Introductions**
2. **In-Kind Services Tracking**
3. **Benefits of Hazard Mitigation and Overview**
  - Purpose and expected outcomes of the Hazard Mitigation Plan
  - 2023 enhancements
4. **Project Organization and Overview**
  - Core Planning Team
  - Planning Team – All Municipal Participants + Core Planning Team
  - Ohio Emergency Management Agency
  - Stakeholders
5. **Planning Process**
  - Phase 1 – Organize Resources
  - Phase 2 – Risk Assessment
  - Phase 3 – Public Outreach
  - Phase 4 – Capability and Mitigation Strategy
  - Phase 5 – Assemble the Plan
  - Phase 6 – Plan Maintenance
  - Phase 7 – Plan Review and Adoption
6. **Schedule**
  - Overview and Milestones
  - Meeting Schedule
7. **Questions / Wrap-Up**





**Tt TETRA TECH**


# Franklin County, Ohio Hazard Mitigation Plan – 2023 Update

**Planning Team Kick-Off Meeting**  
November 18, 2022


*Leading with Science®*

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## Agenda



- Welcome
- In-Kind Services Tracking
- Benefits of Hazard Mitigation
- Hazard Mitigation Planning Overview
- Project Organization
- Planning Team Responsibilities
- Planning Process Overview and Municipal Worksheets
- Schedule
- Questions/Next Steps/Wrap Up



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**Tt TETRA TECH**

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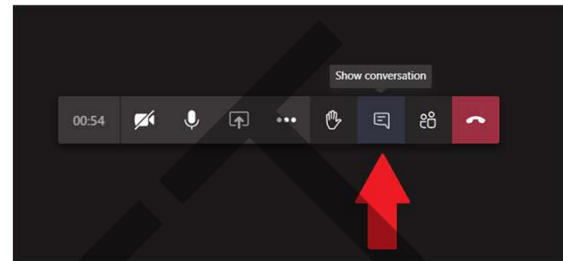
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## Introductions

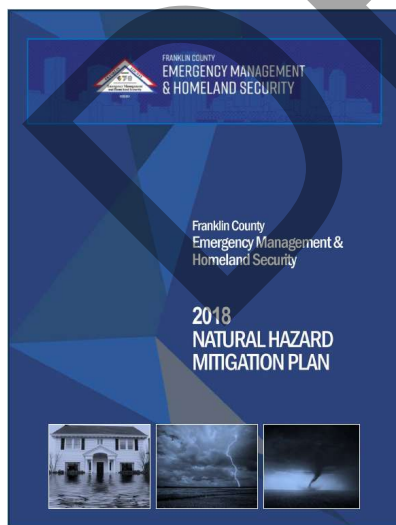


- If you haven't done so, use the chat feature to tell us your...
  - Name
  - Job title
  - Jurisdiction you represent
  - Your department/ organization



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## In-Kind Tracking




Jurisdiction: \_\_\_\_\_

Name: \_\_\_\_\_ Title: \_\_\_\_\_

Date	Start Time	End Time	# hours	Task Description	Hourly Rate	Total # hours x rate	Comments describe task in more detail
					\$		


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## Hazard Mitigation Planning Overview



- What is hazard mitigation?
- Why update the plan?
- What's new?
- What is the process?


- ✓ Authorized by the Disaster Mitigation Act of 2000
- ✓ Provides an overview of the impacts of natural hazards on communities
- ✓ Provides a roadmap to reducing the impact of these hazards
- ✓ Requires a FEMA-approved natural hazard mitigation plan to be eligible for Pre- and Post-Disaster Mitigation Funding
- ✓ 5-year updates required to maintain eligibility




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## Hazard Mitigation – What is it?





Mitigation is a sustained action taken to reduce or eliminate long-term risk to life and property from a hazard event

-or-

Any action taken to reduce future disaster losses

“provides the blueprint for reducing the potential losses identified in the risk assessment, based on existing authorities, policies, programs and resources, and local ability...” (CFR).




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## Why Update?



- The mitigation plan update will:
  - Help the County prepare for and mitigate the effects of disasters
  - Continue to allow the County and participating partners to be eligible for pre- and post-disaster mitigation funding
  - Support CRS participation/rating of municipalities

Hazard	Losses (1950 – June 2022)
Extreme Cold/Freeze	\$100,000 (property); \$540,000 (crop)
Drought	--
Extreme Heat	--
Flash Flood	\$1.5 million (property)
Flood	\$170,000 (property)
Hail	\$181.2 million (property)
Heavy Rain	--
Lightning	\$21,000 (property)
Tornado	\$58.1 million (property)
Winter Weather	\$1.2 million (property)
Wind	\$138+ million (property)
<b>TOTAL</b>	<b>\$380+ million (property); \$540,000 (crop)</b>

Source: NOAA-NCEI 2022

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## What is the process?



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**FRANKLIN COUNTY**  
Emergency Management and Homeland Security  
OHIO

**Phase 1**

**Organize the Resources**

TETRA TECH

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## Project Organization

**FRANKLIN COUNTY**  
Emergency Management and Homeland Security

**Core Planning Team**

- County EM&HS
- County Floodplain Manager
- Ohio State University
- City of Columbus
- City of Dublin
- City of Grove City
- Mid-Ohio Regional
- Planning Commission
- American Electric Ohio
- Columbus NAACP

**Planning Team**

- Bexley City
- Canal Winchester City
- Columbus City
- Dublin City
- Gahanna City
- Grandview Heights City
- Grove City
- Groveport City
- Hilliard City
- New Albany City
- Reynoldsburg City
- Upper Arlington City
- Westerville City
- Brice Village
- Harrisburg Village
- Lockbourne Village
- Marble Cliff Village
- Minerva Park Village
- Obetz Village
- Riverlea Village
- Urbancrest Village
- Valleyview Village
- Blendon Twp
- Brown Twp
- Clinton Twp
- Franklin Twp
- Hamilton Twp
- Jackson Twp
- Jefferson Twp
- Madison Twp
- Mifflin Twp
- Norwich Twp
- Perry Twp
- Plain Twp
- Pleasant Twp
- Prairie Twp
- Sharon Twp
- Turo Twp
- Washington Twp

**Stakeholders**

- Emergency managers
- Economic development
- Planning
- Floodplain administration
- Public Works/Highways
- Neighboring communities
- Natural and cultural resources
- Organizations that provide support to underserved communities and socially vulnerable populations

**Steering Committee**  
Franklin County EM&HS  
Tetra Tech

**Ohio Emergency Management Agency (OEMA)**

TETRA TECH

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## Planning Partnership Roles and Responsibilities



- As the municipal representative for your community, you need to actively participate throughout the process in order to be included in the plan. This includes:
  - Coordinate and facilitate local efforts
  - Attend meetings
  - Provide information and feedback (e.g., complete municipal worksheets)
  - Involve the public and community stakeholders in the planning process
  - Identify mitigation actions for your community
  - Adopt the plan
  - Implement the plan and monitor its progress
- All participation will be documented in the HMP

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The graphic features a background image of a road under a cloudy sky. Overlaid on the right side is the Franklin County Emergency Management and Homeland Security logo, which includes the text 'FRANKLIN COUNTY', 'OHIO', and 'Emergency Management and Homeland Security'. Below the logo, the text 'Phase 2' is displayed in white on a dark blue rectangular background. At the bottom, a purple horizontal bar contains the text 'Risk Assessment' in white.

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## Update Risk Assessment

- Update assets
- Examine previous impacts
- Analyze risks
- Review with Core Planning Team and Planning Team
- Risk assessment meeting



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## Hazards of Concern (2018 HMP)

- Dam/Levee Failure
- Drought
- Earthquake
- Extreme Heat
- Flooding
- Invasive Species
- Karst/Sinkhole
- Severe Summer Weather
- Severe Winter Weather
- Tornadoes

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## Hazards of Concern (2023 HMP)



- Dam/Levee Failure
- Disease Outbreak
- Drought
- Earthquake
- Extreme Temperature (heat/cold)
- Flooding (inland, flash, urban/stormwater, ice jam)
- Geologic Hazards (sinkholes, erosion)
- Invasive Species
- Severe Summer Weather
- Severe Winter Weather
- Tornadoes

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## EXERCISE – Identifying Hazards of Concern



- **Looking at the hazards included in the 2018 plan...**
  - Have additional hazards impacted the County since 2018?
  - Have hazard been mitigated and no longer cause damage?
  - Should hazards be regrouped to align with the 2019 State HMP?
  - Should additional hazards be included?
- **How have hazards affected the county? Where are your problem areas?**
- **Quick survey!**
  - We will send around a quick online survey to get your input on the hazards of concern for the 2023 HMP – Stay tuned!

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# Worksheet A – Hazard Event History



Franklin County | Hazard Mitigation Plan 2023 Update  
Worksheet A – Hazard Event History

Please send all electronic Word versions by December 12, 2022:  
Heather Appgar, Tetra Tech | heather.appgar@tetratech.com

Municipality: \_\_\_\_\_  
Name and Title of Individual Completing Worksheet: \_\_\_\_\_

Fort Bend County has frequently experienced natural hazard events. Please complete the table below to summarize specific loss and damages experienced during hazard events since the last hazard mitigation plan update (2011). Information already populated in the table below is based on County-wide events that resulted in significant damage and losses.

Please update the table to provide a summary of local impacts to the listed events AND note other local hazard events that resulted in damages, closures, or other impacts.

Dates of Event	Event Type (Disaster Declaration if applicable)	County Designated?	Summary of Event	Municipal Summary of Damages and Losses
April 4, 2013	EF-1 Tornado	N/A	Severe thunderstorms and tornadoes developed. Between one to three inches of rain fell across the region. A tornado touched down in Grove City causing approximately \$120,000 in property damage.	
September 26, 2018	EF-1 Tornado	N/A	Showers and thunderstorms moved east across the region. A weak tornado began in the Olde Towne neighborhood of Columbus. Approximately \$750,000 in property damage.	
April 14, 2019	Thunderstorms	N/A	Thunderstorms developed ahead of a strong low pressure system that was approaching the area. A building housing a pharmaceutical company on Rickenbacker Parkway received substantial damage, as a wall collapsed with more than 100 employees inside. Several people received minor injuries. Approximately \$100,000 in property damage.	
March 2020-present	Covid-19 Pandemic (DR-4507)	Yes	As of November 16, 2022, 347,221 reported cases and 2,721 reported deaths.	

Please identify other hazard events that have caused damage/losses in your community. Refer to FEMA project worksheets (PWs), overtime records, police/fire reports, repair costs (invoices), etc.

Dates of Event	Event Type	Summary of Event	Municipal Summary of Damages and Losses

# Critical Facilities and Community Lifelines



- Review 2018 critical facility inventory to ensure complete
- Crosswalk and identify lifelines

**Critical Facilities** are those facilities considered critical to the health and welfare of the population and that are especially important following a hazard. As defined for this HMP, critical facilities include essential facilities, transportation systems, lifeline utility systems, high-potential loss facilities, and hazardous material facilities.

**Essential facilities** are a subset of critical facilities that include those facilities that are important to ensure a full recovery following the occurrence of a hazard event. For the County risk assessment, this category was defined to include police, fire, EMS, schools/colleges, shelters, senior facilities, and medical facilities.

**Lifelines** provide indispensable service that enables the continuous operation of critical business and government functions, and is critical to human health and safety, or economic security





## Critical Facilities and Community Lifelines




Emergency Response	Public Services and Utilities	Private/ Commercial	Transportation	Other
<ul style="list-style-type: none"> <li>Hospitals/Medical Clinics</li> <li>Communications/Emergency Operations Centers</li> <li>Other Direction and Control Operations Centers</li> <li>Essential Government Buildings</li> <li>Fire Departments/EMS Services</li> <li>Law Enforcement/Sheriff, Police</li> <li>Jails/Correction Centers</li> <li>Emergency Shelters</li> <li>Disaster Recovery Centers/Disaster Field Offices</li> <li>Public Health Departments</li> </ul>	<ul style="list-style-type: none"> <li>Emergency Alert System Stations and Towers: Radio, Television and Cable</li> <li>Other Radio and Television Stations and Towers</li> <li>Government Communications Towers and Repeaters</li> <li>Telephone System Distribution Points and Towers: Land Line, Cellular, Microwave</li> <li>Sewage Treatment and Plants</li> <li>Potable Water Distribution Systems, Treatment Plants, and Lift Stations</li> <li>Electrical Power Generating Plants and Electrical Substations</li> <li>Major Electrical Distribution Systems/Routes</li> <li>Essential Public Service Offices</li> </ul>	<ul style="list-style-type: none"> <li>Private Potable Water Treatment and Distribution Systems</li> <li>Private Sewage Treatment and Waste Systems</li> <li>Commercial Distribution Centers</li> <li>Building/Construction Materials</li> <li>Potable Water and Ice Suppliers</li> <li>Food Retailers</li> <li>Power Generators</li> <li>Suppliers of Fuels (Gasoline, Diesel, Propane, Natural Gas, etc.)</li> <li>Suppliers of Light Equipment (Chain Saws, Shovels, Barricades, etc.)</li> <li>Suppliers of Heavy Equipment (Bulldozers, Forklifts, etc.)</li> <li>Medical Supply Companies</li> <li>Food Processing Plants</li> <li>Restaurants/Cafeterias</li> <li>Community Centers/Auditoriums</li> <li>Major Fuel Pipelines and Terminals/Fuel Storage and Tank Farms</li> </ul>	<ul style="list-style-type: none"> <li>Airports/Heliports</li> <li>Response Operations Staging Areas</li> <li>Critical Transportation Routes</li> <li>High Risk Intersections/Critical Links/Bridges</li> <li>Railroad Stations</li> </ul>	<ul style="list-style-type: none"> <li>Churches/Synagogues</li> <li>Fellowship and Recreation Halls</li> <li>Colleges/Universities</li> <li>Public and Private Schools</li> <li>Motels/Hotels</li> <li>Nursing/Convalescent/Group Homes</li> <li>Animal Care/Animal Shelters</li> <li>Hazardous Materials Facilities</li> <li>Flood Control Stations and Devices</li> </ul>








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## Critical Facilities and Community Lifelines



- What additional facilities and lifelines should we add?  
Types to consider:
  - Critical food establishments – food pantries, grocery stores, senior nutrition
  - COVID-19 locations – testing and vaccination sites
  - Others?

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**FRANKLIN COUNTY**  
Emergency Management and Homeland Security  
OHIO

Phase 3

**Public and Stakeholder Outreach**

TETRA TECH

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## Public and Stakeholder Outreach

- Social Media Posts
- Press Release
- HMP website – in the works...stay tuned!
- Planning Team meetings open to the public and stakeholders
- Stakeholder Survey
- Public Survey
- Neighboring County Outreach
  - Notified of planning process
  - Survey

**FRANKLIN COUNTY**  
Emergency Management and Homeland Security

Home About What's Happening? Calendar Meetings Follow the Plan

Home

Cape May County Hazard Mitigation Plan Update

The 2021 Cape May County Hazard Mitigation Plan Update has been approved by FEMA. Click here to view and download the plan.

Welcome to the Cape May County Hazard Mitigation Plan Update website. This website provides general information, resources, and links to hazard mitigation project, meeting and local action and the community will work a budget to identify, assess, coordinate, and fund a strategy to reduce disaster vulnerability.

The goal of the project is to reduce loss and property through the reduction of hazard vulnerability for the entire county. During the course of this planning process, public participation and feedback is a vital part of the hazard mitigation planning process. The Cape May County Hazard Mitigation Steering Committee has developed a Hazard Mitigation Survey to engage the public in our planning process. This survey will be used to help determine the needs and priorities of the public. We encourage you to participate in our planning process. We have a check box to help you indicate if you would like to be contacted for more information or to provide input on the draft plan. If you would like to be contacted, please check the box.

**Upcoming Deliverables**

- Complete Objectives Exercise located at: [https://www.surepointonline.com/CLMHP\\_2021](https://www.surepointonline.com/CLMHP_2021)
- Distribute Public Survey (your Public Release Packet) [https://www.surepointonline.com/CLMHP\\_PublicSurvey](https://www.surepointonline.com/CLMHP_PublicSurvey)

**January 16, 2019 Steering Committee Meeting Recap**

On January 16, 2019, the Cape May County Hazard Mitigation Steering Committee held their 2nd Steering Committee Meeting for the City of Sugar Land Hazard Mitigation Plan Update. The Steering Committee established the following:

- Risk Assessment-Risk Assessment Public Workshop February 26, 2020 6-8pm
- Capacity Assessment-Ordinary
- Capacity Exercise-See meeting pg. 2)
- Goal Setting Exercise-The following goals were developed and adopted:

**Goal Setting Exercise**

**Goal 1:** Enhance predictive measure including the expansion and protection of existing systems and supporting technologies.

**Goal 2:** Enhance the quality of assessments, analysis and planning through the development and collection of data.

**Goal 3:** Develop and enhance communications and education capabilities in the public regarding hazards, including the areas that can be taken to mitigate their impact.

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OHIO

Phase 4


Capability and Mitigation Strategies

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## Update the Capability Assessment

- Capabilities
  - Planning and Regulatory Capability
  - Administrative and Technical Capability
  - Financial Capability
  - Education and Outreach



FRANKLIN COUNTY  
Emergency Management and Homeland Security

Columbus, OH

Code of Ordinances

HERSON AUG 30, 2022 (CURRENT) - COLUMBUS - CITY CODES

SUPPLEMENT HISTORY TABLE

CHARTER OF THE CITY OF COLUMBUS, OH

Code of Ordinances Supplement 73

Online content updated on August 30, 2022

COLUMBUS CITY CODES Coalesced through Ordinance No. 2022-2022, passed July 18, 2022. (Supp. No. 73, 8/22)

VIEW WHAT'S CHANGED

BLENDON PARKS MASTER PLAN

RIDGEWOOD PARK • SUNBURY VILLAGE

ALERT Franklin County  
Emergency Notification System

Franklin County  
Commissioners  
Mark Brinkley  
John O'Grady

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# Worksheet B – Capability Assessment



Franklin County | Hazard Mitigation Plan 2023 Update  
Worksheet B – Capability Assessment

Please send all electronic Word versions by December 12, 2022:  
Heather Appar, Tetra Tech | heather.appar@tetra.com

Municipality: \_\_\_\_\_  
Name and Title of Individual Completing Worksheet: \_\_\_\_\_  
Who can assist with completing these tables: Municipal Planner, Clerk Officer.

### Planning and Regulatory Capability

Please complete the following table to summarize the regulatory tools that is present in the jurisdiction, and code citation and date. For existing regulations, hazards or how it could be updated to better integrate hazard mitigation.

Codes, Ordinances, & Regulations	Jurisdiction has this? (Yes/No)	Code Citation and Date (code chapter, name of plan, date of plan)	Authority (local, county, state, federal)	Individual / Department / Agency Responsible
<b>Building Code</b> <i>How does this reduce risk?</i> The building code requires design standards for new construction or the substantial improvement of existing structures to be more resistant to hazards, including hurricane winds and tornadoes.	Yes	Chapter 103 – Buildings and Building Regulations	Local	Code Enforcement
<b>Zoning/Land Use Code</b> <i>How does this reduce risk?</i> The land use code promotes development and redevelopment patterns that are at less risk from known hazards. The code also reduces potential for damages caused by negligent or imprudent permitting or land use decisions.  Consider the following: <ul style="list-style-type: none"> <li>Prior to zoning changes, or development permitting, does your jurisdiction review the hazard mitigation plan and other hazard analyses to ensure consistent and compatible land use?</li> <li>Does the zoning ordinance discourage development or redevelopment within natural areas including wetlands, floodways, and floodplains?</li> <li>Does it contain natural overlay zones that set conditions?</li> <li>Does the ordinance require developers to take additional actions to mitigate natural hazard risk?</li> <li>Do zoning procedures recognize natural hazard areas as limits on zoning changes?</li> </ul>	Yes	Chapter 101 – General and Administrative Provisions	Local Code Enforcement	

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# Worksheet C – NFIP FPA Questionnaire



Franklin County | Hazard Mitigation Plan 2023 Update  
Worksheet C – NFIP Floodplain Administrator Questionnaire

Please send all electronic Word versions by December 12, 2022:  
Heather Appar, Tetra Tech

Municipality: \_\_\_\_\_  
Name and Title of Individual Completing Worksheet: \_\_\_\_\_  
Who can assist with completing this table: NFIP Floodplain Administrator


NFIP Topic	Comments
<b>Flood Vulnerability Summary</b> Describe areas prone to flooding in your jurisdiction. <ul style="list-style-type: none"> <li>Do you maintain a list of properties that have been damaged by flooding?</li> </ul>	The intersection of Main Street and Maple Road routinely flood during heavy rain events. This leads to road closures and impacts emergency response time and access. The City does not maintain a list of flood-damaged properties.
Do you maintain a list of property owners interested in flood mitigation? <ul style="list-style-type: none"> <li>How many homeowners and/or business owners are interested in mitigation (elevation or acquisition)?</li> </ul>	At this time, there has been no interest in residential flood mitigation.
Are any RiskMAP projects currently underway in your jurisdiction? <ul style="list-style-type: none"> <li>If so, state what projects are underway.</li> </ul>	No
How do you make Substantial Damage determinations? <ul style="list-style-type: none"> <li>How many were declared for recent flood events in your jurisdiction?</li> </ul>	The Building Inspector conducts substantial damage determinations after a flood event. During the last flood event, two determinations were made.
How many properties have been mitigated (elevation or acquisition) in your jurisdiction? <ul style="list-style-type: none"> <li>If there are mitigation properties, how were the projects funded?</li> </ul>	To date, no properties have been mitigated in the City.
Do your flood hazard maps adequately address the flood risk within your jurisdiction? <ul style="list-style-type: none"> <li>If not, state why.</li> </ul>	Yes

NFIP Compliance  
What local department is responsible for floodplain management?  
\_\_\_\_\_  
Are any certified floodplain managers on staff in your jurisdiction?  
\_\_\_\_\_

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# Worksheet D – Building Permits and New Development



Franklin County | Hazard Mitigation Plan 2023 Update  
Worksheet D – Building Permits and New Development

Please send all electronic Word versions by December 12, 2022:  
Heather Appgar, Tetra Tech | heather.appgar@tetratech.com

Municipality: \_\_\_\_\_

Name and Title of Individual Completing Worksheet: \_\_\_\_\_

**Who can assist with completing these tables:** The Building Department, Planning Department, and NFIP Floodplain Administrator.

In the first table, please identify the number of building permits issued for new construction since 2018. Include construction located in the Special Flood Hazard Area (SFHA) (e.g. 1% flood area). If your jurisdiction does not have permit types, please list the total number of permits and indicate "N/A" (not applicable) for the permit sub-types.

Type of Development	2018		2019		2020		2021	
	Total	Within SFHA	Total	Within SFHA	Total	Within SFHA	Total	Within SFHA
Number of Building Permits for New Construction Issued Since the previous HMP* (total/within regulatory floodplains)								
Single Family								
Multi-Family								
Other (commercial, mixed-use, etc.)								
Total Permits Issued								


SFHA = Special Flood Hazard Area (1% annual chance flood event)  
\* Only location-specific hazard zones or vulnerabilities identified.

Please indicate any recent development within your community from 2018 to present. Additionally, please indicate known or anticipated major residential and/or commercial development and major infrastructure development that are identified for the next five (5) years in your community.

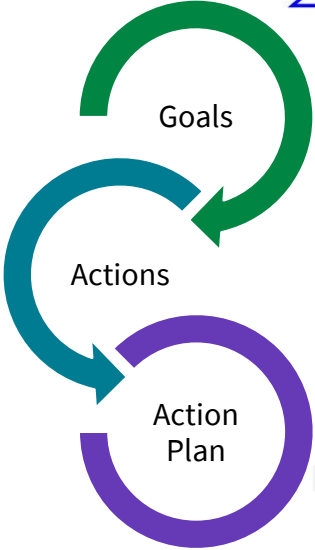
Property or Development Name	Type (e.g. Res., Comm.)	# of Units / Structures	Address and Parcel ID	Known Hazard Zone(s)	Description/Status of Development
Recent Major Development from 2018 to Present					
Known or Anticipated Major Development in the Next Five (5) Years					

Please provide any additional comments related to development and issuing permits.

# Mitigation Strategy



- Goals
  - What outcomes do you want to achieve?
- Actions
  - What specific actions will be taken to reduce risk from hazards?
- Action Plan
  - How will the actions be prioritized and implemented?



# Update the Mitigation Strategy



- Determine the status of mitigation actions
- Identify new mitigation actions/projects
  - Focus on specific, implementable, and achievable actions!
  - Look at your list of critical facilities and lifelines – what do they need to be operational during a disaster?
  - One mitigation action for every hazard of concern!
- Conduct Mitigation Strategy Workshop – date TBD

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# Worksheet E – Action Review



Franklin County | Hazard Mitigation Plan 2023 Update  
Worksheet E – Mitigation Action Review Worksheet

Please send all electronic Word versions by December 12, 2022:  
Heather Appgar, Tetra Tech | heather.appgar@tetratech.com

Municipality: \_\_\_\_\_  
Name and Title of Individual Completing Worksheet: \_\_\_\_\_

**Who should provide you information about past mitigation actions:** We suggest a first pass at updating this table after which you coordinate with other officials (e.g., the Emergency Management Coordinator) to determine the status of each action. This project status update table is for our current plan.

Use the following table to indicate progress and next steps on your community's mitigation actions detailed as possible.

Project #	Project	Responsible Party	What is the status? (e.g., In Progress, No Progress, Ongoing Capability, or Completed) If in progress or completed, please describe the funding source, cost and who is implementing.	Yes/No	If Yes, please describe the original problem (i.e., hazard, location, historic losses) Need to determine whether current transportation infrastructure can support additional vehicles in the County. The design of the expansion is underway however, additional funding is needed to implement the project.	If Yes, identify the responsible department/person to implement the project.
1	Conduct Traffic Study	FBC OEM	No Progress	Yes		Community Development and Engineering
2	Expansion of Big Creek Channel	FBC Drainage District	In Progress	Yes		County Drainage District and Engineering
3	Ensure the County has Adequate Plans and Resources	FBC OEM, FBC Road and Bridge	Ongoing	No	--	--
4	Choose an item.	Choose an item.	Choose an item.	Choose an item.	Choose an item.	Choose an item.
5	Choose an item.	Choose an item.	Choose an item.	Choose an item.	Choose an item.	Choose an item.

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Franklin County | Hazard Mitigation Plan 2023 Update  
Worksheet E – Mitigation Action Review

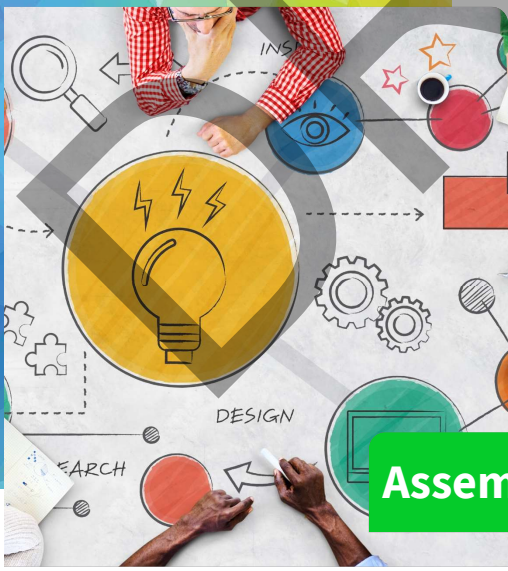
Have you completed, or are there any in-progress or proposed mitigation or resilience projects that are not included in the table above since 2018? If yes, please provide the project details, what the project is mitigating and who is implementing below.

1.
2.
3.
4.
5.

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FRANKLIN COUNTY  
Emergency Management  
and Homeland Security  
OHIO

Phase 5 & 6

**Assemble the Plan & Plan Maintenance**

TETRA TECH

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# Update Other Sections of the Plan



Volume I	Volume II	Appendices
Section 1 – Introduction	Section 8 – Planning Partnership Section 9 – Jurisdictional Annexes • Each participating jurisdiction will have their own chapter	A – Plan Adoption
Section 2 – Planning Process		B – Participation Matrix
Section 3 – County Profile		C – Meeting Documentation
Section 4 – Risk Assessment		D – Outreach
Section 5 – Capability Assessment		E – Supplemental Data
Section 6 – Mitigation Strategy		F – Critical Facilities
Section 7 – Plan Maintenance		G – Plan Review Tools
		H – Mitigation Strategy Tools
		I – Linkage Procedures

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OHIO

Phase 7

Plan Review and Adoption

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## Plan Adoption & Implementation



- Implementing your HMP...
  - Integration –
    - Link to local planning efforts
    - Hazard mitigation principles into your comprehensive or master plan
    - Interagency coordination
  - Projects/Actions –
    - Explore funding options to complete projects
    - Develop grant applications
    - Implement the projects

### Example Adoption Resolution

(LOCAL COMMUNITY)  
(STATE)  
RESOLUTION NO. \_\_\_\_\_  
A RESOLUTION OF THE (LOCAL COMMUNITY) ADOPTING THE  
(TITLE AND DATE OF MITIGATION PLAN)  
WHEREAS the (local governing body) recognizes the threat that natural hazards pose to people and property within (local community); and  
WHEREAS the (local community) has prepared a multi-hazard mitigation plan, hereby known as (title and date of mitigation plan) in accordance with the Disaster Mitigation Act of 2000; and  
WHEREAS (title and date of mitigation plan) identifies mitigation goals and actions to reduce or eliminate long-term risk to people and property in (local community) from the impacts of future hazards and disasters; and  
WHEREAS adoption by the (local governing body) demonstrates their commitment to the hazard mitigation and achieving the goals outlined in the (title and date of mitigation plan).  
NOW THEREFORE, BE IT RESOLVED BY THE (LOCAL COMMUNITY), (STATE), THAT:  
Section 1. In accordance with (local rule for adopting resolutions), the (local governing body) adopts the (title and date of mitigation plan).  
ADOPTED by a vote of \_\_\_\_\_ in favor and \_\_\_\_\_ against, and \_\_\_\_\_ abstaining, this \_\_\_\_\_ day of \_\_\_\_\_  
By: \_\_\_\_\_  
(print name)  
ATTEST:  
By: \_\_\_\_\_  
(print name)  
APPROVED AS TO FORM:  
By: \_\_\_\_\_  
(print name)

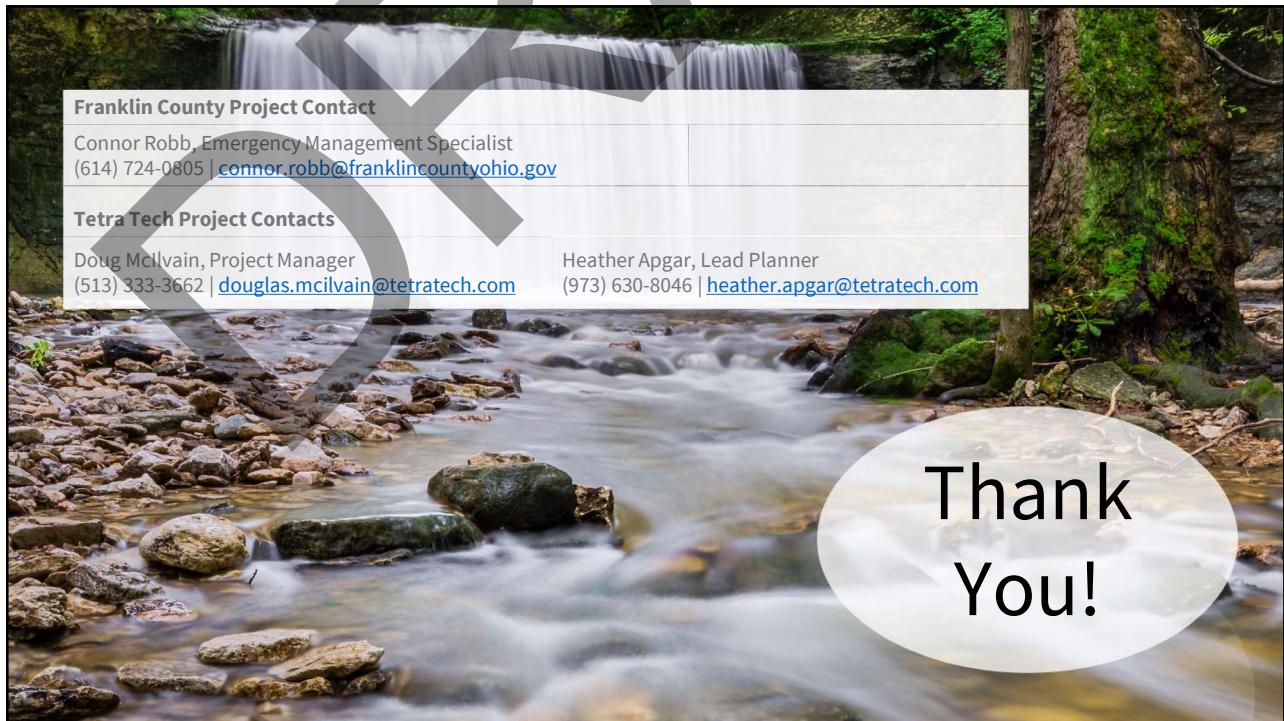
## Next Steps/Schedule



- **Planning Process**
  - Core Planning Team Kick-Off – November 7th
  - Planning Team Kick-Off – TODAY!
    - Worksheets due December 12<sup>th</sup>!
- **Update Risk Assessment**
  - Data collection is underway; confirm building and critical facility inventory
  - Confirm hazards of concern; once confirmed, begin vulnerability assessment for each – we will send a survey out to everyone to collect input on hazards
  - Discuss risk assessment results – date TBD
- **Public and Stakeholder Outreach**
  - Ongoing throughout the planning process
- **Capability Assessment**
  - Currently working on reviewing plans, studies, codes, and ordinances
- **Mitigation Strategy**
  - Begin working with the municipalities after the Planning Partnership kick-off
  - Finalize goals during Core Planning Team meeting – week of November 27<sup>th</sup> (date TBD)
  - Mitigation Strategy Workshop with FEMA and State – week of January 15<sup>th</sup> (date TBD)
- **Plan Maintenance**
  - Utilizing the BATool to review/update actions from 2023 HMP
  - Finalize plan maintenance procedures in February
- **Develop Plan**
  - Draft Plan to Core Planning Team in April/May 2023
  - Draft to Ohio EMA – June
  - Draft to FEMA – August
  - Adoption – September/October



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<b>Purpose of Meeting:</b> Planning Partnership Meeting #1
<b>Location of Meeting:</b> Microsoft Teams
<b>Date/Time of Meeting:</b> 10 AM-November 18, 2022

<b>Attendees:</b> <u>Franklin County</u> <ul style="list-style-type: none"> <li>• Jeff Young, EM&amp;HS Director</li> <li>• Connor Robb, EM&amp;HS Specialist</li> <li>• Greg Thomas, Engineering</li> </ul>	<u>Tetra Tech</u> <ul style="list-style-type: none"> <li>• Doug McIlvain, Project Manager</li> <li>• Heather Apgar, Lead Planner</li> <li>• Emily Vassallo, Planner</li> </ul>
<u>Municipalities</u> <ul style="list-style-type: none"> <li>• Canal Winchester (C) – Matt Peoples, Director of Public Services</li> <li>• Columbus (C) - Vikram Airi, Emergency Preparedness Planner, Columbus Public Health</li> <li>• Dublin (C) - Tom Hirschy, EM Coordinator</li> <li>• Franklin (Twp) – Steve Mazer, Administrator</li> <li>• Gahanna (C) - Tom Komlanc, Director of Engineering</li> <li>• Grandview Heights (C) – Aubrey Hale, Strategy and Engagement Officer; James Beckett, Asst. Fire Chief</li> <li>• Jefferson (Twp) - Kelly Kiener; Dion Grener, Administrator</li> <li>• Lockbourne (V) – Kendall Collins, Deputy Administrator</li> <li>• New Albany (C) - Anna Van Der Zwaag, Planner</li> <li>• Obetz (V) – Jess Griffith</li> <li>• Plain (Twp) – Ben Collins, Administrator</li> <li>• Prairie (Twp) – Allen Scott, Chief; James Jewell, Administrator</li> <li>• Truro (Twp) – Jason Nicodemus, Administrator</li> <li>• Upper Arlington (C) – Chris Zimmer, Asst. Fire Chief; Jackie Thiel, Asst. City Manager</li> <li>• Washington (Twp) – Eric Richter, Administrator</li> <li>• Westerville (C) – Brian Miller, Fire Chief; Monica Irelan, City Manager</li> <li>• Worthington (C) – John Moorehead, Direct of Service and Engineering; Mark Zambito, Asst. Fire Chief</li> </ul>	

<b>Agenda Summary:</b> Welcome; In-Kind Tracking; Hazard Mitigation overview and benefits, project organization, planning team responsibilities, planning process overview; municipal worksheets; schedule; questions
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Item No.	Description	Action By:
1.	<b>Welcome and Introductions</b> <ul style="list-style-type: none"> <li>• Jeff Young introduces Tetra tech and Heather. Provides summary of the HMP process.</li> <li>• Jeff turns information over to Heather and Doug</li> <li>• Doug introduces himself and explains a little about what the Hazard Mitigation Plan is used for and stresses importance of input of Franklin County</li> <li>• Heather introduces herself as lead planner and explains features of meeting and chat feature</li> <li>• Introduction of Connor as point of contact for project</li> </ul>	County and Tt
2.	<b>In-Kind Tracking</b> <ul style="list-style-type: none"> <li>• Explanation of participation recording: meetings, input, worksheets, outreach, surveys</li> <li>• Documentation of time spent on HMP project</li> </ul>	Tt
3.	<b>Benefits of Hazard Mitigation and Overview</b> <ul style="list-style-type: none"> <li>• Make connections, evaluate risks, look at specific hazards and actions that can be taken. Integrating hazard mitigation plan into day-to-day operation, Incorporate new FEMA local HMP guidance</li> <li>• Need a mitigation action for every HOC- start thinking of potential projects</li> <li>• Understand future impact of climate change on hazards and produce actions</li> <li>• Look at how hazard mitigation is being integrated in the County and in municipalities</li> </ul>	Tt

	<ul style="list-style-type: none"> <li>Look at socially vulnerable populations- what is county and jurisdiction doing to address this?</li> <li>Overview is broken into 7 phase approach</li> <li>Hazard mitigation definition- sustained action taken to reduce or eliminate risk to life and property from a hazard event</li> <li>Why update? - FEMA requirement; helps look at new impacts/hazards; allows us to look at new data and infrastructure and allows municipalities to provide new input; support CRS participation</li> </ul>	
4.	<p><b>Project Organization and Overview</b></p> <ul style="list-style-type: none"> <li>Planning partnership - Each participating municipality that would like to adopt the plan; must complete worksheets, provide input to planners; attend meetings; identify mitigation actions for your community; involve the public</li> <li>Steering Committee - emergency management and Tetra Tech Inc; guides planning partnership and oversees planning process</li> <li>Stakeholders - local business, nonprofits, emergency services present in county</li> <li>Ohio EMA - provide guidance to County to meet FEMA guides; will evaluate plan</li> </ul>	Tt
5.	<p><b>Update Risk Assessment</b></p> <ul style="list-style-type: none"> <li>Look at previous impacts, update assets, analyze risks, review with planning team</li> <li>Update critical facilities list, population</li> <li>Review of 2018 HOC List</li> <li>2023 Potential HOC                             <ul style="list-style-type: none"> <li>Include Heat and Cold for extreme temp</li> <li>Geological Hazards- sinkholes and erosion</li> <li>Disease Outbreak /Health and Safety addition</li> </ul> </li> <li>Presents identifying HOC survey exercise that will be sent out</li> <li>Worksheet A- Hazard Event History; how have hazards affected county from 2018- now</li> <li><b>Critical Facilities</b> <ul style="list-style-type: none"> <li>Review 2018 critical facilities</li> <li>Identify lifelines and essential facilities</li> <li>Emergency response; public services and utilities; private/commercial</li> <li>Add critical food establishments, testing and vaccination sites; etc.</li> </ul> </li> </ul> <p><b>Public and Stakeholder Outreach</b></p> <ul style="list-style-type: none"> <li>Social Media Posts,</li> <li>Press Release,</li> <li>HMP website</li> <li>Surveys for stakeholder, public and neighboring counties                             <ul style="list-style-type: none"> <li>Heather provides information and tips for getting surveys out there; requests photos of social media posts and actions taken by jurisdictions to spread the word</li> </ul> </li> </ul> <p><b>Capability and Mitigation strategy</b></p> <ul style="list-style-type: none"> <li>Capabilities: Planning, Administrative, technical, financial, educational and outreach                             <ul style="list-style-type: none"> <li>Worksheet B: prepopulated from last plan; just update looks at plans, codes, authority</li> </ul> </li> <li>Worksheet C: NFIP FPA questionnaire</li> <li>Worksheet D: Building permits and new and anticipated development</li> </ul>	Tt; County and Municipalities to complete worksheets

	<p><b>Update Mitigation Strategy</b></p> <ul style="list-style-type: none"> <li>• Made up of goals, actions and action plan</li> <li>• Worksheet E: Evaluate status of mitigation actions; any projects that you want to include</li> <li>• One mitigation action for every HOC</li> <li>• Identify New actions/projects</li> <li>• Mitigation Workshop-TBD</li> </ul> <p><b>Update Other Sections of Plan</b></p> <ul style="list-style-type: none"> <li>• Volume 1, 2, Appendices</li> <li>• County Profile</li> <li>• Planning Process</li> <li>• Plan Maintenance</li> </ul> <p><b>Plan Review and Adoption</b></p> <ul style="list-style-type: none"> <li>• Review draft with planning team</li> <li>• Public review and comment for 30 days</li> <li>• FEMA allows you to adopt plan through resolution before APA is given</li> <li>• Plan integration: how is plan linked to local plans?</li> <li>• Explore funding options for actions and projects; grant applications</li> </ul>	
6.	<p><b>Went over each Worksheet</b></p> <ul style="list-style-type: none"> <li>• <b>Worksheet A-</b> first table is an explanation of affects felt from County and each jurisdiction from list of FEMA hazards in the worksheet; can add other events that were not FEMA declarations in second table. helps planners see damages and problems</li> <li>• <b>Worksheet B-</b>We prepopulated data from 2018 plan; Looks at building code, zoning, and land use codes, staffing available, public outreach</li> <li>• <b>Worksheet C-</b>NFIP, CRS Floodplain administrator questionnaire: whoever is most knowledgeable of NFIP program and flooding should fill out</li> <li>• <b>Worksheet D-</b> new building permits, looks at new major development and anticipated major development; survey being sent out</li> <li>• <b>Worksheet E-</b> update mitigation strategy status from the plan in 2018 and note if it needs to be included in update; worksheets will be blank for those that did not participate in 2018 plan. Heather provides description of table information and status rankings: no progress, ongoing, complete. Another table present for additional actions/projects that may be needed</li> </ul>	Tt; County and Municipalities to complete worksheets
7.	<p><b>Next Steps</b></p> <ul style="list-style-type: none"> <li>• Heather provides tentative schedule to all meeting attendees</li> <li>• Worksheets due by December 12</li> <li>• Complete worksheets, workshops, risk assessment meetings, public review, rough draft, final draft public review meeting</li> <li>• Mitigation Strategy meetings and workshops tentative schedule</li> <li>• Submit to FEMA (45 days)</li> <li>• Approvable Pending Adoption Status</li> <li>• Then HMP can be adopted</li> </ul> <p><b>Questions</b></p> <ul style="list-style-type: none"> <li>• Tom Hirschy asks when they will all get those worksheets- Heather answers and gives a date of 11/21</li> </ul>	Heather
8	<p><b>Worksheets-</b></p> <ul style="list-style-type: none"> <li>• <b>Worksheet A – Hazard Event History</b> – dollar amounts incredibly helpful for this</li> <li>• <b>Worksheet B – Capability Assessment</b></li> </ul>	

	<ul style="list-style-type: none"> <li>• <b>Worksheet C – NFIP FPA Questionnaire</b> – best person to fill this out is Floodplain Admin – if no Floodplain Admin, person with most knowledge about flooding should fill this worksheet out</li> <li>• <b>Worksheet D – Action Review</b> – previous actions, need progress description of those actions for plan update. If no progress – please explain why</li> <li>• <b>Worksheet E – Building Permits</b> – need to document how much development has/will occur within the county in the next 5 years</li> </ul>	
9	<p><b>Wrap-Up/Questions</b></p> <ul style="list-style-type: none"> <li>• Jeff and Connor say closing remarks. Heather and Doug say closing remarks. Meeting concurs at 11:01 am</li> </ul>	

DRAFT



Virtual Meeting - [Join by Computer \(https://tinyurl.com/2s3mrvsu\)](https://tinyurl.com/2s3mrvsu)

Or

Dial-in Number (toll): 832-856-3579 | Conference ID: 846 610 411# | Passcode: 3hiuA6

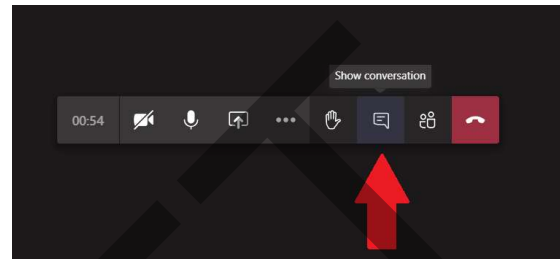
1. **Welcome and Introductions**
2. **In-Kind Services Tracking**
3. **Participation Status**
  - (28/43) jurisdictions have not submitted any worksheets
  - (3/43) jurisdictions submitted some worksheets
  - (12/43) jurisdictions submitted all worksheets
4. **Project Schedule and Status**
  - Risk Assessment Meeting – TBD
  - Public Involvement – Ongoing
  - Stakeholders – Ongoing
  - Mitigation Strategy Workshop – TBD
  - Draft Plan to Core Planning Team – April/May 2023
  - Final Draft Plan to OEMA – June 2023
  - Final Draft Plan to FEMA – August 2023
5. **Review/Finalize Hazards of Concern Review**
6. **Review/Finalize Goals and Objectives**
7. **Public and Stakeholder Outreach**
  - Strategy – press releases, social media posts, capture of miscellaneous outreach, HMP website
  - Tracking
8. **Next Steps/Questions**



## Welcome!



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# Franklin County, Ohio Hazard Mitigation Plan – 2023 Update

**Core Planning Team Meeting – Goals, Objectives,  
and Hazards of Concern**  
January 12, 2023




Leading with Science®

2



**Agenda**

- Participation Status
- Project Schedule and Status
- Review/Finalize Hazards of Concern Review
- Review/Finalize Goals and Objectives
- Public and Stakeholder Outreach
- Next Steps/Questions



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3

**In-Kind Tracking**

Jurisdiction: \_\_\_\_\_  
Name: \_\_\_\_\_ Title: \_\_\_\_\_

Date	Start Time	End Time	# hours	Task Description	Hourly Rate	Total # hours x rate	Comments
					\$		describe task in more detail.

Scan the QR code for the online form to enter your time.



4

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# Participation Status



- Annex updates are in progress
- Homework Worksheets were sent out to all participating jurisdictions
  - The jurisdictions that have not yet submitted any worksheets can be found on the following slide
- Critical Facilities
  - Ongoing
  - We will be sending out a survey in the next few weeks to collect input on the critical facilities

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Jurisdiction	Worksheet A - Hazard Event History	Worksheet B - Cap. Ass.	Worksheet C - NFIP FPA	Worksheet D - Building Permits	Worksheet E - Status of Previous Actions
Bexley (C)					
Blendon (Twp)	X	X	X	X	X
Brice (V)					
Brown (Twp)					
Canal Winchester (C)					
Clinton (Twp)					
Columbus (C)					
Dublin (C)	X	X	X	X	X
Franklin (Twp)					
Franklin County	X	X	X		X
Gahanna (C)					
Grandview Heights (C)	X				
Grove City (C)	X		X	X	X
Groveport (C)					
Hamilton (Twp)					
Harrisburg (V)					
Hilliard (C)					
Jackson (Twp)					
Jefferson (Twp)	X	X	X	X	X
Lithopolis (V)	-	-	-	-	-
Lockbourne (V)	X	X	X	X	X
Madison (Twp)	X				X
Marble Cliff (V)					
Mifflin (Twp)					
Minerva Park (V)					
New Albany (C)	X	X	X	X	X
Norwich (Twp)					
Obetz (V)	X	X	X	X	X
Perry (Twp)					
Pickerington (C)	-	-	-	-	-
Plain (Twp)	X	X	X	X	X
Pleasant (Twp)					
Prairie (Twp)	X	X	X	X	X
Reynoldsburg (C)					
Riverlea (V)	-	-	-	-	-
Sharon (Twp)					X
The Ohio State University					
Truro (Twp)					
Upper Arlington (C)	X	X	X	X	X
Urbancrest (V)					
Valleyview (V)					
Washington (Twp)	X	X	X	X	X
Westerville (C)	X	X	X	X	X
Whitehall (C)					
Worthington (C)	X	X	X	X	X

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## No Worksheets Submitted



- City of Bexley
- Village of Brice
- Township of Brown
- City of Canal Winchester
- Township of Clinton
- City of Columbus
- Township of Franklin
- City of Gahanna
- City of Groveport
- Township of Hamilton
- Village of Harrisburg
- City of Hillard
- Township of Jackson
- Township of Madison
- Village of Marble Cliff
- Township of Mifflin
- Village of Minerva Park
- Township of Norwich
- Township of Perry
- Township of Pleasant
- City of Reynoldsburg
- Township of Sharon
- Township of Turo
- Village of Urban Crest
- Village of Valleyview
- City of Whitehall
- The Ohio State University

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## Schedule – Overview and Milestones



- Planning Process - ongoing
- Core Planning Team Meeting #2 – **TODAY!**
- Risk Assessment Meeting – **TBD**
  - Does the Core Planning Team want a separate meeting to finalize the ranking for the County?
- Update Risk Assessment – **Ongoing**
- Review Hazards of Concern – **Today!**
- Goals and Objectives – **Today!**
- Public Involvement – **Ongoing**
  - Inform public of HMP and HMP website via social media and local websites
  - <https://www.franklincountyohhmp.com/>
  - [Franklin County Emergency Management and Homeland Security Facebook](#)
- Stakeholders – **Ongoing**
  - Need to finalize the list of stakeholders and send out survey
- Mitigation Strategy
  - Mitigation Strategy Workshop – **TBD**
- Draft Plan to Core Planning Team – **April/May 2023**
- Final Draft Plan to OEMA – **June 2023**
- Final Draft Plan to OEMA – **August 2023**

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## Project Status

### Data Collection - In Progress

- Plan Collection - In progress
- General Building Stock - Update in Progress
- Critical Facility Inventory - Update In Progress

### Risk Assessment - In Progress

- Hazard Profile Drafts - In progress
- Vulnerability Assessment - In progress
- Risk Assessment Meeting - **TBD**

### Public Involvement - Ongoing

- Social Media Posts
- Public Survey
- Stakeholder Surveys
- Public Outreach - Tetra Tech to provide materials

### Mitigation Strategy

- Confirm Goals And Objectives - Today!
- Confirm Hazards of Concern - Today!
- Municipal Annex Updates - In Progress
- Mitigation Workshop - **TBD**
- Develop Mitigation Strategy - Pending
- We will need to have a meeting with the CPT to identify new actions

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## Update Risk Assessment

- Update assets
- Examine previous impacts
- Analyze risks
- Review with Steering Committee and Planning Partnership
- Risk assessment meeting

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## Hazards of Concern (2018 HMP)



- Dam/Levee Failure
- Drought
- Earthquake
- Extreme Heat
- Flooding
- Invasive Species
- Karst/Sinkhole
- Severe Summer Weather
- Severe Winter Weather
- Tornadoes

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## Hazards of Concern (2023 HMP)



- Dam/Levee Failure
- Disease Outbreak
- Drought
- Earthquake
- Extreme Temperature (heat/cold)
- Flooding (inland, flash, urban/stormwater, ice jam)
- Geologic Hazards (sinkholes, erosion)
- Invasive Species
- Severe Summer Weather
- Severe Winter Weather
- Tornadoes

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## Hazards of Concern



- Dam/Levee Failure
  - 26% voted increase in frequency/severity/location
- Disease Outbreak (new to 2023)
  - 100% voted to include in the 2023 HMP update
- Drought
  - 60% voted increase in frequency/severity/location
- Earthquake
  - 100% voted no change
- Extreme Heat (Extreme Temperature – combined for 2023)
  - 50% voted increase in frequency/severity/location
  - 16% voted to remove from the 2023 HMP update
- Flooding (inland, flash, urban/stormwater, ice jam)
  - 60% voted increase in frequency/severity/location
  - 20% voted to remove from the 2023 HMP update

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## Hazards of Concern




- Invasive Species
  - 50% voted increase in frequency/severity/location
- Karst/Sinkhole (Geologic Hazards – combined for 2023)
  - 16% voted decrease in frequency/severity/location
  - 16% voted to remove from the 2023 HMP update
- Severe Summer Weather
  - 66% voted increase in frequency/severity/location
- Severe Winter Weather
  - 16% voted decrease in frequency/severity/location
  - 32% voted increase in frequency/severity/location
- Tornadoes
  - 82% voted no change

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## Hazards of Concern for 2023



- Let's take a quick poll to see if everyone agrees on the hazards for 2023.
- Click on the link in the chat or scan the QR code. 

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TETRA TECH 15

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## Hazards of Concern




- Are there any new or additional natural hazards that should be considered for the plan update? The following topics came from the survey:
  - Climate Change – will be incorporated throughout the HMP to meet FEMA requirements
  - Vectors (Mosquitos) – we will include in the disease outbreak profile
  - Urban heat island – we will include in the extreme temperature profile
  - Solar Weather – currently not identified as a hazard of concern
  - Hazardous Materials – currently not identified as a hazard of concern
  - Derecho – we will include in the summer weather profile
  - Secondary impacts – will be incorporated in each hazard profile
  - Discussions on concurrent hazards – will be incorporated in each hazard profile

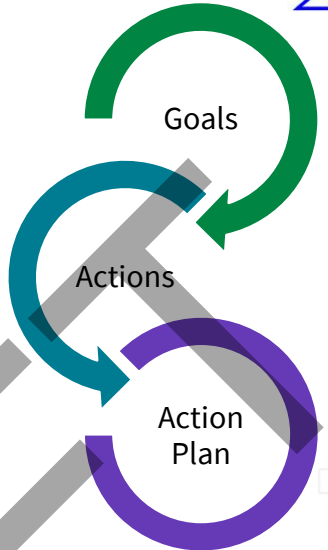
TETRA TECH 16


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# Mitigation Strategy




- Goals
  - What outcomes do you want to achieve?
- Actions
  - What specific actions will be taken to reduce risk from hazards?
- Action Plan
  - How will the actions be prioritized and implemented?




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# Goals and Objectives – Review and Update




Goal Number	Goal	Modify, Add, or Remove?
1	Integrate goals and action items from the Franklin County Natural Hazard Mitigation Plan into existing and future land-use planning documents, and existing regulatory programs.	
2	Develop inventories of at-risk infrastructure and prioritize preventative measures in areas vulnerable to natural hazards.	
3	Involve watershed and natural resource management, and all other interested parties, in natural hazards mitigation planning to rehabilitate and maintain streams and waterways.	
4	Strengthen partnerships between government agencies and private sector businesses to develop public awareness of and involvement in natural hazards mitigation strategies.	
5	Develop and implement public education programs to increase public awareness and understanding of the risks associated with natural hazards.	
6	Protect buildings in repetitive loss areas through acquisition, elevation or other mitigating activity.	

**Goal**  
 Minimize new development in hazard-prone areas

**Objectives**  
 Reduce the number of vulnerable structures in flood hazard areas.

**Actions**  
 Amend zoning ordinance to permit only open space and uses within floodplains.


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## Goals and Objectives Review



Goal Number	Goal
1	<p>Integrate goals and action items from the Franklin County Natural Hazard Mitigation Plan into existing and future land-use planning documents, and existing regulatory programs.</p> <p>Integrate goals and action items from the Franklin County Natural Hazard Mitigation Plan into existing and future land-use planning documents, existing regulatory programs, zoning code updates and floodplain management regulations.</p>
2	<p>Develop inventories of at-risk infrastructure and prioritize preventative measures in areas vulnerable to natural hazards.</p> <p>Develop inventories of at-risk infrastructure and prioritize preventative measures equitably in areas vulnerable to natural hazards.</p>

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## Goals and Objectives Review



Goal Number	Goal
3	<p>Involve watershed and natural resource management, and all other interested parties, in natural hazards mitigation planning to rehabilitate and maintain streams and waterways.</p> <p>Involve watershed and natural resource management, and all other interested parties, in natural hazards mitigation planning to rehabilitate and maintain streams and waterways, particularly in vulnerable communities.</p>
4	<p>Strengthen partnerships between government agencies and private sector businesses to develop public awareness of and involvement in natural hazards mitigation strategies.</p> <p>Strengthen partnerships between government agencies, private sector businesses, and non-profits to develop public outreach strategies and provide resources and involvement in natural hazards mitigation actions.</p>

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## Goals and Objectives Review



Goal Number	Goal
5	<p>Develop and implement public education programs to increase public awareness and understanding of the risks associated with natural hazards.</p> <p>Develop and implement public education programs to provide necessary resources to increase public awareness and understanding of the risks, resilience strategies, and safety measures associated with natural hazards.</p>
6	<p>Protect buildings in repetitive loss areas through acquisition, elevation, or other mitigating activity.</p> <p>Protect critical facilities, community lifelines, and other buildings located within hazard-vulnerable areas through acquisitions, elevations, or other mitigating activities.</p>

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## Goals and Objectives Review and Update



Objective Number	Objectives
1	Evaluate and improve safety & loss reduction codes/standards for hazards that affect Franklin County.
2	<p>Develop and strengthen public/private partnerships between the County and the business community.</p> <p>Develop and strengthen public/private partnerships between the County, non-profits, and the business community.</p>
3	Identify funding sources and obtain funds from a variety of federal, state, regional and local entities to implement mitigation activities.
4	<p>Promote sustainable communities and hazard resilient development.</p> <p>Prioritize sustainable communities, green infrastructure, and hazard resilient development.</p>
5	Continue to map hazard areas, refine existing hazard mapping data, and develop/refine loss estimation and vulnerability analysis data.

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## Goals and Objectives Review and Update



Objective Number	Objectives
6	Promote the use of emergency notification systems and weather alert systems. <i>Promote the use of emergency notification systems and weather alert systems for all hazards.</i>
7	Develop publications and information on all hazards that could potentially impact Franklin County. <i>Based on best practices from the State and FEMA, develop multi-lingual publications and guidance on how to be prepared for and respond to hazards which could impact Franklin County.</i>
8	Identify the need for, and acquire, any special emergency services, training, and equipment to enhance response and recovery capabilities for the hazards that impact Franklin County.
9	Incorporate hazard mitigation into community planning mechanisms, codes/ordinances, day-to-day operations, and projects.

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## Goals and Objectives Review and Update



Objective Number	Objectives
10	Identify and protect socially vulnerable populations from hazard impacts. <i>Identify, protect, and assist socially vulnerable populations recover from hazard impacts.</i>
11	Encourage the use of sustainable nature-based solutions to address riverine, flash, and urban/stormwater flooding.
12	Increase local government official awareness regarding funding criteria and opportunities for mitigation.
13	Provide government officials and the public with educational opportunities and information regarding best practices for preparedness, hazard mitigation planning, project identification, implementation, and integration.

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## Goals and Objectives Review and Update



Objective Number	Objectives
14	Improve data collection and sharing and increase data availability to jurisdictions to help reduce the impacts of hazards and for future planning efforts.
15	Acquire and maintain detailed data regarding critical facilities and community lifelines such that these sites can be prioritized and assessed for future mitigation actions, where needed.
16	Ensure continuity of operations of government, non-government, commerce, private sector, and infrastructure. <i>Ensure continuity of operations of government, non-government, commerce, private sector, non-profit, and infrastructure.</i>
17	Implement mitigation measures that promote the reliability of community lifeline systems.

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## Goals for the 2023 HMP



- Let's take a quick poll to see if everyone agrees on the goals and objectives for the 2023 HMP.
- Click on the link in the chat or scan the QR code.



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# Public and Stakeholder Outreach



- Social Media Posts
- Press Release
- HMP website – <https://www.franklincountyohhmp.com/>
- Planning Team meetings open to the public and stakeholders
- Stakeholder Survey
- Public Survey
- Neighboring County Outreach
  - Notified of the planning process
  - Survey


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# Next Steps/Schedule



- **Planning Process**
  - Core Planning Team Meeting #2 – **TODAY!**
- **Update Risk Assessment**
  - Data collection is underway; confirm building and critical facility inventory
  - Discuss risk assessment results – **TODAY!**
- **Public and Stakeholder Outreach**
  - Ongoing throughout the planning process
- **Capability Assessment**
  - Currently working on reviewing plans, studies, codes, and ordinances

- **Mitigation Strategy**
  - Continue working with municipalities
  - Mitigation Strategy Workshop with FEMA and State – **TBD**
- **Plan Maintenance**
  - Utilizing the BATool to review/update actions from 2023 HMP
  - Finalize plan maintenance procedures
- **Develop Plan**
  - Draft Plan to Core Planning Team – **April/May 2023**
  - Draft to Ohio EMA – **June 2023**
  - Draft to FEMA – **August 2023**
  - Adoption – **September/October 2023**


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**Thank  
You!**

**Franklin County Project Contact**  
Connor Robb, Emergency Management Specialist  
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DRAFT

Franklin County Multi-Jurisdictional  
2023 Hazard Mitigation Plan Update



Purpose of Meeting:	Core Planning Team Meeting #2
Location of Meeting:	Teleconference
Date of Meeting:	January 12, 2023

Attendees:

- |                                |   |
|--------------------------------|---|
| Douglas McIlvain, Tetra Tech   | Tom Hirschy, City of Dublin                             |
| Heather Apgar, Tetra Tech      | Greg Thomas, Franklin County Engineer's Office          |
| Jessica Stokes, Tetra Tech     | Carol Hector-Harris, NAACP                              |
| Kelly McGuire, FCEM&HS         | Carter Smith, Franklin County Emergency Management      |
| Darrel Koerber, FCEM&HS        | Matt Brown, Franklin County EDP                         |
| Brent Gates, AEP Ohio          | Jeff J. Young, FCEM&HS                                  |
| Rob Priestas, City of Columbus | Brandi Whetstone, Mid-Ohio Regional Planning Commission |
| Connor J. Robb                 | Tomeka Hopson   |
| Kota Wharton                   | Karina Peggau   |
| Alana R. Shockey               |   |

**Agenda Summary:** Discuss upcoming meetings; review and finalize Hazards of Concern, Goals, and Objectives

Item No.	Description	Action item(s):
1	<b>In-Kind Services Tracking</b>	
2	<p><b>Participation Status</b></p> <ul style="list-style-type: none"> <li>(28/43) jurisdictions have not submitted any worksheets</li> <li>(3/43) jurisdictions submitted some worksheets</li> <li>(12/43) jurisdictions submitted all worksheets</li> </ul>	<p>County</p> <ul style="list-style-type: none"> <li>Matt Brown to send information on NFIP and Building information</li> <li>Jeff Young to send email to jurisdictions about plan importance and participation</li> </ul> <p>Tetra Tech</p> <ul style="list-style-type: none"> <li>Heather to check files for County's Worksheet D</li> <li>Remove Pickerington from Plan</li> </ul>
3	<p><b>Project Schedule and Status</b></p> <ul style="list-style-type: none"> <li>Risk Assessment Meeting – TBD</li> <li>Public Involvement/Stakeholders – Ongoing                             <ul style="list-style-type: none"> <li>Website up and running</li> </ul> </li> <li>Mitigation Strategy Workshop – TBD</li> <li>Draft Plan to Core Planning Team – April/May 2023</li> <li>Final Draft Plan to OEMA – June 2023</li> <li>Final Draft Plan to FEMA – August 2023</li> </ul>	<p>Tetra Tech</p> <ul style="list-style-type: none"> <li>Final touches on graphic to use on social media should be finished next week                             <ul style="list-style-type: none"> <li>Send to County when completed</li> </ul> </li> </ul>
4	<p><b>Review/Finalize Hazards of Concern Review</b></p> <ul style="list-style-type: none"> <li>Review polling results</li> </ul>	<p>Tetra Tech</p> <ul style="list-style-type: none"> <li>Send County list of typically included focuses for Disease Outbreak and Invasive Species hazard profiles</li> </ul>



5	<p><b>Review/Finalize Goals and Objectives</b></p> <ul style="list-style-type: none"> <li>Review polling results</li> </ul>	
6	<p><b>Public and Stakeholder Outreach</b></p> <ul style="list-style-type: none"> <li>Strategy – press releases, social media posts, capture of miscellaneous outreach, HMP website</li> </ul>	<p>Tetra Tech</p> <ul style="list-style-type: none"> <li>Final touches on graphic to use on social media should be finished next week                             <ul style="list-style-type: none"> <li>Send to County when completed</li> </ul> </li> </ul>
7	<p><b>Next Steps/Questions</b></p> <ul style="list-style-type: none"> <li><b>Jeff Young:</b> Talk offline with about school and educational institutions involvement and awareness</li> <li><b>Brandi Whetstone:</b> Look at the most vulnerable areas and we can help identify community partners and trusted messengers to convene people.</li> <li><b>Tom Hirschy:</b> Will the future mitigation strategy development be as big as an assignment as the worksheets?                             <ul style="list-style-type: none"> <li>It’s an online survey/form and not as big of an assignment. You’re explaining what strategies you want to implement, how this would impact the area, and where funding may come from</li> </ul> </li> <li><b>Matt Brown: survey for in-kind tracking just says in takes the survey, doesn’t let me enter multiple.</b> <ul style="list-style-type: none"> <li>Tetra Tech will adjust this setting so you can “take the survey” again</li> </ul> </li> </ul>	<p>County</p> <ul style="list-style-type: none"> <li></li> </ul> <p>Tetra Tech</p> <ul style="list-style-type: none"> <li>Change setting in the “In-Kind Tracking” survey to allow multiple submissions</li> </ul>
	<p><b>Conclusion</b> Call ended at 2:01 PM</p>	





**Tt TETRA TECH**

# Franklin County, Ohio Hazard Mitigation Plan – 2023 Update

**Core Planning Team Meeting – Review  
Preliminary Hazard Ranking**  
April 14, 2023

If you are joining virtually,  
please enter your name and  
department/agency in the  
chat.

1




# Today's Agenda

1. Welcome
2. Progress Report
3. Public and Stakeholder Outreach
4. Risk Assessment Overview
5. Schedule
6. Questions/Next Steps/Wrap Up

2


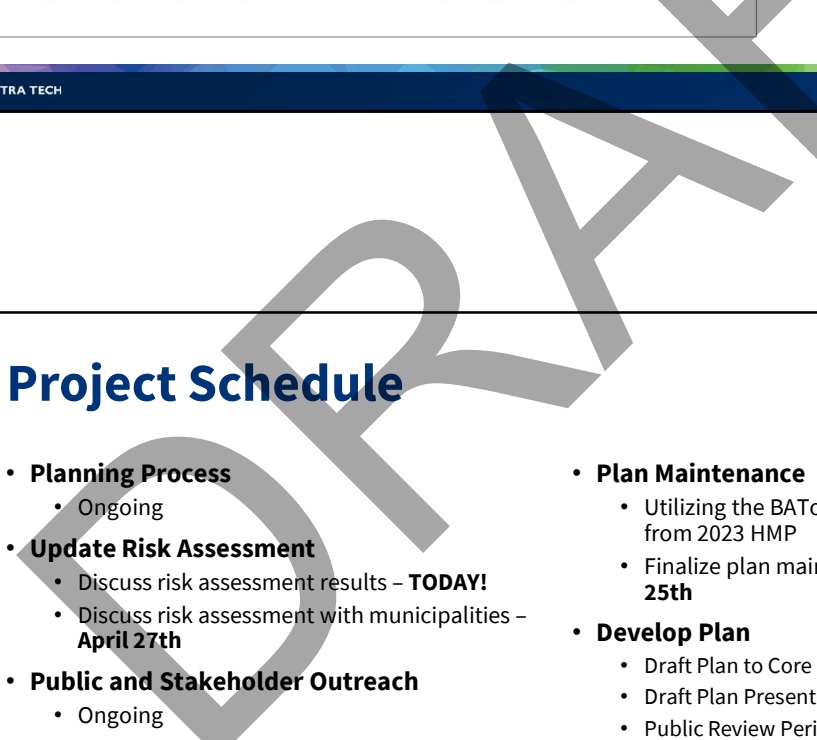
## In-Kind Tracking



Jurisdiction: \_\_\_\_\_  
Name: \_\_\_\_\_ Title: \_\_\_\_\_

Date	Start Time	End Time	# hours	Task Description	Hourly Rate	Total # hours x rate	Comments describe task in more detail
					\$		


Scan the QR code for the online form to enter your time.

**TETRA TECH** 3

3

## Project Schedule



- **Planning Process**
  - Ongoing
- **Update Risk Assessment**
  - Discuss risk assessment results – **TODAY!**
  - Discuss risk assessment with municipalities – **April 27th**
- **Public and Stakeholder Outreach**
  - Ongoing
- **Capability Assessment**
  - Ongoing
- **Mitigation Strategy**
  - Continue working with municipalities
  - Mitigation Strategy Workshop with FEMA and State – **April 27th**
- **Plan Maintenance**
  - Utilizing the BATool to review/update actions from 2023 HMP
  - Finalize plan maintenance procedures – **April 25th**
- **Develop Plan**
  - Draft Plan to Core Planning Team – **by May 10<sup>th</sup>**
  - Draft Plan Presentation – **May 12<sup>th</sup>**
  - Public Review Period – **May 15<sup>th</sup> – June 15<sup>th</sup>**
  - Draft to Ohio EMA – **June 2023**
  - Draft to FEMA – **August 2023**
  - Adoption – **September/October 2023**

**TETRA TECH** 4

4

## Participation Status

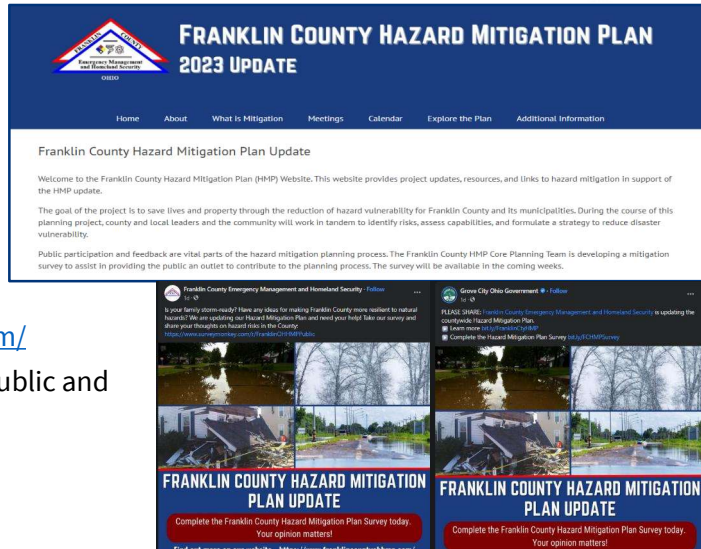
- Annex updates are in progress
- Next round of worksheets (online forms) will go out after the April 27<sup>th</sup> meeting
  - Feedback on hazard ranking
  - Mitigation actions
  - For the CPT, we will distribute these next week

- 
- Franklin County
  - Bexley (C)
  - Blendon (Twp)
  - Brice (V)
  - Brown (Twp)
  - Canal Winchester (C)
  - Clinton (Twp)
  - Columbus (C)
  - Dublin (C)
  - Franklin (Twp)
  - Gahanna (C)
  - Grandview Heights (C)
  - Grove City (C)
  - Groveport (C)
  - Hamilton (Twp)
  - Harrisburg (V)
  - Hilliard (C)
  - Jackson (Twp)
  - Jefferson (Twp)
  - Lockbourne (V)
  - Madison (Twp)
  - Marble Cliff (V)
  - Mifflin (Twp)
  - Minerva Park (V)
  - New Albany (C)
  - Norwich (Twp)
  - Obetz (C)
  - Perry (Twp)
  - Plain (Twp)
  - Pleasant (Twp)
  - Prairie (Twp)
  - Reynoldsburg (C)
  - Sharon (Twp)
  - Truro (Twp)
  - Upper Arlington (C)
  - Urbancrest (V)
  - Valleyview (V)
  - Washington (Twp)
  - Westerville (C)
  - Whitehall (C)
  - Worthington (C)
  - The Ohio State University

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## Public and Stakeholder Outreach

- Public Outreach Toolkit –
  - Social media templates and posts
  - Printable materials
- Surveys
  - Stakeholders
  - Neighboring communities
  - Public
- HMP website – <https://www.franklincountyohhmp.com/>
- Planning Team meetings open to the public and stakeholders
- Thank you for helping with this!



**FRANKLIN COUNTY HAZARD MITIGATION PLAN 2023 UPDATE**

Home About What is Mitigation Meetings Calendar Explore the Plan Additional Information

Franklin County Hazard Mitigation Plan Update

Welcome to the Franklin County Hazard Mitigation Plan (HMP) Website. This website provides project updates, resources, and links to hazard mitigation in support of the HMP update.

The goal of the project is to save lives and property through the reduction of hazard vulnerability for Franklin County and its municipalities. During the course of this planning project, county and local leaders and the community will work in tandem to identify risks, assess capabilities, and formulate a strategy to reduce disaster vulnerability.

Public participation and feedback are vital parts of the hazard mitigation planning process. The Franklin County HMP Core Planning Team is developing a mitigation survey to assist in providing the public an outlet to contribute to the planning process. The survey will be available in the coming weeks.

Franklin County Emergency Management and Homeland Security - Follow

is your family storm-ready? Have any ideas for making Franklin County more resilient to natural hazards? We are updating the Hazard Mitigation Plan and need your help! Take our survey and share your thoughts on hazard risks in the County. <https://www.franklincountyohhmp.com/>

PLEASE SHARE: Franklin County Emergency Management and Homeland Security is updating the countywide Hazard Mitigation Plan. [Learn more and take our survey!](https://www.franklincountyohhmp.com/) [Complete the Hazard Mitigation Plan Survey today!](https://www.franklincountyohhmp.com/) #OHhmp

**FRANKLIN COUNTY HAZARD MITIGATION PLAN UPDATE**

Complete the Franklin County Hazard Mitigation Plan Survey today. Your opinion matters!

Find out more on our website - <https://www.franklincountyohhmp.com/>

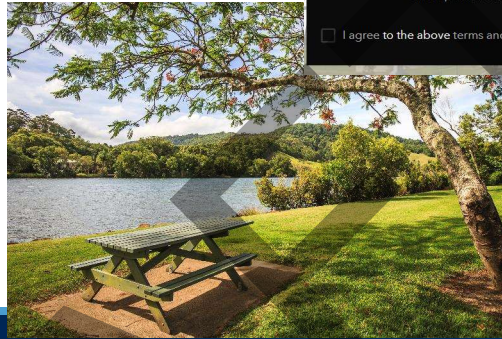
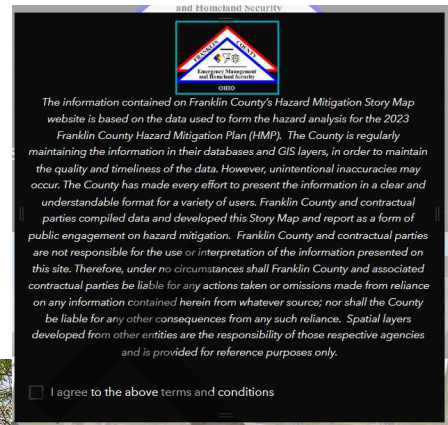
**FRANKLIN COUNTY HAZARD MITIGATION PLAN UPDATE**

Complete the Franklin County Hazard Mitigation Plan Survey today. Your opinion matters!

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## StoryMap

- Disclaimer when site accessed
- Photos of green/open space, parks, etc.



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## Risk Assessment

*How are the rankings calculated?  
What is the preliminary ranking?*



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## Hazards of Concern (2023 HMP)

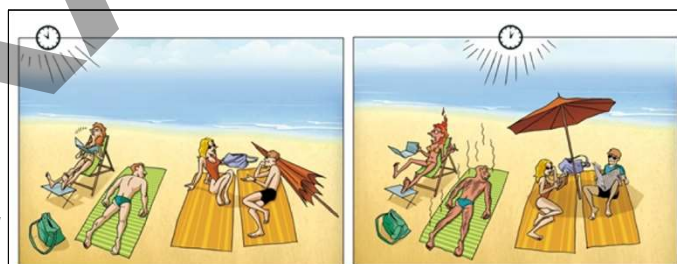


- Dam/Levee Failure
- Disease Outbreak
- Drought
- Earthquake
- Extreme Temperature (heat/cold)
- Flooding (inland, flash, urban/stormwater, ice jam)
- Geologic Hazards (sinkholes, erosion)
- Invasive Species
- Severe Summer Weather
- Severe Winter Weather
- Tornadoes

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## What is Risk?

- ✓ Hazard
  - *Something that has the potential to cause damage, injuries, and losses*
- ✓ Exposure
  - *People, property and infrastructure vulnerable to the hazard*
- ✓ Risk
  - *Probability and severity of damages to people, property, and infrastructure*



$$\text{RISK} = \text{HAZARD} \times \text{EXPOSURE}$$

### HAZARD vs RISK

A HAZARD is something that has the potential to harm you



RISK is the likelihood of a hazard causing harm



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## Purpose of the Risk Assessment

- To get a better understanding of the risks you face
- Initial results based on available data
- Quantitative data (population/structures exposed, structural damages within hazard zones) used when available
- Qualitative community input (such as unmapped flood areas) integrated to adjust results
- Local community input to adjust relative rankings

EMERGENCY MANAGEMENT AND HAZARD SECURITY

Comprehensive List of Expected Damages (\$\$\$)

Spatial Hazard Data

County Specific Building Data

Scientific Modeling (HAZUS v5 & ArcGIS)

Historic Data

TETRA TECH

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## Preliminary Hazard Ranking Formula

EMERGENCY MANAGEMENT AND HAZARD SECURITY

Impact to Population

Impact to Property

Impact to Economy


Probability of Occurrence (30%) + Impacts (30%) + Adaptive Capacity (30%) + Climate Change (10%) = Preliminary Hazard Ranking

Local community input to adjust preliminary rankings

TETRA TECH


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## How did we measure impact?




### Probability of Occurring


- **Unlikely** - not likely to occur or less than 1% annual chance of occurring
- **Rare** - between 1 and 10% annual chance of occurring
- **Occasional** - between 10 and 100% annual chance of occurring
- **Frequent** - 100% chance occurring; occurs multiple times a year




- **Low** - <15% exposed
- **Medium** - 15-29% exposed
- **High** - >30% exposed



- **Low** - <15% exposed
- **Medium** - 15-29% exposed
- **High** - >30% exposed




- **Low** - <9% exposed
- **Medium** - 10-19% exposed
- **High** - >20% exposed



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## How did we measure impact?




### Capacity

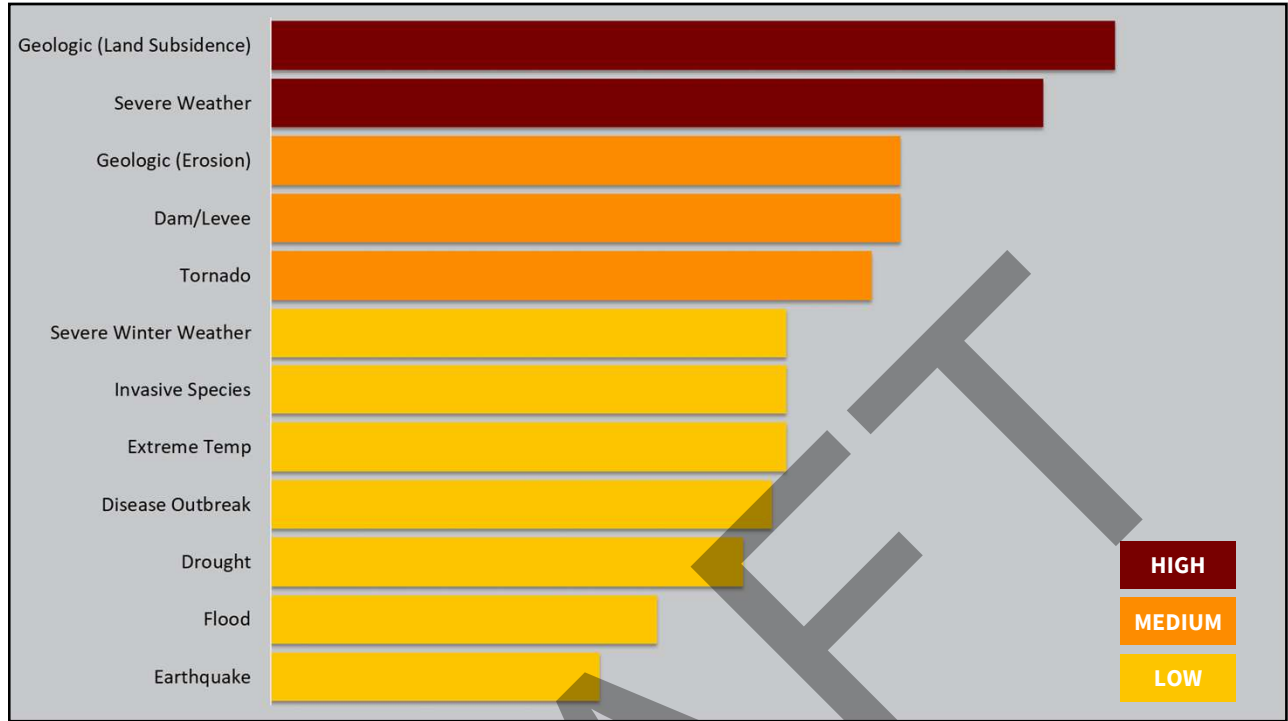
- **Low (1)** - Weak/outdated/inconsistent plans, policies, codes/ordinances in place; no redundancies; limited to no deployable resources; limited capabilities to respond; long recovery.
- **Medium (0)** - Plans, policies, codes/ordinances in place and meet minimum requirements; mitigation strategies identified but not implemented on a widespread scale; county/jurisdiction can recover but needs outside resources; moderate county/jurisdiction capabilities.
- **High (-1)** - Plans, policies, codes/ordinances in place and exceed minimum requirements; mitigation/protective measures in place; county/jurisdiction has ability to recover quickly because resources are readily available, and capabilities are high.

### Climate Change

- **Low (1)** - No local data is available; modeling projects are uncertain on whether there is increased future risk; confidence level is low (inconclusive evidence).
- **Medium (2)** - Studies and modeling projections indicate a potential for exacerbated conditions due to climate change; confidence level is medium to high (suggestive to moderate evidence).
- **High (3)** - Studies and modeling projections indicate exacerbated conditions/increased future risk due to climate change; very high confidence level (strong evidence, well-documented and acceptable methods).



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## Preliminary Hazard Ranking

Jurisdictions	Hazard Ranking											
	Dam/Levee	Disease Outbreak	Drought	Earthquake	Extreme Temp	Flood	Geologic (Erosion)	Geologic (Land Subsidence)	Invasive Species	Severe Weather	Severe Winter Weather	Tornado
Bexley (C)	Low	Low	Low	Low	Low	Low	Low	Low	Low	High	Low	Medium
Blendon (T)	Low	Low	Low	Low	Low	Low	Low	Low	Low	High	Low	Medium
Brice (V)	Low	Medium	Medium	Low	Medium	Low	High	Low	Low	High	Medium	Medium
Brown (T)	Low	Low	Low	Low	Low	Low	High	High	Low	High	Low	Medium
Canal Winchester (C)	Low	Low	Low	Low	Low	Low	High	Low	Low	High	Low	Medium
Clinton (T)	Low	Low	Low	Low	Low	Low	Low	Medium	Low	High	Low	Medium
Columbus (C)	Medium	Low	Low	Low	Low	Low	Low	Low	Low	High	Low	Medium
Dublin (C)	Medium	Low	Low	Low	Low	Low	Medium	High	Low	High	Low	Medium
Franklin (T)**	Medium	Low	Low	Low	Low	Low	High	High	Low	High	Low	Medium
Gahanna (C)	Low	Low	Low	Low	Low	Low	Low	Low	Low	High	Low	Medium
Grandview Heights (C)	Low	Low	Low	Low	Low	Low	High	High	Low	High	Low	Medium
Grove City (C)	Low	Low	Low	Low	Low	Low	High	High	Low	High	Low	Medium
Groveport (V)	Low	Low	Low	Low	Low	Low	Medium	Low	Low	High	Low	Medium
Hamilton (T)	Low	Low	Low	Low	Low	Low	Medium	Low	Low	High	Low	Medium
Harrisburg	Low	Medium	Medium	Low	Medium	Low	Low	High	Low	High	Medium	Medium
Hilliard (C)	Low	Low	Low	Low	Low	Low	High	High	Low	High	Low	Medium
Jackson (T)	Low	Low	Low	Low	Low	Low	High	High	Low	High	Low	Medium
Jefferson (T)	Low	Low	Low	Low	Low	Low	Low	Low	Low	High	Low	Medium
Lithopolis (V)	Low	Low	Low	Low	Low	Low	Low	Low	Low	High	Low	Medium
Lockbourne (V)	Low	Low	Low	Low	Low	Low	Low	Low	Low	High	Low	Medium
Madison (T)	Low	Low	Low	Low	Low	Medium	Medium	Low	Low	High	Low	Medium
Marble Cliff (V)	Low	Low	Low	Low	Low	Low	Low	High	Low	High	Low	Medium
Mifflin (T)	Low	Low	Low	Low	Low	Low	Low	Low	Low	High	Low	Medium
Minerva Park (V)	Medium	Low	Low	Low	Low	Low	Low	Low	Low	High	Low	Medium

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## Preliminary Hazard Ranking




Jurisdictions	Hazard Ranking											
	Dam/Levee	Disease Outbreak	Drought	Earthquake	Extreme Temp	Flood	Geologic (Erosion)	Geologic (Land Subsidence)	Invasive Species	Severe Weather	Severe Winter Weather	Tornado
New Albany (C)	Low	Low	Low	Low	Low	Low	Low	Low	Low	High	Low	Medium
Norwich (T)	Low	Low	Low	Low	Low	Low	High	High	Low	High	Low	Medium
Obetz (C)	Low	Low	Low	Low	Low	Low	High	Low	Low	High	Low	Medium
Perry (T)	Low	Low	Low	Low	Low	Low	Medium	High	Low	High	Low	Medium
Pickerington (C)	Low	Low	Low	Low	Low	Medium	Low	Low	Low	High	Low	Medium
Plain (T)	Low	Low	Low	Low	Low	Low	Low	Low	Low	High	Low	Medium
Pleasant (T)	Medium	Low	Low	Low	Low	Low	Low	High	High	High	Low	Medium
Prairie (T)	Low	Low	Low	Low	Low	Low	High	High	Low	High	Low	Medium
Reynoldsburg (C)	Low	Low	Low	Low	Low	Low	Low	Low	Low	High	Low	Medium
Riverlea (V)	Low	Low	Low	Low	Low	Low	Low	Low	Low	High	Low	Medium
Sharon (T)	Low	Low	Low	Low	Low	Low	Low	Low	Low	High	Low	Medium
Truro (T)	Low	Low	Low	Low	Low	Low	High	Low	Low	High	Low	Medium
Upper Arlington (C)	Medium	Low	Low	Low	Low	Low	High	High	Low	High	Low	Medium
Urbancrest (V)	Low	Low	Low	Low	Low	Low	High	High	Low	High	Low	Medium
Valleyview (V)	Low	Low	Low	Low	Low	Low	Low	High	Low	High	Low	Medium
Washington (T)	Low	Low	Low	Low	Low	Low	Low	High	Low	High	Low	Medium
Westerville (C)	Medium	Low	Low	Low	Low	Low	Low	Low	Low	High	Low	Medium
Whitehall (C)	Low	Low	Low	Low	Low	Low	Low	Low	Low	High	Low	Medium
Worthington (C)	Low	Low	Low	Low	Low	Low	Low	Low	Low	High	Low	Medium

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## Dam/Levee Failure



- Number of dams
  - 18 dams (USACE) – 3 identified as high hazard
- Number of levees
  - 3 levee systems (USACE); all used for flood risk reduction
- No reported failures or incidents
  - Any events we should include?
- Inundation areas – currently working on obtaining

Preliminary Hazard Ranking  
**MEDIUM**



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## Disease Outbreak



- Included – Lyme, West Nile, Flu, Ebola, Measles, and Covid-19
- History of occurrence throughout the County
  - While little to no reports of Ebola and Measles, it is a concern in the County
- Impacts
  - Entire population at risk
  - Property impacts – low
  - Economic impacts – depends on extent of outbreak

Preliminary Hazard  
Ranking  
**LOW**



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## Drought



- Event history is minimal
  - Drought Impact Report lists 5 events since 1950
- Impacts
  - Entire population at risk; however, >65 and <5 more at risk
  - Property impacts – low
  - Economic impacts – low

Preliminary Hazard  
Ranking  
**LOW**



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# Earthquake

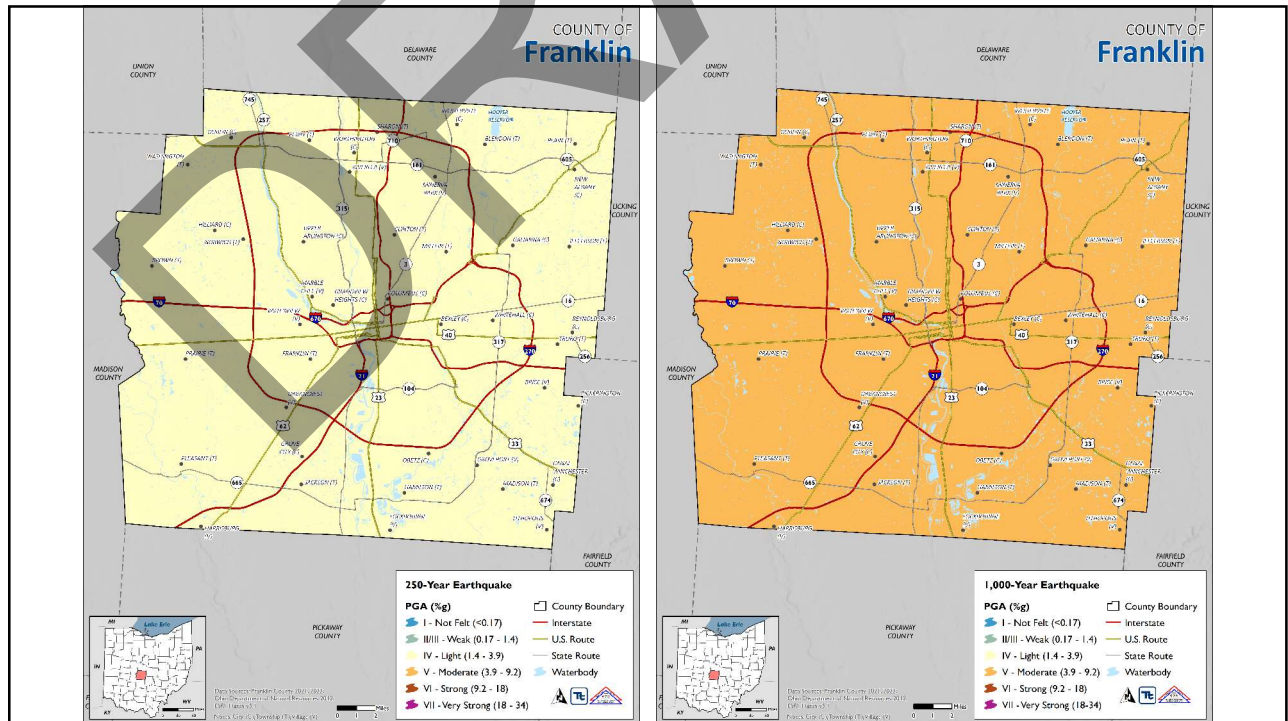


- Event history is minimal
  - No earthquakes in the County since 1950
- Impacts
  - Population - low
  - Property impacts – low
  - Economic impacts – low

Preliminary Hazard Ranking  
**LOW**



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## Extreme Temperature (hot/cold)



- Extreme Heat -  $>90^{\circ}\text{F}$ 
  - Over 200 days with a recorded high of  $>90$
- Extreme Cold -  $<25^{\circ}\text{F}$ 
  - Over 400 days with a recorded low of  $<25$
- Impacts
  - Entire population at risk; however,  $>65$  and  $<5$  more at risk
  - Property impacts – low
  - Economic impacts – low

Preliminary Hazard  
Ranking  
**LOW**



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## Flood

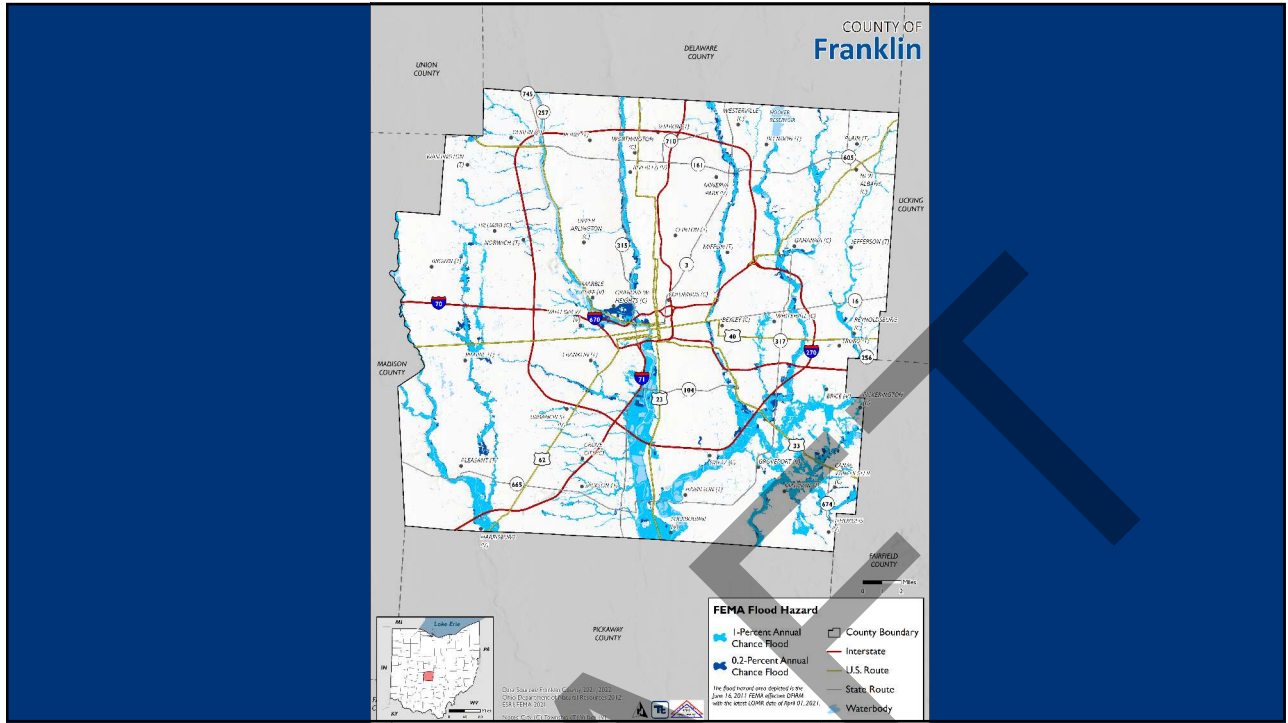


- History of occurrence throughout the County
  - 162 recorded flood events (NOAA-NCEI)
  - 8 FEMA declarations
- Impacts
  - Population and property located in the 1% SFHA
  - Economic impacts – replacement cost values of buildings in the 1% SFHA

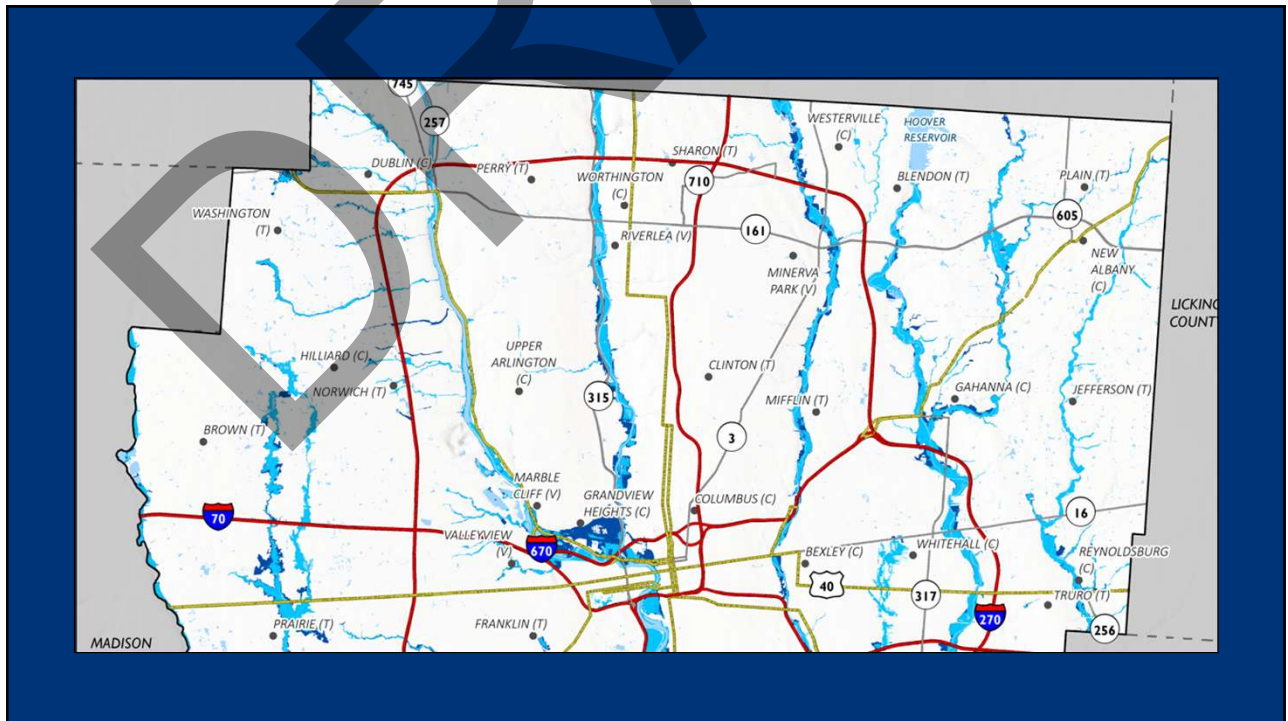
Preliminary Hazard  
Ranking  
**LOW**



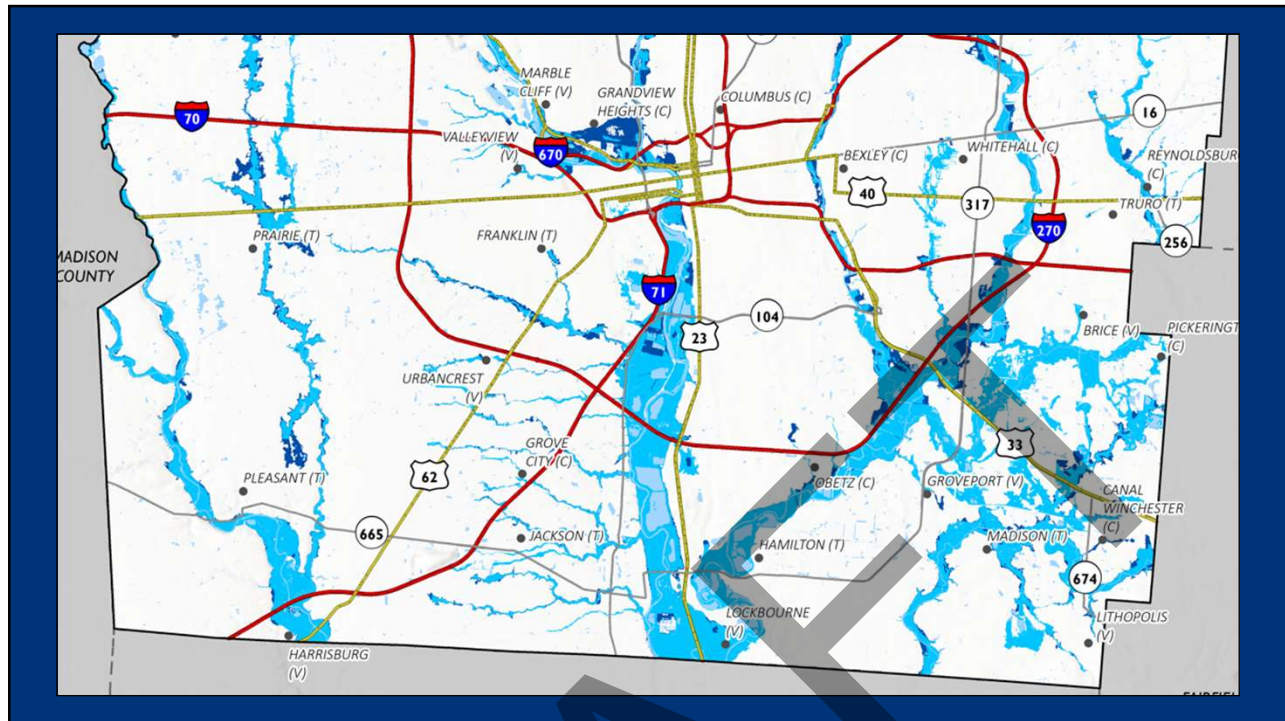
24



25



26



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## Geologic – Erosion and Land Subsidence



- Event history is minimal
  - If you have any event history in the last 5 years, let us know and we will incorporate
- Erosion
  - K Factor ( $\geq 0.49$ ) – susceptibility of a soil to erosion; the higher the K Factor the higher susceptibility
- Subsidence (sinkholes)
  - Carbonate rocks (e.g. limestone) more susceptible to dissolution by groundwater leading to sinkholes

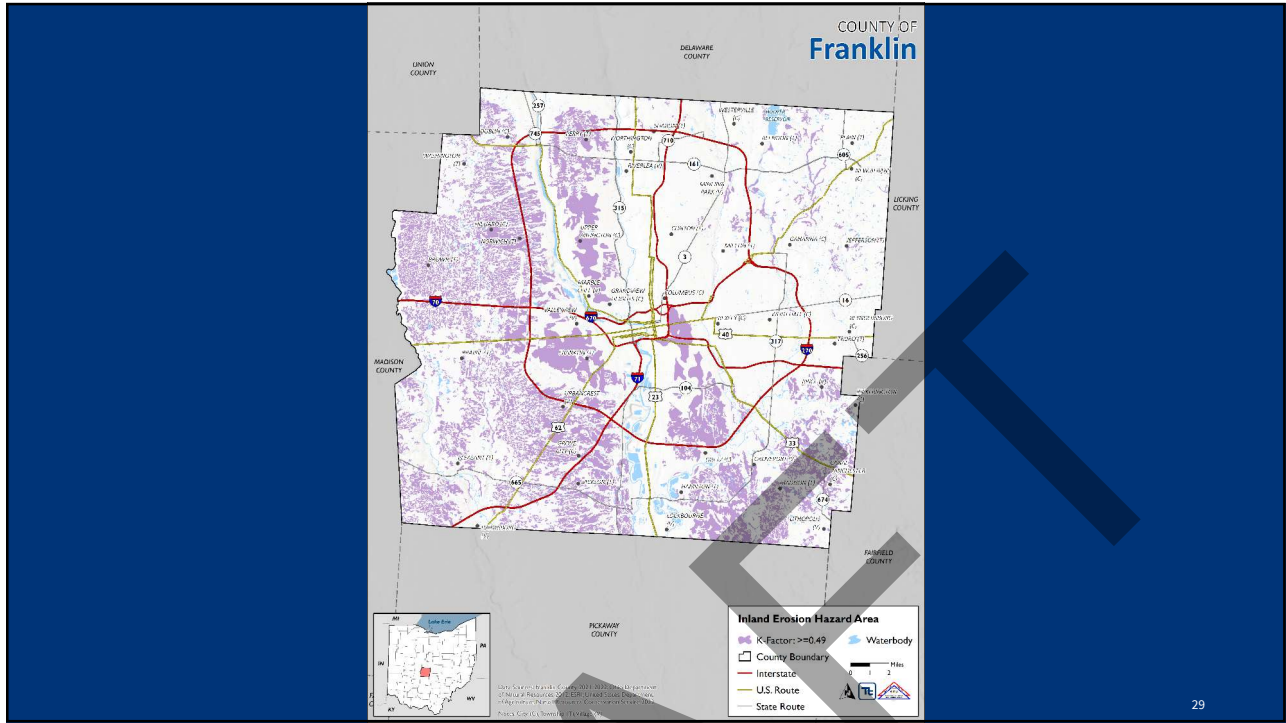
Preliminary Hazard  
Ranking

**MEDIUM**

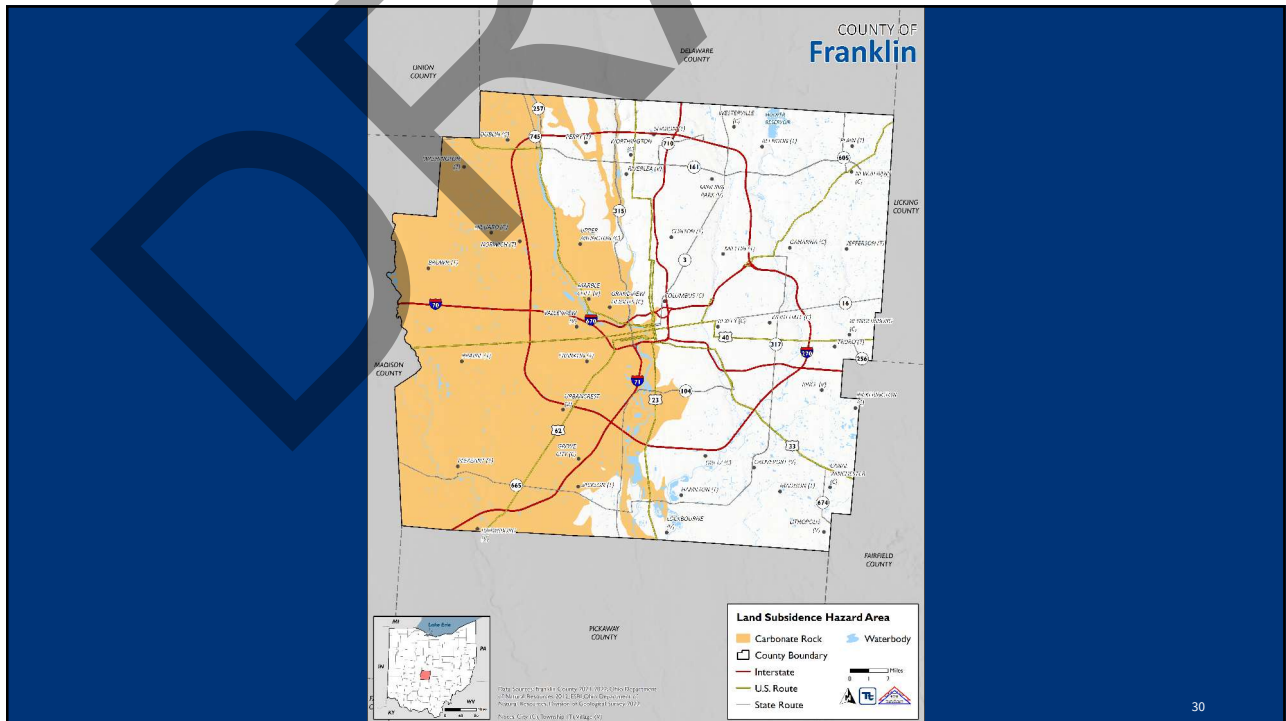
Preliminary Hazard  
Ranking

**HIGH**

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29



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## Invasive/Nuisance Species



- Included – Asian Longhorned Beetle, Emerald Ash Borer, Harmful Algal Bloom, Hemlock Woolly Adelgid, Spotted Lantern Fly, and Zebra Mussels
- Impacts
  - Entire population at risk
  - Property impacts – medium
  - Economic impacts – medium

Preliminary Hazard  
Ranking  
**LOW**



31

## Severe Weather



- Included – Hail, Lightning, Wind, Thunderstorms
- Over 500 events since 1950 (NOAA-NCEI)
- 11 FEMA declarations
- Impacts
  - Entire population at risk
  - Property impacts – medium
  - Economic impacts – medium

Preliminary Hazard  
Ranking  
**HIGH**



32



## Severe Winter Weather



- Included – Hail, Lightning, Wind, Thunderstorms
- Over 130 events since 1950 (NOAA-NCEI)
- 5 FEMA declarations
- Impacts
  - Entire population at risk; however, >65 and <5 more at risk
  - Property impacts – medium
  - Economic impacts – Low

Preliminary Hazard  
Ranking  
**LOW**



33

## Tornado



- 34 tornadoes recorded since 1950 (NOAA-NCEI)
- 6 FEMA declarations
- Impacts
  - Entire population at risk
  - Property impacts – Medium
  - Economic impacts – Low

Preliminary Hazard  
Ranking  
**MEDIUM**



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## Mitigation Strategy

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## How do you reduce risk?

- How do you reduce risk for a hazard?
  - **Manipulate the Hazard**
    - Structural flood control (e.g., flood walls, levees)
  - **Reduce/Eliminate Exposure**
    - Acquire floodprone properties
  - **Reduce Vulnerability**
    - Retrofit (e.g., floodproofing structures)
  - **Increase Capability**
    - \$, preparation, technical assistance, planning enforcement



### Mitigation Ideas

A Resource for Reducing Risk to Natural Hazards



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## Using Your Mitigation Strategy to Reduce Risk



- What is a **Mitigation Strategy**?
  - A group of projects or actions to reduce the impacts of the hazards of concern on your community
    - Plans and Regulations
    - Structure and Infrastructure Studies and Projects
    - Natural Systems Protection Studies and Projects
    - Education and Awareness Programs
- Terms to describe the Mitigation Strategy include:
  - **Mitigation Action Plan** or **Action Plan**
  - **Mitigation Projects** or **Initiatives** or **Actions**

Your Mitigation Strategy table is included in your annex. We will use action worksheets and online forms to collect details on the actions you will include in the 2023 Update.



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## Where do you need to focus?



- Stronger connection between the risk assessment and mitigation strategy
- More specific, achievable actions
  - Specific projects, in specific locations, in a specific timeframe
  - Focus on socially vulnerable populations and underserved communities
- Diverse actions
  - You need at least one action per hazard of concern. Think about actions that can cover multiple hazards.
  - Include a variety of action types (e.g., developing plans, outreach, structural, etc.)



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## Other Mitigation Actions to Consider



### Mitigation Ideas

A Resource for Reducing Risk to Natural Hazards

- Local Disaster Debris Management Plans
- Substantial Damage Management Plan
- Actions to address high-hazard or significant-hazard dams
- Public education and outreach programs
- Generators at critical facilities and community lifelines
- Floodproofing critical facilities and community lifelines
- Addressing repetitive and severe repetitive loss properties



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## Mitigation Strategy Online Form



- We will be collecting input on mitigation actions through an online form
- Complete one form per action
- We will be providing additional information to help with the actions
- Any questions, reach out!

### Franklin County HMP - Mitigation Strategies

Please use this form to develop your mitigation strategy. One form is needed for each strategy/action and FEMA requires one action per hazard of concern. However, one action can address multiple hazards. If you need assistance, please reach out to Heather Appar ([heather.appar@tetratech.com](mailto:heather.appar@tetratech.com)).

\* Required

**Contact Information**  
Complete this section with your contact information.

1. Name \*

2. Title \*



40

40



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Franklin County Multi-Jurisdictional  
2023 Hazard Mitigation Plan Update



Purpose of Meeting:	Core Planning Team Meeting #3
Location of Meeting:	Teleconference
Date of Meeting:	April 14, 2023

**Attendees:**

- |  |   |
|--|---|
| Douglas McIlvain, Tetra Tech                                   | Tamla Mann, Tetra Tech                                  |
| Tom Hirschy, City of Dublin PD                                 | Greg Thomas, Franklin County Engineer's Office          |
| Heather Apgar, Tetra Tech                                      | Carol Hector-Harris, NAACP                              |
| Jessica Stokes, Tetra Tech                                     | Matt Brown, Franklin County EDP                         |
| Kelly McGuire, FCEM&HS   | Brandi Whetstone, Mid-Ohio Regional Planning Commission |
| Brent Gates, AEP Ohio  | Jeff J. Young, FCEM&HS                                  |
| Rob Priestas, City of Columbus                                 | Kota Wharton, City of Grove City                        |
| Stephen Kranz, City of Columbus Department of Public Utilities |   |

**Agenda Summary:** Provide brief update on current planning status, review preliminary hazard ranking

Item No.	Description	Action item(s):
1	<p><b>In-Kind Services Tracking Reminder</b></p> <ul style="list-style-type: none"> <li>Use SurveyMonkey to track your time or utilize a separate Word or Excel document to help the County reach their in-kind match.</li> </ul>	-
2	<p><b>Progress Report</b></p> <ul style="list-style-type: none"> <li>75% done planning process</li> <li>On track with all portions of the process</li> <li>Wrapping up risk assessment and moving into mitigation strategy</li> <li>On schedule to have a draft plan by May 10</li> </ul>	<p>Tetra Tech</p> <ul style="list-style-type: none"> <li>Working with Municipalities to finish annexes, and starting to discuss mitigation strategies</li> </ul>
3	<p><b>Public and Stakeholder Outreach</b></p> <ul style="list-style-type: none"> <li>Over 140 responses so far for the Public Survey</li> <li>20 Stakeholder Responses</li> <li>2 Neighboring Survey Responses</li> <li>Continue to use public outreach toolkit to encourage public participation</li> <li>StoryMap being created as a method for public engagement</li> </ul>	-
4	<p><b>Risk Assessment Review</b></p> <ul style="list-style-type: none"> <li>Risk Assessment provides an idea of the understanding of the risks faced in Franklin County                             <ul style="list-style-type: none"> <li>Quantitative (where hazards areas able to be geographically defined) and Qualitative (where information is gathered and/or assumed) data and information used.</li> </ul> </li> <li>Preliminary hazard rankings for 2023 Hazards of Concern                             <ul style="list-style-type: none"> <li><b>High:</b> Geologic Hazard (Land subsidence), Severe Summer Weather</li> </ul> </li> </ul>	<p>County</p> <ul style="list-style-type: none"> <li>Send Tetra Tech any historical information for Geologic Hazards (Erosion and Land Subsidence)</li> </ul> <p>Tetra Tech</p> <ul style="list-style-type: none"> <li>Inquire whether having a low hazard ranking for dam/levee failure would impact potential HHPD funding</li> <li>Inquire with GIS staff to incorporate population protected by levees into population affected for Flood hazard</li> </ul>



	<ul style="list-style-type: none"> <li>○ <b>Medium:</b> Geologic Hazard (Erosion), Dam/Levee Failure, Tornado</li> <li>○ <b>Low:</b> Severe Winter Weather, Invasive Species, Extreme Temperature, Disease Outbreak, Drought, Flooding, Earthquake</li> <li>● Dam/Levee Failure – CPT comments to move ranking to <b>Low</b> due to current maintenance and reporting programs, history of no failures, and construction of structures; no direct decision to move from <b>Medium</b> ranking based on concerns for HHPD funding.</li> <li>● Disease Outbreak – CPT comments to move ranking to <b>Medium</b> based on recent measles outbreak and Lyme disease occurrences.</li> <li>● Drought – CPT indicates <b>Low</b> is an accurate ranking.</li> <li>● Earthquake – CPT indicates <b>Low</b> is an accurate ranking.</li> <li>● Extreme Temperature – CPT discussion to adjust population impacted, which may increase the <b>Low</b> ranking to a <b>Medium</b>.</li> <li>● Flooding – CPT decision to increase the hazard ranking to at least a <b>Medium</b> due to areas of stormwater/urban flooding not being considered from analysis.</li> <li>● Geologic Hazard (Erosion) – CPT discussion to lower ranking (<b>Medium</b>) to <b>Low</b>, as the occurrence is rare. Despite population potentially impacted being high, the historical and future likelihood to the CPT is low.</li> <li>● Geologic Hazard (Land Subsidence) – CPT discussion to lower ranking (<b>High</b>) to <b>Low</b>, as the occurrence is rare. Despite population potentially impacted being high, the historical and future likelihood to the CPT is low.</li> <li>● Invasive Species – CPT indicates <b>Low</b> is an accurate ranking.</li> <li>● Severe Summer Weather – CPT indicates <b>High</b> is an accurate ranking.</li> <li>● Severe Winter Weather – CPT discussions to increase current ranking from <b>Low</b> to <b>Medium</b> due to frequent occurrence.</li> <li>● Tornado – CPT indicates <b>Medium</b> is an accurate ranking.</li> </ul>	
5	<p><b>Mitigation Strategy</b></p> <ul style="list-style-type: none"> <li>● Formulating projects to address risks associated with hazards</li> <li>● FEMA requires at least 1 action per hazard</li> <li>● Think of specific, achievable actions for a specific timeframe</li> </ul>	<p>Tetra Tech</p> <ul style="list-style-type: none"> <li>● Will send out form to collect input on mitigation actions</li> </ul>
6	<p><b>Next Steps/Questions/Wrap-Up</b></p>	<p>-</p>



**Tt TETRA TECH**

# Franklin County, Ohio Hazard Mitigation Plan – 2023 Update

**Core Planning Team Meeting – Plan Maintenance  
Strategy**  
April 25, 2023

If you are joining virtually,  
please enter your name and  
department/agency in the  
chat.

1




# Today's Agenda

1. Welcome
2. Progress Report
3. Public and Stakeholder Outreach
4. Risk Assessment Update
5. Mitigation Strategy – questions?
6. Plan Maintenance
7. Schedule
8. Questions/Next Steps/Wrap Up

2



## In-Kind Tracking




Jurisdiction: \_\_\_\_\_

Name: \_\_\_\_\_ Title: \_\_\_\_\_

Date	Start Time	End Time	# hours	Task Description	Hourly Rate	Total # hours x rate	Comments describe task in more detail
					\$		

Scan the QR code for the online form to enter your time.




DRAFT

**TETRA TECH** 3

3

## Project Schedule



- **Planning Process**
  - Ongoing
- **Update Risk Assessment**
  - Discuss risk assessment results – **TODAY!**
  - Discuss risk assessment with municipalities – **April 27th**
- **Public and Stakeholder Outreach**
  - Ongoing
- **Capability Assessment**
  - Ongoing
- **Mitigation Strategy**
  - Continue working with municipalities
  - Mitigation Strategy Workshop with FEMA and State – **April 27th**
- **Plan Maintenance**
  - Utilizing the BATool to review/update actions from 2023 HMP
  - Finalize plan maintenance procedures – **TODAY!**
- **Develop Plan**
  - Draft Plan to Core Planning Team – **by May 17<sup>th</sup>**
    - CPT can review and comment on sections through June 24<sup>th</sup>
  - Draft Plan Presentation – **May 22<sup>nd</sup>**
  - Public Review Period – **May 24<sup>th</sup> – June 24<sup>th</sup>**
  - Draft to Ohio EMA – **June/July 2023**
  - Draft to FEMA – **July/August 2023**
  - Adoption – **September/October 2023**

DRAFT

**TETRA TECH** 4

4

## Participation Status

- Annex updates are in progress
- Next round of worksheets (online forms) will go out after the April 27<sup>th</sup> meeting
  - Feedback on hazard ranking
  - Mitigation actions
- Tetra Tech will be available after Thursday meeting to meet with municipalities

- Franklin County
- **Bexley (C)**
- Blendon (Twp)
- **Brice (V)**
- **Brown (Twp)**
- Canal Winchester (C)
- Clinton (Twp)
- **Columbus (C)**
- Dublin (C)
- Franklin (Twp)
- **Gahanna (C)**
- Grandview Heights (C)
- Grove City (C)
- Groveport (C)
- Hamilton (Twp)
- **Harrisburg (V)**
- Hilliard (C)
- **Jackson (Twp)**
- Jefferson (Twp)
- Lockbourne (V)
- Madison (Twp)
- Marble Cliff (V)
- **Mifflin (Twp)**
- Minerva Park (V)
- New Albany (C)
- **Norwich (Twp)**
- Obetz (C)
- Pery (Twp)
- Plain (Twp)
- Pleasant (Twp)
- **Reynoldsburg (C)**
- Sharon (Twp)
- Truro (Twp)
- Upper Arlington (C)
- **Urbancrest (V)**
- **Valleyview (V)**
- Washington (Twp)
- Westerville (C)
- **Whitehall (C)**
- Worthington (C)
- **The Ohio State University**

TETRA TECH
5

5

## Public and Stakeholder Outreach

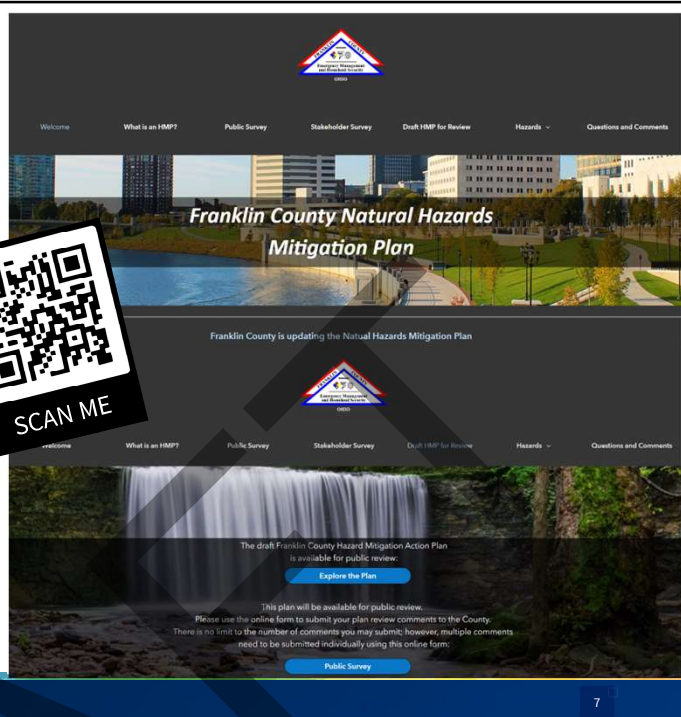
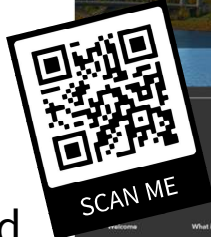
- Public Outreach Toolkit –
  - Social media templates and posts
  - Printable materials
- Surveys
  - Stakeholders
  - Neighboring communities
  - Public
- HMP website – <https://www.franklincountyohhmp.com/>
- Planning Team meetings open to the public and stakeholders
- Thank you for helping with this!

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6

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## StoryMap

- StoryMap is LIVE!
- We are still in need of pictures – if you have any photos of green/open space, parks, etc. please send them to Tetra Tech



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## Risk Assessment

- Preliminary rankings discussed at last meeting
- Incorporated input from the CPT and revised the rankings
- Any changes?
- Let's vote - <https://www.menti.com/alnad1tycis>



Hazard of Concern	Ranking
Dam/Levee	Medium
Disease Outbreak	Medium
Drought	Low
Earthquake	Low
Extreme Temp	Medium
Flood	Medium
Geologic (Erosion)	Low
Geologic (Land Subsidence)	Low
Invasive Species	Low
Severe Weather	High
Severe Winter Weather	Medium
Tornado	Medium

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## Mitigation Strategy



- Complete one form per action – <https://forms.office.com/r/CJLQXEvUY>
- Need one action per hazard of concern
- Support materials were sent out last week

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## Mitigation Strategy – Any Questions?





- Use the whiteboard in the meeting to add any questions or comments you have


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## Other Mitigation Actions to Consider







- Local Disaster Debris Management Plans
- Substantial Damage Management Plan
- Actions to address high-hazard or significant-hazard dams
- Public education and outreach programs
- Generators at critical facilities and community lifelines
- Floodproofing critical facilities and community lifelines
- Addressing repetitive and severe repetitive loss properties




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## Plan Maintenance




- HMP Coordinator
- Monitoring
- Integration of hazard mitigation with existing and future programs
- Continuous evaluation and progress reports
  - FEMA Worksheets and BATool<sup>SM</sup>
- Updating
- Continued public involvement




The diagram shows a central blue circle labeled '2023 HMP'. Five arrows point outwards to colored circles: 'Monitor' (green, top), 'Evaluate' (teal, right), 'Update' (purple, bottom-right), 'Integrate' (red, bottom-left), and 'Public Involvement' (orange, left). An arrow also points from 'Public Involvement' back to '2023 HMP'.

Plan Maintenance = keeping the HMP accurate, current, and relevant



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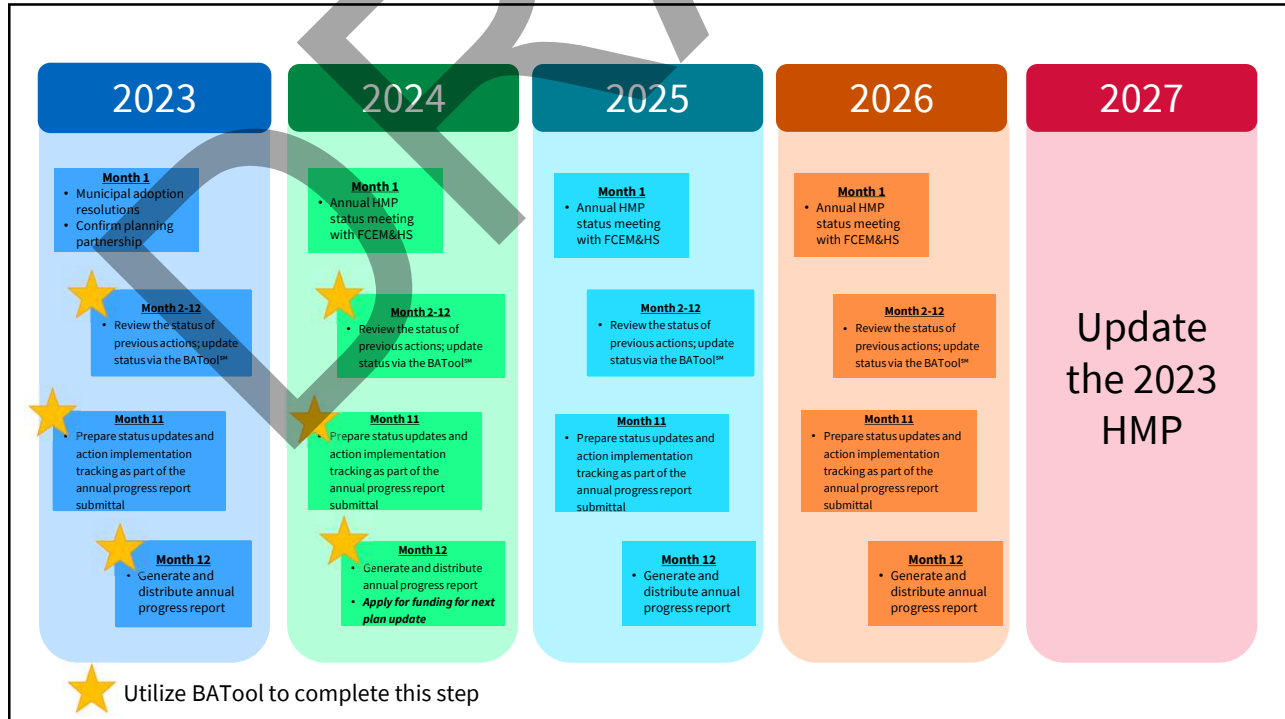
## Plan Maintenance Matrix



Task	Approach	Timeline	Lead Responsibility	Support Responsibility
<b>Monitoring</b>	Preparation of status updates and action implementation tracking as part of submission for Annual Progress Report.	October or upon major update to Comprehensive Plan or major disaster	Jurisdictional points of contact identified in Section 8 (Planning Partnership) and Section 9 (Jurisdictional Annexes)	Jurisdictional implementation lead identified in Section 8 (Planning Partnership) and Section 9 (Jurisdictional Annexes)
<b>Integration</b>	In order for integration of mitigation principles action to become an organic part of the ongoing county and municipal activities, the county will incorporate the distribution of the safe growth worksheet for annual review and update by all participating jurisdictions.	October each year with interim email reminders to address integration in county and municipal activities.	HMP Coordinator and jurisdictional points of contact identified in Section 8 (Planning Partnership) and Section 9 (Jurisdictional Annexes)	HMP Coordinator
<b>Evaluation</b>	Review the status of previous actions as submitted by the monitoring task lead and support to assess the effectiveness of the plan; compile and finalize the Annual Progress Report	Finalized progress report completed by January 31 <sup>st</sup> of each year	Steering Committee; Plan Maintenance element	Jurisdictional points of contacts identified in Section 9 (Jurisdictional Annexes)
<b>Update</b>	Reconvene the planning partners, at a minimum, every 5 years to guide a comprehensive update to review and revise the plan.	Every 5 years or upon major update to Comprehensive Plan or major disaster	HMP Coordinator	Jurisdictional points of contacts identified in Section 9 (Jurisdictional Annexes)

**TETRA TECH**

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# BATool<sup>SM</sup>

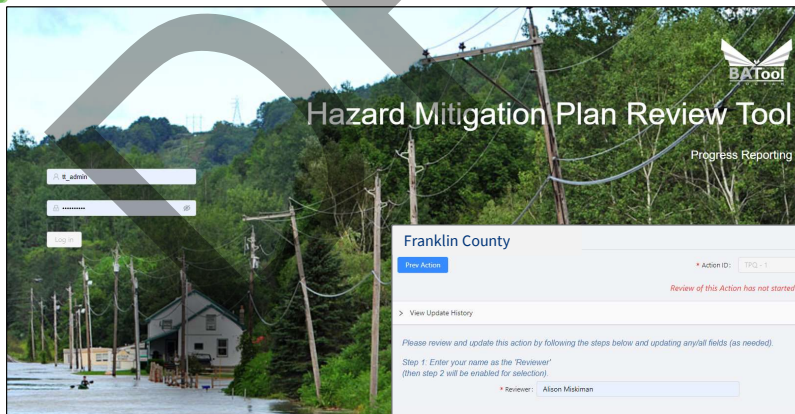


- What is it?
  - Online progress reporting for individual mitigation actions – pre-populated by Tetra Tech
  - Web-based, SQL server database created by Tetra Tech
  - Scalable for multiple applications: Federal, State or Local
  - Secure environment
  - Includes reporting function
- Each jurisdiction has a designated Point of Contact will log in with the general user name and password for the BATool [link: <https://www.ttbatool.org> ]
  - Once the plan is approved, we will send around the user name and password
- Each jurisdiction will sign in and indicate progress made on mitigation actions
- You can add or remove actions as well



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# BATool<sup>SM</sup>



Franklin County

Find Action  Add New Action

Review of this Action has not started

> View Update History

Please review and update this action by following the steps below and updating any/all fields (as needed).

Step 1: Enter your name as the "Reviewer" (then step 2 will be enabled for selection)

Reviewer:

Project/Action Status Comments:

Step 2: Update the "Action Status" field. Please continue to review and update all other fields, as needed

Action Status:

Previous Action Status:

Description of the Action:

Specific Problem Mitigated:



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**2021 CAPE MAY COUNTY HAZARD MITIGATION PLAN UPDATE PROGRESS REPORT**

**Purpose:**  
The purpose of this report is to provide an update on the implementation of the mitigation initiatives identified in the 2021 Cape May County Hazard Mitigation Plan Update. The objective is to ensure that there is a continuing planning process that will keep the 2021 Cape May County Hazard Mitigation Plan Update dynamic and responsive to the needs and capabilities of the Client Network and stakeholders.

**Planning Committee**  
For the reporting period, the committee membership is listed in Table 1.

TABLE 1 COMMITTEE		
Name	Title	Jurisdiction/Agency
Marta Padgett		Cape May County of
John Edwards		Cape May County of

**Background**  
The reporting period for this progress report is 05-18-2022 through 06-15-2022.

**Summary Overview of the Plan**  
Brief a summary of the plan:  
The performance period for the 2021 Cape May County Hazard Mitigation Plan Update is 05-18-2022, with the start date of 05-18-2022, with an end date of 06-15-2022. The performance period for the 2021 Cape May County Hazard Mitigation Plan Update is 05-18-2022, with the start date of 05-18-2022, with an end date of 06-15-2022. The performance period for the 2021 Cape May County Hazard Mitigation Plan Update is 05-18-2022, with the start date of 05-18-2022, with an end date of 06-15-2022.

2021 Cape May County-041 - The County proposes to undertake drainage improvements to three roadways and coordinate with Sea Life City to facilitate drainage in the vicinity. Ongoing permit review regarding and opening Stormwater pump stations will be considered.	No	Long Term (1-10 yrs.)	No	No	No	Progress Reported
2021 Cape May County-042 - The County proposes to retrofit existing traffic signals to promote life safety during outage incidents. <td>No</td> <td>Long Term (1-10 yrs.)</td> <td>No</td> <td>No</td> <td>No</td> <td>Progress Reported</td>	No	Long Term (1-10 yrs.)	No	No	No	Progress Reported
2021 Cape May County-044 - The construction of a sea wall around the perimeter of the Ocean City Wastewater Facility would mitigate the catastrophic flood risk. <td>No</td> <td>Long Term (1-10 yrs.)</td> <td>No</td> <td>No</td> <td>No</td> <td>Progress Reported</td>	No	Long Term (1-10 yrs.)	No	No	No	Progress Reported

**Changes That May Impact Implementation of the Plan**  
Brief a brief overview of any significant changes in the planning area that would have a profound impact on the implementation of the plan. Specify any change in technical, regulatory, and financial capabilities identified during the plan's development.

**Recommendations for Changes or Enhancements**  
Based on the review of this report by the Planning Committee, the following recommendations will be used for future updates or revisions to the plan. Table 3 lists the new initiatives added during the reporting period.

- 
- 
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**Public review notice**  
The contents of this report are considered to be public knowledge and have been prepared for total public disclosure. Copies of the report have been provided to the governing boards of all planning partners and to local media outlets. The report is public, on the Client Network website. Any questions or comments regarding the contents of this report should be directed to: [ClientNetwork@capemaynj.gov](mailto:ClientNetwork@capemaynj.gov)

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**Thank  
You!**

**Franklin County Project Contact**  
Connor Robb, Emergency Management Specialist  
(614) 724-0805 | [connor.robbs@franklincountyohio.gov](mailto:connor.robbs@franklincountyohio.gov)

**Tetra Tech Project Contacts**  
Doug McIlvain, Project Manager  
(513) 333-3662 | [douglas.mcilvain@tetrattech.com](mailto:douglas.mcilvain@tetrattech.com)

Heather Apgar, Lead Planner  
(973) 630-8046 | [heather.apgar@tetrattech.com](mailto:heather.apgar@tetrattech.com)



OHIO

Franklin County Emergency Management  
and Homeland Security  
5300 Strawberry Farms Blvd.  
Columbus, OH 43230  
(614) 794-0213 Fax (614) 882-3209

DATE: Thursday, April 27, 2023

EVENT: Hazard Mitigation Workshop

## SIGN-IN SHEET

NAME	ORGANIZATION	PHONE NUMBER	E-MAIL ADDRESS
James Beckett	Grandview Heights FD	(614) 481-6212	jbeckett@grandviewheights.gov
Tom Hirschy	Dublin	614-410-4808	thirschy@dublin.oh.us
Jessie Grubbs	OB&Z	614, 595-9844	JGrubbs@ob&z.oh.us
Ben Collins	Plain Township	614-855-2985	bcollins@plaintownship.org
Yeong T. Liang	Reynoldsburg	614 322-6824	Yliang@reynoldsburg.gov
John Marched	Washington	614-431-2425	john.marched@washington.org
Steve Arrst	Groveport	614-836-5301	sarrst@groveport.org
Allen Scott	Prairie Twp	614-878-7100	ascott@prairietownship.org
Jeff Young	FCEM & HS	614 205-8509	JYoung
Connor Robb	FCEM & HS	614-205-4170	Connor.Robb@franklincountyohio.gov



Franklin County Emergency Management  
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## SIGN-IN SHEET

NAME	ORGANIZATION	PHONE NUMBER	E-MAIL ADDRESS
STEPHEN MOORE	CITY OF GROVEPORT	614-830-2045	SMOORE@GROVEPORT.ORG
STEVE MAZUR	FRANKLIN TWP	614-279-9411	SMAZER@FRANKLIN-TOWNSHIP.COM
Stacey Boumis	city of obetz	614-491-1080	sboumis@obetz.oh.us
Anna van der Zwaag	City of New Albany	614-406-7775	avanderzwaag@newalbanyohio.org
Ben Kessner	BEAN		
JAMES SEWELL	PRAIRIE TOWNSHIP	614-580-5461	SEWELL@PRAIRIETOWNSHIP.ORG
Brian Miller	City of Westerville	614-901-6606	Brian.Miller@Westerville.org
Doug McIlvan	Tetra Tech	513-833-3662	
DAWN OVERLY	CITY OF BEXLEY	614-559-4444	DOVERLY@BEXLEY.ORG
Tami Mann	Tetra Tech	260-251-1723	tamala.mann@tetrad.com



**Tt TETRA TECH**

# Franklin County, Ohio Hazard Mitigation Plan – 2023 Update

**Planning Team Meeting – Risk Assessment and  
Mitigation Strategy**  
April 27, 2023

If you are joining virtually,  
please enter your name and  
department/agency in the  
chat.

1




# Today's Agenda

1. Welcome
2. Progress Report
3. Public and Stakeholder Outreach
4. Risk Assessment Overview
5. Schedule
6. Questions/Next Steps/Wrap Up

2


## In-Kind Tracking




Jurisdiction: \_\_\_\_\_  
 Name: \_\_\_\_\_ Title: \_\_\_\_\_

Date	Start Time	End Time	# hours	Task Description	Hourly Rate	Total # hours x rate	Comments <i>describe task in more detail</i>
					\$		


Scan the QR code for the online form to enter your time.




3


3

## Project Schedule



- **Planning Process**
  - Ongoing
- **Update Risk Assessment**
  - Discuss risk assessment with municipalities – **TODAY!**
- **Public and Stakeholder Outreach**
  - Ongoing
- **Capability Assessment**
  - Ongoing
- **Mitigation Strategy**
  - Continue working with municipalities
  - Mitigation Strategy Workshop – **TODAY!**
  - Mitigation Actions due by **May 10<sup>th</sup>**
  - Additional support webinar week of May 1<sup>st</sup>

- **Plan Maintenance**
  - Utilizing the BATool to review/update actions from 2023 HMP
  - Finalize plan maintenance procedures – **April 25th**
- **Develop Plan**
  - Draft Plan to Core Planning Team – **by May 17<sup>th</sup>**
  - Draft Plan Presentation – **May 22<sup>nd</sup>**
  - Public Review Period – **May 24<sup>th</sup> – June 24<sup>th</sup>**
  - Draft to Ohio EMA – **June/July 2023**
  - Draft to FEMA – **July/August 2023**
  - Adoption – **September/October 2023**


4

4

## Participation Status

- Annex updates are in progress
- Next round of worksheets (online forms) will go out after today's meeting
  - Feedback on hazard ranking – **due May 10th**
  - Mitigation actions – **due May 10th**

- Franklin County
- **Bexley (C)**
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- Madison (Twp)
- Marble Cliff (V)
- **Mifflin (Twp)**
- Minerva Park (V)
- New Albany (C)
- **Norwich (Twp)**
- Obetz (C)
- Pery (Twp)
- Plain (Twp)
- Pleasant (Twp)
- Prairie (Twp)
- Reynoldsburg (C)
- Sharon (Twp)
- Truro (Twp)
- Upper Arlington (C)
- **Urbancrest (V)**
- **Valleyview (V)**
- Washington (Twp)
- Westerville (C)
- **Whitehall (C)**
- Worthington (C)
- The Ohio State University

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5

5

## Public and Stakeholder Outreach

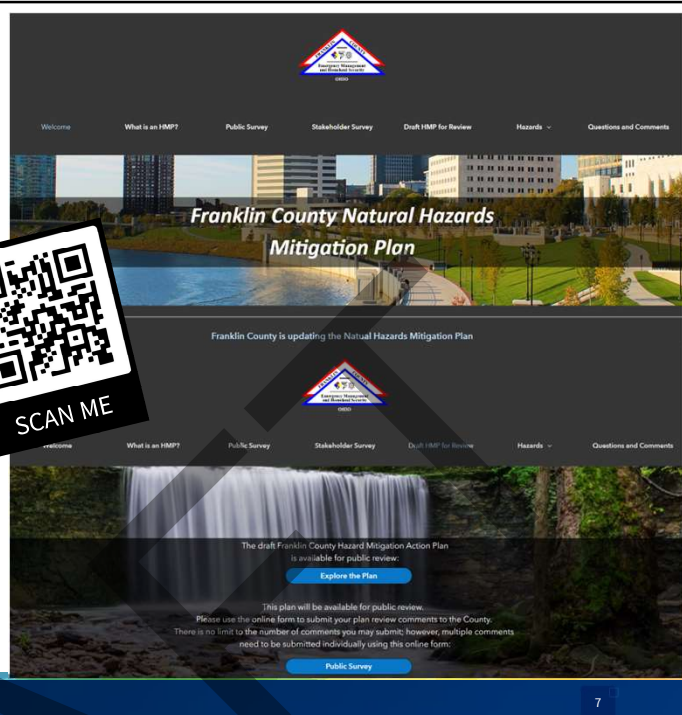
- Public Outreach Toolkit –
  - Social media templates and posts
  - Printable materials
- Surveys
  - Stakeholders
  - Neighboring communities
  - Public
- HMP website – <https://www.franklincountyohhmp.com/>
- Planning Team meetings open to the public and stakeholders
- Thank you for helping with this!

TETRA TECH
6

6

## StoryMap

- StoryMap is LIVE!
- We will send around another batch of social media graphics to promote the StoryMap – stay tuned!



TETRA TECH

7

7

## Risk Assessment

*How are the rankings calculated?  
What is the preliminary ranking?*



8

## Hazards of Concern (2023 HMP)

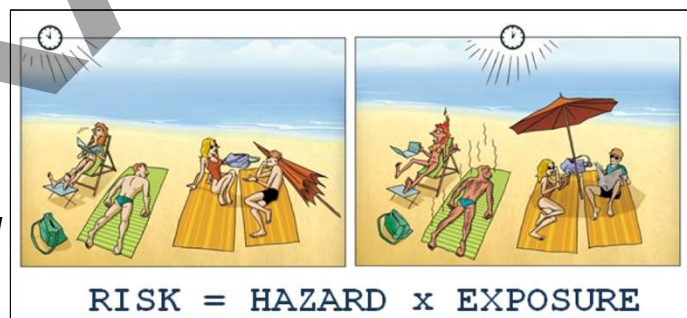


- Dam/Levee Failure
- Disease Outbreak
- Drought
- Earthquake
- Extreme Temperature (heat/cold)
- Flooding (inland, flash, urban/stormwater, ice jam)
- Geologic Hazards (sinkholes, erosion)
- Invasive Species
- Severe Summer Weather
- Severe Winter Weather
- Tornadoes

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## What is Risk?

- ✓ Hazard
  - *Something that has the potential to cause damage, injuries, and losses*
- ✓ Exposure
  - *People, property and infrastructure vulnerable to the hazard*
- ✓ Risk
  - *Probability and severity of damages to people, property, and infrastructure*



### HAZARD vs RISK

A HAZARD is something that has the potential to harm you



RISK is the likelihood of a hazard causing harm



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## Purpose of the Risk Assessment

- To get a better understanding of the risks you face
- Initial results based on available data
- Quantitative data (population/structures exposed, structural damages within hazard zones) used when available
- Qualitative community input (such as unmapped flood areas) integrated to adjust results
- Local community input to adjust relative rankings

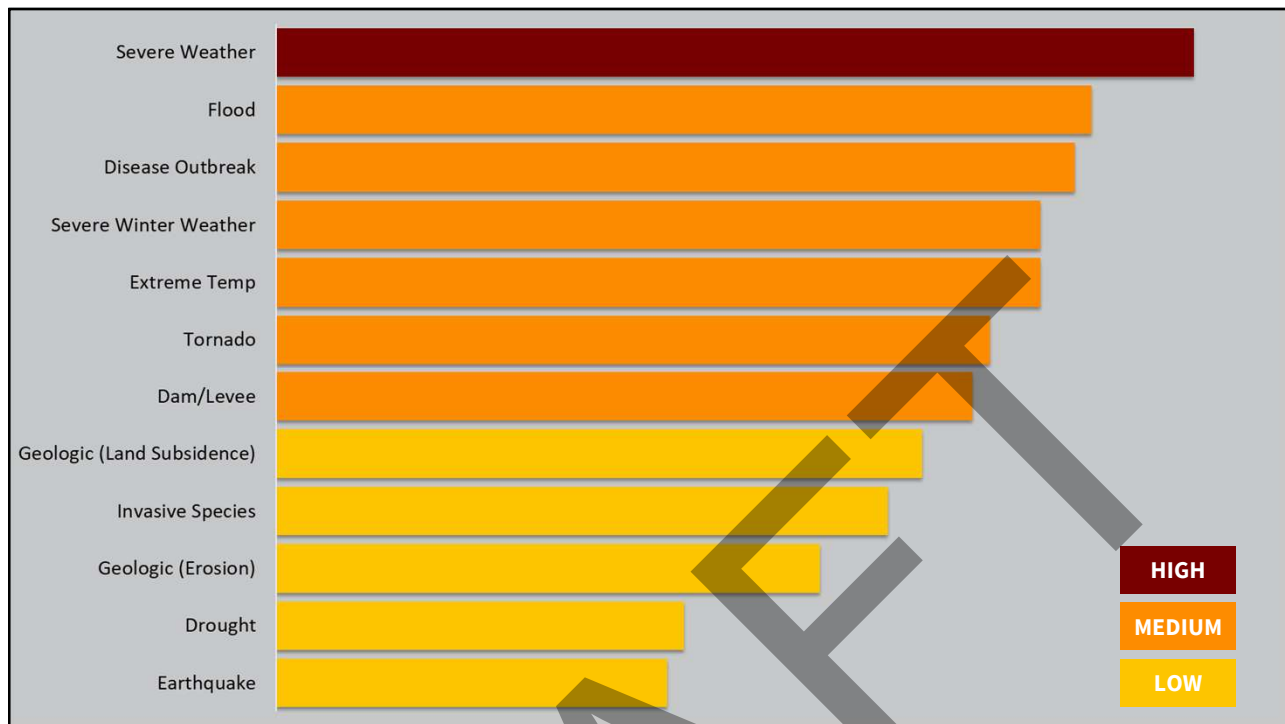
**Preliminary Hazard Ranking**

11

## What We Looked At

Hazard	Population	Property	Economy
Dam/Levee Failure	Entire Population	Entire Building Stock	Entire Replacement Costs for all Buildings
Disease Outbreak	Vulnerable populations (65+, >5, Disabled, and Poverty)	Entire Building Stock	Entire Replacement Costs for all Buildings
Drought	Vulnerable populations (Poverty)	Entire Building Stock	Entire Replacement Costs for all Buildings
Earthquake	Population exposed to 250- and 1,000-MRP	Buildings exposed to 250- and 1,000-MRP	Damage to buildings exposed to 250- and 1,000-MRP
Extreme Temperature	Vulnerable populations (65+, >5, Disabled, and Poverty)	Entire Building Stock	Entire Replacement Costs for all Buildings
Flood	Population located in 1% SFHA	Buildings located in 1% SFHA	Replacement costs of buildings in 1% SFHA
Geologic (erosion)	Population located in areas of K-factor soils $\geq 0.49$	Buildings located in areas of K-factor soils $\geq 0.49$	Replacement costs of buildings in areas of K-factor soils $\geq 0.49$
Geologic (land subsidence)	Population located in areas of karst rocks	Buildings located in areas of karst rocks	Replacement costs of buildings located in areas of karst rocks
Invasive Species	Entire Population	Entire Building Stock	Entire Replacement Costs for all Buildings
Severe Weather	Entire Population	Entire Building Stock	Entire Replacement Costs for all Buildings
Severe Winter Weather	Vulnerable populations (65+, >5, Disabled, and Poverty)	Entire Building Stock	Entire Replacement Costs for all Buildings
Tornado	Entire Population	Entire Building Stock	Entire Replacement Costs for all Buildings

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## Municipal Hazard Rankings (Preliminary)


Jurisdictions	Hazard Ranking											
	Dam/Levee	Disease Outbreak	Drought	Earthquake	Extreme Temp	Flood	Geologic (Erosion)	Geologic (Land Subsidence)	Invasive Species	Severe Weather	Severe Winter Weather	Tornado
Bexley (C)	Low	Medium	Low	Low	Medium	Medium	Low	Low	Low	High	Medium	Medium
Blendon (T)	Low	Medium	Low	Low	Medium	Medium	Low	Low	Low	High	Medium	Medium
Brice (V)	Low	Medium	Low	Low	Medium	Medium	Low	Low	Low	High	Medium	Medium
Brown (T)	Low	Low	Low	Low	Low	Medium	Low	Low	Low	High	Medium	Medium
Canal Winchester (C)	Low	Medium	Low	Low	Medium	Medium	Low	Low	Low	High	Medium	Medium
Clinton (T)	Low	Medium	Low	Low	Medium	Medium	Low	Low	Low	High	Medium	Medium
Columbus (C)	Medium	Medium	Low	Low	Medium	Medium	Low	Low	Low	High	Medium	Medium
Dublin (C)	Medium	Low	Low	Low	Low	Medium	Low	Low	Low	High	Medium	Medium
Franklin (T)	Medium	Medium	Medium	Low	Medium	Medium	Low	Low	Low	High	Medium	Medium
Gahanna (C)	Low	Medium	Low	Low	Medium	Medium	Low	Low	Low	High	Medium	Medium
GrandView Heights (C)	Low	Low	Low	Low	Low	Medium	Low	Low	Low	High	Medium	Medium
Grove City (C)	Low	Medium	Low	Low	Medium	Medium	Low	Low	Low	High	Medium	Medium
Groveport (V)	Low	Medium	Low	Low	Medium	Medium	Low	Low	Low	High	Medium	Medium
Hamilton (T)	Low	Medium	Low	Low	Medium	Medium	Low	Low	Low	High	Medium	Medium
Harrisburg	Low	Medium	Low	Low	Medium	Medium	Low	Low	Low	High	Medium	Medium
Hilliard (C)	Low	Low	Low	Low	Low	Medium	Low	Low	Low	High	Medium	Medium
Jackson (T)	Low	Medium	Low	Low	Medium	Medium	Low	Low	Low	High	Medium	Medium
Jefferson (T)	Low	Medium	Low	Low	Medium	Medium	Low	Low	Low	High	Medium	Medium
Lithopolis (V)	Low	Medium	Low	Low	Medium	Medium	Low	Low	Low	High	Medium	Medium
Lockbourne (V)	Low	Medium	Low	Low	Medium	Medium	Low	Low	Low	High	Medium	Medium
Madison (T)	Low	Medium	Low	Low	Medium	Medium	Low	Low	Low	High	Medium	Medium
Marble Cliff (V)	Low	Medium	Low	Low	Medium	Medium	Low	Low	Low	High	Medium	Medium
Mifflin (T)	Low	Medium	Low	Low	Medium	Medium	Low	Low	Low	High	Medium	Medium

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# Municipal Hazard Rankings (Preliminary)





Jurisdictions	Hazard Ranking											
	Dam/Levee	Disease Outbreak	Drought	Earthquake	Extreme Temp	Flood	Geologic (Erosion)	Geologic (Land Subsidence)	Invasive Species	Severe Weather	Severe Winter Weather	Tornado
Mnerva Park (V)	Medium	Medium	Low	Low	Medium	Medium	Low	Low	Low	High	Medium	Medium
New Albany (C)	Low	Low	Low	Low	Low	Medium	Low	Low	Low	High	Medium	Medium
Norwich (T)	Low	Low	Low	Low	Low	Medium	Low	Low	Low	High	Low	Medium
Obetz (C)	Low	Medium	Low	Low	Medium	Medium	Low	Low	Low	High	Medium	Medium
Perry (T)	Low	Low	Low	Low	Low	Medium	Low	Low	Low	High	Medium	Medium
Pickerington (C)	Low	Low	Low	Low	Low	Medium	Low	Low	Low	High	Medium	Medium
Plain (T)	Low	Low	Low	Low	Low	Medium	Low	Low	Low	High	Medium	Medium
Pleasant (T)	Medium	Medium	Low	Low	Medium	Medium	Low	Low	Low	High	Medium	Medium
Prairie (T)	Low	Medium	Low	Low	Medium	Medium	Low	Low	Low	High	Medium	Medium
Reynoldsburg (C)	Low	Medium	Low	Low	Medium	Medium	Low	Low	Low	High	Medium	Medium
Riverlea (V)	Low	Low	Low	Low	Low	Medium	Low	Low	Low	High	Low	Medium
Sharon (T)	Low	Medium	Low	Low	Medium	Medium	Low	Low	Low	High	Medium	Medium
Truro (T)	Low	Medium	Low	Low	Medium	Medium	Low	Low	Low	High	Medium	Medium
Upper Arlington (C)	Medium	Medium	Low	Low	Medium	Medium	Low	Low	Low	High	Medium	Medium
Urbancrest (V)	Low	Medium	Medium	Low	Medium	Medium	Low	Low	Low	High	Medium	Medium
Valleyview (V)	Low	Medium	Low	Low	Medium	Medium	Low	Low	Low	High	Medium	Medium
Washington (T)	Low	Low	Low	Low	Low	Medium	Low	Low	Low	High	Medium	Medium
Westerville (C)	Medium	Medium	Low	Low	Medium	Medium	Low	Low	Low	High	Medium	Medium
Whitehall (C)	Low	Medium	Low	Low	Medium	Medium	Low	Low	Low	High	Medium	Medium
Worthington (C)	Low	Medium	Low	Low	Medium	Medium	Low	Low	Low	High	Medium	Medium


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# Review Preliminary Rankings




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Please send all electronic Word versions of this worksheet to Emily Vassallo (Tetra Tech) by May 10th  
Email: [Emily.vassallo@tetratech.com](mailto:Emily.vassallo@tetratech.com)

Jurisdiction: City of Bevel  
Name/Title of Individual Completing Worksheet: \_\_\_\_\_

**What is a Hazard Ranking?**  
Hazard Ranking is used to understand your community's vulnerabilities to hazards and to prioritize projects and activities for mitigation.  
Hazard Ranking is determined by quantitative and qualitative factors including:  
1. The calculated probability of a hazard occurring based on historical data.  
2. Impacts to people, property, and the economy based on GIS data and analysis of exposure.  
3. The degree to which climate change will affect future occurrences based on best available data.  
4. Adaptive Capacity, which is the ability your community has to respond to the hazard based on ordinances, mitigation strategies and procedures, and readiness.



**What is my Hazard Ranking?**  
The following table represent the calculated rankings for the hazards of concern for your community. Please review the calculated rankings and indicate whether or not you want to adjust the ranking. If you are changing the ranking, please provide detail as to why you are changing the ranking. **REMEMBER, for every hazard of concern, you need at least one mitigation action.**

Table 1. 2023 HMP Municipal Hazard Rankings

Hazard	Agree with draft Hazard Ranking		What changes in mitigation or other conditions have resulted in the change in hazard ranking since 2018?
	Draft 2023 Ranking Based on RA Results	[Y/N] If No, indicate preferred ranking	
Dam/Levee	Low		
Disease Outbreak	Medium		
Drought	Low		
Earthquake	Low		
Extreme Temp	Medium		
Flood	Medium		
Geologic (Erosion)	Low		
Geologic (Land Subsidence)	Low		
Invasive Species	Low		

Table 2. 2023 HMP Municipal Adaptive Capacity

Hazard	Preliminary Ranking	What should we indicate for your community's adaptive capacity for each hazard?
Dam/Levee	Moderate	
Disease Outbreak	Moderate	
Drought	Moderate	
Earthquake	Moderate	
Extreme Temp	Moderate	
Flood	Moderate	
Geologic (Erosion)	Moderate	
Geologic (Land Subsidence)	Moderate	
Invasive Species	Moderate	
Severe Weather	Strong	
Severe Winter Weather	Moderate	
Tornado	Moderate	

**What is Adaptive Capacity?**  
Adaptive capacity describes a jurisdiction's current ability to protect from or withstand a hazard event.  
• **Weak** adaptive capacity means the jurisdiction does not have the capability to effectively respond, which leads to an increase in vulnerability. Examples include weak/outdated/inconsistent plans, policies, codes/ordinances in place, no redundancies, limited to no deployable resources, limited capabilities to respond, long recovery.  
• **Moderate** adaptive capacity means minimum requirements are in place, moderate capabilities, mitigation measures are identified but not implemented widespread, jurisdiction can recover but needs outside resources.  
• **Strong** adaptive capacity means the jurisdiction does have the capability to effectively respond, plans/policies exceed minimum requirements, deployable resources all of which decreases vulnerability.

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## Review Preliminary Rankings




Hazard	Draft 2023 Ranking Based on RA Results	Agree with draft hazard ranking (Y/N)? If No, indicate preferred ranking.	What changes in mitigation or other conditions have resulted in the change in hazard ranking since 2018?
Dam/Levee	Low	Yes	
Disease Outbreak	Medium	Yes	
Drought	Low	Yes	
Earthquake	Low	Yes	
Extreme Temp	Medium	Yes	
Flood	Medium	No - High	Stormwater flooding causes significant damage; flood should be ranked as high
Geologic (Erosion)	Low	Yes	
Geologic (Land Subsidence)	Low	Yes	
Invasive Species	Low	Yes	
Severe Weather	High	Yes	
Severe Winter Weather	Medium	Yes	
Tornado	Medium	No - Low	The City has never experienced a tornado; tornado should be ranked as low



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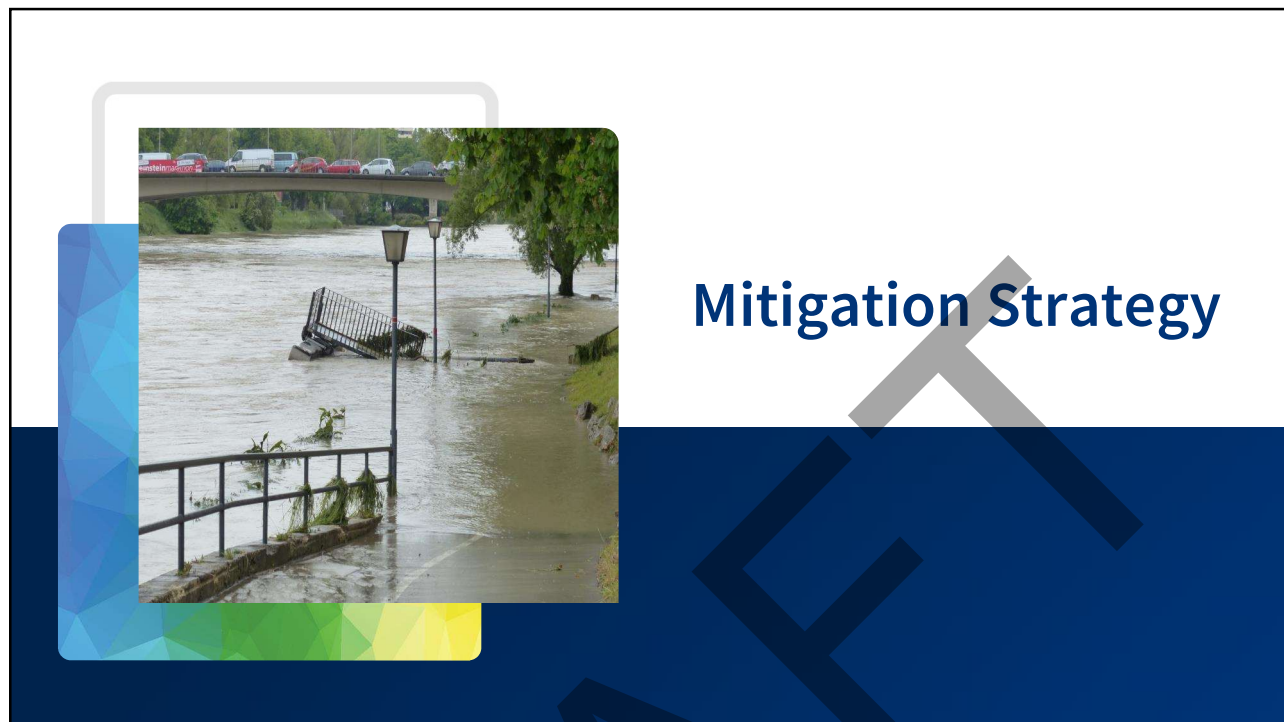
## Review Preliminary Adaptive Capacity



Hazard	Preliminary Ranking	What should we indicate for your community's adaptive capacity for each hazard?
Dam/Levee	Moderate	
Disease Outbreak	Moderate	
Drought	Moderate	Weak – many residents rely on surface water and we do not have backup water sources in the event of a severe drought
Earthquake	Moderate	
Extreme Temp	Moderate	
Flood	Moderate	
Geologic (Erosion)	Moderate	
Geologic (Land Subsidence)	Moderate	
Invasive Species	Moderate	
Severe Weather	Strong	
Severe Winter Weather	Moderate	Strong – the City experiences winter weather every year and we have programs and resources to decrease our vulnerability
Tornado	Moderate	


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## Mitigation Strategy

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## How do you reduce risk?

- How do you reduce risk for a hazard?
  - **Manipulate the Hazard**
    - Structural flood control (e.g., flood walls, levees)
  - **Reduce/Eliminate Exposure**
    - Acquire floodprone properties
  - **Reduce Vulnerability**
    - Retrofit (e.g., floodproofing structures)
  - **Increase Capability**
    - \$, preparation, technical assistance, planning enforcement

### Mitigation Ideas

A Resource for Reducing Risk to Natural Hazards

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## Using Your Mitigation Strategy to Reduce Risk



- What is a **Mitigation Strategy**?
  - A group of projects or actions to reduce the impacts of the hazards of concern on your community
    - Plans and Regulations
    - Structure and Infrastructure Studies and Projects
    - Natural Systems Protection Studies and Projects
    - Education and Awareness Programs
- Terms to describe the Mitigation Strategy include:
  - **Mitigation Action Plan** or **Action Plan**
  - **Mitigation Projects** or **Initiatives** or **Actions**

Your Mitigation Strategy table is included in your annex. We will use online forms to collect details on the actions you will include in the 2023 Update.



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## Where do you need to focus?



- **Stronger connection** between the risk assessment and mitigation strategy
- **More specific, achievable actions**
  - Specific projects, in specific locations, in a specific timeframe
  - Focus on socially vulnerable populations and underserved communities
- **Diverse actions**
  - You need at least **one action per hazard of concern**. Think about actions that can cover multiple hazards.
  - Include a variety of action types (e.g., plans, floodproof critical facilities, outreach programs, etc.)



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## Other Mitigation Actions to Consider



- Local Disaster Debris Management Plans
- Substantial Damage Management Plan
- Actions to address high-hazard or significant-hazard dams
- Public education and outreach programs
- Generators at critical facilities and community lifelines
- Floodproofing critical facilities and community lifelines
- Addressing repetitive and severe repetitive loss properties

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## Mitigation Strategy Online Form



- We will be collecting input on mitigation actions through an online form
- Complete one form per action (<https://forms.office.com/r/CJJLQXEvUY>)
- We will be providing additional information to help with the actions
- Any questions, reach out!
- All forms are **due May 10th**

Franklin County HMP - Mitigation Strategies

Please use this form to develop your mitigation strategy. One form is needed for each strategy/action and FEMA requires one action per hazard of concern. However, one action can address multiple hazards. If you need assistance, please reach out to Heather Appar ([heather.appar@tetratech.com](mailto:heather.appar@tetratech.com)).

...

\* Required

Contact Information

Complete this section with your contact information.

1. Name \*

Enter your answer

2. Title \*

Enter your answer

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# Example



Problem Type	Location	Problem	Solution
Lack of Backup Power at a Critical Facility	Obetz Police Department	The police department does not have backup generator.	Determine the proper size generator and fuel source; purchase and install generator at the Obetz Police Department . This will provide continuity of operations during power outages.
Flooding Heavy Rain Floods Basement/First Floor	Gahanna – west side of Big Walnut Creek	In periods of heavy rain sewer systems on the West Side of Gahanna have the potential to cause sewer backups in residential basements.	Complete a feasibility study of the sewer system in Gahanna to understand causes of flooding and identify ways to address flood risk. Once the study is completed, the City will determine which projects to complete first to reduce or eliminate flooding.

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**Thank  
You!**

**Franklin County Project Contact**  
Connor Robb, Emergency Management Specialist  
(614) 724-0805 | [connor.robbs@franklincountyohio.gov](mailto:connor.robbs@franklincountyohio.gov)

**Tetra Tech Project Contacts**  
Doug McIlvain, Project Manager  
(513) 333-3662 | [douglas.mcilvain@tetrattech.com](mailto:douglas.mcilvain@tetrattech.com)

Heather Apgar, Lead Planner  
(973) 630-8046 | [heather.apgar@tetrattech.com](mailto:heather.apgar@tetrattech.com)

DRAFT

## 2023 Franklin County Hazard Mitigation Plan Update



<b>Purpose of Meeting:</b>	Draft Plan Presentation	
<b>Location of Meeting:</b>	Teleconference	
<b>Date of Meeting:</b>	June 14, 2023 @ 1:00PM	
<b>Attendees:</b>	<ul style="list-style-type: none"> <li>• Jessica Stokes, Tetra Tech (Planner)</li> <li>• Heather Apgar, Tetra Tech (Planner)</li> <li>• Kelly McGuire, FCEM&amp;HS</li> <li>• Aubrey Hale, Grandview Heights</li> <li>• Stephen Moore – Groveport</li> <li>• Matt Huffman Clinton Township</li> <li>• Tom Hirschy - City of Dublin</li> <li>• Carol Hector-Harris, NAACP</li> <li>• Eric Walker, Clinton Township</li> <li>• Jeff Young FCEM&amp;HS</li> <li>• Chief Scott &amp; James Jewell - Prairie Township</li> <li>• Anna van der Zwaag, City of New Albany</li> <li>• Steve Mazer, Franklin Township</li> <li>• John Moorehead / City of Worthington</li> <li>• Greg Thomas Franklin County Engineer's Office</li> <li>• Kota Wharton, City of Grove City</li> <li>• Christopher Zimmer; UA Fire (Chief)</li> </ul>	<ul style="list-style-type: none"> <li>• Ben Collins for Plain Township (Township Administrator)</li> <li>• Stacey Boumis, Community Services Director, City of Obetz</li> <li>• Brian Miller, Westerville</li> <li>• Darryl Hughes, Grandview Heights</li> <li>• Jess Griffith, Obetz</li> <li>• Matt Peoples, Canal Winchester</li> <li>• Karina Peggau, The Ohio State University</li> <li>• Robert Priesta, Columbus</li> <li>• Connor Robb, FCEM&amp;HS</li> <li>• Shane Farnsworth, Jackson</li> <li>• Carter Smith, FCEM&amp;HS</li> <li>• Stephan Farst, Groveport</li> <li>• Tom Komlanc, Gahanna</li> <li>• William Vedra, Grove City</li> <li>• Yeong T. Jiang, Reynoldsburg</li> <li>• Mark Zambito, Worthington</li> <li>• Brent Gates, AEP Ohio</li> </ul>
<b>Agenda Summary:</b>	The purpose of the meeting was to provide an update on the planning process, discuss upcoming public and stakeholder outreach initiatives, discuss what is new within the 2023 HMP compared to the 2018 HMP, and present the contents within each section of the 2023 HMP.	
Item No.	Description	Action item(s):
1	Welcome	-
2	In-kind Tracking <ul style="list-style-type: none"> <li>• Continue tracking time spent working on the HMP</li> </ul>	-
3	Project Schedule Review <ul style="list-style-type: none"> <li>• Preparing sections of the plan for public review                             <ul style="list-style-type: none"> <li>○ Annexes sent to jurisdictions for review; deadline of June 21<sup>st</sup></li> </ul> </li> </ul>	-
6	Public and Stakeholder Outreach <ul style="list-style-type: none"> <li>• Almost 200 responses for the public survey                             <ul style="list-style-type: none"> <li>○ Survey is now closed</li> </ul> </li> <li>• New survey for plan reviewers to provide comments</li> <li>• Graphics to be sent out to promote public review period</li> <li>• StoryMap is ready to go! Interactive experience of the HMP.</li> </ul>	-
7	What's New? <ul style="list-style-type: none"> <li>• Follows new FEMA policy guide                             <ul style="list-style-type: none"> <li>○ Focuses extensively on participation, community lifelines, and socially vulnerable communities</li> </ul> </li> </ul>	-



	<ul style="list-style-type: none"> <li>Updated critical facility inventory and included community lifelines</li> <li>Hazards of Concern were streamlined; added in new hazards; introduced impacts on population buildings, lifelines, and the economy; incorporated climate change and adaptive capacity</li> <li>Jurisdictional Annexes are individual chapters for each community; one action for each hazard; enhanced capability assessment on how hazard mitigation is integrated operationally</li> </ul>	
8	<p>Section Content Summaries</p> <ul style="list-style-type: none"> <li>Identified the contents within each section of the 2023 HMP update.                             <ul style="list-style-type: none"> <li>Volume I (Sections 1-7)</li> <li>Volume II (Sections 8-9)</li> <li>Appendices (A-H)</li> </ul> </li> </ul>	-
9	<p>Review the Draft Plan</p> <ul style="list-style-type: none"> <li>Public review on June 26<sup>th</sup>; will be up for 30 days                             <ul style="list-style-type: none"> <li>On HMP website and in StoryMap</li> </ul> </li> <li>You can review sections of the plan and changes will be incorporated, or use the online form                             <ul style="list-style-type: none"> <li>All public comments are through the online form</li> </ul> </li> <li>Public feedback will be incorporated as appropriate prior to OEMA/FEMA review                             <ul style="list-style-type: none"> <li>If a meeting is needed, one will be arranged</li> </ul> </li> </ul>	-
10	<p>Next Steps</p> <ul style="list-style-type: none"> <li>Edits by June 21<sup>st</sup></li> <li>Public review (30 days) (June-July 30, starting June 26)</li> <li>OEMA/FEMA Review by August 1<sup>st</sup></li> <li>FEMA approves in October 2023; begin adoption</li> </ul>	
11	<p>Questions and Discussion</p> <ul style="list-style-type: none"> <li><b>Tom Hirschy:</b> How did you determine or what did you use to determine socially vulnerable populations?                             <ul style="list-style-type: none"> <li>Heather will follow up via email with exact information.</li> </ul> </li> </ul>	-



**Tt TETRA TECH**


# Franklin County, Ohio Hazard Mitigation Plan – 2023 Update

**Planning Team Meeting – Draft Plan Presentation**  
June 14, 2023

If you are joining through Teams, please enter your name and department/agency in the chat.

*Leading with Science®*

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# Today's Agenda

1. Welcome
2. Progress Report
3. Draft Plan Review
4. Questions/Next Steps/Wrap Up

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## In-Kind Tracking



Jurisdiction: \_\_\_\_\_  
Name: \_\_\_\_\_ Title: \_\_\_\_\_

Date	Start Time	End Time	# hours	Task Description	Hourly Rate	Total # hours x rate	Comments describe task in more detail
					\$		

Scan the QR code for the online form to enter your time.



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## Project Schedule Review



- |   |   |
|---|---|
| ✓ November 18, 2022                             | Kick-Off Meeting  |
| ✓ January 5, 2023                               | Finalize Goals and Objectives                               |
| ✓ April 25, 2023                                | Finalize Plan Maintenance                                   |
| ✓ April 27, 2023                                | Risk Assessment Presentation & Mitigation Strategy Workshop |
| ✓ November 2022 – June 2023                     | Plan Development  |
| ✓ June 14, 2023 - TODAY!!                       | Review Draft Plan – public review starting June 26th        |
| <input type="checkbox"/> August 2023            | Plan Submitted to Ohio EMA                                  |
| <input type="checkbox"/> September-October 2023 | Plan Submitted to FEMA                                      |
| <input type="checkbox"/> October-November 2023  | Plan Adoption   |

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## Annex Progress



- Looking ahead...
  - Identify new mitigation actions ASAP (if you have not done so) – we are still missing actions from many of you!
  - Complete action worksheets - <https://forms.office.com/r/CJJLQXEvUY>
  - Tetra Tech will send out your annex by this afternoon. You have until June 21<sup>st</sup> to make revisions before we post for public review

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## Public and Stakeholder Outreach



- Public Outreach Toolkit –
  - Social media templates and posts
  - Printable materials
- Surveys
  - Input on draft plan
  - We will provide outreach materials next week
- HMP website – <https://www.franklincountyohhmp.com/>
- Planning Team meetings open to the public and stakeholders
- Thank you for helping with this!

**FRANKLIN COUNTY HAZARD MITIGATION PLAN 2023 UPDATE**

Home About What is Mitigation Meetings Calendar Explore the Plan Additional Information

Franklin County Hazard Mitigation Plan Update

Welcome to the Franklin County Hazard Mitigation Plan (HMP) Website. This website provides project updates, resources, and links to hazard mitigation in support of the HMP update.

The goal of the project is to save lives and property through the reduction of hazard vulnerability for Franklin County and its municipalities. During the course of this planning project, county and local leaders and the community will work in tandem to identify risks, assess capabilities, and formulate a strategy to reduce disaster vulnerability.

Public participation and feedback are vital parts of the hazard mitigation planning process. The Franklin County HMP Core Planning Team is developing a mitigation survey to assist in providing the public an outlet to contribute to the planning process. The survey will be available in the coming weeks.

Franklin County Emergency Management and Homeland Security - Follow

Is your family storm-ready? Have any ideas for making Franklin County more resilient to natural hazards? We are updating our Hazard Mitigation Plan and need your help! Take our survey and share your thoughts on hazard risks in the County. <https://www.franklincountyoh.com/franklincountyohhmp>

Franklin County Hazard Mitigation Plan Update

Complete the Franklin County Hazard Mitigation Plan Survey today. Your opinion matters!

Find out more on our website - <https://www.franklincountyohhmp.com/>

Groves City Government - Follow

PLEASE SHARE: Franklin County Emergency Management and Homeland Security is updating the countywide Hazard Mitigation Plan. Learn more at <https://www.franklincountyoh.com/franklincountyohhmp> Complete the Hazard Mitigation Plan Survey today!

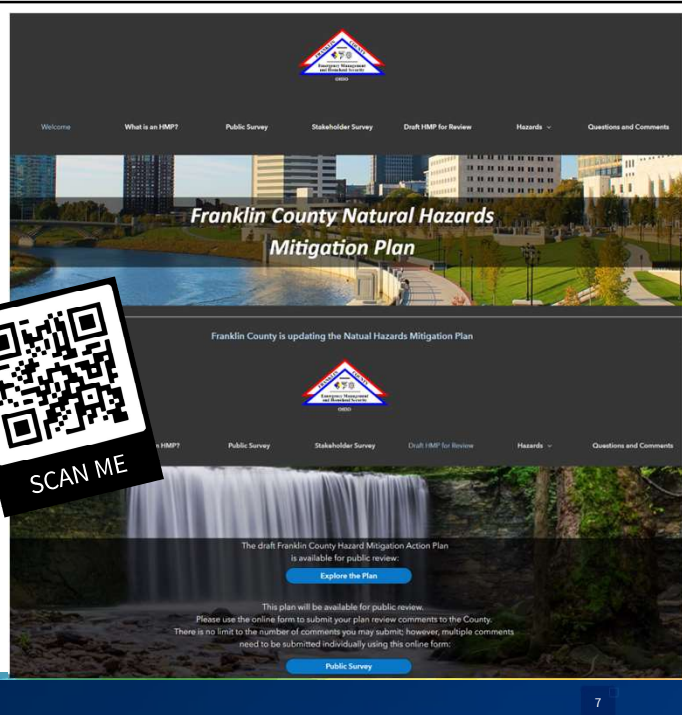
Franklin County Hazard Mitigation Plan Update

Complete the Franklin County Hazard Mitigation Plan Survey today. Your opinion matters!

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## StoryMap

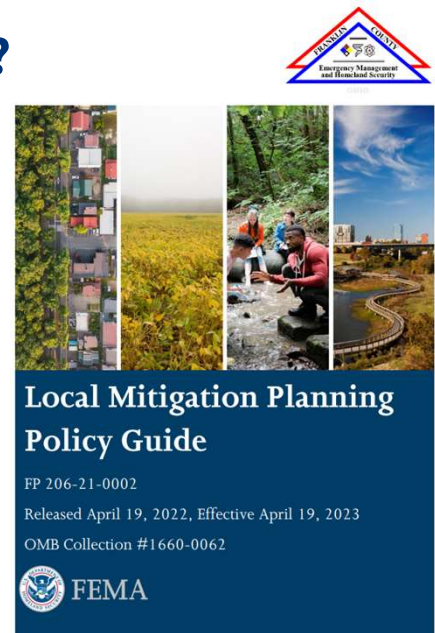
- StoryMap is LIVE!
- We will send around another batch of social media graphics to promote the StoryMap – stay tuned!



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## What's New in the 2023 Update?

- New FEMA requirements
  - Participation – engaged and actively participating throughout the process
  - Stakeholder involvement
  - Community lifelines
  - Socially vulnerable populations
  - Effects of future conditions (i.e., climate change) on hazards
  - Current and future capabilities integrating hazard mitigation
  - One mitigation action per hazard



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## What's New in the 2023 Update?



- **Critical facilities** – updated inventory and included community lifelines

- This includes – airports, bridges, cell towers, correctional facilities, dams, schools/daycares, EMS, fire, hazmat, hospitals/health care, police, utilities, tornado sirens, wastewater



## What's New in the 2023 Update?



- **Hazards of Concern** –

- Incorporated new hazards, and concise hazard profiles, including recent events
- Risk assessments for each hazard
- Climate change impacts incorporated into the probability of future occurrences
- Adaptive capacity to reduce vulnerability used in hazard ranking
- Impacts on population (general and socially vulnerable), buildings, lifelines, and economy



# What's New in the 2023 Update?



## • Jurisdictional Annexes

- Each jurisdiction has its own ‘chapter’ of the HMP that focuses on what impacts your jurisdiction and the population you serve.
- Enhanced capability assessment including how hazard mitigation is integrated
- One mitigation action for every hazard of concern

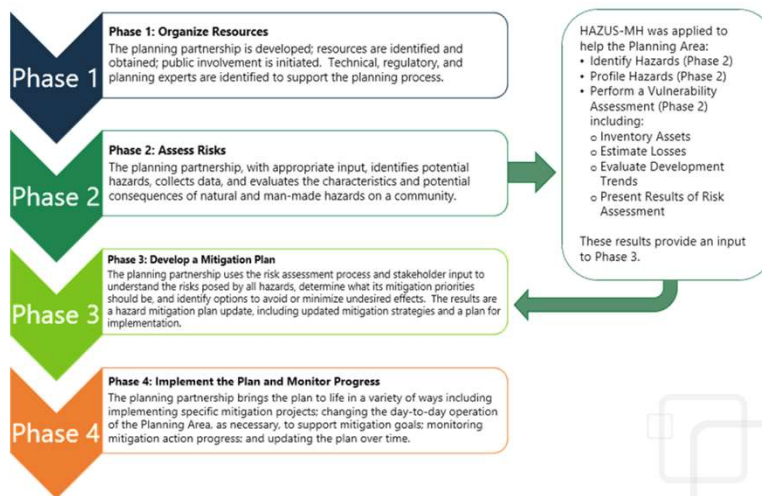
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# Section Contents – Volume I




## • Section 1 – Introduction

- Mitigation planning overview
- Participating jurisdictions
- 2023 updates and summary of changes since last plan



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# Section Contents




## Volume I

- **Section 2 – Planning Process**
  - Plan participants (committees, stakeholders, etc.)
  - Activities
  - Ongoing process


Date	DMA 2000 Requirement	Description of Activity	Participants
October 07, 2022	2	<b>Pre-Kick Off Meeting with Franklin County</b> Plan timing and administration, data needs and sharing, hazards of concern, dates, and next steps	Franklin County EM&HS, Tetra Tech
November 07, 2022	2	<b>Core Planning Team Meeting #1:</b> Welcome and Introductions, In-Kind Tracking, Project Organization, CPT Roles/Responsibilities, HMP Overview, Risk Assessment and Mitigation Strategy Overview, Data Collection, Public and Stakeholder Outreach Next Steps, and Schedule.	Franklin County EM&HS, Franklin County Economic Development & Planning, City of Dublin, City of Columbus, City of Grove, NAACP, MORPC, The Ohio State University, AEP Ohio, Sustainable Columbus, Tetra Tech
November 18, 2022	2, 3c, 4a	<b>Planning Team Meeting #1:</b> Welcome and Introductions, In-Kind Tracking, Benefits of Hazard Mitigation and Overview, Project Organization and Overview, Updating the Risk Assessment, Identifying Critical Facilities, Public and Stakeholder Outreach, Capability and Mitigation Strategies, Updating the Mitigation Strategy, Sections of Plan, Worksheet Review, Next Steps and Questions.	Franklin County EM&HS, City of Canal Winchester, City of Columbus, City of Dublin, Township of Franklin, City of Gahanna, City of Grandview Heights, Township of Jefferson, Village of Lockbourne, City of New Albany, Village of Obetz, Township of Plain, Township of Prairie, Township of Truro, City of Upper Arlington, Township of Washington, City of Westerville, City of Worthington, Tetra Tech

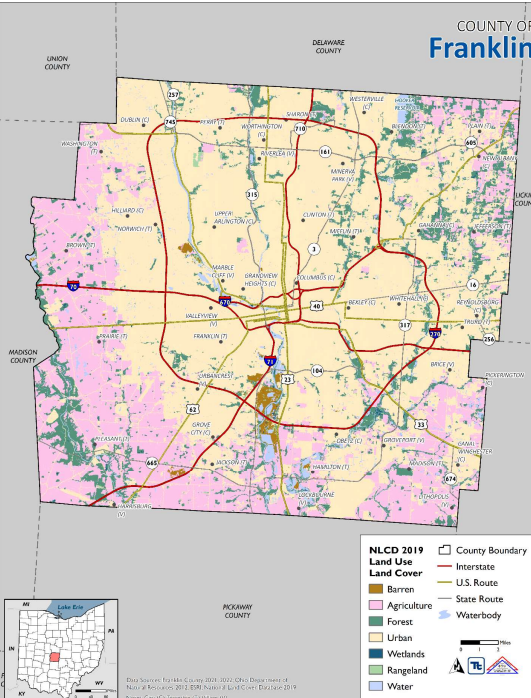




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# Section Contents – Volume I

- **Section 3 – County Profile**
  - History & Physical Setting
  - Major Hazard Event History
  - Population and Demographics
  - General Building Stock
  - Land Use and Population Trends
  - Critical Facilities & Community Lifelines






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## Section Contents – Volume I



### • Section 4 – Risk Assessment

- Identification of Hazards of Concern
  - Process to go through all potential hazards and identify the hazards that have the potential to impact the Planning Area
- Methodology and Tools
  - Describes the various procedures and tools used to complete the risk assessment
  - Steps to do so included identifying and profiling each hazard of concern; determine exposure to each hazard; and assess the vulnerability of exposed population/buildings/economy


## Section Contents – Volume I



### • Section 4 – Risk Assessment


- Hazard Profiles
  - Created individual sections for each hazard of concern.
  - Each section includes:
    - Hazard Profile – description, location, extent, worst-case scenario, previous occurrences, climate change projections, and probability of future events
    - Vulnerability Assessment – impact on life/health/safety, impact on building stock and critical facilities, impact on economy, impact on the environment, future changes that may impact vulnerability, and changes in vulnerability since the last plan
- Hazard Ranking
  - Provides a preliminary ranking (high, medium, low) of each hazard to show the Planning Area's hazards of greatest risk

## Section Contents – Volume I




### • Section 5 – Capability Assessment


- What is currently available at the federal, state, and county level to support mitigation in Franklin County
  - Available plans, programs, & resources
  - Administrative and technical capabilities
  - Fiscal capabilities
  - Education and outreach




Planning and Regulatory




Administrative and Technical




Financial



Education and Outreach


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## Section Contents – Volume I



### • Section 6 - Mitigation Strategies

- Past accomplishments
- Goals and Objectives
- Mitigation strategy development and update
  - Action identification
  - Evaluation and prioritization
  - Benefit/cost review

2023 HMP Update Goals	
1	Integrate goals and action items from the Franklin County Natural Hazard Mitigation Plan into existing and future land-use planning documents, existing regulatory programs, zoning code updates and floodplain management regulations.
2	Develop inventories of at-risk infrastructure and prioritize preventative measures equitably in areas vulnerable to natural hazards.
3	Involve watershed and natural resource management, and all other interested parties, in natural hazards mitigation planning to rehabilitate and maintain streams and waterways, particularly in vulnerable communities.
4	Strengthen partnerships between government agencies, private sector businesses, and non-profits to develop public outreach strategies and provide resources and involvement in natural hazards mitigation actions.
5	Develop and implement public education programs to provide necessary resources to increase public awareness and understanding of the risks, resilience strategies, and safety measures associated with natural hazards.
6	Protect buildings in repetitive loss areas through acquisition, elevation, or other mitigating activity.


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## Section Contents – Volume I



### • Section 7 – Plan Maintenance

- Ongoing Planning Partnership – meet annually to discuss HMP
- Monitoring
- Continuous evaluation and progress reports
- Updating
- Integrating the HMP with existing and future programs
- Continued public involvement



## BATool<sup>SM</sup>



- Online progress reporting for individual mitigation actions – pre-populated by Tetra Tech

Franklin County

Prev Action  Next Action

Review of this Action has not started

> View Update History

Please review and update this action by following the steps below and updating any/all fields (as needed).

Step 1: Enter your name as the "Reviewer" (then step 2 will be enabled for selection)

Reviewer:

Step 2: Update the "Action Status" field. Please continue to review and update all other fields, as needed.

Action Status:

Previous Action Status:

Project/Action Status Complete

Description of the Action:

Specific Problem Mitigated:

## Section Contents – Volume II

- **Section 8 – Planning Partnership**
  - Participating jurisdictions
  - Introduction to jurisdictional annexes
- **Section 9 – Jurisdictional Annexes**
  - Points of Contact and Who Participated
  - Jurisdictional Profile
  - Capabilities
  - Risk Assessment
  - Status of Past Mitigation Actions
  - Current Mitigation Actions

SECTION 9. JURISDICTIONAL ANNEXES  
 9.1 CITY OF CANAL WINCHESTER

This section presents the jurisdictional annex for the City of Canal Winchester that provides resources and information to assist public and private sectors to reduce losses from future hazard events. This annex is not guidance of what to do when a disaster occurs. Rather, this annex concentrates on actions to reduce or eliminate damage to property and people that can be implemented prior to a disaster. Information presented includes a general overview of the municipality, who in the City of Canal Winchester participated in the planning process, an assessment of the City of Canal Winchester's risk and vulnerability, the different capabilities used in the City of Canal Winchester, and an action plan that will be implemented to achieve a more resilient community.

**9.1.1 Hazard Mitigation Planning Team**

The City of Canal Winchester identified the hazard mitigation plan primary and alternate points of contact and developed this plan over the course of several months with input from many City of Canal Winchester departments, including Department of Public Services. The Director of Public Services represented the community on the Franklin County Hazard Mitigation Plan Planning Partnership and supported the local planning process requirements by securing input from persons with specific knowledge to enhance the plan. All departments were asked to contribute to the annex development through participating in action identification and reporting on the status of...

Project Number	Mitigation Initiative Name	Description of Problem and Solution	New or Existing Asset?	Hazard(s) to be Mitigated	Goals Met	Estimated Timeline	Lead and Support Agencies	Potential Funding Sources	Estimated Benefits	Estimated Costs	Priority	Integration	OS Category
2023-Canal Winchester-001	Generator Installation	<b>Problem:</b> There are three electrical water towers that do not have backup emergency power and communication. The water treatment plant and the communication towers are interrupted when severe weather causes local power outages. <b>Solution:</b> Provide generator for water tower to maintain control system communication.	Existing	Drought, Earthquake, Extreme Temp, Flood, Geologic, Severe Weather, Severe Winter Weather, Tornado	6	1 Year	Department of Public Service, Division of Water	City Budget, BRC, HMGP	City will maintain use of water for consumption and fire protection.	\$40,000	High	SIP	SP
2023-Canal Winchester-002	Installation of Emergency Sirens	<b>Problem:</b> The City does not have emergency hazard sirens in place that are able to alert all residents in the City. <b>Solution:</b> The City will seek funding for purchase and installation of	New	Dam/Levee, Disease Outbreak, Drought, Earthquake, Extreme Temp, Flood, Generator	4	1 Year	Department of Public Service	City Budget, HMGP	Residents in the City will have more time to shelter from tornado events.	>\$100,000	High	SIP	PR

## Section Contents - Appendices



- Appendix A Plan Adoption
- Appendix B Participation Documentation
- Appendix C Meeting Documentation
- Appendix D Public and Stakeholder Outreach Documentation
- Appendix E Mitigation Strategy Supplementary Data
- Appendix F Plan Maintenance Tools
- Appendix G Critical Facilities
- Appendix H Linkage Procedures

## Review the Draft Plan



- The entire plan will be posted on the Franklin County HMP website for a 30-day review period (starting Monday, June 25th)
  - You can review sections of the plan during the public review, and we will incorporate any applicable revisions into the final deliverable to the State and FEMA
- Ohio EMA will begin their review after the public review period
- Public feedback to be incorporated as appropriate prior to submittal to Ohio EMA/FEMA for their review
  - If needed, we will hold a brief meeting to discuss public comments and how to incorporate – date TBD

## Next Steps



- Draft Plan Review Meeting – TODAY!
- Any edits to sections of the plan are due **June 21, 2023**
  - This includes your jurisdictional annex! If we do not have any input by June 21st, your annex will be posted as-is for the public review period.
- Public Review Period (30 days) – June-July 2023 (starting June 26th)
- Submit Draft Plan for Ohio EMA/FEMA Review by August 1, 2023
- FEMA approves plan (~October 2023); begin adoption
- Implement Projects and Maintain the Plan → Increase Resilience!



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# APPENDIX D. PUBLIC AND STAKEHOLDER OUTREACH

This appendix provides documentation of public and stakeholder outreach. Stakeholder involvement in this planning process was broad and productive as discussed and further documented in Section 2 (Planning Process). Public and stakeholder input has been incorporated throughout this HMP as appropriate, as identified in Section 2 and the References section, as well as within specific mitigation initiatives identified within the jurisdictional annexes (Section 9). Respondent feedback filtered by jurisdiction is included in each jurisdictional annex as available to provide an indication of community resident concerns related to natural hazards.

## D.1 WEBSITE AND SOCIAL MEDIA POST

The following provides screenshots of websites, news articles, and social media posts.

*Table D-1. Website and Social Media Posts*

Date of Post	Jurisdiction	Format
March 21, 2023	Grove City	Facebook Post
March 23, 2023	Prairie Township	Facebook Post
March 25, 2023	City of Obetz	Facebook Post
March 28, 2023	Canal Winchester	Facebook Post
March 28, 2023	Franklin County OEM	Facebook Post
March 30, 2023	Franklin County OEM	Facebook Post
March 30, 2023	Prairie Township	Facebook Post
April 5, 2023	City of Obetz	Facebook Post
April 6, 2023	The Ohio State University	Facebook Post
April 6, 2023	Prairie Township	Facebook Post
April 6, 2023	State Climate Office of Ohio	Facebook Post
April 9, 2023	The Ohio State University	Facebook Post
April 10, 2023	Plain Township	Facebook Post

Figure D-1. Screenshots of Public Outreach by the Planning Team





## D.2 STAKEHOLDER SURVEYS

This section contains information and results gathered from the Franklin County HMP Stakeholder Survey. Unlike steering committee or planning partnership members, stakeholders may not be involved in all stages of the planning process, but they may have information or input to provide. In order to gather that information, the surveys were sent to the following stakeholders that provide various services to the Planning Area (emergency services, academic/research, public works, utility providers, business/commerce, hospitals/medical services, and transportation). Results of the surveys are provided below, with personal information redacted.

### D.2.1 Stakeholder Survey Results

The stakeholder survey was designed to help identify general needs for hazard mitigation and resiliency within Franklin County from its perspective, as well as to identify specific projects that may be included in the mitigation plan. It was distributed to identified stakeholders, including the various county and municipal departments and agencies in the county. As of June 7, 2023, 20 stakeholders completed the

survey, representing the following sectors: academic/research, emergency services, health and human services, and public works.

## D.2.2 Neighbor Survey Results

The neighbor survey was sent to the surrounding municipalities of the Franklin County due to their proximity to and because effects of hazard events that impact the Planning Area would be similar to that of their neighbors. As of June 7, 2023, two responses were received.

## D.3 PUBLIC SURVEY RESULTS

This section contains information and results gathered from the Franklin County Public Survey. The main objective of this survey was to gather information from citizens regarding their level of knowledge regarding hazard vulnerability and knowledge of hazard mitigation information for their local communities. Fifty-four respondents completed this survey over a period of four months during the planning process. The survey was available on Franklin County's HMP website (<https://www.franklincountyohhmp.com/>) and participants posted a link to the survey through their social media accounts. Full survey responses are provided at the end of the appendix.

### D.3.1 Public Survey Results

Responses were collected and provided back to plan participants for consideration in the mitigation action development (180 responses in total).

- Survey respondents indicated they were from Bexley, Blendon, Canal Winchester, Columbus, Dublin, Franklin, Grandview Heights, Grove City, Hilliard, Jackson, Lockbourne, New Albany, Obetz, Pleasant, Prairie, Upper Arlington, Valleyview, Washington, Westerville, and Worthington. The majority of respondents have lived in Franklin County for over 20 years and own their residence.
- Survey respondents were asked how concerned they were about 14 different hazards, on a scale of not concerned to extremely concerned. Respondents were most concerned (reporting "concerned", "very concerned", or "extremely concerned") about severe winter storms, extreme temperature, flooding, pandemic, and severe weather.
- Of the 180 responses, a majority of them (81%) indicated that they receive emergency information through mass notification systems, followed by the internet (71%), and then local news (69%).
- 39% said yes when asked if their home was damaged from a hazard event. Damages reported were related to hail, wind, flooding, and extreme temperature (heat and cold).
- Survey respondents were asked what activities they have done to protect their homes from hazards. This includes home improvements, backup generators, sump pumps in basements, and develop emergency plans for homes.
- Survey respondents were asked what activities and strategies Franklin County can do to reduce the risk and losses associated with hazards. The top three strategies identified by respondents include enforcing the disclosure of natural hazard risks during real estate transactions, policies that prohibit

development in areas subject to natural hazards, and improving disaster preparedness of local schools.

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# APPENDIX E. MITIGATION STRATEGY SUPPLEMENTARY DATA

This appendix summarizes additional activities and resources provided to plan participants to support the update of the mitigation strategy.

## E.1 2018 GOALS AND OBJECTIVES REVIEW

Franklin County’s planning documents and recent policies changes were reviewed and discussed with the Planning Team to help inform the review and update of the goals and objectives. Table E-1 and Table E-2 summarizes the Planning Team review and evaluation of the 2018 HMP goals and objectives. Table E-3 and Table E-4 summarize the goals and objectives for the 2023 HMP update.

*Table E-1. 2018 Goals Evaluation*

2018 Goal	2023 Goal Evaluation (Keep as is? Change? Add another goal?)
Goal 1: Integrate goals and action items from the Franklin County Natural Hazard Mitigation Plan into existing and future land-use planning documents, and existing regulatory programs.	Change
Goal 2: Develop inventories of at-risk infrastructure and prioritize preventative measures in areas vulnerable to natural hazards.	Change
Goal 3: Involve watershed and natural resource management, and all other interested parties, in natural hazards mitigation planning to rehabilitate and maintain streams and waterways.	Change
Goal 4: Strengthen partnerships between government agencies and private sector businesses to develop public awareness of and involvement in natural hazards mitigation strategies.	Change
Goal 5: Develop and implement public education programs to increase public awareness and understanding of the risks associated with natural hazards.	Change
Goal 6: Protect buildings in repetitive loss areas through acquisition, elevation, or other mitigating activity.	Keep as is

*Table E-2. 2018 Objectives Evaluation*

2018 Objective	2023 Objective Evaluation (Keep as is? Change? Add another objective?)
The County of Franklin did not have identified objectives in their 2018 Hazard Mitigation Plan. All objectives in the 2023 Hazard Mitigation Plan Update are considered new.	

*Table E-3. 2023 Goals*

Goal Number	2023 Goals
1	Integrate goals and action items from the Franklin County Natural Hazard Mitigation Plan into existing and future land-use planning documents, existing regulatory programs, zoning code updates and floodplain management regulations.

Goal Number	2023 Goals
2	Develop inventories of at-risk infrastructure and prioritize preventative measures equitably in areas vulnerable to natural hazards.
3	Involve watershed and natural resource management, and all other interested parties, in natural hazards mitigation planning to rehabilitate and maintain streams and waterways, particularly in vulnerable communities.
4	Strengthen partnerships between government agencies, private sector businesses, and non-profits to develop public outreach strategies and provide resources and involvement in natural hazards mitigation actions.
5	Develop and implement public education programs to provide necessary resources to increase public awareness and understanding of the risks, resilience strategies, and safety measures associated with natural hazards.
6	Protect buildings in repetitive loss areas through acquisition, elevation, or other mitigating activity.

*Table E-4. 2023 Objectives*

Objective Number	2023 Objectives
1	Evaluate and improve safety & loss reduction codes/standards for hazards that affect Franklin County.
2	Develop and strengthen public/private partnerships between the County, non-profits, and the business community.
3	Identify funding sources and obtain funds from a variety of federal, state, regional and local entities to implement mitigation activities.
4	Prioritize sustainable communities, green infrastructure, and hazard resilient development.
5	Continue to map hazard areas, refine existing hazard mapping data, and develop/refine loss estimation and vulnerability analysis data.
6	Promote the use of emergency notification systems and weather alert systems for all hazards.
7	Based on best practices from the State and FEMA, develop multi-lingual publications and guidance on how to be prepared for and respond to hazards which could impact Franklin County.
8	Identify the need for, and acquire, any special emergency services, training, and equipment to enhance response and recovery capabilities for the hazards that impact Franklin County.
9	Incorporate hazard mitigation into community planning mechanisms, codes/ordinances, day-to-day operations, and projects.
10	Identify, protect, and assist socially vulnerable populations recover from hazard impacts.
11	Encourage the use of sustainable nature-based solutions to address riverine, flash, and urban/stormwater flooding.

## E.2 MITIGATION STRATEGY WORKSHOP RESOURCES

On April 27, 2023 a Mitigation Strategy Workshop was held for all plan participants. The workshop was held virtually and was led by the contract consultant, supplemented by emails and phone calls between Franklin County and the contract consultant, for all participants to support the development of focused problem statements based on the impacts of natural hazards in the county and their communities. These problem statements were intended to provide a detailed description of the problem area, including its impacts to the municipality/jurisdiction; past damages; loss of service; etc. An effort was made to include the street address of the property/project location, adjacent streets, water bodies, and well-known structures as well as a brief description of existing conditions (topography, terrain, hydrology) of the site. These problem statements formed a bridge between the hazard risk assessment which quantifies impacts to each community with the development of actionable mitigation

strategies. Resources available at the workshop and follow up discussions included the following to assist with the identification of mitigation alternatives and the development of the mitigation strategy workshops found in Section 9 (Annexes).

1. FEMA Local Mitigation Handbook
2. Public Survey Results
3. FEMA Mitigation Action Types (Table E-5)
4. FEMA Mitigation Ideas
5. FEMA Project Useful Life Factsheet
6. Mitigation Funding Sources at the Federal, State, and Local levels (Table E-6)
7. FEMA Region 5 Funding Sources for Ohio
8. FEMA Ecosystem Services

## E.2.1 Types of Mitigation Actions

A mitigation action is a specific action, project, activity, or process taken to reduce or eliminate long-term risk to people and property from hazards and their impacts. Implementing mitigation actions helps achieve the plan’s mission and goals. The actions to reduce vulnerability to threats and hazards form the core of the plan and are a key outcome of the planning process.

The primary types of mitigation actions to reduce long-term vulnerability are:

- Local Plans and Regulations (LPR)
- Structure and Infrastructure Projects (SIP)
- Natural Systems Protection (NSP)
- Education and Awareness Programs (EAP)

*Table E-5. FEMA Mitigation Action Types*

Mitigation Type	Description	Examples
Local Plans and Regulations	These actions include government authorities, policies, or codes that influence the way land and buildings are developed and built.	<ul style="list-style-type: none"> <li>• Comprehensive plans</li> <li>• Land use ordinances</li> <li>• Subdivision regulations</li> <li>• Development review</li> <li>• Building codes and enforcement</li> <li>• NFIP Community Rating System</li> <li>• Capital improvement programs</li> <li>• Open space preservation</li> <li>• Stormwater management regulations and master plans</li> </ul>
Structure and Infrastructure Projects	<p>These actions involve modifying existing structures and infrastructure to protect them from a hazard or remove them from a hazard area. This could apply to public or private structures as well as critical facilities and infrastructure.</p> <p>This type of action also involves projects to construct manmade structures to reduce the impact of hazards.</p>	<ul style="list-style-type: none"> <li>• Acquisitions and elevations of structures in flood prone areas</li> <li>• Utility undergrounding</li> <li>• Structural retrofits</li> <li>• Floodwalls and retaining walls</li> <li>• Detention and retention structures</li> <li>• Culverts</li> </ul>



Mitigation Type	Description	Examples
	Many of these types of actions are projects eligible for funding through the FEMA Hazard Mitigation Assistance program.	<ul style="list-style-type: none"> <li>• Safe rooms</li> </ul>
Natural Systems Protection	These are actions that minimize damage and losses and also preserve or restore the functions of natural systems.	<ul style="list-style-type: none"> <li>• Sediment and erosion control</li> <li>• Stream corridor restoration</li> <li>• Forest management</li> <li>• Conservation easements</li> <li>• Wetland restoration and preservation</li> </ul>
Education and Awareness Programs	These are actions to inform and educate citizens, elected officials, and property owners about hazards and potential ways to mitigate them. These actions may also include participation in national programs, such as StormReady or Firewise Communities. Although this type of mitigation reduces risk less directly than structural projects or regulation, it is an important foundation. A greater understanding and awareness of hazards and risk among local officials, stakeholders, and the public is more likely to lead to direct actions.	<ul style="list-style-type: none"> <li>• Radio or television spots</li> <li>• Websites with maps and information</li> <li>• Real estate disclosure</li> <li>• Presentations to school groups or neighborhood organizations</li> <li>• Mailings to residents in hazard-prone areas</li> <li>• StormReady</li> <li>• Firewise Communities</li> </ul>

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## E.2.2 Potential Mitigation Funding Sources

While it is important to recognize the mitigation strategies for Franklin County to help achieve the mitigation goals and objectives of the HMP, it is also important to provide sources for funding to implement these strategies. The table below provides a list of programs, descriptions, and links for those seeking funding sources. Please note that this table is not intended to be a comprehensive list, but rather a starting point to help identify potential sources of funding for the identified mitigation strategies.

*Table E-6. Ohio Mitigation Funding Sources*

Program	Description	Lead Agency	Website
<b>Federal</b>			
Hazard Mitigation Assistance (HMA)	Grants to provide funding for eligible mitigation activities that reduce disaster losses and protect life and property from future disaster damages – includes FMA, HMGP, PDM	FEMA	<a href="https://www.fema.gov/hazard-mitigation-assistance">https://www.fema.gov/hazard-mitigation-assistance</a>
Flood Mitigation Assistance (FMA)	Program Grants to States and communities for pre-disaster mitigation planning and projects to help reduce or eliminate the long-term risk of flood damage to structures insurable under the National Flood Insurance Program	FEMA	<a href="https://www.fema.gov/flood-mitigation-assistance-grant-program">https://www.fema.gov/flood-mitigation-assistance-grant-program</a>
Hazard Mitigation Grant Program (HMGP)	Grants to States and communities for planning and projects providing long-term hazard mitigation measures following a major disaster declaration	FEMA	<a href="https://www.fema.gov/hazard-mitigation-grant-program">https://www.fema.gov/hazard-mitigation-grant-program</a>
Building Resilient Infrastructure and Communities (BRIC)	Supports states, local communities, tribes and territories to undertake hazard mitigation projects by reducing the risks they face from disasters and natural hazards. BRIC is a new FEMA pre-disaster hazard mitigation program that replaces the existing Pre-Disaster Mitigation (PDM) program.	FEMA	<a href="https://www.fema.gov/grants/mitigation/building-resilient-infrastructure-communities">https://www.fema.gov/grants/mitigation/building-resilient-infrastructure-communities</a>
Public Assistance: Hazard Mitigation Funding Under Section 406	Hazard mitigation discretionary funding available under Section 406 of the Robert T. Stafford Disaster Relief and Emergency Assistance Act following a Presidentially declared disaster	FEMA	<a href="https://www.fema.gov/press-release/20220328/fema-hazard-mitigation-grants-404-and-406">https://www.fema.gov/press-release/20220328/fema-hazard-mitigation-grants-404-and-406</a>
Assistance to Firefighters Grant Program	The primary goal of the Assistance to Firefighters Grants (AFG) is to enhance the safety of the public and firefighters with respect to fire-related hazards by providing direct financial assistance to eligible fire departments, nonaffiliated Emergency Medical Services organizations, and State Fire Training Academies. This funding is for critically needed resources to equip and train emergency personnel to recognized standards, enhance operations efficiencies, foster interoperability, and support community resilience.	FEMA	<a href="https://www.fema.gov/welcome-assistance-firefighters-grant-program">https://www.fema.gov/welcome-assistance-firefighters-grant-program</a>
High Hazard Potential Dams (HHPD) Rehabilitation Grant	The Rehabilitation of High Hazard Potential Dams Grant Program (HHPD) provides technical, planning, design, and construction assistance in the form of grants to non-Federal governmental organizations or nonprofit organizations for rehabilitation of eligible high hazard potential dams.	FEMA	<a href="https://www.grants.gov/web/grants/view-opportunity.html?oppld=316238">https://www.grants.gov/web/grants/view-opportunity.html?oppld=316238</a>
Fire Management Assistance Grant Program	Assistance for the mitigation, management, and control of fires on publicly or privately-owned forests or grasslands that threaten such destruction as would	FEMA	<a href="https://www.fema.gov/fire-management-assistance-grant-program">https://www.fema.gov/fire-management-assistance-grant-program</a>

Program	Description	Lead Agency	Website
	constitute a major disaster. Provides a 75% Federal cost share and the State pay the remaining 25% for actual cost.		
Disaster Housing Program	Emergency assistance for housing, including minor repair of home to establish livable conditions, mortgage, and rental assistance	HUD	<a href="https://www.hud.gov/program_offices/public_indian_housing/publications/dhap">https://www.hud.gov/program_offices/public_indian_housing/publications/dhap</a>
HOME Investment Partnerships Program	Grants to local and state government and consortia for permanent and transitional housing, (including financial support for property acquisition and rehabilitation for low-income persons)	HUD	<a href="https://www.hud.gov/program_offices/comm_planning/affordablehousing/programs/home/">https://www.hud.gov/program_offices/comm_planning/affordablehousing/programs/home/</a>
HUD Disaster Recovery Assistance	Grants to fund gaps in available recovery assistance after disasters (including mitigation)	HUD	<a href="https://www.hud.gov/info/disasterresources">https://www.hud.gov/info/disasterresources</a>
Section 108 Loan Guarantee	Enables states and local governments participating in the Community Development Block Grant (CDBG) program to obtain federally guaranteed loans for disaster-distressed areas	HUD	<a href="https://www.hudexchange.info/programs/section-108/">https://www.hudexchange.info/programs/section-108/</a>
Smart Growth Implementation Assistance (SGIA) program	The SGIA program focuses on complex or cutting-edge issues, such as stormwater management, code revision, transit-oriented development, affordable housing, infill development, corridor planning, green building, and climate change. Applicants can submit proposals under 4 categories: community resilience to disasters, job creation, the role of manufactured homes in sustainable neighborhood design or medical and social service facilities siting.	EPA	<a href="https://www.epa.gov/smartgrowth">https://www.epa.gov/smartgrowth</a>
Partners for Fish and Wildlife	Financial and technical assistance to private landowners interested in pursuing restoration projects affecting wetlands and riparian habitats	U.S. Fish and Wildlife Service	<a href="https://www.fws.gov/partners/">https://www.fws.gov/partners/</a>
FHWA Emergency Relief Program	Fund for the repair or reconstruction of Federal-aid highways that have suffered serious damage as a result of (1) natural disasters or (2) catastrophic failures from an external cause	U.S. Department of Transportation (DOT)	<a href="https://www.fhwa.dot.gov/programadmin/erelief.cfm">https://www.fhwa.dot.gov/programadmin/erelief.cfm</a>
Transportation Investment Generating Economic Recovery (TIGER)	Investing in critical road, rail, transit, and port projects across the nation	U.S. DOT	<a href="https://www.transportation.gov/tags/tiger-grants">https://www.transportation.gov/tags/tiger-grants</a>
Community Facilities Direct Loan & Grant Program	This program provides affordable funding to develop essential community facilities in rural areas. An essential community facility is defined as a facility that provides an essential service to the local community for the orderly development of the community in a primarily rural area, and does not include private, commercial, or business undertakings.	USDA	<a href="https://www.rd.usda.gov/programs-services/community-facilities-direct-loan-grant-program">https://www.rd.usda.gov/programs-services/community-facilities-direct-loan-grant-program</a>
Emergency Loan Program	USDA's Farm Service Agency (FSA) provides emergency loans to help producers recover from production and physical losses due to drought, flooding, other natural disasters, or quarantine	USDA	<a href="https://www.fsa.usda.gov/programs-and-services/farm-loan-programs/emergency-farm-loans/index">https://www.fsa.usda.gov/programs-and-services/farm-loan-programs/emergency-farm-loans/index</a>
Emergency Watershed Protection (EWP) Program	Provide assistance to relieve imminent hazards to life and property caused by floods, fires, drought, windstorms, and other natural occurrences	NRCS	<a href="https://www.nrcs.usda.gov/wps/portal/nrcs/main/national/programs/landscape/ewpp/">https://www.nrcs.usda.gov/wps/portal/nrcs/main/national/programs/landscape/ewpp/</a>
Financial Assistance	Financial assistance to help plan and implement conservation practices that address natural resource concerns or opportunities to help save energy, improve	NRCS	<a href="https://www.nrcs.usda.gov/wps/portal/nrcs/main/national/programs/financial/">https://www.nrcs.usda.gov/wps/portal/nrcs/main/national/programs/financial/</a>

Program	Description	Lead Agency	Website
	soil, water, plant, air, animal and related resources on agricultural lands and non-industrial private forest land		
Emergency Management Performance Grants (EMPG) Program	Assist local, tribal, territorial, and state governments in enhancing and sustaining all-hazards emergency management capabilities	FEMA, U.S. DHS	<a href="https://www.fema.gov/emergency-management-performance-grant-program">https://www.fema.gov/emergency-management-performance-grant-program</a>
Reimbursement for Firefighting on Federal Property	Provides reimbursement only for direct costs and losses over and above normal operating costs.	U.S. DHS	<a href="https://www.usfa.fema.gov/grants/firefighting_federal_property.html">https://www.usfa.fema.gov/grants/firefighting_federal_property.html</a>
Department of Homeland Security Grant Program (HSGP)	HSGP is composed of three interconnected grant programs including the State Homeland Security Program (SHSP), Urban Areas Security Initiative (UASI), and the Operation Stonegarden (OPSG). Together, these competitive grant programs fund a range of preparedness activities, including planning, organization, equipment purchase, training, exercises, and management and administration.	U.S. DHS	<a href="https://www.dhs.gov/homeland-security-grant-program-hsgp">https://www.dhs.gov/homeland-security-grant-program-hsgp</a>
Land & Water Conservation Fund	Matching grants to states and local governments for the acquisition and development of public outdoor recreation areas and facilities (as well as funding for shared federal land acquisition and conservation strategies)	National Park Service	<a href="https://www.nps.gov/subjects/lwcf/index.htm">https://www.nps.gov/subjects/lwcf/index.htm</a>
Land and Water Conservation Fund	Funding to states, local and conservation organizations for outdoor recreational development, renovation, land acquisition, and planning.	U.S. Department of the Interior	<a href="https://www.doi.gov/lwcf">https://www.doi.gov/lwcf</a>
USSBA	Small Business Administration (SBA) provides low-interest disaster loans to homeowners, renters, business of all sizes, and most private nonprofit organizations. SBA disaster loans can be used to repair or replace the following items damaged or destroyed in a declared disaster: real estate, personal property, machinery and equipment, and inventory and business assets.	Small Business Administration (SBA)	<a href="https://www.sba.gov/funding-programs/disaster-assistance">https://www.sba.gov/funding-programs/disaster-assistance</a>
<b>State</b>			
Ohio Water Development Dam Safety Loan Program	The OWDA offers local governments (city, village, county, state agency, water/sewer/conservation district) loans to finance design and construction of improvements and repairs to dams and EAPs as mandated by ODNR.	Ohio Department of Natural Resources	<a href="https://ohiodnr.gov/discover-and-learn/safety-conservation/about-ODNR/water-resources/ohio-dam-safety/09-financial-assistance-for-dam-repairs">https://ohiodnr.gov/discover-and-learn/safety-conservation/about-ODNR/water-resources/ohio-dam-safety/09-financial-assistance-for-dam-repairs</a>
Ohio Water Development Link Deposit Program	The Ohio Water Development Authority's Dam Safety Linked Deposit Program provides lower than market rate loans to individuals, private organizations, and businesses for improvements and repairs to dams as mandated by ODNR.	Ohio Department of Natural Resources	<a href="https://ohiodnr.gov/discover-and-learn/safety-conservation/about-ODNR/water-resources/ohio-dam-safety/09-financial-assistance-for-dam-repairs">https://ohiodnr.gov/discover-and-learn/safety-conservation/about-ODNR/water-resources/ohio-dam-safety/09-financial-assistance-for-dam-repairs</a>
The Affordable Housing Trust Emerging Developers Accelerator Program	The Emerging Developers Accelerator Program (EDAP) is AHT's minority developer cultivation and training program designed to create pathways to development careers for groups who have historically faced barriers. Created to address the lack of affordable housing and the challenges faced by minorities entering the real estate development ecosystem, the program prepares participants to develop affordable housing by providing learning sessions, technical assistance, consulting and ultimately access to capital.	Affordable Housing Trust for Columbus and Franklin County	<a href="https://www.hztrust.org/edap">https://www.hztrust.org/edap</a>

Program	Description	Lead Agency	Website
Water Pollution Control Loan Fund (WPCLF)	The WPCLF is Ohio's Clean Water State Revolving Fund. The WPCLF's mission is to help local governments implement projects which will protect human health and improve water quality.	Ohio EPA	<a href="https://epa.ohio.gov/divisions-and-offices/environmental-financial-assistance/financial-assistance/infrastructure-funding">https://epa.ohio.gov/divisions-and-offices/environmental-financial-assistance/financial-assistance/infrastructure-funding</a>
Water Supply Revolving Loan Account (WSRLA)	The WSRLA is Ohio's Drinking Water State Revolving Fund. The WSRLA's mission is to help public water systems provide safe drinking water to Ohioans, and to comply with the Safe Drinking Water Act.	Ohio EPA	<a href="https://epa.ohio.gov/divisions-and-offices/environmental-financial-assistance/financial-assistance/infrastructure-funding">https://epa.ohio.gov/divisions-and-offices/environmental-financial-assistance/financial-assistance/infrastructure-funding</a>
H2Ohio Water Quality Incentive Program	The H2Ohio Water Quality Incentive Program will offer a one-time payment of \$2,000 per acre for new Lake Erie CREP wetlands and forested riparian buffers (buffer strip with trees) to help improve water quality in the Lake Erie watershed. Wetlands and riparian buffers act as filters to reduce nutrient loading into waterways and help reduce flooding. Riparian buffers also stabilize streambanks to reduce soil erosion.	Ohio Department of Natural Resources	<a href="https://h2.ohio.gov/project/water-quality-incentive-program/">https://h2.ohio.gov/project/water-quality-incentive-program/</a>
Community Wildfire Risk Reduction	CWRR Grant projects support hazard mitigation, emergency readiness, public education, and firefighter training. The program is a 50/50 cost share reimbursement grant. It improves community safety, education and readiness.	Ohio Department of Natural Resources	<a href="https://ohiodnr.gov/buy-and-apply/apply-for-grants/grants/cwrr-grant">https://ohiodnr.gov/buy-and-apply/apply-for-grants/grants/cwrr-grant</a>
Prescribed Fire Supplies, Tools, Education, & Personal Protective Equipment (STEP) Grant	The Prescribed Fire STEP grant can help agencies build and expand their programs. It supports prescribed fire management projects in Ohio. Grant recipients may buy prescribed fire supplies, PPE, radios, tools, repair parts, weather data devices, pumps, signs and education materials, and more. They can do so through the STEP grant program.	Ohio Department of Natural Resources	<a href="https://ohiodnr.gov/buy-and-apply/apply-for-grants/grants/step-rxfire-grant">https://ohiodnr.gov/buy-and-apply/apply-for-grants/grants/step-rxfire-grant</a>
The Muskingum Watershed Conservancy District (MWCD)	The Muskingum Watershed Conservancy District (MWCD) is a political subdivision of the state. It was created in 1933. It makes and uses plans to reduce the effects of flooding and conserve water. It works for beneficial public uses under Ohio Revised Code Chapter 6101 (commonly called the Conservancy Act). The MWCD is the largest conservancy district in the state. It led the effort to build 14 dams and reservoirs. Two others were built later. The federal government credits the system of dams and reservoirs with saving more than \$7 billion worth of potential damage from flooding since its start. MWCD supports the work of agencies and groups involved in conservation programs, water quality issues, and flood reduction and mitigation projects. To do so, it developed the "Partners in Watershed Management" Project Assistance Program. This program helps groups that actively support the conservation and flood control aspects of the MWCD	MWCD	<a href="https://www.mwcd.org/">https://www.mwcd.org/</a>
Ohio Department of Development	The Department of Development helps build strong communities in Ohio. With reliable infrastructure and strong, vibrant downtowns, Ohio communities provide an environment for entrepreneurship and job creation as well as a strong quality of life for residents. In addition, through programs such as HWAP, HEAP, and PIPP Plus, Ohioans can access assistance and improve their energy efficiency.	Ohio Department of Development	<a href="https://development.ohio.gov/">https://development.ohio.gov/</a>

Program	Description	Lead Agency	Website
State Recovery Strategies and Assistance Programs	The Ohio EMA State Recovery Strategies explain the roles and capabilities of local, state, federal and nongovernmental agencies in recovery work. These can include financial and technical assistance.	Ohio Emergency Management Agency (OEMA)	<a href="https://ema.ohio.gov/mitigation-recovery/recovery/state-recovery-strategies/state-recovery-strategies">https://ema.ohio.gov/mitigation-recovery/recovery/state-recovery-strategies/state-recovery-strategies</a>
Urban Canopy Restoration Grant	The USDA Forest Service Urban & Community Forestry Program provides funds. It helps restore and improve urban forests that had catastrophic losses from EAB. It also reduces the impact of climate change and increases resiliency. It does so by planting trees in urban communities where they are critical to human health.	Ohio Department of Natural Resources	<a href="https://ohiodnr.gov/buy-and-apply/apply-for-grants/grants/urban-canopy-restoration-grant">https://ohiodnr.gov/buy-and-apply/apply-for-grants/grants/urban-canopy-restoration-grant</a>
<b>Other</b>			
Ecosystem Investment Partners	Ecosystem Investment Partners invests in major restoration. It spends private conservation money on local mitigation projects.	Ecosystem Investment Partners	<a href="https://ecosystempartners.com/">https://ecosystempartners.com/</a>
Partners for Places	Partners for Places helps cities and counties in the United States and Canada improve. It builds partnerships between local government sustainability offices and place-based foundations.	Funders' Network	<a href="https://www.fundersnetwork.org/partners-for-places/">https://www.fundersnetwork.org/partners-for-places/</a>
Environment Grantmaking: Climate Solutions and Great Lakes	The Joyce Foundation will address two of the Great Lakes Region's critical long-term environmental challenges: climate change and the health of the Great Lakes. The Joyce Foundation seeks to get people from impacted communities involved in environmental policy. Moreover, applicants looking to improve racial equity, social justice, inclusion and diversity in their organization are invited to describe their efforts and how Joyce can help reach those goals.	Joyce Foundation	<a href="https://www.joycefdn.org/grants/environment-guidelines">https://www.joycefdn.org/grants/environment-guidelines</a>
Great Lakes & Drinking Water Initiative	The Environment Program grants support research, policy development, coalition building and communications. They also support advocacy, policy implementation, policy enforcement and evaluation. They focus on local and state policy in Illinois, Ohio, Wisconsin and Michigan.	Joyce Foundation	<a href="https://www.glri.us/">https://www.glri.us/</a>
Lake Conservation Grant	The grant program supports projects that work toward the MGLP's goal of improving aquatic conservation efforts. It does so in Midwest communities.	Midwest Glacial Lakes Partnership	<a href="https://midwestglaciallakes.org/grant/">https://midwestglaciallakes.org/grant/</a>
Five Star and Urban Waters Restoration Grant Program	The Five Star and Urban Waters Restoration Program focuses on care of coastal, wetland and riparian ecosystems across the country. It seeks to meet the conservation needs of important species and habitats. The program provides measurable and meaningful conservation and educational outcomes. It also requires diverse partnerships and outreach.	National Fish & Wildlife Foundation (NFWF)	<a href="https://www.nfwf.org/programs/five-star-and-urban-waters-restoration-grant-program">https://www.nfwf.org/programs/five-star-and-urban-waters-restoration-grant-program</a>
Resilient Landscapes Funds	OSI launched the Resilient Landscapes Initiative (RLI) in 2013 to identify and protect the places where wildlife can thrive. The RLI works with other land trusts. The Doris Duke Charitable Foundation, Jane's Trust, the North Atlantic Landscape Cooperative and the New York state Conservation Partnership Program/Land Trust Alliance support the RLI.	Open Space Institute (OSI)	<a href="https://www.openspaceinstitute.org/funds/resilient-landscapes-funds">https://www.openspaceinstitute.org/funds/resilient-landscapes-funds</a>



Please use this worksheet to develop mitigation actions for your community. FEMA requires a minimum of one proposed mitigation activity that aligns with the identified hazards of concern for the HMP. One form for every mitigation action is needed. Instructions on how to complete each cell can be found starting on page 3 of this document.

Name of Jurisdiction: \_\_\_\_\_  
 Name and Title Completing Worksheet: \_\_\_\_\_

Action Worksheet			
Project Name:			
Project Number:			
Risk / Vulnerability			
Hazard(s) of Concern:			
Description of the Problem:			
Action or Project Intended for Implementation			
Description of the Solution:			
Is this project related to a Critical Facility or Lifeline?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	
Estimated Benefits (losses avoided):		Goals Met:	
Estimated Cost:		Mitigation Action Type:	
Plan for Implementation			
Prioritization:		Responsible Organization:	
Estimated Time Required for Project Implementation:		Potential Funding Sources:	



For each criteria, identify whether it is high effectively/feasible/yes (1), neutral/unsure (0), or ineffective/not feasible/no (1) for the mitigation action.

Action Worksheet			
<b>Project Name:</b>			
<b>Project Number:</b>			
Criteria	Description	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
<b>Life Safety</b>	How effective will the action be at protecting lives and preventing injuries?		
<b>Property Protection</b>	How significant will the action be at eliminating or reducing damage to structures and infrastructure?		
<b>Cost-Effectiveness</b>	Are the costs to implement the project or initiative commensurate with the benefits achieved?		
<b>Technical</b>	Is the mitigation action technically feasible? Is it a long-term solution? Eliminate actions that, from a technical standpoint, will not meet the goals.		
<b>Political</b>	Is there overall public support for the mitigation action? Is there the political will to support it?		
<b>Legal</b>	Does the jurisdiction have the authority to implement the action?		
<b>Fiscal</b>	Can the project be funded under existing program budgets (i.e., is this initiative currently budgeted for)? Or would it require a new budget authorization or funding from another source such as grants?		
<b>Environmental</b>	What are the potential environmental impacts of the action? Will it comply with environmental regulations?		
<b>Social</b>	Will the proposed action adversely affect one segment of the population? Will the action disrupt established neighborhoods, break up voting districts, or cause the relocation of lower income people?		
<b>Administrative</b>	Does the jurisdiction have the personnel and administrative capabilities to implement the action and maintain it or will outside help be necessary?		
<b>Multi-Hazard</b>	Does the action reduce the risk to multiple hazards?		
<b>Timeline</b>	Can the action be completed in less than 5 years (within our planning horizon)?		
<b>Local Champion</b>	Is there a strong advocate for the action or project among the jurisdiction's staff, governing body, or committees that will support the action's implementation?		
<b>Other Community Objectives</b>	Does the action advance other local objectives, such as capital improvements, economic development, environmental quality, or open space preservation? Does it support the policies of other plans and programs?		
<b>Total</b>		0	
<b>Priority (High/Med/Low)</b>			





### Guidance to Complete the Mitigation Action Online Form

The following provides additional guidance on how to complete the Mitigation Action Online Form (<https://forms.office.com/r/CJLQXEvUY>). Please note that FEMA requires a minimum of one proposed mitigation activity that align with the identified hazards of concern for the HMP. Please complete one form for every mitigation action.

### Contact Information

**Name:** Provide the name of the person completing the online form

**Title:** Provide the title of the person completing the online form

**Jurisdiction:** Provide the name of the jurisdiction you are completing the form for

### Action Worksheet Online Form

**Project Name:** Please identify a unique project name for the mitigation action.

**Project Number:** 2023-Jurisdiction-001.

### Assessing the Risk and Vulnerability

**Hazard(s) of Concern:** Please identify the hazard(s) being addressed with this action.

- Dam/Levee Failure
- Disease Outbreak
- Drought
- Extreme Temperature (heat/cold)
- Flood (Riverine/Flash/Stormwater)
- Geologic Hazards (erosion, land subsidence)
- Severe Weather (Lightning/Hail/ Wind)
- Severe Winter Weather
- Tornado

**Description of the Problem:** Provide a detailed narrative of the problem. Describe the hazard you wish to mitigate, its impacts to the jurisdiction, past damages and loss of service, etc. Include the street address of the property/project location (if applicable), adjacent streets, and easily identified landmarks such as water bodies and well-known structures, and end with a brief description of existing conditions (topography, terrain, hydrology) of the site.

### Action/Project Intended for Implementation

**Description of the Solution:** Provide a detailed narrative of the solution. Describe the physical area (project limits) to be affected, both by direct work and by the project's effects; how the action would address the existing conditions previously identified; proposed construction methods, including any excavation and earth-moving activities; where you are in the development process (e.g., are studies and/or drawings complete), etc., the extent of any analyses or studies performed (attach any reports or studies).



**Critical Facility:** Please indicate whether or not the identified project is related to a critical facility or lifeline in your community.

**Estimated Cost:** Identify all estimate costs associated with completing and implementing the identified project.

**Estimated Benefits:** Identify the benefits that implementation of this project will provide (e.g., risk reduction). If dollar amounts are known, include them. If dollar amounts are unknown or are unquantifiable, describe the losses that will be avoided.

**Mitigation Action Type:**

- Local Plans and Regulations (LPR) – These actions include government authorities, policies or codes that influence the way land and buildings are being developed and built.
- Structure and Infrastructure Project (SIP) - These actions involve modifying existing structures and infrastructure to protect them from a hazard or remove them from a hazard area. This could apply to public or private structures as well as critical facilities and infrastructure. This type of action also involves projects to construct manmade structures to reduce the impact of hazards.
- Natural Systems Protection (NSP) – These are actions that minimize damage and losses, and also preserve or restore the functions of natural systems.
- Education and Awareness Programs (EAP) – These are actions to inform and educate citizens, elected officials, and property owners about hazards and potential ways to mitigate them. These actions may also include participation in national programs, such as StormReady and Firewise Communities.

**Goals:**

1. Integrate goals and action items from the Franklin County Natural Hazard Mitigation Plan into existing and future land-use planning documents, existing regulatory programs, zoning code updates and floodplain management regulations.
2. Develop inventories of at-risk infrastructure and prioritize preventative measures equitably in areas vulnerable to natural hazards.
3. Involve watershed and natural resource management, and all other interested parties, in natural hazards mitigation planning to rehabilitate and maintain streams and waterways, particularly in vulnerable communities.
4. Strengthen partnerships between government agencies, private sector businesses, and non-profits to develop public outreach strategies and provide resources and involvement in natural hazards mitigation actions.
5. Develop and implement public education programs to provide necessary resources to increase public awareness and understanding of the risks, resilience strategies, and safety measures associated with natural hazards.
6. Protect critical facilities, community lifelines, and other buildings located within hazard-vulnerable areas through acquisitions, elevations, or other mitigating activities.

**Plan for Implementation**

**Prioritization:** Please enter High/Medium/Low. Refer to the prioritization exercise and table.

**Estimated Time Required for Project Implementation:** Provide the estimated time required to complete the project from start to end.



**Responsible Organization:** Identify the name of a department or agency responsible for implementation, not the jurisdiction.

**Potential Funding Source(s):** Identify multiple sources of potential funding. For example, FEMA HMGP, FMA, and BRIC Grants, CDBG-DR funding, etc.

### Guidance to Complete the Prioritization Table

For each criteria, identify whether it is high effectively/feasible (1), neutral (0), or ineffective/not feasible (1) for the mitigation action. The 14 evaluation/prioritization criteria are:

1. Life Safety – How effective will the action be at protecting lives and preventing injuries?
2. Property Protection – How significant will the action be at eliminating or reducing damage to structures and infrastructure?
3. Cost-Effectiveness – Are the costs to implement the project or initiative commensurate with the benefits achieved?
4. Technical – Is the mitigation action technically feasible? Is it a long-term solution? Eliminate actions that, from a technical standpoint, will not meet the goals.
5. Political – Is there overall public support for the mitigation action? Is there the political will to support it?
6. Legal – Does the jurisdiction have the authority to implement the action?
7. Fiscal - Can the project be funded under existing program budgets (i.e., is this initiative currently budgeted for)? Or would it require a new budget authorization or funding from another source such as grants?
8. Environmental – What are the potential environmental impacts of the action? Will it comply with environmental regulations?
9. Social – Will the proposed action adversely affect one segment of the population? Will the action disrupt established neighborhoods, break up voting districts, or cause the relocation of lower income people?
10. Administrative – Does the jurisdiction have the personnel and administrative capabilities to implement the action and maintain it or will outside help be necessary?
11. Multi-hazard – Does the action reduce the risk to multiple hazards?
12. Timeline - Can the action be completed in less than 5 years (within our planning horizon)?
13. Local Champion – Is there a strong advocate for the action or project among the jurisdiction’s staff, governing body, or committees that will support the action’s implementation?
14. Other Local Objectives – Does the action advance other local objectives, such as capital improvements, economic development, environmental quality, or open space preservation? Does it support the policies of other plans and programs?

## APPENDIX F. PLAN MAINTENANCE

This appendix includes tools and worksheets to facilitate plan maintenance and review by the Franklin County Coe Planning Team and Planning Team.

In the first year of the performance period, an online performance progress reporting system, the BATool<sup>SM</sup> will provide representatives direct access to their mitigation initiatives to easily update the status of each project, document successes or obstacles to implementation, add or delete projects to maintain mitigation project implementation. This online program will capture information and roll all input into a report to summarize mitigation strategy progress.

The FEMA 386-4 guidance worksheets are also available to assist with progress reporting. These worksheets are provided below for ease of access to the HMP Coordinator and Planning Team to maintain the 2023 HMP throughout its period of performance.

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# The BATool<sup>SM</sup> Program - Mitigation Module

A tool to track successful mitigation project implementation



Tetra Tech has launched the BATool Program Mitigation Module to help communities measure mitigation progress and success.

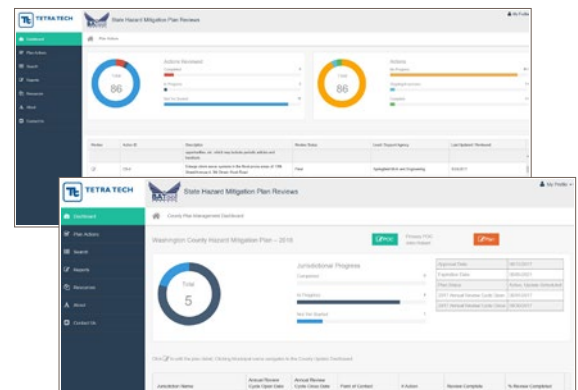
## Measuring Mitigation Success

Investments in risk reduction, whether through programmatic advances or project implementation, increase resiliency and decrease future disaster costs. The BATool Program Mitigation Module transforms the way a community, county, state, or tribe manages their mitigation strategy. This intuitive module streamlines the tracking of mitigation strategies from action identification through implementation to support the following:

- Mitigation credit tracking for the proposed FEMA Public Assistance (PA) Deductible
- Hazard Mitigation Plan (HMP) maintenance and regulatory updates
- Local plan roll-up for state hazard mitigation planning
- Community Rating System (CRS) annual reports
- Mitigation projects grant-funding opportunity identification
- Mitigation investments and funding sources documentation and tracking
- Documentation and tracking of mitigation investments and funding sources
- Immediate access to mitigation strategies for re-prioritization and selection of mitigation actions to fund post-disaster
- Enhanced communication between the state and the local jurisdictions

## The BATool Program Mitigation Module features:

- A simple and easy-to-use interface
- A central repository of mitigation actions
- Actions can be updated and rolled-up to report at any level (county, state, tribe, FEMA)
- Secure access with various user roles (read-only, editing, reporting)
- Query functionality to support mitigation brainstorming
- Report generation for annual plan reviews (HMP, CRS)
- Capability to update mitigation strategy any time (e.g., mid-HMP cycle or post-disaster)
- Mitigation action progress transparency





BATool Program can be adapted to address universal community resiliency issues on the international stage.

## BATool<sup>SM</sup> Program supports community resiliency

Tetra Tech is integrating use of the BATool Program into its full hazard mitigation planning program. Our teams continue to refine the scope and applicability of the BATool Program to support integration of mitigation planning and effective floodplain management to reduce flooding impacts.

Tetra Tech envisions future versions of the BATool Program - Mitigation Module to include a spatial component to track mitigation project locations. This may be used to compliment hazard mitigation planning and as a decision-making tool to help determine where to allocate grant funding based on need by utilizing additional spatial data (e.g., risk, demographics, etc.).

Tetra Tech intends to develop various additional modules to support resiliency concerns, including:

- Climate change adaptability
- Community resilience
- Mitigation actions
- Preparedness
- Response
- Recovery
- Environmental building blocks

## How the BATool Program helps assess community floodplain management programs

The BATool Program is intended to be delivered by Tetra Tech floodplain management experts with knowledge of the NFIP. It provides feedback on whether the community's floodplain management program is ready for a Community Assistance Visit (CAV) audit and the community's ability to succeed under the CRS program.

The BATool Program asks 57 quantifiable questions, to which the answers have been weighted. The weights within the tool are based upon the importance of the component to overall, programmatic floodplain management. These weights have been calibrated by looking at an overall sample of communities across the country.

The BATool Program classifies communities as green, yellow, or red:

- **Green** - community is ready to move forward with the CAV process
- **Yellow** - community is close but might want to consider some resilience recommendations
- **Red** - significant issues must be addressed before applying to the CRS



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## APPENDIX G. CRITICAL FACILITIES

Due to the sensitive nature of this information, details of each have been redacted for the public document. A full list of critical facilities identified for the vulnerability analysis is available at the Franklin County Emergency Management and Homeland Security. Contact the Director, Jeff Young, to view the list.

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# APPENDIX H. LINKAGE PROCEDURES

This Appendix contains the linkage procedures for the Franklin County Hazard Mitigation Plan 2023 Update.

## H.1 ADMINISTRATIVE PROCESS FOR “LINKAGE” TO THE FRANKLIN COUNTY HAZARD MITIGATION ACTION PLAN

The 2023 Franklin County Hazard Mitigation Plan (HMP) update (the Plan) included 42 planning partners; not all eligible local governments within the defined planning area are included in this plan. Completed jurisdictional annexes are presented in Section 9. Any non-participating local governments and other local jurisdictions such as Fire Districts, Utility Districts, School Districts, and any other eligible local government as defined in 44 CFR 201.2 within the Franklin County planning area can join this plan as a participating jurisdiction and to ultimately achieve approved status by following the linkage procedures defined in this appendix.

It is assumed that some or all these non-participating local governments may choose to “link” to the Plan at some point in time to gain eligibility for programs under the DMA. In addition, some of the current partnership may not continue to meet eligibility requirements due to the lack of active participation as prescribed by the plan. These “linkage” procedures will define the requirements established by the Franklin County HMP Planning Team for dealing with the increase or decrease in planning partners linked to this plan. It should be noted that currently non-participating jurisdictions within the defined planning area are not obligated to link to this plan. These jurisdictions can choose to do their own “complete” plan that addresses all required elements of section 201.6 of 44CFR.

### H.1.1 Increasing the Partnership Through Linkage

#### H.1.1.1 Eligibility

Eligible jurisdictions located in the planning area may link to this plan at any point during the plan’s performance period. Eligible jurisdictions located in the planning area may link to this plan at any point during the plan’s performance period (5 years after final approval). Eligibility will be determined by the following factors:

- The linking jurisdiction is a local government as defined by the Disaster Mitigation Act.
- The boundaries or service area of the linking jurisdiction is completely contained within the boundaries of the planning area established during the 2023 Hazard Mitigation Plan development process.
- The linking jurisdiction’s critical facilities were included in the critical facility and infrastructure risk assessment completed during the 2023 Plan development process.

#### H.1.1.2 Requirements

It is expected that linking jurisdictions will complete the requirements outlined below and submit their completed template to the lead agency for review within six months of beginning the linkage process:



1. The Franklin County HMP Planning Team has established an annual window for which linkage to the plan can occur. Linking jurisdictions are instructed to complete the following procedures during this time frame.
2. The current non-participating jurisdiction contacts the Franklin County Hazard Mitigation Planning Coordinator for the Plan and requests a "Linkage Package". The Franklin County Hazard Mitigation Project Contact is:

Jeff Young, Director  
Franklin County Emergency Management and Homeland Security  
794-0213 | [jjyoung@franklincountyohio.gov](mailto:jjyoung@franklincountyohio.gov)

3. The Franklin County Hazard Mitigation Planning Coordinator will provide a linkage package that includes:
  - Copy of Volume 1 and 2 of the Plan (CD-ROM or flash drive).
  - Planning Partner's Expectations Sheet.
  - A Sample "Letter of Intent" to Link to the Plan.
  - A Jurisdictional Annex Template and Instructions.
  - Catalog of Hazard Mitigation Alternatives or the Mitigation Catalog.
  - A copy of Section 201.6 of Chapter 44, the Code of Federal Regulations (44CFR), which defines the federal requirements for a local hazard mitigation plan.
4. The new jurisdiction will be required to review both volumes of the Plan which includes the following key components for the planning area:
  - The Franklin County HMP risk assessment.
  - The plan's goals and objectives.
  - Plan implementation and maintenance procedures; and
  - Catalog of potential mitigation actions

Once this review is complete, the jurisdiction will complete its specific jurisdictional annex by following the template and its instructions for completion provided by the Franklin County Hazard Mitigation Planning Coordinator. Technical assistance can be provided upon request by completing the request for technical assistance (TA) form provided in the linkage package. This TA may be provided by the Franklin County Hazard Mitigation Planning Coordinator or any other resource within the Planning Team. The Franklin County Hazard Mitigation Planning Coordinator will determine who will provide the TA and the possible level of TA based on resources available at the time of the request.

5. The new jurisdiction will also be required to develop a public involvement strategy that ensures their public's ability to participate in the plan development process. At a minimum, the new jurisdiction must try to solicit public opinion on hazard mitigation at the onset of this linkage process and a minimum of one public meeting to present their draft jurisdiction specific annex for comment, prior to adoption by the governing body. The Planning Team will have available resources to aid in the public involvement strategy such as the Plan website. However, it will be the new jurisdiction's responsibility to implement and document this strategy for incorporation into their annex.

It should be noted that the Jurisdictional Annex templates do not include a section for the description of the public process. This is because the original partnership was covered under a uniform public involvement strategy that covered the operational area that is described in volume 1 of the plan. Since the new partner was not addressed by that strategy, they will have to initiate a new strategy, and add a description of that strategy to their annex. For consistency, new partners are encouraged to follow the public involvement format utilized by the initial planning effort as described in Volume I of the Plan.

6. Once their public involvement strategy is completed and they have completed their template, the new jurisdiction will submit the completed package to the Franklin County Hazard Mitigation Planning Coordinator for a pre-adoption review to ensure conformance with the regional plan format.
7. The Franklin County Hazard Mitigation Planning Coordinator will review for the following:
  - Documentation of public involvement and mitigation action development strategies.
  - Conformance of template entries with guidelines outlined in instructions.
  - Chosen actions are consistent with goals, objectives, and mitigation catalog of Franklin County's Hazard Mitigation Plan; and
  - Designated point of contact.

The Franklin County Hazard Mitigation Planning Coordinator may utilize members of the HMP Planning Team or other resources to complete this review. All proposed linked annexes will be submitted to the HMP Planning Team for their review and comment prior to submittal to the Ohio EMA.

8. Plans approved and accepted by the HMP Planning Committee will then be forwarded to Ohio EMA for review with cover letter stating the forwarded plan meets local approved plan standards and whether the plan is submitted with local adoption or for criteria met/plan not adopted review.
9. The Ohio EMA will review plans for state and federal compliance. Non-compliant plans are returned to the jurisdiction for correction. Compliant plans are forwarded to FEMA Region V office for review with annotation as to the adoption status.
10. FEMA Region V reviews the new jurisdiction's plan in association with the approved plan to ensure DMA compliance. Region V notifies new jurisdiction of results of review with copies to the Ohio EMA and approved planning authority.
11. New jurisdiction corrects plan's shortfalls (if necessary) and resubmits to the Ohio EMA through the approved plan lead agency.
12. Region V Director notifies new jurisdiction governing authority of plan approval.

The new jurisdiction plan is then included with the Franklin County HMP 2023 update, and the linking jurisdiction is committed to participate in the ongoing plan implementation and maintenance identified in Volume 1 of the HMP.