

APPENDIX A. LOCAL COMMUNITY, STAKEHOLDER, AND PUBLIC OUTREACH

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I. Printed Draft Plan and Comment Form in Butler County EMA Office



Butler County EMA, Ohio

6d · 🌐

Over 50 representatives helped kickoff Butler County Hazard Mitigation Plan Risk Assessment. This FEMA approved Plan is important to the jurisdictions and Agencies within to prevent (mitigate) future impacts from known natural hazards to Butler County and SW Ohio.



Butler County 2023 Hazard Mitigation Plan
Hazard mitigation is any action that is taken to reduce long-term risk to life and property from natural hazards.
Hazard mitigation plans are important because it catalogs the risks of what your community and what all of its citizens do with the risks that can be completed to increase hazard resistance.
The County's Hazard Mitigation Plan provides the resources and other information specific to each community located in the county.

Public Meeting: Risk Assessment
Butler County EMA is holding a meeting open to community, fire, local government, and the public to review the progress of the plan and provide additional information for the plan.
Risk Assessment Meeting will be held on:
April 26, 2023 from 10:00 am to 1:00 pm
at the Risk Assessment Meeting
Butler County Educational Services Center
400 N. Erie Road
Beverly, Ohio 45813



👍 10

➦ 2

👍 Like

💬 Comment

Butler County Hazard Mitigation Plan - Kickoff Meeting



Feters, Claire
To: Feters, Claire

Bcc: perkinsb@monroeohio.org; toddfryman43@gmail.com; jernst@healthcollab.org; brogers@rosstwp.org; mike.joseph@clevelandcliffs.com; bcomuseum@fuse.com; alicia.adams@edgewoodschools.net; hemalacha.chidambaram@molsoncoors.com; tom.rogers@molsoncoors.com; mccoij@butlercountyohio.org; leveraged@monroeohio.org; george.sipka@cinfm.com; kefrederick@butlerdd.org; jlrice@butlerdd.org; +36 others



Thu 4/27/2023 3:44 PM

Greetings,

Thank you for your participation in the Kickoff Meeting for the Butler County Hazard Mitigation Plan Update.

On April 20th, community representatives and stakeholders from across the county and region met and participated in a meeting regarding the update of Butler County's Hazard Mitigation Plan. A presentation was given that highlighted the definition of hazard mitigation, why hazard mitigation is important, and the general components of a hazard mitigation plan. Then, meeting attendees were asked to complete 4 forms: Hazard Priority Ranking, Risk Evaluation, Vulnerability Assessment, and Changes in Development.

The presentation that was given at the meeting as well as the meeting minutes from the meeting can be found under the Plan Update Resources tab on the [Butler County Hazard Mitigation Plan Update Website](#). The forms that were completed during the meeting can also be found on the website virtually through Google Forms – if you represent a jurisdiction within Butler County, please visit the [Jurisdictions Within Butler County tab](#); if you represent a stakeholder organization within Butler County, please visit the [Partners in Mitigation tab](#).

The [Butler County Hazard Mitigation Plan Public Survey](#) was also discussed. It is encouraged to share the public survey on your community/organization's social media accounts to spread awareness to the public. There are template social media posts attached to this email in both English and Spanish.

Also attached to this email is a digital version of the QR Code handout that was available to take at the meeting last Thursday. The QR Code is a direct link to a comprehensive resource list of Butler County.

The Mitigation Strategy meeting will be held in early June; please keep an eye on your email for the formal invitation once the date and location is finalized.

Thank you again, and please do not hesitate to reach out with any questions or comments throughout the process,

Claire Feters

Claire Feters | Planner II
250 West Street, Suite 420 | Columbus, OH 43215 | [O] 614-538-7605 | [M] 937-671-2947
claire.feters@mbakerintl.com | www.mbakerintl.com f t @ i n



Butler County EMA, Ohio

3h · 🌐

Today our focus at EMA is Hazard Mitigation Planning... Whether floods, tornadoes, train derailments, this process pulls around 100 Agencies and community partners together to evaluate risk and frequency we see here in Butler County. [Ohio Emergency Management Agency](#)



Jun 8, 2023 at 10:06:38
+39.399313,-84.544494
400 SR-4
Hamilton OH 45011
Phillip S. Clayton
SW Regional Supervisor
Unit 32

1 🗨

👍 Like

💬 Comment

Butler County Hazard Mitigation Plan - Mitigation Strategy Meeting



Fetters, Claire
To: Fetters, Claire

Bcc: schneidemp@butlercountyohio.org; kay.vonderschmidt@trihealth.com; stevelu@cityofmiddletown.org; ltf81@aol.com; David Vonderschmidt; toddfryman43@gmail.com; Phil Sackenheim; gregg.howard@hq.dhs.gov; jskelton@healthcollab.org; bmann@fairfield-city.org; robertn7@miamioh.edu; redpatcd@miamioh.edu; orotnesi@miamioh.edu; bethrace@bcsc.org; mike.joseph@clevelandcliffs.com; croutka@butlercountyohio.org; **+33 others**



Reply Reply All Forward

Thu 6/15/2023 10:46 AM

Greetings,

Thank you for your participation in the Mitigation Strategy Meeting for the Butler County Hazard Mitigation Plan Update.

On June 8th, community representatives and stakeholders from across the county and region met and participated in a meeting regarding the update of Butler County's Hazard Mitigation Plan. A presentation was given that gave a brief overview of hazard mitigation, and explained the components of the Mitigation Strategy section of the plan – including the capabilities of participants, goals of the plan, and the actions that will be developed to reduce the vulnerabilities of Butler County. An update on the plan's timeline was also provided as well as review of the [Butler County Hazard Mitigation Plan Update Website](#). Then, meeting attendees were asked to complete 2 forms: Capability Assessment and New Mitigation Action. Incorporated communities that participated in the previous plan were also asked to complete 1 additional form: Previous Action Status Update.

The presentation that was given at the meeting as well as the meeting minutes from the meeting can be found under the [Plan Update Resources, Meeting #2 tab](#) on the [Butler County Hazard Mitigation Plan Update Website](#). The forms that were completed during the meeting can also be found on the website virtually through Google Forms – if you represent a jurisdiction within Butler County, please visit the [Jurisdictions Within Butler County tab](#); if you represent a stakeholder organization within Butler County, please visit the [Partners in Mitigation tab](#).

Also attached to this email is a digital version of the QR Code handout that was available to take at the meeting last Thursday. The QR Code is a direct link to a comprehensive resource list of Butler County.

The draft plan will soon be ready for review and comment; please keep an eye on your email for notice of the comment period as well as information on how to spread awareness to the public.

Thank you again, and please do not hesitate to reach out with any questions or comments throughout the process,

Claire Fetter

Claire Fetter | Planner II
250 West Street, Suite 420 | Columbus, OH 43215 | [O] 614-538-7605 | [M] 937-671-2947
claire.fetters@mbakerintl.com | www.mbakerintl.com [f](#) [t](#) [@](#) [in](#) [v](#)

Butler County Hazard Mitigation Plan Invitation List

Jurisdictions In Butler County
City of Fairfield***
City of Hamilton***
City of Middletown
City of Monroe
City of Oxford
City of Sharonville
City of Trenton
Village of College Corner
Village of Jacksonburg
Village of Millville
Village of New Miami
Village of Seven Mile
Stakeholders
Butler County General Health District
Butler County Department of Development
Butler County Board of Commissioners
Butler County Child Support Enforcement Agency*
Butler County Children Services*
Butler County Board of Developmental Disabilities*
Butler County Office of Economic Development
Lifespan Elderly Services*
Butler County Engineer's Office
Butler County GIS Office
Butler County Job & Family Services*
MetroParks of Butler County, OH***
Butler County Historical Society
PARACHUTE Butler County*
Butler County Mental Health & Addiction Recovery Services Board*
Butler County Recycling & Solid Waste
Butler County Regional Airport
Butler County Sheriff's Office
Butler County Soil & Water Conservation District
Butler County Storm Water District
Butler County Water & Sewer
OSU Extension – Butler County
Butler County Technology and Career Development Schools
Edgewood City Schools
Fairfield City Schools
Hamilton City Schools
Lakota Local School District
Miami University
Middletown City School District
Monroe Local Schools
New Miami Local School District
Ross Local School District
Talawanda School District – Oxford
Butler County Land Reutilization Bank

Butler County Regional Transit Authority
Butler County United Way*
Preble County
Montgomery County
Warren County
Hamilton County
Dearborn County (IN)
Franklin County (IN)
Union County (IN)
Butler Metro Housing Authority*
Neighborhood Housing Services of Hamilton, Inc.*
American Red Cross Greater Cincinnati Tri-State Chapter*
Butler County Community Wraparound*
Fairfield Township
Hanover Township
Lemon Township
Liberty Township
Madison Township
Milford Township
Morgan Township
Oxford Township
Reily Township
Ross Township
St. Clair Township
Wayne Township
West Chester Township
TriHealth Bethesda Butler Hospital
Fort Hamilton Hospital
Mercy Health – Fairfield Hospital
McCullough-Hyde Memorial Hospital
Cincinnati Children’s Liberty Campus
West Chester Hospital – UC Health
City of Fairfield Fire Department
City of Hamilton Fire Department
City of Oxford Fire Department
City of Trenton Fire Department
Hanover Township Fire Department
Fairfield Township Fire Department
Liberty Township Fire Department
Madison Fire Department
Middletown Division of Fire
Milford Township Fire Department
Morgan Township Fire Department
Monroe Fire Department
New Miami Fire Department
Reily Township Fire Department
Ross Township Fire Department
Seven Mile Fire Department
Somerville Fire Department


St. Clair Township Fire Department
Wayne Township Fire Department
West Chester Fire Department
City of Fairfield Police Department
City of Hamilton Police Department
City of Oxford Police Department
City of Trenton Police Department
Fairfield Township Police Department
MetroParks Ranger Department
Middletown Police Department
Monroe Police Department
New Miami Police Department
Oxford Township Police Department
Ross Township Police Department
Seven Mile Police Department
West Chester Police Department
State Highway Patrol
National Weather Service – Wilmington, Ohio
Greater Hamilton Safety Council
Butler County Incident Management Team
Public Utilities Commission of Ohio
Greater Hamilton Chamber of Commerce
Cincinnati Financial Corp
Cleveland Cliffs
GE Aviation
Cornerstone Brands
Koch Foods
Pacific Manufacturing, Inc.
Tyson Foods
Ohio-Kentucky-Indiana Regional Council of Governments
Butler County Zoning & Floodplain Manager**
City of Fairfield Development Services Director**
City of Hamilton Floodplain Manager**
City of Middletown Public Works Director**
Village of Millville Mayor**
City of Monroe City Manager**
Village of New Miami Mayor**
City of Oxford Community Development Director**
Village of Seven Mile Mayor**
City of Trenton Service Director**
Ohio Dam Safety Program***
ODNR Division of Parks & Watercraft
Owner of Charylie's Lake Dam*** (Edward McConnell)
Stonegate Association***
Owner of Swan Lake Dam*** (Colleen Rose)
Lakota Lake II, LLC***
Middletown Sportsman Club***
Greenbriar Lake Property Owners Association***
Bunker Hill Haven Trust***


Trenton Sportsmen Club***
Knights of Pythias***
Owner of O'Bob Farm Lake Dam*** (Timothy and Nicole Hutchinson)
Owner of Bear Pond Dam*** (Hilliard Napier)
Butler County Regional Airport Authority***
The Miami Conservancy District***


*Denotes agency that represents and works with underserved communities and socially vulnerable populations

**Denotes ODNR-identified Floodplain Administrator

***Denotes HHPD planning process requirement


Emergency Management Agency
of Butler County Ohio

[Home](#) | [Staff](#) | [Links](#) | [Safety Tips](#) | [CERT](#) | [Social Media links:](#) [Twitter: Follow @butlercountyma](#)  Visit us on Facebook



News & Events

Find valuable tips to help you prepare for severe storms at <http://www.ready.gov/severe-weather> and download the free FEMA app, available for your Android, Apple or Blackberry device. Visit the site or download the app today so you have the information you need to prepare for severe weather.

All of Butler County is covered by SMART911 ~ sign up [HERE](#)


[Butler County Community Alert Self Registration Portal -- Frequently Asked Questions \(FAQs\)](#)

[2023 Meeting Dates for Butler County EMA](#)

[Local Officials Resource Directory](#)

[EMA Newsletter](#)

[Butler Co. 2023 Hazard Mitigation Plan Update Website](#)



BUTLER COUNTY COMMUNICATOR ALERT SELF-REGISTRATION PORTAL



BUTLER COUNTY, OHIO

EMERGENCY MANAGEMENT AGENCY

315 HIGH STREET, SUITE 670
HAMILTON, OHIO 45011
PHONE: 513.785.5810
EMAIL: BCEMA@BUTLERCOUNTYOHIO.ORG



March 30, 2023

Greetings,

The Butler County Emergency Management Agency is working with Michael Baker International to update our Hazard Mitigation Plan. This update will act as the blueprint for reducing impacts from potential future natural disasters.

The kickoff meeting for the planning process will be held in-person on April 20, 2023 from 10:00 am to 11:00 am at the Butler County Board of Elections (1802 Princeton Road, Hamilton, Ohio 45011). Please plan for at least 1 member of your community or organization to attend one of these meetings. We expect the meeting to last about 1 hour and will cover what information we need from you for the plan update.

A project website has been created to facilitate this process. Its address is <https://sites.google.com/view/butler-county-hmp-update/home>. This website houses 6 forms with questions that are designed to walk each community through all required information. Michael Baker will guide participants through these forms during planning meeting.

Participation in this process is required to be eligible to adopt the plan and access grant funding for hazard mitigation projects. Please be aware of future correspondence from the County and Michael Baker regarding upcoming meeting opportunities.

Registration for the meeting is highly encouraged, but not required. Please go to <https://arcg.is/0L8Wa1> or scan the QR code below to register for the training.

Thank you,

Director Matthew Haverkos
Butler County Emergency Management Agency



Butler County Emergency Management Information Hotline – (513) 785-5800.



[@ButlerCOEMA](https://www.facebook.com/ButlerCOEMA)



www.butlercountyohio.org/ema/



[@butlercountyma](https://twitter.com/butlercountyma)



BUTLER COUNTY, OHIO

EMERGENCY MANAGEMENT AGENCY

315 HIGH STREET, SUITE 670
HAMILTON, OHIO 45011
PHONE: 513.785.5810
EMAIL: BCEMA@BUTLERCOUNTYOHIO.ORG



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Thank you,

Director Matthew Haverkos

Butler County Emergency Management Agency



From: Jim Bolen
To: Jim Bolen
CC: perkins@monroesohio.org toddydmand3@gmail.com jernst@healthcollab.org bogers@coastwp.org mikejoseph@clevelandcliffs.com bcosumcum@fuse.com alicia.adams@edgewoodschools.net hema1acha.chidambaram@molsoncoors.com tom.usgers@molsoncoors.com mcouy@buttercountyohio.org leverage@monroesohio.org ghutensid.org jhuo@butterd.org beth.sack@boces.org thorne@fairfieldohio.org dofusch@butterd.org browns@boces.org faulkner@buttercountyohio.org unionscourthansa@unionscourthouse.org dischman@rentschlager.org cufish@monroesohio.org james.williams@hamilton-ohio.gov doekering@rentschlagerohio.org den@hamilton-ohio.com unitedway.org smiller@coastwp.org couluka@buttercountyohio.org stakam@fairfieldohio.gov eklusman@liberty-township.com thecrowe@talawanda.org robert.wolfe@paco.chio.gov devies@talawanda.org sackenrump@zowater.org terry@shandshavenet.org dericksont@talawanda.org iffany@hamilton-ohio.com uche.adigwe@bc.ohio.us stevelu@cityofmiddlesboro.org johnson@fairviewtownshipohio.org bressler@boces.org li.hayden@hamilton-ohio.gov ncaball@helpseniors.org lpukas@mcwater.org ccapo.m@fairfieldcityschools.com swordmike@gmail.com David.Vonderschmidt@buttercountyohio.org Matthew.Vonderschmidt@buttercountyohio.org uche.adigwe@bc.ohio.us poclayton@aps.ohio.gov unionscema@unionscountyin.us unionscema@uchd.com
Date: 05/18/2023 3:53 PM
Subject: Butler County Hazard Mitigation Plan Update Meeting #2 - June 8, 2023 - 1000-1200 hrs - Butler County Educational Services Center (400 N. Erie Boulevard, Hamilton, Ohio 45011)
:
Greetings,

The Butler County Emergency Management Agency is working with Michael Baker International to update our Hazard Mitigation Plan. This update will act as the blueprint for reducing impacts from potential future natural disasters.

The Mitigation Strategy meeting for the planning process will be held in-person on June 8, 2023, from 10:00 AM - 12:00 PM at the Butler County Educational Services Center. The address of the location is 400 N. Erie Boulevard, Hamilton, Ohio 45011. A calendar invite will be sent out shortly after this email.

Please plan for at least 1 member of your community or organization to attend one of these meetings. Even if your community participated in the Kickoff Meeting held in April, we will be covering new elements of the plan and completing additional required forms that were not provided at the first meeting.

A project website has been created to facilitate this process. Its address is <https://sites.google.com/view/butler-county-hmp-update/home>. This website houses 7 forms with questions that are designed to walk each community through all required information. Michael Baker will guide participants through these forms during planning meeting.

Participation in this process is **required** to be eligible to adopt the plan and access grant funding for hazard mitigation projects. Please be aware of future correspondence from the County and Michael Baker regarding upcoming meeting opportunities.

Thank you.

Jim Bolen
Deputy Director
Butler County Emergency Management Agency
313 High St. Suite #670
Hamilton, OH 45011
Office: (513) 785-5814
Cell: (513) 795-2999

Fax: 513-785-5811
BolenJA@ButlerCountyOhio.org

Butler County Emergency Management Information Hotline – (513) 785-5800.

Butler County 2023 Hazard Mitigation Plan

- Hazard Mitigation is any action that's taken to reduce long-term risks to life and property from natural hazards.
- Hazard Mitigation Plans are important because it catalogs the risks that affect your community and what all is at stake as well as projects that can be completed to minimize hazard impacts.
- Butler County's Hazard Mitigation Plan profiles 9 hazards and includes information specific to each community located in the county.

Public Meeting: Risk Assessment

- The Butler County EMA is holding a meeting open to community leaders, local businesses, and the public to review the previous HMP's hazards and provide updated information for the plan.
- The Risk Assessment Meeting will be held on:
 - **April 20, 2023 from 5:00 pm to 7:00 pm**
- Location of the Risk Assessment Meeting:
 - **Butler County Educational Services Center**
400 N. Erie Boulevard,
Hamilton, Ohio 45011



Butler County EMA, Ohio

April 6 at 8:32 AM · 🌐

The Butler County EMA will be holding a public meeting to update the County's Hazard Mitigation Plan on April 20, 2023 at Butler County Education Services Center (400 N. Erie Boulevard, Hamilton, Ohio 45011) from 5:00 pm to 7:00 pm. The public is invited to share their experiences and contribute to this important plan.

LOCAL HAZARD MITIGATION PLAN

Hazard Mitigation Plan
Plan that is taken to reduce long-term risks to life and property from natural hazards. It is important because it catalogs the risks and what all is at stake as well as projects that can be completed to minimize hazard impacts. The plan profiles 9 hazards and includes information specific to each community located in the county.

Public Meeting: Risk Assessment
Holding a meeting open to community leaders, local businesses, and the public to review the previous HMP's hazards and provide updated information for the plan. The meeting will be held on:
April 20, 2023 from 5:00 pm to 7:00 pm
Event Location: Butler County Educational Services Center, 400 N. Erie Boulevard, Hamilton, Ohio 45011



4



4

Like

Comment



Butler County EMA, Ohio

April 17 at 8:30 AM · 🌐

LOCAL HAZARD MITIGATION PLAN

1 Hazard Mitigation Plan

tion that's taken to reduce long-term risks
against hazards.
e important because it catalogs the risks
and what all is at stake as well as
what to minimize hazard impacts.
Mitigation Plan profiles 9 hazards and
its to each community located in the

g: Risk Assessment

holding a meeting open to community
and the public to review the previous
n updated information for the plan.
ing will be held on:
5:00pm to 7:00pm
Public Meeting:
Educational Services Center
rth, OH,
13.



Butler County EMA, Ohio

April 6 at 8:32 AM · 🌐

The Butler County EMA will be holding a public meeting to update the County's Hazard Mitigation Plan on April 20, 2023 at Butler County Education Services Center (400 N. Erie Boulevard, Hamilton, Ohio 45011) from 5:00 pm to 7:00 pm. The public is invited to share their experiences and contribute to this important plan.

2 ➦

👍 Like

💬 Comment



Butler County EMA, Ohio

6d · 🌐

Reminder tomorrow is the meeting with our hazard mitigation folks.
Feel free to join at 5:00 p.m.



Butler County EMA, Ohio

April 6 at 8:32 AM · 🌐

The Butler County EMA will be holding a public meeting to update the County's Hazard Mitigation Plan on April 20, 2023 at Butler County Education Services Center (400 N. Erie Boulevard, Hamilton, Ohio 45011) from 5:00 pm to 7:00 pm. The public is invited to share their experiences and contribute to this important plan.

👍 1

👍 Like

💬 Comment



Butler County EMA, Ohio

23h · 🌐

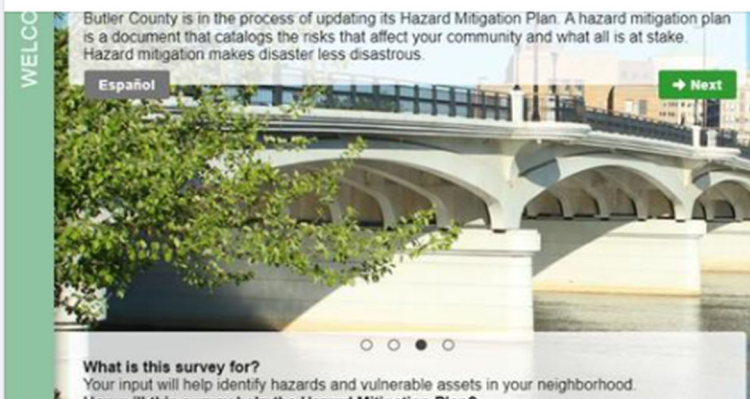
Butler County is updating its Hazard Mitigation Plan, and we want input from YOU! We have developed a public survey that provides background on what hazard mitigation is and asks participants to take an active role in the process.

The survey includes ranking top hazards for your community, answering questions about past experiences with hazard events, and identifying areas of concern on a map.

The survey will be available to residents of Butler County from April 17th through June 9th at the following link:

<https://metroquestsurvey.com/f5w6m>.

Thank you for doing your part to help Butler County in its update of the Hazard Mitigation Plan!



LIVE.METROQUESTSURVEY.COM

Butler County Hazard Mitigation Plan Survey

Take this quick survey to weigh in on Defiance County's Hazard Mit...



3



1



Like



Comment



Share



Butler County EMA, Ohio

4h · 🌐

El condado de Butler está actualizando su Plan de Mitigación de Riesgos, ¡y queremos su opinión! Hemos desarrollado una encuesta pública que ofrece antecedentes sobre lo que es la mitigación de riesgos y pide a los participantes que asuman un papel activo en el proceso. La encuesta incluye clasificar los riesgos principales para su comunidad, responder preguntas sobre experiencias pasadas con eventos peligrosos e identificar áreas de preocupación en un mapa.

La encuesta estará disponible para los residentes del condado de Butler desde el 17 de abril hasta el 9 de junio en el siguiente enlace: <https://metroquestsurvey.com/ag97j>.

¡Gracias por hacer su parte para ayudar al condado de Butler en su actualización del Plan de Mitigación de Riesgos!



LIVE.METROQUESTSURVEY.COM

Encuesta del Plan de Mitigación de Riesgos del Condado de Butler



1



Like



Comment



Share



City of Hamilton, Ohio - City Hall

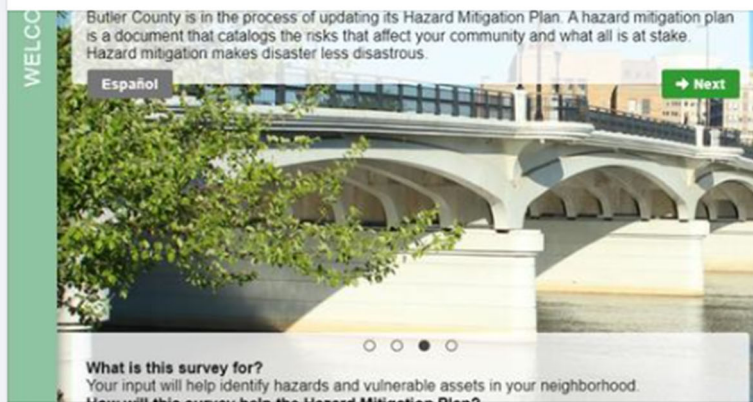
7h · 🌐

Butler County is updating its Hazard Mitigation Plan, and we want input from YOU! We have developed a public survey that provides background on what hazard mitigation is and asks participants to take an active role in the process. The survey includes ranking top hazards for your community, answering questions about past experiences with hazard events, and identifying areas of concern on a map.

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<https://metroquestsurvey.com/f5w6m>.

Thank you for doing your part to help Butler County in its update of the Hazard Mitigation Plan!



LIVE.METROQUESTSURVEY.COM

Butler County Hazard Mitigation Plan Survey

Take this quick survey to weigh in on Defiance County's Hazard Mit...



Like



Comment



Share

**Butler County EMA, Ohio**

29m · 🌐

The Butler County EMA will be holding a public meeting to update the County's Hazard Mitigation Plan on June 8, 2023, at Hawk Haven located in front of Johnston Hall on the campus of Miami University Middletown. The address for the public meeting is 4200 N. University Boulevard, Middletown, Ohio 45042. The meeting will be held from 5:00 to 7:00 PM. The public is invited to share their experiences and contribute to this important plan. Here is a survey if you are able to submit feedback: <https://live.metroquestsurvey.com/?u=f5w6m...>

Butler County 2023 Hazard Mitigation Plan

- Hazard Mitigation is any action that's taken to reduce long-term risks to life and property from natural hazards.
- Hazard Mitigation Plans are important because it catalogs the risks that affect your community and what all is at stake as well as projects that can be completed to minimize hazard impacts.
- Butler County's Hazard Mitigation Plan profiles 10 hazards and includes information and mitigation projects specific to each community located in the county.

Public Meeting: Mitigation Strategy

- The Butler County EMA is holding a meeting open to the community leaders of the county, stakeholders, and the public to review the previous HMP's mitigation actions and provide updated information for the plan.
- The Mitigation Strategy Meeting will be held on:
 - **June 8, 2023, from 5:00 - 7:00 PM**
- Location of the Mitigation Strategy Meeting:
 - **Hawk Haven, located in front of Johnston Hall**
4200 N. University Boulevard
Middletown, Ohio 45042



2



1



2



Like



Comment



City of Monroe Fire Department

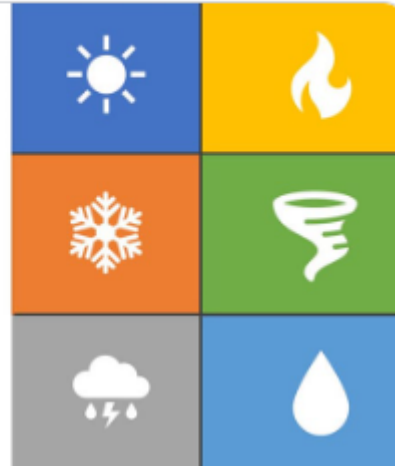
May 26 at 2:26 PM · 🌐

Butler County 2023 Hazard Mitigation Plan

- Hazard Mitigation is any action that's taken to reduce long-term risks to life and property from natural hazards.
- Hazard Mitigation Plans are important because it catalogs the risks that affect your community and what is at stake as well as projects that can be completed to minimize hazard impacts.
- Butler County's Hazard Mitigation Plan profiles 20 hazards and includes information and mitigation projects specific to each community located in the county.

Public Meeting: Mitigation Strategy

- The Butler County EMA is holding a meeting open to the community leaders of the county, stakeholders, and the public to review the previous HMP's mitigation actions and provide updated information for the plan.
- The Mitigation Strategy Meeting will be held on:
 - **June 8, 2023, from 5:00 – 7:00 PM**
- Location of the Mitigation Strategy Meeting:
 - **Hawk Haven, located in front of Johnston Hall**
4200 N. University Boulevard
Middletown, Ohio 45042



Butler County EMA, Ohio

May 26 at 2:16 PM · 🌐

The Butler County EMA will be holding a public meeting to update the County's Hazard Mitigation Plan on June 8, 2023, at Hawk Haven located in front of Johnston Hall on the campus of Miami University Middletown. The address for the public meeting is 4200 N. University Boulevard, Middletown, Ohio 45042. The meeting will be held from 5:00 to 7:00 PM. The public is invited to share their experiences and contribute to this important plan. Here is a survey if you are able to submit feedback;
<https://live.metroquestsurvey.com/?u=f5w6m...>



Like



Comment



Butler County EMA, Ohio
 August 15 at 6:11 PM · 🌐


Butler County Mitigation Plan Update - Open Comment Period

The draft of the 2023 Butler County Mitigation Plan Update is currently live for the open comment period. Please go to EMA.BCOHIO.gov for more information.




EMA.BCOHIO.GOV
Welcome to Butler County Emergency Management Agency, OH
 Coordinating people and resources to protect the lives and property within Butler County by working together to achieve one goal for...

 1



 1


 Like
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BUTLER COUNTY, OHIO
 EMERGENCY MANAGEMENT AGENCY


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 [GO](#)


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 **SPILL REPORTING**


 **TRAINING INFORMATION**

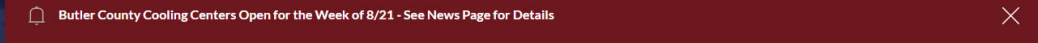
 **MEDIA RELEASES**


 **NEWS AND EVENTS**


 **SPECIAL OPERATIONS**

 **LOCAL EMERGENCY PLANNING COMMITTEE**

 **MISSION STATEMENT**







UPCOMING EVENTS



BUTLER COUNTY, OHIO
EMERGENCY MANAGEMENT AGENCY

315 HIGH STREET, SUITE 400
HAMILTON, OHIO 45011
PHONE: 513.785.5800
EMAIL: ECEM@BUTLERCOUNTYOHIO.ORG

2023 Butler County Hazard Mitigation Plan Update
Comment Form

Name:
Comments:

Butler County Emergency Management Information Hotline - (513) 785-5800.
www.butlercountypa.org
@ButlerCEM



BUTLER COUNTY, OHIO
EMERGENCY MANAGEMENT AGENCY

315 HIGH STREET, SUITE 400
HAMILTON, OHIO 45011
PHONE: 513.785.5800
EMAIL: ECEM@BUTLERCOUNTYOHIO.ORG

2023 Butler County Hazard Mitigation Plan Update
Draft Copy
Open for Public Copy until 8/24/2023

Butler County Emergency Management Information Hotline - (513) 785-5800.
www.butlercountypa.org
@ButlerCEM



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APPENDIX B. PLANNING PROCESS MEETING DOCUMENTATION

Contents of Appendix B:

1. Stakeholder Meeting #1 – Kickoff Meeting – Meeting Minutes
2. Images of Stakeholder Meeting #1 – Kickoff Meeting
3. PowerPoint for Public Meeting #1
4. Images of Public Meeting #1
5. Stakeholder Meeting #2 – Mitigation Strategy Meeting – Meeting Minutes
6. Images of Stakeholder Meeting #2 – Mitigation Strategy Meeting
7. PowerPoint for Public Meeting #2
8. Images of Public Meeting #2

Butler County Hazard Mitigation Plan Update

Kickoff Meeting Minutes

April 20, 2023

10:00 – 11:30 AM

Place: Butler County Board of Elections
1802 Princeton Road
Hamilton, OH 45011

ATTACHED: LIST OF ATTENDANCE

MEETING FACILITATORS

Matt Haverkos, Director, Butler County Emergency Management Agency

Jim Bolen, Deputy Director, Butler County Emergency Management Agency

Phil Clayton, Southwest Ohio Regional Supervisor, Ohio Emergency Management Agency

Jason Farrell, Project Manager, Michael Baker International

Claire Fетters, Planner, Michael Baker International

MEETING AGENDA

1. Welcome and Introductions
2. Introduction to Hazard Mitigation
 - Definition of Hazard Mitigation
 - Benefits of Hazard Mitigation
 - 2018 Butler County Hazard Mitigation Plan
3. Components of a Hazard Mitigation Plan
 - Community Profile
 - Planning Process
 - Risk Assessment
 - Mitigation Strategy
 - Plan Maintenance and Implementation
4. Butler County HMP Website
5. Completion of Forms 1, 2, 3, & 4
6. Butler County Public Survey
7. Next Steps and Action Items

Welcome and Introductions

Deputy Director Bolen opened the meeting by thanking everyone for coming and briefly introducing the overall project. He then introduced the Butler County EMA Director, Director Haverkos. Director Haverkos echoed Deputy Director Bolen's comments on the Butler County Hazard Mitigation Plan Update effort, thanked all participants for taking time to learn more about hazard mitigation, and spoke to the importance of having an active mitigation plan in place for the county and its jurisdictions. Director Haverkos then turned the floor over to Phil Clayton representing Ohio EMA. Mr. Clayton welcomed all county representatives, community leaders, and stakeholders and discussed how the State of Ohio is continuing to work on and improve their hazard mitigation program, including supporting local communities during their mitigation planning processes. Jason Farrell of Michael Baker International then introduced himself and began the presentation for the meeting.

Introduction to Hazard Mitigation

Jason explained the core concept of mitigation, including the formal definition of hazard mitigation and the background of the legislature behind hazard mitigation plans, DMA 2K. He then explained why hazard mitigation is needed, and that the mitigation plan is required to receive certain funds through FEMA. In addition, Mr. Farrell spoke to the importance of implementing hazard mitigation projects in the county – the investment of mitigation prevents human injury and loss of life, protects community assets, reduces costs of disaster response/recovery, and supports who and what is important in Butler County. He then discussed the previous plan for Butler County, and why the county was undertaking a plan update. Hazard mitigation plans are valid for five years and must be go through a complete update at the end of each five years.

Components of a Hazard Mitigation Plan

Mr. Farrell continued the meeting by discussing the components of a mitigation plan.

- Community Profile
- Planning Process
- Risk Assessment
- Mitigation Strategy
 - Capability Assessment
 - Goals and Objectives
 - Previous/New Actions
- Plan Maintenance and Implementation

Jason discussed in a Community Profile, geography and environment of the planning area is generally covered, as well as community facts, population and demographics, land use and development, data sources, and any data limitations.

The planning process within the plan captures the community, stakeholder, and public outreach and engagement that was conducted during the plan's development. Jason then discussed what is expected of the participants, both currently in attendance and those who will serve on the Butler County Hazard Mitigation Planning Committee in the next round of meetings. All county and community leaders as well as stakeholder participants who provide input on the plan are included on the planning team.

The risk assessment for the plan update will profile 10 total hazards: tornadoes, severe thunderstorms, flooding, extreme temperatures, severe winter storms, earthquakes, drought,

dam/levee failure, health-related emergencies, and hazardous materials incidents. The two new hazards that have been added to the plan update due to an increase in risk and probability of occurrence are health-related emergencies and hazardous materials incidents. Included in each hazard profile will be a description of the hazard, location of where the hazard can occur, the extent or magnitude of which the hazard event can measure, previous occurrences of the hazard, probability of future occurrence, potential impacts, and a vulnerability assessment cataloging the county's assets that could suffer impacts.

Mr. Farrell briefly discussed the remaining components: mitigation strategy and plan maintenance and implementation. After going over the key topics of the components, he explained that the next community leader and stakeholder meeting, the Mitigation Strategy Meeting, these components will be expanded on in more detail.

Butler County HMP Website

After describing each component of the hazard mitigation plan, Mr. Farrell went through the Butler County Hazard Mitigation Planning Website to illustrate how the jurisdictions would submit the required forms and information for the mitigation plan if the physical copies of the forms were not completed during the meetings.

Completion of Forms 1, 2, 3, & 4

Each meeting participant received a folder upon entering the meeting – a city or village representative was given a folder labeled for their community and all stakeholder representatives picked up a folder designated for partners in mitigation. Within each folder, four forms were provided: 1. Hazard Priority Worksheet, 2. Risk Evaluation, 3. Vulnerability Assessment, and 4. Changes in Development.

Participants first completed the Hazard Priority Worksheet. The form asks that the participant rank each hazard that will be profiled in the plan with a priority ranking of “high,” “medium,” or “low” with consideration to risk factors of probability, impact, spatial extent, warning time, and duration.

1. Hazard Priority Worksheet

Name: _____ Title: _____

Community/Organization: _____

Rank each hazard that is profiled in the Butler County Hazard Mitigation Plan Update by the risk it presents to your community or organization. Consider the following hazard risk factors that could impact how you rank each hazard by priority:

- Probability
- Impact
- Spatial Extent
- Warning Time
- Duration

Hazard	Ranking of Hazard (High/Medium/Low)	Additional Comments
Tornadoes		
Severe Thunderstorms		
Flooding		
Extreme Temperatures		
Severe Winter Storms		
Earthquakes		
Drought		
Dam Failure		
Health Related Emergencies		

*Hazardous Materials Incidents not included on form as it was added during the meeting

As the meeting participants began to complete the form, a question was asked if stakeholders were to complete the form from the view as a general public member or from the view of the organization they were representing. The response given was to complete the forms from the view of the represented organization/agency. A second question was asked as to what spatial extent meant. The response was that spatial extent is the geographic location size impacted by the hazard event.

The second form completed was the Risk Evaluation Worksheet. The activity lists the hazards that were profiled in the previous plan and asks participants to state if each hazard has increased, decreased, or there has been no change in the hazard's frequency of occurrence, magnitude of impact and/or geographic extent. Mr. Farrell noted that health-related emergencies and hazardous materials incidents was not included on the form since it was not profiled in the previous plan.

2. Risk Evaluation Worksheet

Name: _____ Title: _____

Community/Organization: _____

Hazard	How has the frequency of occurrence, magnitude of impact, and/or geographic extent changed in your community?	Additional Comments
	NC=No Change, I=Increase, D=Decrease (Please provide an explanation for any hazards marked I or D in the "Additional Comments" column)	
Tomadoes		
Severe Thunderstorms		
Flooding		
Extreme Temperatures		
Severe Winter Storms		
Earthquakes		
Drought		
Dam Failure		

The third form completed by the meeting participants was the Vulnerability Assessment. The form includes all the profiled hazards in the risk assessment with space for the participant to provide a few sentences on the vulnerable assets located in their community or organization in relation to the hazard. It was stressed that with the new policy being active, there is a stronger importance on identifying each community's vulnerabilities for each hazard in the plan.

3. Vulnerability Assessment

Name: _____ Title: _____

Community/Organization: _____

Tornado:

Severe Thunderstorms:

Flooding:

Extreme Temperatures

Severe Winter Storms:

Earthquake:

The last form completed during the meeting was the Changes in Development Worksheet. Each community leader and stakeholder representative was asked to identify any development or policy changes that have occurred in the last five years, since the previous plan was developed. The worksheet also prompted the participant to consider if there had been any redevelopment that has occurred. If there had been any development, policy changes, or redevelopment, the participant was then asked to speak to how that has impacted or not impacted the vulnerability of their community or organization.

4. Changes in Development Worksheet

Name: _____

Title: _____

Community/Organization: _____

Tell us in a couple of sentences of any development or policy changes that have occurred in the past five years that may impact the vulnerability of your community to the identified hazards. Also consider any redevelopment that has occurred. As communities change and grow, their susceptibility to hazards change. If no significant changes have happened, please also tell us that.

Butler County Public Survey

Mr. Farrell then highlighted the public survey that was developed for the hazard mitigation plan update. There was a QR code on the screen for meeting participants to scan with their phone. Jason stated that the survey had launched that Monday, April 17th, and would be open to the public until June 9th. He mentioned that the survey was available in both English and Spanish, and in the public meeting that was held later in the evening on April 20th, that there would be paper surveys in both languages for the general public to complete. A meeting participant asked if they would be sending out the public survey information so that it can be posted on their social media pages? It was confirmed that the meeting participants would receive the information to post to spread awareness.

Next Steps and Action Items

Once the participants were done completing their forms, the final step was to go over the remainder of the project. This included a short discussion about public meeting that was to be held later in the day at the Butler County Educational Services Center and the Mitigation Strategy Meeting that would be held for further jurisdictional and stakeholder engagement. Mr. Farrell spoke to the project team's next steps – continue to work on the plan update. After reviewing the planning schedule, those in attendance were asked if there were any further questions before adjourning. There were no additional questions. Mr. Haverkos and Mr. Bolen thanked everyone for attending and their participation, and the meeting was adjourned.

Butler County Hazard Mitigation Plan Update
Stakeholder Kick-off Meeting
 April 20, 2023 10:00 AM

Name	Title	Jurisdiction/ Organization	Telephone	E-Mail Address
Brian Perkins	Asst. PW Director	City of Monroe	513-539-8774	perkinsb@monroecounty.org
Todd Fryman	Council	Seven Mile	937 608 4757	toddfryman43@gmail.com
Jill Emst	Readiness & Response Program Manager	The Health Collaborative	513-565-9589	jemst@healthcollab.org
Bryan Rogers		Ross Township	513-816-4158	brogers@ross-twp.org
Tim Miller	Trustee	Reily Township	513-623-4559	
Mike Joseph	Sr Env. Engineer	Cleveland Cliffs	937 829 1538	mike.joseph@clevelandcliffs.com
Kathy Creighton	Ex. Director	Butler County Historical Society	513-586-9930	becmuseum@buse.com
Alicia Adams	District Safety	Edgewood CSD	513-484-0881	alicia.adams@edgewoodschools.net
Hema Chidambaram	Health Safety	Molson Coors	513 623 1204	hema.chidambaram@molsoncoors.com
Tom Rogers	Brewing Security	" "	513-844-4147	Tom.Rogers@molsoncoors.com
Sammy McCoy	Emergency Prep. Director	Butler Co. General Health Dist.	513-887-5238	mccoyj@butlercountyOhio.org
Aaron Nichols	Lieutenant	City of Trenton PD	513-425-0532	
DAVID LEVERAGE	FOOD CRISIS	CITY OF MONROE	(513) 515-3058	leverage.d@monroecounty.org

Hazard Mitigation Plan Update
 Butler County Kick-off Meeting
 April 20, 2023, 10:00 AM

Name	Title	Jurisdiction/ Organization	Telephone	E-Mail Address
GEORGE SIPKA	CORP SAFETY DIR	Cincinnati Financial	3174577834	george.sipka@cfini.com
Klara-Fredendick	QA Dirctv BCDD	Butler Co Board DD	513 785 4677	Kcfredendick@butlerdd.org
Jon Rice	SSA Director BCDD	Butler Co. Dev. Disabilities	(513) 785-2803	jlrice@butlerdd.org
Bern Rabe	Butler FCFC Dir	FCFC/ESC	513-240-6253	bern.rabe@bcesc.org
Tim Thomas	Frankford Twp	Frankford Twp	513-785-2240	TThomas@frankfordtwp.org
Dwight Finch	HR & Ops Director	Butler County DD	513,785,2805	dfinch@butlerdd.org
CHRIS BROWN	BCEESC	Supt.	513 887 5520	brownce@bcesc.org
MARK FRANKLIN	OPS MANAGER	BCESTA	(513) 785-5031	franklinm@butlercountybcesta.com
Jim Franklin	Director Union Co. In Emg	Union Co. Emg	765-458-0505	unioncoemg@unioncounty.in.us
Rob Friedman	Service Director	City of Trenton	513-428-0157	rfriedman@trentonohio.gov
Brian Curtis	Captain	City of Monroe Police	513 464 2635	Curtisb@monroecounty.org
James Williams	Dir. of Public Works	City of Hamilton	(513) 785-7056	James.Williams@HamiltonOH.gov
David Pickering	Asst. Fire Chief	West Chester	(513) 319-1611	dpickering@westchesterOH.org
DAVE BATES	Preso CEO	Greater Hamilton Chamber	513 454-5066	dave@hamiltonchamber.com
Kim Whitten	Comm. Impact Man.	BCUW	513-379-4660	kwhitten@bcu-university.org

Name	Title	Jurisdiction/ Organization	Telephone	E-Mail Address
Steve Miller	Chief	Ross Fire	863-3410	smiller@rossfire.com
Kelly Crout	District Director	Butler SWCD	987-3720	croutka@butlercountyohio.gov
Tom Lacamp	Fire Chief	City of Fairfield	513-867-4359	tlacamp@fairfieldohio.gov
Ethan Klusmen	Fire Chief	Liberty Twp	513-759-7530	eklusmen@liberty-township.com
Ed Theroux	Talawanda Supt	Talawanda	513.846.0693	theroux@talawanda.org
Bob Wolfe	PA Administrator	PUCD	614.644-7691	rob.wolfe@pucd.ohio.gov
Scott Davis	Principal	Talawanda High	513-280-1888	davis@talawanda.org
Phil Sackenheim	G.M.	SOUTHWEST REGIONAL WATER	513-805-2367	SACKENHEIM.P@SOUTHWEST.ORG
Terry Perdue	Exec. Director	Shared Harvest Foodbank	513-806-9818	terry@sharedharvest.org
Tim Perickson	Principal	Talawanda Middle	513-315-4281	perickson.T@Talawanda.org
Tiffany Ermbly	Dir. of Marketing	Hamilton Chamber	513-479-6736	tiffany@hamilton-ohio.com
Uche Adigwe	Zone / Flood Mgr	Butler County	916-832-0302	Uche.Adigwe@bc.ohio.gov
STEVE LUDWIG	ASST. CHIEF	MIDDLETOWN	513-425-7996	stevelu@cityofmiddlesboro.org
John Johnson	St. Clair trustee	St. Clair Twp	513.839.1147	jjohnson@stclairtrustco.org
Scott Breessler	BCED - Operations Deputy	Butler Co. EUG	513-678-6330	breessler@bced.org

Page 3

Name	Title	Jurisdiction/ Organization	Telephone	E-Mail Address
Liz Hayden	Planning Director	CITY OF HAMILTON	513.785.7068	liz.hayden@hamilton-ohio.gov
Nan Carroll	Dir. Mgr. Govt Relations	COA	513-703-9057	ncarroll@help4semas.org
Barry Pustas	CHIEF ENG & TECH SERVICES	MIAMI CONSTRUCTION DISTRICT	957-223-1271	bpustas@mediator.org
MAT CAPP	Director	Fairfield City Schools	513-623-8403	ccapp@fairfieldcityschools.com
Uche Adigwe	Zone / Flood Mgr	Butler County		Uche.Adigwe@bc.ohio.gov
MIKE SWORD	MAYOR	JACKSONBURG	513-464-6582	SWORDMIKE@GMAIL.COM
Phillip Clayton	Dis. Services Supervisor	OEMA	614.296.4551	phsclayton@ops.ohio.gov
Drew Vandeschmidt	Specialist	BCEMA	513-785-5810	vandeschmidt@butlercountyohio.org
Matt Haverko	Director	Butler County EMA	513-785-5810	Haverko.MR@butlercountyohio.org
Jim Bolen	Deputy Director	Butler County EMA	513-785-5810	Bolen.SA@butlercountyohio.org

Page 4

Images of Stakeholder Meeting #1 – Kickoff Meeting









PowerPoint for Public Meeting #1

2023 Butler County Hazard Mitigation Plan Update

Community Meeting

April 20, 2023

Butler County Educational Services Center
400 N. Erie Boulevard
Hamilton, Ohio 45011

Michael Baker
INTERNATIONAL | *We Make a Difference*

1

What is Hazard Mitigation

Michael Baker
INTERNATIONAL

Hazard mitigation is any sustained action taken to reduce or eliminate long-term risk to life and property resulting from natural and human-made hazards.



We Make a Difference

2

2

Butler County Hazard Mitigation Plan Update

Michael Baker
INTERNATIONAL



Hazards profiled in the 2023 Update:

- Tornado
- Severe Thunderstorm
- Flooding
- Extreme Temperatures
- Severe Winter Storms
- Earthquakes
- Drought
- Dam/Levee Failure
- Health-related Emergencies



3

3

Butler County Hazard Mitigation Plan Survey

Michael Baker
INTERNATIONAL

- Available April 17th – June 9th
- Online link:
<https://metroquestsurvey.com/f5w6m>
(English) or
<https://metroquestsurvey.com/ag97j>
(Spanish)
- Scan the QR code to take the survey!
- English and Spanish paper copies are also available



We Make a Difference

4

4

Mitigation is an Investment

Prevent	human injury and loss of life
Protect	community assets
Reduce	costs of disaster response/recovery
Support	who and what is important to your community

5

5

Printed Maps

Michael Baker
INTERNATIONAL

- Butler County Base Map
- Butler County Flood Zones
- Previous Tornadoes in Butler County
- COVID Cases by Zip Code in Butler County
- Dams in Butler County

Use the **PINK** marker to indicate an area of concern/vulnerability, the **BLUE** marker to indicate an area that floods frequently, the **YELLOW** marker to indicate a mitigation project suggestion, and the **GREEN** marker to indicate a strength of the county!

We Make a Difference

6

6

Questions?

Michael Baker
INTERNATIONAL

Jim Bolen

bolenja@butlercountyohio.org | 513-785-5814

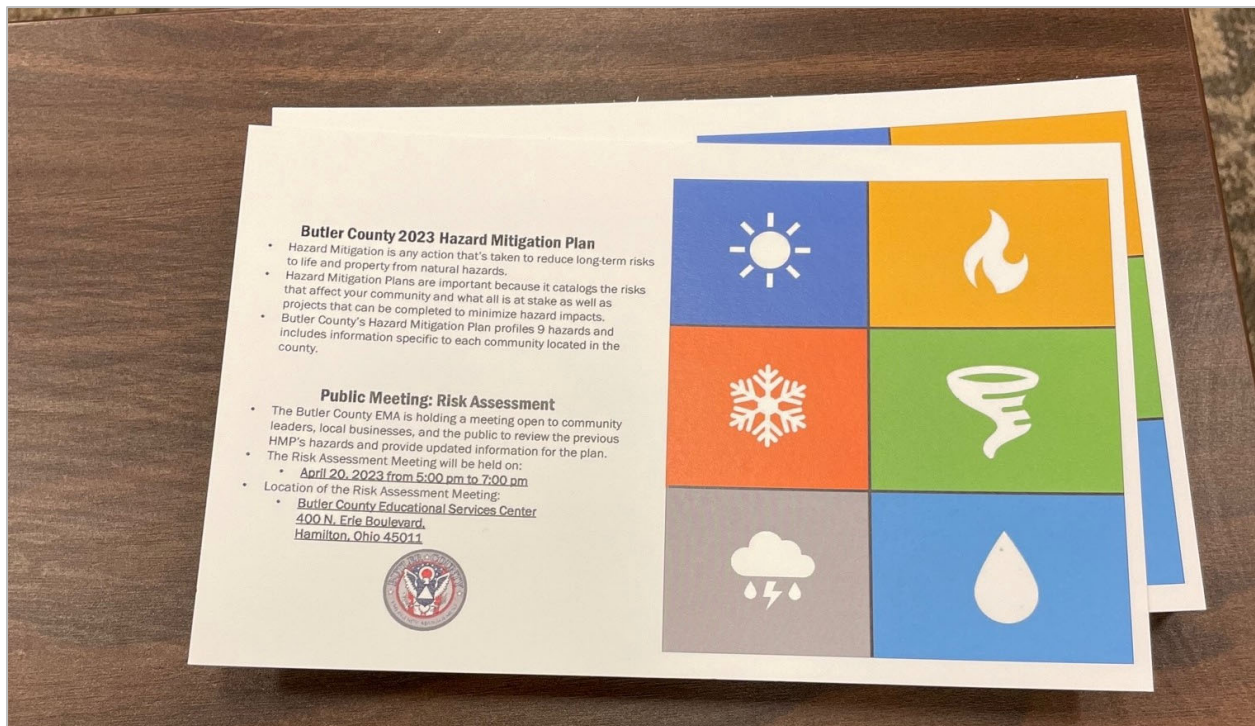
Jason Farrell

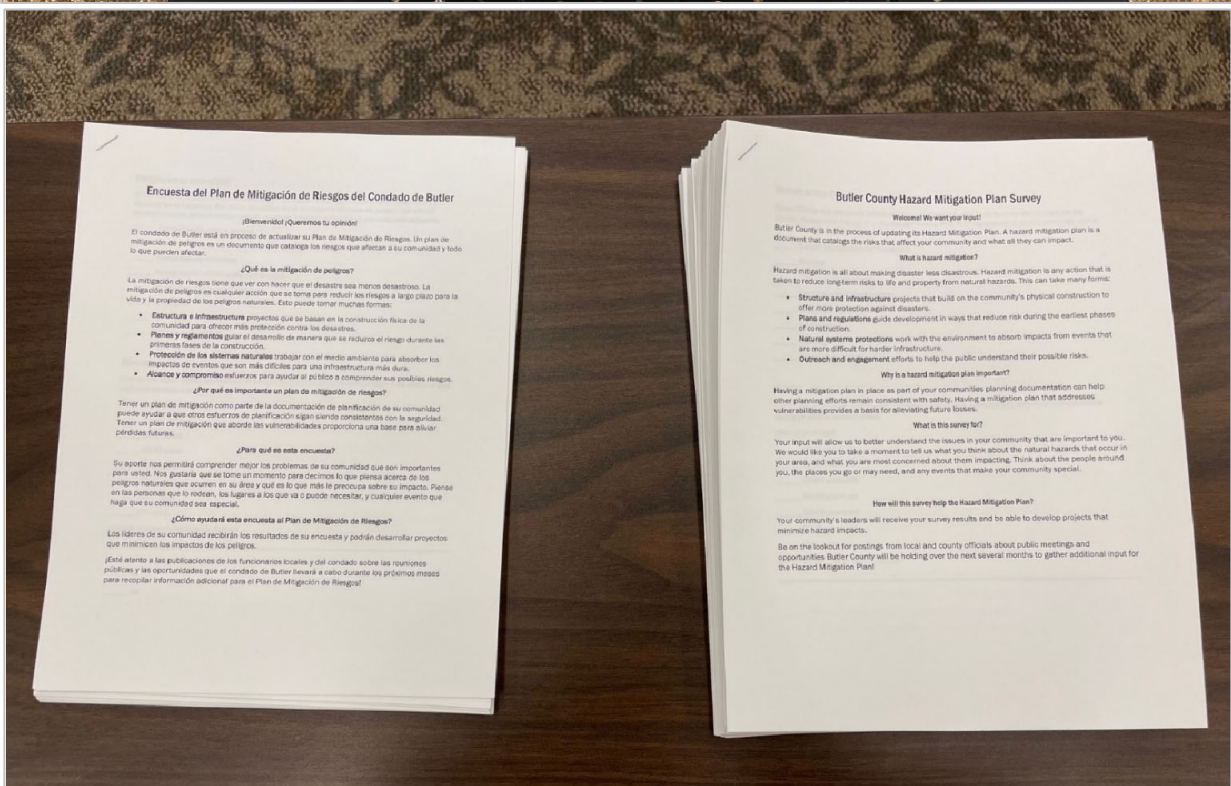
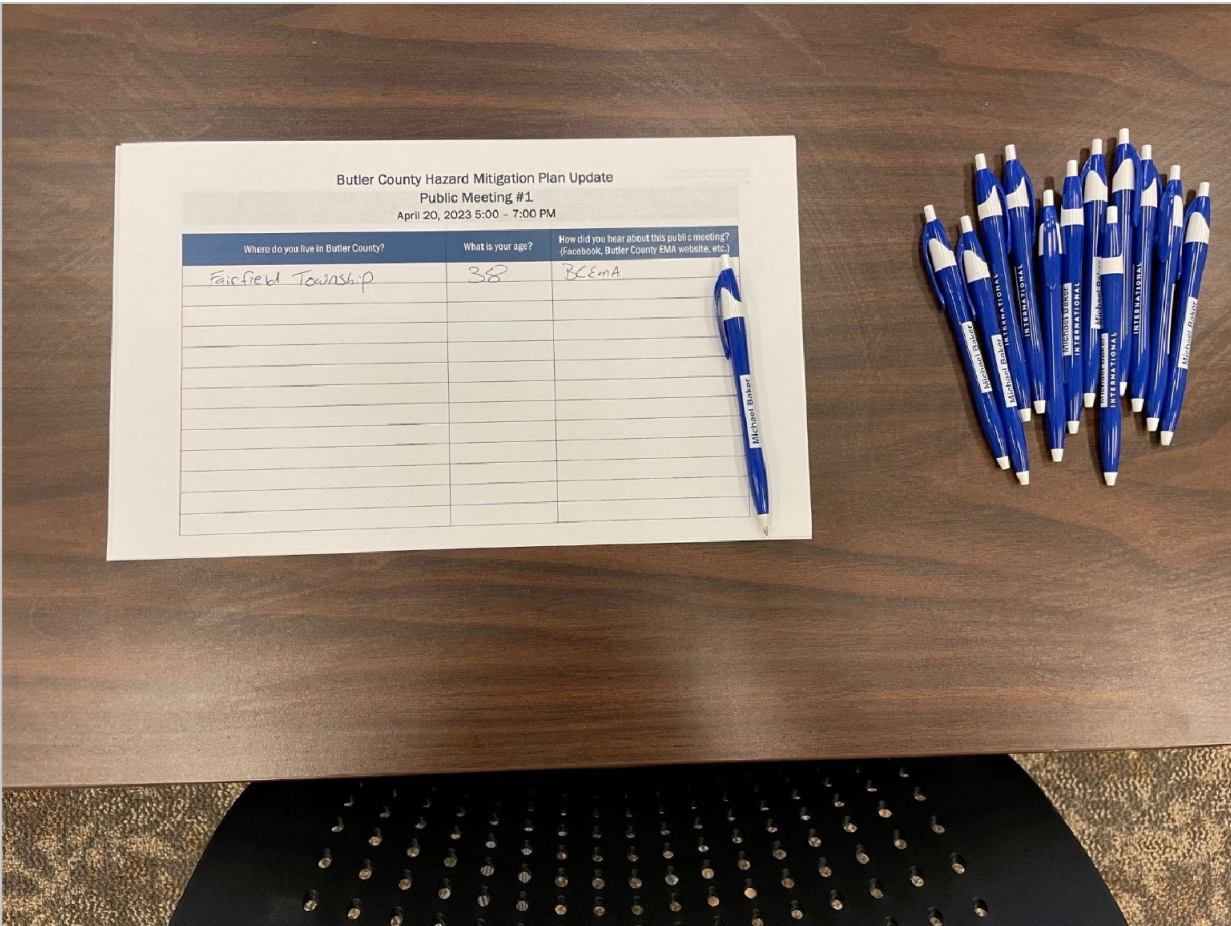
Jason.Farrell@mbakerintl.com | 614-538-7610

Claire Feters

Claire.Feters@mbakerintl.com | 614-538-7605

Images of Public Meeting #1





2023 Butler County Hazard Mitigation Plan Update

Community Meeting

April 20, 2023

Butler County Educational Services Center
400 N. Erie Boulevard
Hamilton, Ohio 45011

Michael Baker
INTERNATIONAL

We Make a Difference

Butler County Hazard Mitigation Plan Update

Mitigation Strategy Meeting Minutes

June 8, 2023

10:00 AM – 12:00 PM

Place: Butler County Educational Service Center
400 N. Erie Boulevard
Hamilton, OH 45011

ATTACHED: LIST OF ATTENDANCE

MEETING FACILITATORS

Matt Haverkos, Director, Butler County Emergency Management Agency

Jim Bolen, Deputy Director, Butler County Emergency Management Agency

Phil Clayton, Southwest Ohio Regional Supervisor, Ohio Emergency Management Agency

Jason Farrell, Project Manager, Michael Baker International

Josh Vidmar, Planner, Michael Baker International

Claire Feters, Planner, Michael Baker International

MEETING AGENDA

8. Welcome and Introductions
9. Brief Overview of Hazard Mitigation
 - Recap of What Hazard Mitigation Is
 - Components of a Hazard Mitigation Plan
 - Mitigation Strategy
10. Timeline of Butler County HMP
11. Butler County HMP Website
12. Completion of Forms 5, 6, & 7
13. Butler County Public Survey
14. Next Steps and Action Items

Welcome and Introductions

Deputy Director Bolen opened the meeting by thanking everyone for coming and briefly introducing the overall project. He then introduced the Butler County EMA Director, Director Haverkos. Director Haverkos echoed Deputy Director Bolen's comments on the Butler County Hazard Mitigation Plan Update effort, thanked all participants for taking time to learn more about hazard mitigation, and spoke to the importance of having an active mitigation plan in place for the county and its jurisdictions. Jason Farrell of Michael Baker International then introduced himself and began the presentation for the meeting. It was announced that this meeting would be the final in-person meeting for the planning process, but if any communities or stakeholders wanted, one-on-one meetings would be scheduled and conducted virtually. Mr. Farrell then explained how the meeting held would be focused on the mitigation strategy and discussed the agenda for the meeting.

Brief Overview of Hazard Mitigation

Jason reviewed the core concept of mitigation, including the formal definition of hazard mitigation and the background of the legislature behind hazard mitigation plans, DMA 2K. He then explained why hazard mitigation is needed, and that the mitigation plan is required to receive certain funds through FEMA. In addition, Mr. Farrell spoke to the importance of implementing hazard mitigation projects in the county – the investment of mitigation prevents human injury and loss of life, protects community assets, reduces costs of disaster response/recovery, and supports who and what is important in Butler County.

Components of a Hazard Mitigation Plan – Mitigation Strategy

Mr. Farrell continued the meeting by discussing the general components of a hazard mitigation plan, specifically the mitigation strategy and plan maintenance strategy.

- Mitigation Strategy
 - Capability Assessment
 - Goals and Objectives
 - Previous/New Actions
- Plan Maintenance and Implementation

Mr. Farrell briefly discussed the components that were covered in the previous meeting held: Community Profile, Planning Process, and Risk Assessment. Mr. Farrell then explained what a capability assessment is: the current planning and regulatory, administrative and technical, and fiscal resources each community currently has in place to further hazard mitigation. He then explained each type of capability and gave examples of each.

Goals and objectives were then discussed. Mr. Farrell explained how goals are the broad strategies of what the plan, when implemented, will aim to address. Often times, communities develop slightly more specific objectives to give more context to the actions. Then, mitigation actions are developed. Mitigation actions are the most specific aspect of the three – they are the blueprints of how to, once implemented, reduce hazard impacts on the vulnerable assets of the county.

Next, Mr. Farrell discussed the four types of actions local communities can develop: local plans and regulations, structure and infrastructure projects, natural systems protections, and education and awareness programs. He then gave several examples of each type of action.

Timeline of Butler County HMP Planning Process

Meeting participants were then given an update on the remaining timeline for the planning process. Mr. Farrell discussed the past meetings held and the future, expected dates for the draft plan to be finalized and then submitted to the State of Ohio and FEMA Region 5 for review and approval.

The City of Hamilton representative asked when the plan will be eligible to adopt. Mr. Farrell responded by explaining the regulatory 45-day period that both the State of Ohio and FEMA have to review the plan. Upon receiving Approvable-Pending-Adoption (APA) status, template resolutions will be sent out to the plan participants to use as desired. Ultimately, the plan will be eligible to adopt upon receiving APA status – communities will have up to a year to adopt the plan, but the sooner the plan is adopted, the better.

Butler County HMP Website

After giving an update on the timeline of the plan's development, Mr. Farrell went through the Butler County Hazard Mitigation Planning Website to illustrate how the jurisdictions can continue to submit the required forms and information for the mitigation plan if the physical copies of the forms were not completed during the meetings.

Completion of Forms 5, 6, & 7

Each meeting participant received a folder upon entering the meeting – a city or village representative was given a folder labeled for their community and all stakeholder representatives picked up a folder designated for partners in mitigation. Within each folder for the incorporated jurisdictions, three forms were provided: 5. Capability Assessment, 6. Previous Actions Status, and 7. New Mitigation Actions. Within each folder for the stakeholder participants, two forms were provided: 5. Capability Assessment and 7. New Mitigation Actions. Form 6 is unique to the previous plan's participants, and there were no adopting stakeholder participants in the previous plan.

Participants first completed the Capability Assessment. The form asks that the participant identify all the current planning and regulatory, administrative and technical, and fiscal capabilities that are currently in place within their community.

A question was asked if it was okay that a stakeholder doesn't have subdivision regulations, or the majority of capabilities listed. Jason responded that the form is designed as a "one size fits all" for both communities and stakeholders to be able to complete. In addition to that, the form tries to encompass all capabilities that a community might have, so the jurisdictions most likely will not have all capabilities either.

5. Capability Assessment Survey

Name: _____ Title: _____

Community/Organization: _____

Planning and Regulatory Capability: Please indicate whether the following planning or regulatory tools and programs are currently in place in your community, currently under development, or your community does not have the tool by placing an "X" in the appropriate box. If you have any additional information about the specific planning or regulatory tool, please provide comments or explanations in the space provided.

Tool/Program	Status			Comments:
	In Place	Under Development	Do Not Have	
EXAMPLE: Hazard Mitigation Plan		X		Adopted in 2017; plan update is under development
Building Codes				
Capital Improvement Plan				
Continuity of Operations Plan				
Disaster Recovery Plan				
Economic Development Plan				
Emergency Operations Plan				
Evacuation Plan				
Farmland Preservation Plan				
Fire Code				
Firewise				
Floodplain Management Plan				
Floodplain Regulations				
Historic Preservation Plan				

The second form completed was the Previous Actions Status Worksheet by the cities and villages who attended the meeting. The activity lists the actions from the previous plan, and asks the respondent to identify if each action their community was responsible for has been completed, is an ongoing effort, has not yet been started but still applicable, or needs to be removed from the plan update as it is no longer relevant. Mr. Farrell noted that the communities were not required to have completed all the actions they had in the plan; it is just required that each action has a status update.

6. Previous Actions Status Update Worksheet

Name: _____ Title: _____

Community/Organization: _____

Mitigation Actions from Previous HMP	Responsible Party	New Status <u>Defer</u> = Carried over to new plan <u>Ongoing</u> = Action is in progress <u>Remove</u> = No longer a priority, delete action from plan <u>Complete</u> = The project was completed
Emergency Notification: Investigate new notification options including media/social media and by connecting partners Education i.e., emergency utility shutoffs (gas, water, electricity)	Butler County, Fairfield, Hamilton, Middletown, Monroe, Oxford, Sharonville, Trenton, College Corner, Jacksonburg , Millville, New Miami, Seven Mile	
IPAWS Web app Implementation: Apply for funding and implement this program	Butler County, Fairfield, Hamilton, Middletown, Monroe, Oxford, Sharonville, Trenton, College Corner, Jacksonburg , Millville, New Miami, Seven Mile	
Update list of Emergency shelters	Butler County, Fairfield, Hamilton, Middletown, Monroe, Oxford, Sharonville, Trenton, College Corner, Jacksonburg , Millville, New Miami, Seven Mile	
Mitigation activity funding: Apply for funding to implement top priority mitigation projects	Butler County, Fairfield, Hamilton, Middletown, Monroe, Oxford, Sharonville, Trenton, College Corner, Jacksonburg , Millville, New Miami, Seven Mile	
Stricter Building Codes: Investigate and support the update of building codes to achieve sustainable buildings and structures to severe weather, <u>flooding</u> and other natural hazards. Priority focus on manufactured and mobile housing code enhancements	Butler County, Fairfield, Hamilton, Middletown, Monroe, Oxford, Sharonville, Trenton, College Corner, Jacksonburg , Millville, New Miami, Seven Mile	
Manufactured Housing Standards: Integrate and support zoning and health department priority focus on upgraded standards for manufactured and mobile housing codes	Butler County, Fairfield, Hamilton, Middletown, Monroe, Oxford, Sharonville, Trenton, College Corner, Jacksonburg , Millville, New Miami, Seven Mile	
Build Disaster Recovery Support Network	Butler County, Fairfield, Hamilton, Middletown, Monroe, Oxford, Sharonville, Trenton, College Corner, Jacksonburg , Millville, New Miami, Seven Mile	

The final form completed by the meeting participants was the New Mitigation Action Form. The form asks the respondent to identify the hazard that will be addressed through the action, the action description, the approximate cost estimate, the potential funding sources, the responsible party for implementation, the estimated timeline for completion, and the priority of the action.

7. New Mitigation Action Form

Name: _____ Title: _____

Community/Organization: _____

When filling out this form, consider the capabilities that you identified in Worksheet #5, as well as the hazards that can most affect your community. Try to answer the question of “how” you will reduce risks. Where applicable, be specific with locations!

Assessing the Risk

Hazard(s) addressed

Tornado, Severe Thunderstorm,
Flooding, Extreme Temperatures,
Severe Winter Storm, Earthquake,
Drought, Dam/Levee Failure,
Health-Related Emergencies,
Hazardous Materials Incidents

Describing the Action

Action description

Implementing the Action

Cost estimate

Approximate, quote not
needed

Potential funding sources

Example: FEMA Hazard
Mitigation Grant Program
(HMGP), Local budget for
match

Responsible party

Department / Title

Butler County Public Survey

Mr. Farrell then highlighted the public survey that was developed for the hazard mitigation plan update with a reminder that the survey would close in the evening of June 9th. There was a QR code on the screen for meeting participants to scan with their phone. Jason stated that the survey had launched that Monday, April 17th, and would be open to the public until June 9th. He mentioned that the survey was available in both English and Spanish, and in the public meeting that was held later in the evening on June 8th, that there would be paper surveys in both languages for the general public to complete. Mr. Farrell asked that meeting participants share to their social media pages to make one last push for public involvement through the survey.

Next Steps and Action Items

Once the participants were done completing their forms, the final step was to go over the remainder of the project. This included a short discussion about public meeting that was to be held later in the day at the Miami University – Middletown Branch Campus and the draft plan comment period that

would be held for participant and public feedback on the plan prior to its submittal for approval. Mr. Farrell spoke to the project team's next steps – finalize the plan update. After reviewing the planning schedule, those in attendance were asked if there were any further questions before adjourning. There were no additional questions. Mr. Haverkos and Mr. Bolen thanked everyone for attending and their participation, and the meeting was adjourned.

**Butler County Hazard Mitigation Plan Update
Stakeholder Mitigation Strategy Meeting
June 8, 2023, 10:00 AM**

Name	Title	Jurisdiction/ Organization	Telephone	E-Mail Address
Martin Schneider	Administrator	Butler County Coroner's Office	513-745-5860	schneiderm@butlercountycoroner.org
Kay Vonderschmidt	DM	TelHealth	859-393-4301	Kay.Vonderschmidt@telhealth.com
Steve Ludwig	ASST. CHIEF	MIDDLETOWN FD	513-330-3515	steveludwig@firemiddletown.org
Paul Stumpf	Chair	CEOC	513-678-8346	stumpf@ceoc.org
Dan Vonderschmidt	Secretary	BCEMA	513-785-5800	vonderschmidt@butlercountymt.org
Toon Fryman	Village Council member	Village of Sevenside	937-608-4757	toonfryman3@gmail.com
Phil Sackenheim	G.M.	Southwest Regional Water	513-863-0828	sackenheim@swwater.org
Gregory Howard	Protective Security Advisor	U.S. DHS CISA	513-526-1018	gregory.howard@hq.dhs.gov
Jessica Skeriton	RHC	The Health Collabor	513-247-5279	jskeriton@healthcollab.org
Ben Mann	PW Director	City of Fairfield	513-267-4200	bmenn@fairfield-city.org
Nicole Roberts	DAT	Miami U PD	513-524-0651	robertn7@miamioh.edu
Chayse Redpath	Intern	MUPD	513-524-2223	redpathcd@miamioh.edu
Sharon Burkett	Sgt	MUPD	513-589-0438	crotnes@micamich.edu
Beth Rice	FCFCD Director	Family Children First	513-240-6288	beth.rice@bcfcs.org

Hazard Mitigation Plan Update
Butler County Mitigation Strategy Meeting
June 8, 2023, 10:00 AM

Name	Title	Jurisdiction/ Organization	Telephone	E-Mail Address
Mike Joseph	Sr Engr. Engineer	Cleveland Cliffs	937-829-1538	mike.joseph@clevelandcliffs.com
Kelly Clout	Director	Butte SWCD	513-887-3720	cloutk@buttercountyswcd.org
Derrick Ward	Reg. Comp Superintendent	BCWS	513-785-5415	Derrick.Ward@bcws.us
Scott Bressler	DPS DEPUTY	BCED	513-678-6330	bresslers@bced.org
Jenny McCoy	Em. Prep. Director	BCGHD	513-887-5236	mccoyj@butlercountyswcd.org
Uche Adigwe	Placidplan State mgr	Butler County Dea	513-783-3608	Uche.adigwe@bcgfh.us
James Williams	Director of Public Works	City of Hamilton	(513) 785-7236	James.Williams@hamiltonoh.gov
AJ Sauer	Planning & Zoning Director	City of Hamilton	513-785-7373	AJ.Sauer@hamiltonoh.gov
Tom ENKELBERGER	ASSISTANT CHIEF	City of Hamilton Fire	513-785-7503	Thomas.Enkelberger@hamiltonoh.gov
Tim Thomas	Chief	FF Twp	513-785-2240	thomas@fairfield.org
June Miller	Chief	Ross	513-623-8123	smiller@ross.org
DAVE GROB	ASST CHIEF	LISBETH FIRE	513-759-7533	dgrobe@lisbeth-township.org
Kim Whitman	Community Impact Manager	BCWS	513-785-4660	kwhitman@bcws.org
Alicia Adams	District Facilities/Safety	Edgewood CSD	513-484-0881	alicia.adams@edgewoodschools.net
Thomas Lakamp	FAIRFIELD FIRE	City of Fairfield	513-807-4379	Lakamp@fairfieldoh.gov

Page 2

Name	Title	Jurisdiction/ Organization	Telephone	E-Mail Address
Amberlee Finkes	Dir. of Development	Shared Harvest FB	513-874-0114	amberlee@sharedharvest.org
MIKE SWORD	MAYOR	JACKSONBURG	513-464-6582	
MARK JOHNSTON	EMS COORDINATOR	THE CHRIST HOSP. LIBERTY	513-263-1420	mark.johnston@thechristhospital.com
Brian Perkins	Asst. Pw Director	City of Monroe	517-579-7379	bperkins@monroehc.org
Chris Kerschbaum	EMS Coordinator	MERCY HEALTH FAIRFIELD	(513) 276-1135	WKEK.chris@mercy.com
John Dethenager	Fire Chief	City of Oxford	513-523-6324	jdethenager@cityofoxford.org
Matt Haverkas	EMA Director	Butler County EMA	513-785-5810	HaverkasMR@butlercountyohio.org
Eric Bolter	Health Commissioner	BCGHD	513-863-7720	BolterE@butlercountyohio.org
Holli Hansel	Communications Director	Salawauka	513-273-3000	hansel@salawauka.org
MARK GADD	Proj. Coord.	Butler County	513-379-1579	mark.gadd@bcadvoc.us
David Pickering	Asst. Fire Chief	West Chester, OH	513-777-1133	dickering@westchesterohio.org
Aaron Nichols	Lieutenant	Trenton	513-425-0532	
Jim Bolen	Dep Director	TEEMA	513-785-5810	BolenJ@ButlerCountyOhio.org
Holly Grant	Assistant Manager	THE CHRIST HOSP LIBERTY ED	513-618-8505	HOLLY.GRANT@THECHRISTHOSPITAL.COM
Adrienne Menke	ED RN	TCH Liberty	93-430-4205	adrienne.menke@thechristhospital.com

Name	Title	Jurisdiction/ Organization	Telephone	E-Mail Address
Matt Young	Superintendent	Fairfield	513-858-8528	m.young@fairfieldohio.gov
Lauren Dutton	EMIS manager/ BC EMS Council	UC West Chester Hosp	513-479-2308	lauren.dutton@uchealth.com
MARK FRANKLIN	Operations Manager	Butler County Regional Transit	513-785-5031	franklinm@butlercountyrta.com
Phil Clayton	Ohio EMA Sec Region Supervisor		614-296-1659	p.scclayton@epsohio.gov
John Jones	Police Chief	City of Oxford Police Dept	513-524-5247	j.jones@cityofoxford.org
Tim Miller	Railly Twp Trustee	Railly Twp	513-623-4859	TEMILLER972@ymail.com
Allen Messer	Assistant Director Engineering	City of Hamilton	513-378-7051	allen.messer@hamiltonohio.gov
Lance Perry	Director of Business Ops	Fairfield City School District	513-523-1686	perry_la@Fairfieldcityschools.com

Images from Stakeholder Meeting #2 – Mitigation Strategy Meeting



PowerPoint for Public Meeting #2

2023 Butler County Hazard Mitigation Plan Update

Community Meeting

June 8, 2023

Hawk Haven – Miami University Middletown
4200 N. University Boulevard
Middletown, Ohio 45042

Michael Baker
INTERNATIONAL

We Make a Difference

What is Hazard Mitigation

Michael Baker
INTERNATIONAL







Hazard mitigation is any sustained action taken to reduce or eliminate long-term risk to life and property resulting from natural and human-made hazards.



We Make a Difference

Butler County Hazard Mitigation Plan Update

Michael Baker
INTERNATIONAL

	Hazards Included in the 2023 Plan: <ul style="list-style-type: none">• Tornado• Severe Thunderstorm• Flooding• Extreme Temperatures• Severe Winter Storms• Earthquakes• Drought• Dam/Levee Failure• Health-related Emergencies• Hazardous Materials Incidents	
		
		

3

Butler County Hazard Mitigation Plan Survey

Michael Baker
INTERNATIONAL

- Available April 17th – June 9th
- Online link:
<https://metroquestsurvey.com/f5w6m>
(English) or
<https://metroquestsurvey.com/ag97j>
(Spanish)
- Scan the QR code to take the survey!
- English and Spanish paper copies are also available



Mitigation is an Investment

Prevent	human injury and loss of life
Protect	community assets
Reduce	costs of disaster response/recovery
Support	who and what is important to your community

5

Printed Maps

Michael Baker
INTERNATIONAL

- Butler County Base Map
- Butler County Flood Zones
- Previous Tornadoes in Butler County
- COVID Cases by Zip Code in Butler County
- Dams in Butler County

Use the **PINK** marker to indicate an area of concern/vulnerability, the **BLUE** marker to indicate an area that floods frequently, the **YELLOW** marker to indicate a mitigation project suggestion, and the **GREEN** marker to indicate a strength of the county!

Questions?



Jim Bolen

bolenja@butlercountyohio.org | 513-785-5814

Jason Farrell

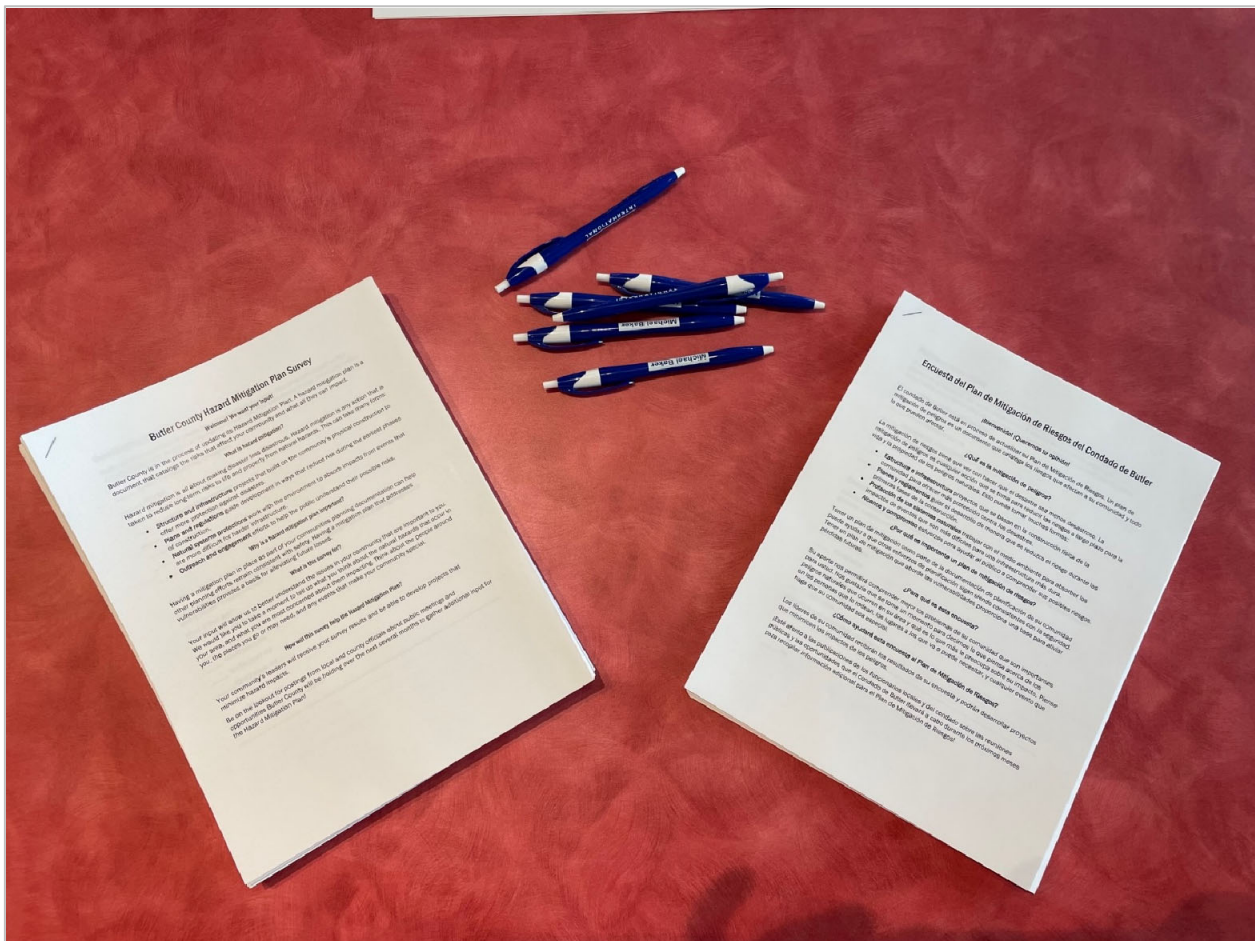
Jason.Farrell@mbakerintl.com | 614-538-7610

Josh Vidmar

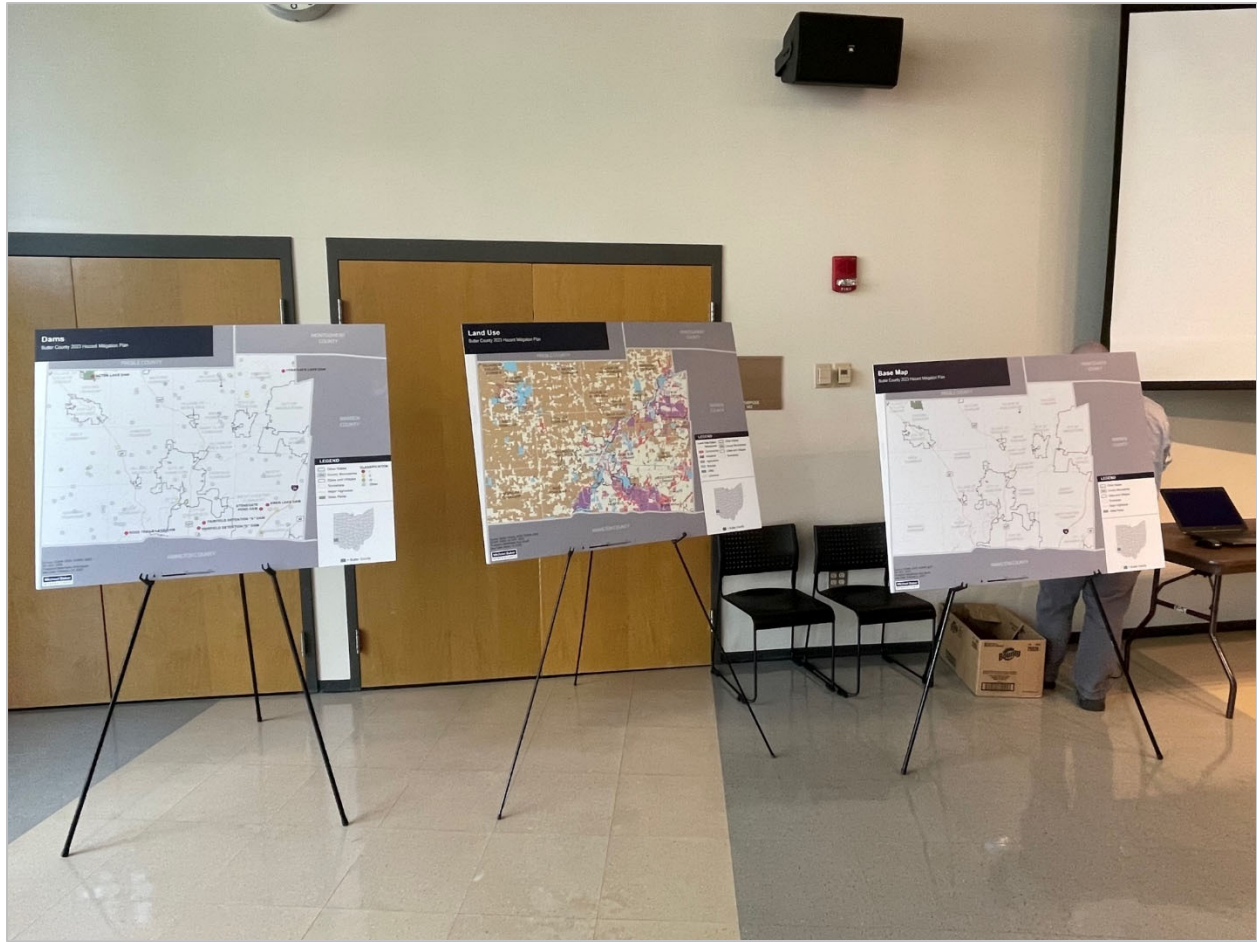
Joshua.Vidmar@mbakerintl.com | 614-538-7607

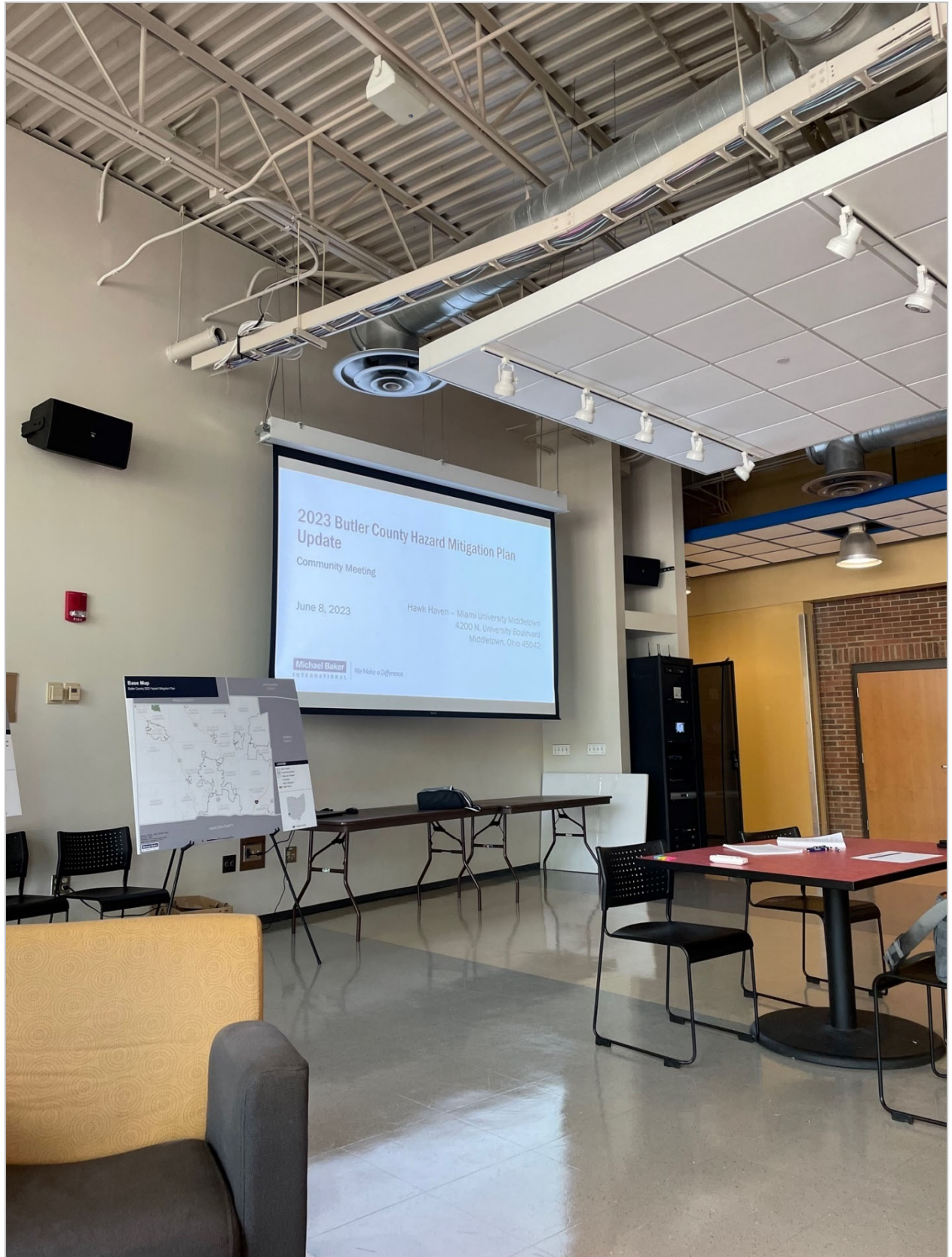
Claire Feters

Claire.Feters@mbakerintl.com | 614-538-7605

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APPENDIX C. COMPLETE HAZARD HISTORY

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TABLE 1 BUTLER COUNTY TORNADO EVENTS, JANUARY 1, 1950-DECEMBER 31, 2022

Location	Date	Time of Occurrence	Magnitude	Deaths	Injuries	Property Damage	Crop Damage
Butler County	6/27/1951	6:00 AM	F1	0	0	\$2,500,000	-
Butler County	2/25/1956	4:45 AM	F2	0	5	\$250,000	-
Butler County	5/10/1969	2:10 PM	F3	0	9	\$2,500,000	-
Butler County	5/19/1973	4:45 PM	F1	0	0	\$25,000	-
Butler County	7/3/1973	6:00 PM	F1	0	0	\$2,500	-
Butler County	7/14/1973	3:00 PM	F0	0	0	\$2,500	-
Butler County	8/12/1973	2:00 PM	F0	0	0	\$2,500	-
Butler County	12/26/1973	3:30 PM	F1	0	0	\$25,000	-
Butler County	4/8/1980	2:20 PM	F2	0	10	\$2,500,000	-
Butler County	3/10/1986	3:20 PM	F2	0	0	\$2,500,000	-
Butler County	5/4/1990	1:30 PM	F1	0	0	\$250,000	-
Butler County	5/4/1990	6:50 PM	F2	1	5	\$250,000	-
Butler County	6/2/1990	9:45 PM	F4	0	2	\$25,000,000	-
Butler County	6/2/1990	9:50 PM	F4	0	0	\$25,000,000	-
Oxford Miami Univ Ar	6/3/2008	8:05 PM	EF0	0	0	\$30,000	-
Hughes	5/25/2011	11:30 PM	EF1	0	0	\$175,000	-
Astoria	6/18/2021	7:41 PM	EF0	0	0	\$10,000	-
Grand Total				1	31	\$ 61,022,500	\$ 0

**TABLE 2 BUTLER COUNTY EXTREME TEMPERATURE EVENTS, JANUARY 1, 1996-DECEMBER 31,
2022**

Location	Date	Event	Deaths	Injuries	Property Damage	Crop Damage
Countywide	8/7/2007	Excessive Heat	0	0	-	-
Countywide	8/23/2007	Excessive Heat	0	0	-	-
Countywide	2/4/2009	Extreme Cold/Wind Chill	1	0	-	-
Countywide	1/30/2019	Extreme Cold/Wind Chill	0	0	-	-
Countywide	7/19/2019	Excessive Heat	0	0	-	-
Countywide	7/20/2019	Excessive Heat	0	0	-	-
Countywide	12/22/2022	Extreme Cold/Wind Chill	0	0	-	-
Grand Total			1	0	\$ 0	\$ 0

TABLE 3 BUTLER COUNTY SEVERE WINTER STORM EVENTS, JANUARY 1, 1996-DECEMBER 31, 2022

Location	Date	Event	Deaths	Injuries	Property Damage	Crop Damage
Butler County	1/2/1996	Winter Storm	0	0	\$25,000	-
Butler County	1/4/1996	Heavy Snow	0	0	\$4,000	-
Butler County	1/6/1996	Winter Storm	0	0	\$500,000	-
Butler County	1/11/1996	Heavy Snow	0	0	\$1,000	-
Butler County	3/6/1996	Ice Storm	0	0	-	-
Butler County	3/19/1996	Winter Storm	0	0	-	-
Butler County	1/24/1997	Ice Storm	0	0	-	-
Butler County	2/3/1998	Winter Storm	0	0	-	-
Butler County	1/1/1999	Winter Storm	0	0	-	-
Butler County	1/7/1999	Winter Storm	0	0	-	-
Butler County	1/13/1999	Winter Storm	0	0	-	-
Butler County	3/9/1999	Heavy Snow	0	0	-	-
Butler County	1/19/2000	Heavy Snow	0	0	-	-
Butler County	12/13/2000	Ice Storm	0	0	-	-
Butler County	12/5/2002	Winter Storm	0	0	-	-
Butler County	12/11/2002	Winter Storm	0	0	-	-
Butler County	1/16/2003	Winter Storm	0	0	-	-
Butler County	1/26/2003	Winter Storm	0	0	-	-
Butler County	2/15/2003	Winter Storm	0	0	-	-
Butler County	2/16/2003	Winter Storm	0	0	-	-
Butler County	1/25/2004	Winter Storm	0	0	-	-
Butler County	3/16/2004	Winter Storm	0	0	-	-
Butler County	12/22/2004	Winter Storm	0	0	-	-
Butler County	1/20/2005	Winter Storm	0	0	-	-
Butler County	12/8/2005	Winter Storm	0	0	-	-
Butler County	3/21/2006	Winter Storm	0	0	-	-
Butler County	2/6/2007	Heavy Snow	0	0	-	-
Butler County	2/13/2007	Heavy Snow	0	0	-	-
Butler County	12/15/2007	Heavy Snow	0	0	-	-
Butler County	2/12/2008	Winter Storm	0	0	-	-
Butler County	3/7/2008	Winter Storm	0	0	-	-
Butler County	1/27/2009	Heavy Snow	0	0	-	-
Butler County	2/3/2009	Heavy Snow	0	0	-	-
Butler County	2/4/2009	Extreme Cold/Wind Chill	1	0	-	-
Butler County	1/7/2010	Heavy Snow	0	0	-	-
Butler County	2/5/2010	Heavy Snow	0	0	-	-
Butler County	2/9/2010	Heavy Snow	0	0	-	-
Butler County	2/15/2010	Heavy Snow	0	0	-	-
Butler County	12/16/2010	Winter Storm	0	0	-	-
Butler County	1/11/2011	Heavy Snow	0	0	-	-
Butler County	1/20/2011	Heavy Snow	0	0	-	-

Location	Date	Event	Deaths	Injuries	Property Damage	Crop Damage
Butler County	2/1/2011	Ice Storm	0	0	-	-
Butler County	1/20/2012	Winter Storm	0	0	-	-
Butler County	12/26/2012	Blizzard	0	0	-	-
Butler County	2/21/2013	Ice Storm	0	0	-	-
Butler County	3/5/2013	Winter Storm	0	0	-	-
Butler County	3/24/2013	Winter Storm	0	0	-	-
Butler County	12/6/2013	Winter Storm	0	0	-	-
Butler County	1/2/2014	Winter Storm	0	0	-	-
Butler County	2/4/2014	Winter Storm	0	0	-	-
Butler County	2/14/2014	Winter Storm	0	0	-	-
Butler County	3/2/2014	Winter Storm	0	0	-	-
Butler County	11/16/2014	Winter Storm	0	0	-	-
Butler County	2/21/2015	Winter Storm	0	0	-	-
Butler County	2/8/2016	Winter Storm	0	0	-	-
Butler County	2/6/2018	Winter Storm	0	0	-	-
Butler County	3/20/2018	Winter Storm	0	0	-	-
Butler County	11/14/2018	Ice Storm	0	0	-	-
Butler County	1/12/2019	Winter Storm	0	0	-	-
Butler County	1/19/2019	Winter Storm	0	0	-	-
Butler County	1/30/2019	Extreme Cold/Wind Chill	0	0	-	-
Butler County	2/8/2021	Winter Storm	0	0	-	-
Butler County	2/15/2021	Winter Storm	0	0	-	-
Butler County	2/2/2022	Winter Storm	0	0	-	-
Butler County	12/22/2022	Winter Storm	0	0	-	-
Butler County	12/22/2022	Extreme Cold/Wind Chill	0	0	-	-
Grand Total			1	0	\$ 530,000	\$ 0

TABLE 4 BUTLER COUNTY SEVERE THUNDERSTORM EVENTS, JANUARY 1, 1955-DECEMBER 31, 2022

Location	Date	Event	Deaths	Injuries	Property Damage	Crop Damage
Countywide	3/6/1959	Thunderstorm Wind	0	0	-	-
Countywide	4/8/1965	Thunderstorm Wind	0	0	-	-
Countywide	4/8/1965	Thunderstorm Wind	0	0	-	-
Countywide	7/13/1966	Thunderstorm Wind	0	0	-	-
Countywide	6/21/1967	Thunderstorm Wind	0	0	-	-
Countywide	4/17/1969	Thunderstorm Wind	0	0	-	-
Countywide	5/10/1969	Hail	0	0	-	-
Countywide	6/22/1969	Thunderstorm Wind	0	0	-	-
Countywide	8/19/1970	Hail	0	0	-	-
Countywide	8/19/1970	Hail	0	0	-	-
Countywide	4/27/1971	Hail	0	0	-	-
Countywide	5/16/1971	Thunderstorm Wind	0	0	-	-
Countywide	8/12/1973	Thunderstorm Wind	0	0	-	-
Countywide	8/12/1973	Thunderstorm Wind	0	0	-	-
Countywide	8/20/1973	Thunderstorm Wind	0	0	-	-
Countywide	8/30/1973	Thunderstorm Wind	0	0	-	-
Countywide	10/4/1973	Thunderstorm Wind	0	0	-	-
Countywide	4/1/1974	Thunderstorm Wind	0	0	-	-
Countywide	4/3/1974	Hail	0	0	-	-
Countywide	4/14/1974	Thunderstorm Wind	0	0	-	-
Countywide	5/17/1974	Thunderstorm Wind	0	0	-	-
Countywide	5/31/1975	Hail	0	0	-	-
Countywide	1/13/1976	Thunderstorm Wind	0	0	-	-
Countywide	8/1/1979	Thunderstorm Wind	0	0	-	-
Countywide	6/2/1980	Hail	0	0	-	-
Countywide	7/5/1980	Thunderstorm Wind	0	0	-	-
Countywide	7/8/1980	Thunderstorm Wind	0	0	-	-
Countywide	7/8/1980	Thunderstorm Wind	0	0	-	-
Countywide	7/9/1980	Thunderstorm Wind	0	0	-	-
Countywide	7/9/1980	Thunderstorm Wind	0	0	-	-
Countywide	7/9/1980	Hail	0	0	-	-
Countywide	4/17/1981	Hail	0	0	-	-
Countywide	3/16/1982	Thunderstorm Wind	0	0	-	-
Countywide	4/3/1982	Thunderstorm Wind	0	0	-	-
Countywide	5/29/1982	Thunderstorm Wind	0	0	-	-
Countywide	6/15/1982	Thunderstorm Wind	0	0	-	-
Countywide	6/15/1982	Thunderstorm Wind	0	0	-	-
Countywide	7/17/1983	Thunderstorm Wind	0	0	-	-
Countywide	7/23/1983	Thunderstorm Wind	0	0	-	-
Countywide	7/23/1983	Thunderstorm Wind	0	0	-	-

Location	Date	Event	Deaths	Injuries	Property Damage	Crop Damage
Countywide	4/5/1985	Thunderstorm Wind	0	0	-	-
Countywide	4/5/1985	Thunderstorm Wind	0	0	-	-
Countywide	3/10/1986	Thunderstorm Wind	0	0	-	-
Countywide	5/7/1986	Hail	0	0	-	-
Countywide	6/16/1986	Thunderstorm Wind	0	0	-	-
Countywide	7/1/1986	Thunderstorm Wind	0	0	-	-
Countywide	5/20/1987	Thunderstorm Wind	0	0	-	-
Countywide	5/25/1987	Thunderstorm Wind	0	0	-	-
Countywide	7/11/1987	Thunderstorm Wind	0	0	-	-
Countywide	7/15/1987	Hail	0	0	-	-
Countywide	7/25/1987	Thunderstorm Wind	0	0	-	-
Countywide	7/26/1987	Thunderstorm Wind	0	0	-	-
Countywide	5/9/1988	Thunderstorm Wind	0	0	-	-
Countywide	6/25/1988	Thunderstorm Wind	0	0	-	-
Countywide	3/14/1989	Thunderstorm Wind	0	0	-	-
Countywide	5/26/1989	Thunderstorm Wind	0	0	-	-
Countywide	11/27/1989	Hail	0	0	-	-
Countywide	6/22/1990	Thunderstorm Wind	0	0	-	-
Countywide	6/30/1990	Hail	0	0	-	-
Countywide	8/20/1990	Thunderstorm Wind	0	0	-	-
Countywide	8/28/1990	Thunderstorm Wind	0	0	-	-
Countywide	8/28/1990	Thunderstorm Wind	0	0	-	-
Countywide	9/9/1990	Thunderstorm Wind	0	0	-	-
Countywide	4/9/1991	Thunderstorm Wind	0	0	-	-
Countywide	5/17/1991	Thunderstorm Wind	0	0	-	-
Countywide	5/17/1991	Thunderstorm Wind	0	0	-	-
Countywide	7/8/1991	Thunderstorm Wind	0	0	-	-
Countywide	8/3/1991	Thunderstorm Wind	0	0	-	-
Countywide	8/8/1991	Thunderstorm Wind	0	0	-	-
Countywide	8/14/1991	Hail	0	0	-	-
Countywide	11/30/1991	Thunderstorm Wind	0	0	-	-
Countywide	5/17/1992	Thunderstorm Wind	0	1	-	-
Countywide	6/18/1992	Hail	0	0	-	-
Countywide	6/18/1992	Hail	0	0	-	-
Countywide	6/18/1992	Thunderstorm Wind	0	0	-	-
Countywide	7/9/1992	Thunderstorm Wind	0	0	-	-
Countywide	7/9/1992	Thunderstorm Wind	0	0	-	-
Countywide	7/14/1992	Thunderstorm Wind	0	0	-	-
Countywide	7/14/1992	Thunderstorm Wind	0	0	-	-
Countywide	8/27/1992	Thunderstorm Wind	0	0	-	-
Countywide	8/27/1992	Thunderstorm Wind	0	0	-	-
Countywide	10/8/1992	Thunderstorm Wind	0	0	-	-

Location	Date	Event	Deaths	Injuries	Property Damage	Crop Damage
Millville	4/15/1993	Hail	0	0	\$5,000	-
Fairfield	8/16/1993	Thunderstorm Wind	0	0	\$50,000	-
Lemon Township	8/28/1993	Thunderstorm Wind	0	0	\$50,000	-
Countywide	4/15/1994	Hail	0	0	-	-
Countywide	4/15/1994	Thunderstorm Wind	0	0	\$500,000	-
Oxford and Morgan	4/27/1994	Thunderstorm Wind	0	0	\$5,000	-
Oxford	4/27/1994	Thunderstorm Wind	0	0	\$5,000	-
Countywide	6/6/1994	Thunderstorm Wind	0	0	\$50,000	-
Oxford	6/12/1994	Thunderstorm Wind	0	0	\$5,000	-
Miami Township	6/20/1994	Thunderstorm Wind	0	0	\$5,000	-
Central Part	6/23/1994	Thunderstorm Wind	0	0	\$5,000	-
Middletown	7/20/1994	Thunderstorm Wind	0	0	\$50,000	-
Oxford	4/8/1995	Hail	0	0	-	-
Fairfield	4/9/1995	Hail	0	0	-	-
Oxford	4/9/1995	Hail	0	0	-	-
Hamilton	5/10/1995	Thunderstorm Wind	0	0	\$4,000	-
Northern Half	5/14/1995	Thunderstorm Wind	0	0	\$4,000	-
Oxford	5/24/1995	Thunderstorm Wind	0	0	\$40,000	-
Eastern Half	5/28/1995	Thunderstorm Wind	0	0	\$3,000	-
Monroe	5/28/1995	Thunderstorm Wind	0	0	\$3,000	-
Cincinnati	5/28/1995	Hail	0	0	\$2,000	-
Middletown	5/28/1995	Thunderstorm Wind	0	0	\$3,000	-
New Miami	6/8/1995	Hail	0	0	-	-
West Half	6/20/1995	Hail	0	0	-	-
Southeast Part	6/20/1995	Hail	0	0	-	-
Southwest Part	6/20/1995	Hail	0	0	-	-
Countywide	6/20/1995	Hail	0	0	\$20,000	\$20,000
Oxford	6/21/1995	Thunderstorm Wind	0	0	\$5,000	-
Oxford	6/21/1995	Hail	0	0	-	-
Collinsville	6/21/1995	Hail	0	0	-	-
Trenton	6/22/1995	Hail	0	0	-	-
Countywide	7/15/1995	Thunderstorm Wind	0	0	\$6,000	-
Sommerville	7/26/1995	Thunderstorm Wind	0	0	\$3,000	-
South Half	7/26/1995	Thunderstorm Wind	0	0	\$4,000	-
Fairfield	4/29/1996	Thunderstorm Wind	0	0	\$2,000	-
Fairfield	5/16/1996	Lightning	0	0	\$50,000	-
Millville	5/24/1996	Hail	0	0	-	-
Monroe	5/24/1996	Hail	0	0	-	-
West Chester	5/24/1996	Hail	0	0	-	-
Middletown	6/3/1996	Hail	0	0	-	-
West Chester	6/14/1996	Hail	0	0	\$3,000	-
Okeana	7/7/1996	Thunderstorm Wind	0	0	\$5,000	-

Location	Date	Event	Deaths	Injuries	Property Damage	Crop Damage
Middletown	7/7/1996	Thunderstorm Wind	0	0	\$5,000	-
Ross	7/7/1996	Thunderstorm Wind	0	0	\$20,000	-
Hamilton	7/24/1996	Thunderstorm Wind	0	2	\$4,000	-
Darttown	11/7/1996	Thunderstorm Wind	0	0	\$3,000	-
Hanover Twp	1/5/1997	Thunderstorm Wind	0	0	\$1,000,000	-
Millville	3/28/1997	Thunderstorm Wind	0	1	\$10,000	-
Rockdale	7/2/1997	Thunderstorm Wind	0	0	\$25,000	-
West Chester	7/23/1997	Thunderstorm Wind	0	0	\$3,000	-
Hamilton	7/27/1997	Thunderstorm Wind	0	0	-	-
Okeana	8/17/1997	Thunderstorm Wind	0	0	\$3,000	-
Trenton	5/13/1998	Hail	0	0	-	-
West Chester	5/19/1998	Lightning	0	0	\$750,000	-
New Miami	6/10/1998	Thunderstorm Wind	0	0	\$3,000	-
Hamilton	6/12/1998	Thunderstorm Wind	0	0	\$3,000	-
Monroe	6/16/1998	Hail	0	0	-	-
Countywide	6/19/1998	Thunderstorm Wind	0	0	\$10,000	-
West Chester	7/19/1998	Lightning	0	0	-	-
Hamilton	7/19/1998	Thunderstorm Wind	0	0	\$10,000	-
Oxford	7/19/1998	Thunderstorm Wind	0	0	\$10,000	-
Hamilton	11/10/1998	Thunderstorm Wind	0	0	-	-
West Chester	4/10/1999	Hail	0	0	-	-
Oxford	5/6/1999	Thunderstorm Wind	0	0	\$10,000	-
Oxford	5/17/1999	Thunderstorm Wind	0	0	\$3,000	-
Oxford	6/10/1999	Thunderstorm Wind	0	0	-	-
Hamilton Arpt	7/9/1999	Thunderstorm Wind	0	0	\$5,000	-
Trenton	7/26/1999	Thunderstorm Wind	0	0	\$3,000	-
Hamilton	4/20/2000	Thunderstorm Wind	0	0	\$5,000	-
Shandon	6/2/2000	Thunderstorm Wind	0	0	\$3,000	-
Bethany	7/10/2000	Lightning	1	0	-	-
Hamilton	7/14/2000	Thunderstorm Wind	0	0	\$30,000	-
Countywide	8/9/2000	Hail	0	0	\$10,000	-
Trenton	9/20/2000	Thunderstorm Wind	0	0	\$50,000	-
West Chester	11/9/2000	Thunderstorm Wind	0	0	\$10,000	-
Trenton	3/13/2001	Thunderstorm Wind	0	0	\$3,000	-
Hamilton	3/13/2001	Hail	0	0	-	-
Oxford	4/9/2001	Hail	0	0	-	-
Oxford	4/9/2001	Hail	0	0	-	-
Middletown	6/12/2001	Thunderstorm Wind	0	0	\$3,000	-
West Chester	6/21/2001	Thunderstorm Wind	0	0	\$5,000	-
Countywide	7/8/2001	Thunderstorm Wind	0	0	\$5,000	-
Hamilton	7/8/2001	Thunderstorm Wind	0	0	\$3,000	-
Countywide	7/17/2001	Thunderstorm Wind	0	0	\$10,000	-

Location	Date	Event	Deaths	Injuries	Property Damage	Crop Damage
Middletown	10/24/2001	Thunderstorm Wind	0	1	\$5,000	-
Fairfield	4/17/2002	Thunderstorm Wind	0	0	\$3,000	-
Oxford	5/25/2002	Thunderstorm Wind	0	0	-	-
Countywide	5/25/2002	Thunderstorm Wind	0	0	\$20,000	-
Hamilton	6/5/2002	Hail	0	0	-	-
Middletown	6/26/2002	Thunderstorm Wind	0	0	\$5,000	-
Countywide	7/29/2002	Thunderstorm Wind	0	0	\$8,000	-
Hamilton	8/4/2002	Thunderstorm Wind	0	0	\$60,000	-
Fairfield	11/10/2002	Thunderstorm Wind	0	0	\$1,000	-
Somerville	4/4/2003	Thunderstorm Wind	0	0	\$3,000	-
Middletown	4/4/2003	Hail	0	0	-	-
Fairfield	4/5/2003	Thunderstorm Wind	0	0	\$5,000	-
Fairfield	5/10/2003	Thunderstorm Wind	0	0	\$5,000	-
Oxford	7/4/2003	Thunderstorm Wind	0	0	-	-
Hamilton	7/4/2003	Thunderstorm Wind	0	0	\$2,000	-
Hamilton	7/5/2003	Thunderstorm Wind	0	0	\$3,000	-
Countywide	7/8/2003	Thunderstorm Wind	0	0	\$15,000	-
Ross	7/9/2003	Thunderstorm Wind	0	0	\$3,000	-
Countywide	7/21/2003	Thunderstorm Wind	0	0	\$10,000	-
Middletown	6/13/2004	Thunderstorm Wind	0	0	\$5,000	-
Collinsville	7/10/2004	Thunderstorm Wind	0	0	\$5,000	-
Hamilton	5/13/2005	Hail	0	0	-	-
Jacksonburg	5/13/2005	Thunderstorm Wind	0	0	\$3,000	-
Hamilton	6/27/2005	Thunderstorm Wind	0	0	\$3,000	-
Oxford	6/30/2005	Thunderstorm Wind	0	0	\$3,000	-
Fairfield	4/2/2006	Thunderstorm Wind	0	0	\$3,000	-
Collinsville	4/2/2006	Thunderstorm Wind	0	0	\$5,000	-
Fairfield	4/7/2006	Hail	0	0	-	-
Hamilton	4/7/2006	Hail	0	0	-	-
West Chester	4/7/2006	Hail	0	0	-	-
Middletown	5/25/2006	Hail	0	0	\$12,000	-
Blue Ball	5/25/2006	Hail	0	0	-	-
Oxford	6/7/2006	Thunderstorm Wind	0	0	\$3,000	-
Middletown	6/19/2006	Thunderstorm Wind	0	0	\$3,000	-
Countywide	6/22/2006	Thunderstorm Wind	0	0	\$8,000	-
Oxford	7/26/2006	Thunderstorm Wind	0	0	\$2,000	-
Middletown	7/28/2006	Lightning	0	1	-	-
Okeana	12/1/2006	Thunderstorm Wind	0	0	\$12,000	-
Countywide	3/2/2007	Strong Wind	0	0	\$2,000	-
Middletown	4/11/2007	Hail	0	0	\$4,000	-
Somerville	5/15/2007	Thunderstorm Wind	0	0	\$20,000	-
Hamilton	5/15/2007	Thunderstorm Wind	0	0	\$4,000	-

Location	Date	Event	Deaths	Injuries	Property Damage	Crop Damage
West Chester	5/15/2007	Thunderstorm Wind	0	0	\$3,000	-
Okeana	5/27/2007	Hail	0	0	\$1,000	-
Oxford Miami Univ Ar	9/8/2007	Thunderstorm Wind	0	0	\$3,000	-
Hamilton	11/5/2007	Hail	0	0	\$1,000	-
Middletown	1/8/2008	Thunderstorm Wind	0	0	\$4,000	-
Oxford	1/29/2008	Thunderstorm Wind	0	0	\$10,000	-
Port Union	5/31/2008	Thunderstorm Wind	0	0	\$10,000	-
Oxford	6/3/2008	Hail	0	0	\$1,000	-
Hamilton	6/4/2008	Hail	0	0	\$8,000	-
West Chester	6/4/2008	Thunderstorm Wind	0	0	\$3,000	-
Middletown	6/9/2008	Hail	0	0	\$1,000	-
Oxford	6/22/2008	Hail	0	0	\$1,000	-
Trenton	6/22/2008	Hail	0	0	\$1,000	-
Maud	6/22/2008	Hail	0	0	\$1,000	-
Oxford	6/25/2008	Thunderstorm Wind	0	0	\$3,000	-
Oxford	6/26/2008	Thunderstorm Wind	0	0	\$2,000	-
Hamilton	6/26/2008	Thunderstorm Wind	0	0	\$2,000	-
Miltonville	7/12/2008	Thunderstorm Wind	0	0	\$3,000	-
Oxford	6/20/2009	Thunderstorm Wind	0	0	\$2,000	-
Hamilton	6/25/2009	Hail	0	0	-	-
Hamilton	6/25/2009	Hail	0	0	-	-
Hamilton	6/25/2009	Hail	0	0	-	-
Hamilton	6/25/2009	Hail	0	0	-	-
Hamilton	6/25/2009	Thunderstorm Wind	0	0	-	-
Fairfield	6/26/2009	Thunderstorm Wind	0	0	\$6,000	-
Trenton	4/5/2010	Hail	0	0	-	-
Trenton	4/5/2010	Hail	0	0	-	-
Middletown	4/5/2010	Hail	0	0	-	-
Okeana	5/27/2010	Thunderstorm Wind	0	0	\$2,000	-
Hamilton	6/2/2010	Hail	0	0	-	-
Monroe	6/2/2010	Thunderstorm Wind	0	0	-	-
West Chester	6/2/2010	Hail	0	0	-	-
Monroe	6/2/2010	Hail	0	0	-	-
West Chester	6/2/2010	Thunderstorm Wind	0	0	\$1,000	-
Jacksonburg	6/2/2010	Thunderstorm Wind	0	0	\$10,000	-
Hamilton	6/12/2010	Thunderstorm Wind	0	0	\$1,000	-
Monroe	6/12/2010	Thunderstorm Wind	0	0	\$5,000	-
Middletown	6/21/2010	Thunderstorm Wind	0	0	\$1,000	-
Fairfield	6/27/2010	Thunderstorm Wind	0	0	\$1,000	-
Middletown	8/4/2010	Thunderstorm Wind	0	0	\$1,000	-
Hamilton	8/4/2010	Hail	0	0	-	-
New Miami	8/4/2010	Thunderstorm Wind	0	0	\$5,000	-

Location	Date	Event	Deaths	Injuries	Property Damage	Crop Damage
Middletown	8/4/2010	Hail	0	0	-	-
Maud	8/4/2010	Hail	0	0	-	-
Hamilton	8/11/2010	Thunderstorm Wind	0	0	\$1,000	-
Ross	8/14/2010	Thunderstorm Wind	0	0	\$1,000	-
Okeana	10/26/2010	Thunderstorm Wind	0	0	\$2,000	-
Trenton	10/26/2010	Thunderstorm Wind	0	0	-	-
Monroe	2/28/2011	Thunderstorm Wind	0	0	\$1,000	-
Maud	3/23/2011	Hail	0	0	-	-
Middletown	3/23/2011	Thunderstorm Wind	0	0	\$1,000	-
Middletown	3/23/2011	Hail	0	0	-	-
Hamilton	3/23/2011	Hail	0	0	-	-
Hamilton	4/20/2011	Hail	0	0	-	-
Hamilton Arpt	4/20/2011	Thunderstorm Wind	0	0	-	-
West Chester	4/20/2011	Thunderstorm Wind	0	0	\$3,000	-
Monroe	4/20/2011	Hail	0	0	-	-
Fairfield	5/22/2011	Hail	0	0	-	-
Hamilton	5/22/2011	Hail	0	0	-	-
Hamilton	5/22/2011	Hail	0	0	-	-
Hamilton Arpt	5/23/2011	Thunderstorm Wind	0	0	-	-
Middletown	5/23/2011	Thunderstorm Wind	0	0	\$1,000	-
Maud	5/23/2011	Thunderstorm Wind	0	0	-	-
Oxford	5/25/2011	Hail	0	0	-	-
Middletown	5/25/2011	Hail	0	0	-	-
Pisgah	5/25/2011	Thunderstorm Wind	0	0	\$10,000	-
Fairfield	5/25/2011	Thunderstorm Wind	0	0	\$70,000	-
Trenton	5/25/2011	Thunderstorm Wind	0	0	\$32,000	-
Tylerville	5/25/2011	Thunderstorm Wind	0	0	\$10,000	-
Tylerville	5/25/2011	Thunderstorm Wind	0	0	\$1,000	-
Middletown	7/11/2011	Thunderstorm Wind	0	0	\$1,000	-
Oxford	7/20/2011	Hail	0	0	-	-
Middletown	7/24/2011	Thunderstorm Wind	0	0	\$10,000	\$1,000
West Chester	9/4/2011	Lightning	1	1	-	-
Fairfield	9/26/2011	Heavy Rain	0	0	-	-
Poast Town	9/26/2011	Heavy Rain	0	0	-	-
Reily	3/15/2012	Hail	0	0	-	-
Oxford	3/15/2012	Hail	0	0	-	-
Seven Mile	3/23/2012	Hail	0	0	-	-
Seven Mile	4/1/2012	Hail	0	0	-	-
Hamilton	4/1/2012	Hail	0	0	-	-
Fairfield	4/1/2012	Hail	0	0	-	-
West Chester	4/1/2012	Hail	0	0	-	-
Middletown	5/4/2012	Hail	0	0	-	-

Location	Date	Event	Deaths	Injuries	Property Damage	Crop Damage
Middletown	5/4/2012	Hail	0	0	-	-
Trenton	6/29/2012	Thunderstorm Wind	0	0	\$30,000	-
Rockdale	6/29/2012	Thunderstorm Wind	0	0	\$10,000	-
Hamilton	6/29/2012	Thunderstorm Wind	0	0	\$5,000	-
Monroe	6/29/2012	Thunderstorm Wind	0	0	\$1,000	-
Middletown	6/29/2012	Thunderstorm Wind	0	0	-	-
Hamilton	6/29/2012	Thunderstorm Wind	0	0	\$2,000	-
Furmandale	6/29/2012	Thunderstorm Wind	0	0	\$2,000	-
Fairfield	7/1/2012	Hail	0	0	-	-
Fairfield	7/1/2012	Hail	0	0	-	-
Middletown Hook Arpt	7/24/2012	Thunderstorm Wind	0	0	\$1,000	-
Hamilton	7/24/2012	Thunderstorm Wind	0	0	\$5,000	-
Bethany	7/24/2012	Thunderstorm Wind	0	0	\$2,000	-
Furmandale	7/24/2012	Thunderstorm Wind	0	0	\$1,000	-
Oxford	8/9/2012	Hail	0	0	-	-
Excello	9/7/2012	Hail	0	0	-	-
Monroe	9/7/2012	Hail	0	0	-	-
West Chester	4/16/2013	Hail	0	0	-	-
Hamilton	4/16/2013	Hail	0	0	-	-
Furmandale	4/16/2013	Hail	0	0	-	-
Oakland	5/31/2013	Thunderstorm Wind	0	0	\$1,000	-
Poast Town	6/18/2013	Heavy Rain	0	0	\$3,000	-
Reily	7/1/2013	Hail	0	0	-	-
Bethany	7/6/2013	Heavy Rain	0	0	-	-
Le Sourdsville	7/9/2013	Thunderstorm Wind	0	0	\$3,000	-
Oakland	7/9/2013	Thunderstorm Wind	0	0	\$1,000	-
Oakland	7/9/2013	Thunderstorm Wind	0	0	-	-
Reily	7/23/2013	Hail	0	0	-	-
Pisgah	7/23/2013	Hail	0	0	-	-
Seven Mile	7/23/2013	Thunderstorm Wind	0	0	\$5,000	-
Millville	7/23/2013	Heavy Rain	0	0	-	-
Mc Gonigle	9/10/2013	Thunderstorm Wind	0	0	\$1,000	-
Oxford	11/17/2013	Thunderstorm Wind	0	0	\$1,000	-
Pisgah	11/17/2013	Thunderstorm Wind	0	0	\$3,000	-
Oxford Miami Univ Ar	7/7/2014	Hail	0	0	-	-
Oxford	7/7/2014	Hail	0	0	-	-
Okeana	10/6/2014	Thunderstorm Wind	0	0	\$7,000	-
Mc Gonigle	10/6/2014	Thunderstorm Wind	0	0	\$500	-
Mc Gonigle	10/6/2014	Thunderstorm Wind	0	0	\$1,500	-
Hamilton	10/6/2014	Hail	0	0	-	-
Middletown Hook Arpt	10/6/2014	Hail	0	0	-	-
Blue Ball	10/6/2014	Hail	0	0	-	-

Location	Date	Event	Deaths	Injuries	Property Damage	Crop Damage
Overpeck	10/6/2014	Thunderstorm Wind	0	0	\$1,000	-
Collinsville	4/8/2015	Thunderstorm Wind	0	0	\$25,000	-
Seven Mile	4/8/2015	Thunderstorm Wind	0	0	\$2,000	-
Middletown Hook Arpt	6/12/2015	Thunderstorm Wind	0	0	\$2,000	-
West Middletown	6/26/2015	Thunderstorm Wind	0	0	\$4,000	-
West Middletown	6/26/2015	Thunderstorm Wind	0	0	\$1,000	-
Middletown Hook Arpt	6/26/2015	Thunderstorm Wind	0	0	\$10,000	-
Monroe	6/26/2015	Thunderstorm Wind	0	0	\$250	-
Middletown Hook Arpt	6/26/2015	Heavy Rain	0	0	-	-
Seven Mile	7/13/2015	Thunderstorm Wind	0	0	\$3,000	-
Middletown	7/14/2015	Thunderstorm Wind	0	0	\$4,000	-
Monroe	7/14/2015	Thunderstorm Wind	0	0	\$1,000	-
Trenton	7/26/2015	Thunderstorm Wind	0	0	\$1,000	-
Oxford	8/3/2015	Hail	0	0	-	-
Port Union	8/3/2015	Hail	0	0	-	-
Fairfield	8/3/2015	Hail	0	0	-	-
Rialto	8/3/2015	Hail	0	0	-	-
Rialto	8/3/2015	Hail	0	0	-	-
Furmandale	8/3/2015	Hail	0	0	-	-
Rialto	8/3/2015	Hail	0	0	-	-
West Chester	8/3/2015	Hail	0	0	-	-
Gano	8/3/2015	Hail	0	0	-	-
West Chester	8/3/2015	Hail	0	0	-	-
Gano	8/3/2015	Hail	0	0	-	-
Furmandale	8/3/2015	Hail	0	0	-	-
Kyles	8/3/2015	Hail	0	0	-	-
Oxford Miami Univ Ar	12/23/2015	Thunderstorm Wind	0	0	-	-
Oxford Miami Univ Ar	12/23/2015	Thunderstorm Wind	0	0	-	-
Countywide	2/19/2016	Strong Wind	0	0	\$500	-
Princeton	5/1/2016	Hail	0	0	-	-
Homewood	6/15/2016	Thunderstorm Wind	0	0	\$2,000	-
Somerville	6/23/2016	Thunderstorm Wind	0	0	\$4,000	-
Poast Town	6/23/2016	Thunderstorm Wind	0	0	\$1,000	-
Oxford	6/23/2016	Thunderstorm Wind	0	0	\$2,000	-
Woodsdale	8/15/2016	Thunderstorm Wind	0	0	\$1,000	-
Millville	8/26/2016	Thunderstorm Wind	0	0	\$2,000	-
Darttown	8/27/2016	Thunderstorm Wind	0	0	\$3,000	-
Collinsville	8/27/2016	Thunderstorm Wind	0	0	\$8,000	-
Seven Mile	8/27/2016	Thunderstorm Wind	0	0	\$2,000	-
Trenton	8/27/2016	Thunderstorm Wind	0	0	\$500	-
Lemon	8/27/2016	Thunderstorm Wind	0	0	\$500	-
Mc Gonigle	9/8/2016	Thunderstorm Wind	0	0	\$1,000	-

Location	Date	Event	Deaths	Injuries	Property Damage	Crop Damage
Newkirk	2/24/2017	Hail	0	0	-	-
Okeana	2/24/2017	Hail	0	0	-	-
Darrtown	2/24/2017	Hail	0	0	-	-
Hamilton	3/1/2017	Hail	0	0	-	-
Stockton	3/1/2017	Hail	0	0	-	-
Oxford	4/5/2017	Thunderstorm Wind	0	0	\$5,000	-
Hamilton	5/19/2017	Thunderstorm Wind	0	0	\$1,000	-
Middletown	5/19/2017	Thunderstorm Wind	0	0	\$3,000	-
Seven Mile	6/5/2017	Thunderstorm Wind	0	0	\$250	-
Oxford	6/13/2017	Hail	0	0	-	-
Oxford Miami Univ Ar	6/13/2017	Thunderstorm Wind	0	0	\$500	-
Rockdale	6/13/2017	Thunderstorm Wind	0	0	\$500	-
Oxford	7/7/2017	Thunderstorm Wind	0	0	\$5,000	-
Hamilton	7/7/2017	Hail	0	0	-	-
Port Union	7/7/2017	Hail	0	0	-	-
West Chester	7/7/2017	Hail	0	0	-	-
West Chester	7/7/2017	Thunderstorm Wind	0	0	\$3,000	-
Oxford	7/11/2017	Thunderstorm Wind	0	0	\$8,000	-
Oxford Miami Univ Ar	4/3/2018	Hail	0	0	-	-
Oxford	5/10/2018	Hail	0	0	-	-
Woods Station	5/13/2018	Thunderstorm Wind	0	0	\$500	-
Mc Gonigle	5/13/2018	Hail	0	0	-	-
Furmandale	6/8/2018	Hail	0	0	-	-
Astoria	7/3/2018	Thunderstorm Wind	0	0	\$1,000	-
Maud	8/11/2018	Hail	0	0	-	-
Maud	8/11/2018	Hail	0	0	-	-
Monroe	9/5/2018	Thunderstorm Wind	0	0	\$2,000	-
Furmandale	9/5/2018	Hail	0	0	-	-
Stockton	9/5/2018	Thunderstorm Wind	0	0	\$1,000	-
Millville	9/5/2018	Thunderstorm Wind	0	0	\$1,000	-
Okeana	9/5/2018	Lightning	0	0	\$5,000	-
Countywide	2/24/2019	Strong Wind	0	0	\$1,000	-
Hamilton	4/25/2019	Thunderstorm Wind	0	0	\$1,000	-
Monroe	5/27/2019	Thunderstorm Wind	0	0	\$1,000	-
Hamilton Arpt	7/18/2019	Thunderstorm Wind	0	0	-	-
Hamilton	7/18/2019	Thunderstorm Wind	0	0	\$3,000	-
Oxford Miami Univ Ar	7/21/2019	Thunderstorm Wind	0	0	\$4,000	-
Kyles	4/8/2020	Hail	0	0	-	-
Bethany	4/8/2020	Hail	0	0	-	-
Monroe	4/8/2020	Hail	0	0	-	-
Jacksonburg	4/8/2020	Hail	0	0	-	-
Furmandale	4/8/2020	Thunderstorm Wind	0	0	\$2,000	-

Location	Date	Event	Deaths	Injuries	Property Damage	Crop Damage
Hamilton	4/8/2020	Hail	0	0	-	-
Hamilton	4/8/2020	Hail	0	0	-	-
Maud	4/8/2020	Hail	0	0	-	-
Oxford Miami Univ Ar	5/10/2020	Thunderstorm Wind	0	0	\$1,000	-
Trenton	6/3/2020	Thunderstorm Wind	0	0	\$1,000	-
Trenton	6/3/2020	Thunderstorm Wind	0	0	\$1,000	-
Oxford Miami Univ Ar	6/3/2020	Thunderstorm Wind	0	0	-	-
Oxford	6/3/2020	Thunderstorm Wind	0	0	\$3,000	-
Monroe	6/3/2020	Thunderstorm Wind	0	0	\$3,000	-
Kyles	6/3/2020	Thunderstorm Wind	0	0	\$6,000	-
Furmandale	6/10/2020	Thunderstorm Wind	0	0	\$1,000	-
Mayfield	7/8/2020	Hail	0	0	-	-
Woodsdale	7/9/2020	Thunderstorm Wind	0	0	\$25,000	-
Woodsdale	7/10/2020	Thunderstorm Wind	0	0	\$1,000	-
Trenton	7/19/2020	Thunderstorm Wind	0	0	\$250	-
Woodsdale	7/19/2020	Thunderstorm Wind	0	0	\$5,000	-
Maud	8/25/2020	Thunderstorm Wind	0	0	-	-
Maud	8/25/2020	Hail	0	0	-	-
Countywide	11/15/2020	Strong Wind	0	0	\$5,000	-
Astoria	6/18/2021	Thunderstorm Wind	0	0	\$10,000	-
West Chester	6/18/2021	Hail	0	0	-	-
Hamilton	5/3/2022	Thunderstorm Wind	0	0	\$10,000	-
Fairfield	5/26/2022	Thunderstorm Wind	0	0	\$1,000	-
North Hamilton Arpt	6/13/2022	Hail	0	0	-	-
Trenton	6/13/2022	Thunderstorm Wind	0	0	\$250	-
Woodsdale	6/13/2022	Thunderstorm Wind	0	0	-	-
Maud	6/13/2022	Thunderstorm Wind	0	0	\$1,000	-
Stockton	6/13/2022	Thunderstorm Wind	0	0	\$1,000	-
Monroe	6/13/2022	Thunderstorm Wind	0	0	\$10,000	-
West Middletown	6/13/2022	Thunderstorm Wind	0	0	\$10,000	-
Middletown	6/13/2022	Thunderstorm Wind	0	0	\$1,000	-
Furmandale	6/13/2022	Thunderstorm Wind	0	0	\$2,000	-
Furmandale	6/13/2022	Thunderstorm Wind	0	0	\$5,000	-
Millville	6/22/2022	Thunderstorm Wind	0	0	\$50,000	-
Pisgah	6/22/2022	Thunderstorm Wind	0	0	\$40,000	-
Hamilton	9/21/2022	Thunderstorm Wind	0	0	\$2,000	-
Grand Total			2	7	\$ 3,798,000	\$ 21,000

TABLE 5 BUTLER COUNTY FLOODING EVENTS, JANUARY 1, 1996-DECEMBER 31, 2022

Location	Date	Event	Deaths	Injuries	Property Damage	Crop Damage
Butler County	1/17/1996	Flood	0	0	\$5,000	-
Butler County	4/29/1996	Flood	0	0	\$10,000	-
Countywide	4/29/1996	Flash Flood	1	0	\$3,000	-
Countywide	12/1/1996	Flash Flood	0	0	-	-
Countywide	6/1/1997	Flash Flood	0	0	\$450,000	-
Countywide	8/17/1997	Flash Flood	0	0	\$100,000	-
Countywide	4/16/1998	Flash Flood	0	0	-	-
Countywide	6/11/1998	Flash Flood	0	0	\$5,000	-
Countywide	6/16/1998	Flash Flood	0	0	-	-
Oxford	7/20/1998	Flash Flood	0	0	-	-
Countywide	1/3/2000	Flash Flood	0	0	\$10,000	-
Countywide	2/13/2000	Flash Flood	0	0	\$5,000	-
Countywide	7/17/2001	Flash Flood	0	0	\$1,470,000	-
Monroe	7/21/2001	Flash Flood	0	0	-	-
Trenton	7/21/2001	Flash Flood	0	0	-	-
Middletown	8/11/2001	Flash Flood	0	0	-	-
Butler County	12/17/2001	Flood	0	0	-	-
Butler County	5/7/2002	Flood	0	0	\$25,000	-
Hamilton	5/8/2002	Flash Flood	0	0	-	-
Butler County	5/13/2002	Flood	0	0	-	-
Butler County	6/26/2002	Flood	0	0	-	-
Butler County	9/27/2002	Flood	0	0	-	-
Butler County	11/10/2002	Flood	0	0	-	-
Butler County	5/10/2003	Flood	0	0	-	-
Millville	6/14/2003	Flash Flood	0	0	\$10,000	-
Butler County	6/14/2003	Flood	0	0	-	-
Somerville	6/15/2003	Flash Flood	0	0	-	-
New Miami	6/15/2003	Flash Flood	0	0	\$1,000,000	-
Butler County	6/15/2003	Flood	0	0	-	-
Butler County	6/16/2003	Flood	0	0	-	-
Butler County	7/7/2003	Flood	0	0	-	-
Butler County	7/9/2003	Flood	0	0	\$10,000	-
Butler County	8/9/2003	Flood	0	0	-	-
Butler County	9/2/2003	Flood	0	0	\$10,000	-
Butler County	1/4/2004	Flood	0	0	-	-
Butler County	1/4/2004	Flood	0	0	-	-
Butler County	1/4/2004	Flood	0	0	-	-
Butler County	1/5/2005	Flood	0	0	\$10,000	-
New Miami	1/5/2005	Flash Flood	0	0	\$20,000	-
Butler County	1/5/2005	Flood	0	0	\$10,000	-
Butler County	1/11/2005	Flood	0	0	\$10,000	-

Location	Date	Event	Deaths	Injuries	Property Damage	Crop Damage
Butler County	3/28/2005	Flood	0	0	-	-
Butler County	6/30/2005	Flood	0	0	-	-
Middletown	3/12/2006	Flash Flood	0	0	-	-
Hamilton	4/7/2006	Flash Flood	0	0	-	-
Hamilton	3/2/2007	Flood	0	0	\$5,000	-
St Charles	3/4/2008	Flood	0	0	\$3,000	-
Layhigh	3/18/2008	Flood	0	0	\$3,000	-
Millville	3/18/2008	Flash Flood	0	0	\$15,000	-
Woodsdale	6/4/2008	Flash Flood	0	0	\$5,000	-
Hughes	8/24/2008	Flash Flood	0	0	\$1,000	-
Homewood	6/25/2009	Flash Flood	0	0	\$3,000	-
Hamilton	6/26/2009	Flash Flood	0	0	\$95,000	-
Ross	6/12/2010	Flash Flood	0	0	\$3,000	-
Reily	12/5/2011	Flood	0	0	\$1,000	-
New Miami	12/5/2011	Flood	0	0	\$1,000	-
Seven Mile	1/26/2012	Flood	0	0	\$1,000	-
Okeana	5/1/2012	Flash Flood	0	0	\$3,000	-
Rockdale	7/6/2013	Flash Flood	0	0	\$3,000	-
Rockdale	7/6/2013	Flash Flood	0	0	\$1,000	-
Homewood	7/23/2013	Flood	0	0	-	-
Hamilton	7/23/2013	Flash Flood	0	0	\$1,000	-
Poast Town	12/22/2013	Flood	0	0	-	-
Furmandale	5/29/2014	Flood	0	0	-	-
Oxford Miami Univ Ar	7/3/2015	Flood	0	0	-	-
Hamilton	6/2/2016	Flash Flood	0	0	\$30,000	-
Hamilton	6/2/2016	Flash Flood	0	0	\$25,000	-
Hamilton	6/2/2016	Flash Flood	0	0	\$5,000	-
Hamilton	6/2/2016	Flash Flood	0	0	\$5,000	-
Hamilton	6/2/2016	Flash Flood	0	0	\$5,000	-
Seven Mile	9/8/2016	Flash Flood	0	0	-	-
Reily	9/8/2016	Flash Flood	0	0	-	-
Okeana	9/9/2016	Flood	0	0	-	-
Hamilton	9/10/2016	Flash Flood	0	0	-	-
Princeton	3/1/2017	Flash Flood	0	0	-	-
Okeana	4/29/2017	Flash Flood	0	0	\$7,500	-
Hamilton	4/29/2017	Flash Flood	0	0	-	-
Port Union	4/29/2017	Flash Flood	0	0	-	-
Symmes Corner	5/24/2017	Flash Flood	0	0	-	-
North Hamilton Arpt	5/24/2017	Flash Flood	0	0	\$10,000	-
Kyles	7/13/2017	Flood	0	0	-	-
Monroe	7/13/2017	Flash Flood	0	0	\$1,000	-
Woodsdale	7/13/2017	Flash Flood	0	0	-	-

Location	Date	Event	Deaths	Injuries	Property Damage	Crop Damage
Millville	4/3/2018	Flash Flood	0	0	-	-
Princeton	4/3/2018	Flash Flood	0	0	-	-
West Chester	8/11/2018	Flood	0	0	-	-
Mc Gonigle	5/3/2019	Flood	0	0	-	-
Hamilton	7/18/2019	Flash Flood	0	0	\$5,000	-
Middletown Hook Arpt	5/18/2020	Flood	0	0	-	-
Homewood	5/19/2020	Flash Flood	0	0	\$5,000	-
Rialto	5/19/2020	Flash Flood	0	0	\$100,000	-
Trenton	6/3/2020	Flood	0	0	-	-
Kyles	5/6/2022	Flood	0	0	-	-
Port Union	5/20/2022	Flash Flood	0	0	\$10,000	-
Hamilton	5/20/2022	Flash Flood	0	0	\$50,000	-
Mc Gonigle	9/4/2022	Flood	0	0	-	-
Auburn	9/5/2022	Flood	0	0	-	-
Newkirk	9/5/2022	Flood	0	0	-	-
Grand Total			1	0	\$ 3,565,500	\$ 0

TABLE 6 BUTLER COUNTY DROUGHT EVENTS, JANUARY 1, 1996-DECEMBER 31, 2022

Location	Date	Event	Deaths	Injuries	Property Damage	Crop Damage
Butler County	7/1/1999	Drought	0	0	-	-
Butler County	8/1/1999	Drought	0	0	-	-
Grand Total			0	0	\$ 0	\$ 0

Reported Hazardous Material Product	Hazardous Material Product Type	Month	Day	Year
Air Odor Chemical	Other	November	15	2017
Fuel Gasoline (25% Ethanol Not E85)	Fuels (Flammable Fp100f)	November	15	2017
Herbicide(S) Nos (Not Specified)	Chemicals - Pesticides	November	14	2017
Oil Motor / Lube Oil / Vehicle	Oils And Grease	December	4	2017
Oil Motor / Lube Oil / Vehicle	Oils And Grease	December	2	2017
Boil Alert / Boil Advisory / Drinking Water Issue(S)		December	24	2017
Corrosive Liquid (Nos)		November	27	2017
Other / All Other / Trade Name / Mixture / Solution Etc	Other	November	27	2017
Fuel Diesel / Diesel Fuel (Vehicle On Or Off Road)	Fuels (Combustible Fp100f)	November	6	2017
Material Undetermined / Other	Unknown/Undetermined	December	14	2017
Fat(S) / Oil / Grease / Tallow Food Types (Fog)	Food Products / Wastes	August	11	2017
Fish Kill	Other	August	11	2017
Sewage Human	Sewage	August	11	2017
SODIUM CHLORATE (Naclo3)		August	11	2017
Oil Cutting /Cutting Oil / Coolant / Lubricant	Oils And Grease	June	27	2017
Leachate	Leachate	July	12	2017
Manure Horse	Manure	July	12	2017
Nothing Found / No Spill Noted / Issue Not Founded	No Spill/No Release/No Evidence	July	12	2017
Waste Chemical(S) Nos		July	12	2017
Oil Hydraulic Fluid(S)	Oils And Grease	August	8	2017
Chlorine (Cl) (Gas)	HAZMAT Other (Non-Fuel)	August	15	2017
SODIUM HYPOCHLORITE (Naclo)	Corrosives	August	15	2017
Sewage Human	Sewage	September	12	2017
Sewage Human	Sewage	September	22	2017
Boil Alert / Boil Advisory / Drinking Water Issue(S)		September	8	2017
Waste Water	Other	October	10	2017
Mercury / Quicksilver (Hg)	Mercury	September	20	2017
Acid Nos (Not Specified)	Corrosives	August	18	2017
Antifreeze Vehicle Cooling	Glycol	October	6	2017
Oil Hydraulic Fluid(S)	Oils And Grease	October	6	2017

Reported Hazardous Material Product	Hazardous Material Product Type	Month	Day	Year
Oil Motor / Lube Oil / Vehicle	Oils And Grease	October	6	2017
Sewage Human	Sewage	October	6	2017
Material Undetermined / Other	Unknown/Undetermined	November	3	2017
Air Fire Open Burning	Other	October	2	2017
Boil Alert / Boil Advisory / Drinking Water Issue(S)		June	2	2017
Mercury / Quicksilver (Hg)	Mercury	May	31	2017
Nitrous Oxide / Laughing Gas / Nitrous / Nitro / Nos (N2o)		May	26	2017
Oil Hydraulic Fluid(S)	Oils And Grease	June	16	2017
Fuel Oil/ Home Heating / Heating Oil	Fuels (Combustible Fp100f)	June	15	2017
Soap Nos (Not Specified)	Detergents	November	2	2018
Oil Motor / Lube Oil / Vehicle	Oils And Grease	November	19	2018
Material White	Unknown/Undetermined	September	16	2018
Water (H2O)		September	16	2018
Fuel Gasoline (25% Ethanol Not E85)	Fuels (Flammable Fp100f)	November	10	2018
Nothing Found / No Spill Noted / Issue Not Founded	No Spill/No Release/No Evidence	October	26	2018
Anhydrous Ammonia (Nh3)	Corrosives	October	3	2018
Nothing Found / No Spill Noted / Issue Not Founded	No Spill/No Release/No Evidence	October	3	2018
Fuel Diesel / Diesel Fuel (Vehicle On Or Off Road)	Fuels (Combustible Fp100f)	October	3	2018
Fuel Gasoline (25% Ethanol Not E85)	Fuels (Flammable Fp100f)	November	30	2018
Leachate	Leachate	November	8	2018
Asbestos	Other	September	29	2018
Waste Water	Other	December	14	2018
Fuel Gasoline (25% Ethanol Not E85)	Fuels (Flammable Fp100f)	December	5	2018
Fuel Diesel / Diesel Fuel (Vehicle On Or Off Road)	Fuels (Combustible Fp100f)	December	21	2018
Antifreeze Vehicle Cooling	Glycol	December	20	2018
Fuel Diesel / Diesel Fuel (Vehicle On Or Off Road)	Fuels (Combustible Fp100f)	December	20	2018
Oil Motor / Lube Oil / Vehicle	Oils And Grease	December	20	2018
Fuel Diesel / Diesel Fuel (Vehicle On Or Off Road)	Fuels (Combustible Fp100f)	December	20	2018
Pcs / Petroleum Contaminated Soil(S)		June	19	2018
Herbicide(S) Nos (Not Specified)	Chemicals - Pesticides	May	13	2018

Reported Hazardous Material Product	Hazardous Material Product Type	Month	Day	Year
Fuel Diesel / Diesel Fuel (Vehicle On Or Off Road)	Fuels (Combustible Fp100f)	May	10	2018
Mercury / Quicksilver (Hg)	Mercury	May	7	2018
Fuel Diesel / Diesel Fuel (Vehicle On Or Off Road)	Fuels (Combustible Fp100f)	April	24	2018
Material Undetermined / Other	Unknown/Undetermined	April	23	2018
Antifreeze Vehicle Cooling	Glycol	May	21	2018
Nothing Found / No Spill Noted / Issue Not Founded	No Spill/No Release/No Evidence	May	21	2018
Oil Motor / Lube Oil / Vehicle	Oils And Grease	May	21	2018
Mercury / Quicksilver (Hg)	Mercury	May	16	2018
Oil Hydraulic Fluid(S)	Oils And Grease	July	26	2018
Anhydrous Ammonia (Nh3)	Corrosives	July	19	2018
Material Unknown	Unknown/Undetermined	July	19	2018
Oil Hydraulic Fluid(S)	Oils And Grease	June	28	2018
Fuel Diesel / Diesel Fuel (Vehicle On Or Off Road)	Fuels (Combustible Fp100f)	June	27	2018
Fuel Gasoline (25% Ethanol Not E85)	Fuels (Flammable Fp100f)	July	17	2018
Ammonia (Nh3)	Corrosives	August	14	2018
Boil Alert / Boil Advisory / Drinking Water Issue(S)		January	1	2018
Boil Alert / Boil Advisory / Drinking Water Issue(S)		January	13	2018
Oil Hydraulic Fluid(S)	Oils And Grease	January	12	2018
Fuel Gasoline (25% Ethanol Not E85)	Fuels (Flammable Fp100f)	January	12	2018
Boil Alert / Boil Advisory / Drinking Water Issue(S)		January	7	2018
Boil Alert / Boil Advisory / Drinking Water Issue(S)		January	6	2018
Boil Alert / Boil Advisory / Drinking Water Issue(S)		January	6	2018
Boil Alert / Boil Advisory / Drinking Water Issue(S)		January	5	2018
Oil Hydraulic Fluid(S)	Oils And Grease	February	15	2018
Oil Transformer Non Pcb	Transformer Oil (Non-Pcb)	February	28	2018
Ink / Printing Ink	Chemicals - Industrial	March	30	2018
Material Undetermined / Other	Unknown/Undetermined	February	26	2018
Sewage Human	Sewage	February	26	2018
Cyanide (Cn)		February	5	2018
Fuel Diesel / Diesel Fuel (Vehicle On Or Off Road)	Fuels (Combustible Fp100f)	February	24	2018

Reported Hazardous Material Product	Hazardous Material Product Type	Month	Day	Year
Fuel Oil/ Home Heating / Heating Oil	Fuels (Combustible Fp100f)	February	24	2018
Oil Hydraulic Fluid(S)	Oils And Grease	March	23	2018
Fuel Diesel / Diesel Fuel (Vehicle On Or Off Road)	Fuels (Combustible Fp100f)	April	3	2018
Fuel Oil/ Home Heating / Heating Oil	Fuels (Combustible Fp100f)	April	3	2018
Lime (Caco3)	Chemicals - Industrial	April	11	2018
Air Fire Facility	Other	October	2	2019
Unable To Determine / Issue Found But Utd	Unknown/Undetermined	October	2	2019
Other / All Other / Trade Name / Mixture / Solution Etc	Other	October	1	2019
Fertilizer(S) Nos (Not Specified)	Chemicals - Fertilizers	September	9	2019
Fuel Diesel / Diesel Fuel (Vehicle On Or Off Road)	Fuels (Combustible Fp100f)	September	9	2019
Material Unknown	Unknown/Undetermined	October	24	2019
Material White	Unknown/Undetermined	October	24	2019
Concrete	Solid Wastes	September	27	2019
Material White	Unknown/Undetermined	September	27	2019
Contaminated Water		September	6	2019
Other / All Other / Trade Name / Mixture / Solution Etc	Other	September	6	2019
Fuel Gasoline (25% Ethanol Not E85)	Fuels (Flammable Fp100f)	November	13	2019
Oil Transformer Non Pcb	Transformer Oil (Non-Pcb)	September	25	2019
Oil Transformer Non Pcb	Transformer Oil (Non-Pcb)	September	4	2019
SODIUM HYPOCHLORITE (Naclo)	Corrosives	October	18	2019
Air Fire Tires	Other	November	12	2019
Fuel Diesel / Diesel Fuel (Vehicle On Or Off Road)	Fuels (Combustible Fp100f)	November	12	2019
Oil Hydraulic Fluid(S)	Oils And Grease	November	12	2019
Fuel Diesel / Diesel Fuel (Vehicle On Or Off Road)	Fuels (Combustible Fp100f)	October	17	2019
Fuel Diesel / Diesel Fuel (Vehicle On Or Off Road)	Fuels (Combustible Fp100f)	November	10	2019
Ammonia (Nh3)	Corrosives	August	30	2019
Fertilizer(S) Nos (Not Specified)	Chemicals - Fertilizers	August	30	2019
Unable To Determine / Issue Found But Utd	Unknown/Undetermined	August	30	2019
Foam	Other	September	17	2019
Asbestos	Other	November	2	2019

Reported Hazardous Material Product	Hazardous Material Product Type	Month	Day	Year
Air Fire Facility	Other	November	25	2019
TITANIUM DIOXIDE (Tio2)	Chemicals - Industrial	November	25	2019
Material Undetermined / Other	Unknown/Undetermined	November	24	2019
Oil Motor / Lube Oil / Vehicle	Oils And Grease	November	24	2019
Methane (Ch4)		December	13	2019
Fuel Gasoline (25% Ethanol Not E85)	Fuels (Flammable Fp100f)	December	6	2019
Octane (C8h18)		December	6	2019
Fuel Diesel / Diesel Fuel (Vehicle On Or Off Road)	Fuels (Combustible Fp100f)	December	29	2019
Acrylonitrile (Ch2chcn)		December	21	2019
Fuel Gasoline (25% Ethanol Not E85)	Fuels (Flammable Fp100f)	December	21	2019
Hydrogen Cyanide (Hcn)		December	21	2019
Other / All Other / Trade Name / Mixture / Solution Etc	Other	December	21	2019
Fuel Diesel / Diesel Fuel (Vehicle On Or Off Road)	Fuels (Combustible Fp100f)	May	28	2019
Material Black	Unknown/Undetermined	May	26	2019
Oil Petroleum Not Otherwise Specified (Nos)	Oils And Grease	May	26	2019
Material Blue	Unknown/Undetermined	April	15	2019
Sheen Rainbow / Hydrocarbon	Sheen (Hydrocarbon)	May	24	2019
Fuel Diesel / Diesel Fuel (Vehicle On Or Off Road)	Fuels (Combustible Fp100f)	May	1	2019
Oil Motor / Lube Oil / Vehicle	Oils And Grease	March	15	2019
Fuel Diesel / Diesel Fuel (Vehicle On Or Off Road)	Fuels (Combustible Fp100f)	March	13	2019
Fuel Oil/ Home Heating / Heating Oil	Fuels (Combustible Fp100f)	April	26	2019
Detergent Nos (Not Specified)		May	31	2019
Fertilizer(S) Nos (Not Specified)	Chemicals - Fertilizers	May	31	2019
Herbicide(S) Nos (Not Specified)	Chemicals - Pesticides	May	31	2019
Fuel Diesel / Diesel Fuel (Vehicle On Or Off Road)	Fuels (Combustible Fp100f)	May	10	2019
Propane (C3h8)	Compressed Gases	July	12	2019
Material Unknown	Unknown/Undetermined	June	4	2019
Fuel Diesel / Diesel Fuel (Vehicle On Or Off Road)	Fuels (Combustible Fp100f)	July	9	2019
Oil Petroleum Not Otherwise Specified (Nos)	Oils And Grease	July	9	2019
Fuel Diesel / Diesel Fuel (Vehicle On Or Off Road)	Fuels (Combustible Fp100f)	June	6	2019

Reported Hazardous Material Product	Hazardous Material Product Type	Month	Day	Year
Oil Motor / Lube Oil / Vehicle	Oils And Grease	June	6	2019
Material White	Unknown/Undetermined	June	5	2019
Sewage Human	Sewage	June	5	2019
Oil Motor / Lube Oil / Vehicle	Oils And Grease	August	13	2019
Contaminated Water		August	23	2019
Material Unknown	Unknown/Undetermined	August	23	2019
Oil Transformer Non Pcb	Transformer Oil (Non-Pcb)	July	19	2019
Sewage Human	Sewage	June	18	2019
Fat(S) / Oil / Grease / Tallow Food Types (Fog)	Food Products / Wastes	August	20	2019
Oil Hydraulic Fluid(S)	Oils And Grease	January	28	2019
Fuel Diesel / Diesel Fuel (Vehicle On Or Off Road)	Fuels (Combustible Fp100f)	January	26	2019
Oil Hydraulic Fluid(S)	Oils And Grease	January	11	2019
Fuel Diesel / Diesel Fuel (Vehicle On Or Off Road)	Fuels (Combustible Fp100f)	March	2	2019
Other / All Other / Trade Name / Mixture / Solution Etc	Other	February	20	2019
Oil Motor / Lube Oil / Vehicle	Oils And Grease	October	18	2020
Methane (Ch4)	Compressed Gases	December	15	2020
Oil Motor / Lube Oil / Vehicle	Oils And Grease	November	12	2020
Fuel Diesel / Diesel Fuel (Vehicle On Or Off Road)	Fuels (Combustible Fp100f)	December	11	2020
Material Green	Unknown/Undetermined	October	7	2020
Battery Acid (Dilute Sulfuric)	Corrosives	September	17	2020
Fuel Diesel / Diesel Fuel (Vehicle On Or Off Road)	Fuels (Combustible Fp100f)	October	30	2020
Fuel Diesel / Diesel Fuel (Vehicle On Or Off Road)	Fuels (Combustible Fp100f)	October	28	2020
Oil Hydraulic Fluid(S)	Oils And Grease	October	28	2020
Oil Motor / Lube Oil / Vehicle	Oils And Grease	October	28	2020
Fuel Diesel / Diesel Fuel (Vehicle On Or Off Road)	Fuels (Combustible Fp100f)	September	29	2020
Oil Transformer Non Pcb	Transformer Oil (Non-Pcb)	November	26	2020
Material Undetermined / Other	Unknown/Undetermined	October	27	2020
Fuel Diesel / Diesel Fuel (Vehicle On Or Off Road)	Fuels (Combustible Fp100f)	October	27	2020
Fuel Diesel / Diesel Fuel (Vehicle On Or Off Road)	Fuels (Combustible Fp100f)	October	22	2020
Material Unknown	Unknown/Undetermined	June	5	2020

Reported Hazardous Material Product	Hazardous Material Product Type	Month	Day	Year
Other / All Other / Trade Name / Mixture / Solution Etc	Other	June	5	2020
Air Fire Facility	Other	May	15	2020
Natural Gas	Compressed Gases	May	15	2020
Oil Motor / Lube Oil / Vehicle	Oils And Grease	May	15	2020
Fuel Gasoline (25% Ethanol Not E85)	Fuels (Flammable Fp100f)	May	15	2020
Sheen Rainbow / Hydrocarbon	Sheen (Hydrocarbon)	May	15	2020
Fuel Oil/ Home Heating / Heating Oil	Fuels (Combustible Fp100f)	March	20	2020
Fertilizer(S) Nos (Not Specified)	Chemicals - Fertilizers	May	13	2020
Fuel Diesel / Diesel Fuel (Vehicle On Or Off Road)	Fuels (Combustible Fp100f)	May	29	2020
Fuel Diesel / Diesel Fuel (Vehicle On Or Off Road)	Fuels (Combustible Fp100f)	May	12	2020
Material Undetermined / Other	Unknown/Undetermined	May	12	2020
Oil Hydraulic Fluid(S)	Oils And Grease	May	12	2020
Oil Motor / Lube Oil / Vehicle	Oils And Grease	May	12	2020
Fuel Gasoline (25% Ethanol Not E85)	Fuels (Flammable Fp100f)	May	7	2020
Oil Motor / Lube Oil / Vehicle	Oils And Grease	April	10	2020
Waste Water	Other	April	9	2020
Sewage Human	Sewage	April	6	2020
Material Undetermined / Other	Unknown/Undetermined	April	28	2020
Material White	Unknown/Undetermined	April	28	2020
Antifreeze Vehicle Cooling	Glycol	July	15	2020
Solid Waste Nos (Not Specified)	Solid Wastes	July	15	2020
Fuel Diesel / Diesel Fuel (Vehicle On Or Off Road)	Fuels (Combustible Fp100f)	July	3	2020
Other / All Other / Trade Name / Mixture / Solution Etc	Other	July	3	2020
Toluene / Methylbenzene (C6h6ch3)		July	3	2020
Material Unknown	Unknown/Undetermined	June	16	2020
Oil Petroleum Not Otherwise Specified (Nos)	Oils And Grease	August	10	2020
Sewage Human	Sewage	July	13	2020
Fat(S) / Oil / Grease / Tallow Food Types (Fog)	Food Products / Wastes	July	2	2020
Air Odor Gasoline / Hydrocarbon	Other	January	29	2020
Fuel Oil/ Home Heating / Heating Oil	Fuels (Combustible Fp100f)	January	29	2020

Reported Hazardous Material Product	Hazardous Material Product Type	Month	Day	Year
Fuel Diesel / Diesel Fuel (Vehicle On Or Off Road)	Fuels (Combustible Fp100f)	February	25	2020
Natural Gas	Compressed Gases	February	25	2020
Material Undetermined / Other	Unknown/Undetermined	January	15	2020
Material Unknown	Unknown/Undetermined	January	15	2020
Other / All Other / Trade Name / Mixture / Solution Etc	Other	February	18	2020
Runoff Nos (Not Specified)	Other	February	18	2020
Chlorine (Cl) (Gas)	HAZMAT Other (Non-Fuel)	February	18	2020
Leachate	Leachate	January	10	2020
Material Red	Unknown/Undetermined	January	10	2020
Oil Motor / Lube Oil / Vehicle	Oils And Grease	January	21	2020
Material White	Unknown/Undetermined	February	12	2020
Material Yellow	Unknown/Undetermined	February	12	2020
Other / All Other / Trade Name / Mixture / Solution Etc	Printer Toner	February	12	2020
Fuel Oil/ Home Heating / Heating Oil	Fuels (Combustible Fp100f)	February	11	2020
Air Fire Facility	Other	January	1	2020
Air Particulates / Smoke / Dust	Other	January	1	2020
Fuel Oil/ Home Heating / Heating Oil	Fuels (Combustible Fp100f)	February	7	2020
Sewage Sludge / Biosolids	Sludges (Non-Sewage)	March	15	2020
Mercury / Quicksilver (Hg)	Mercury	March	12	2020
Fuel Oil/ Home Heating / Heating Oil	Fuels (Combustible Fp100f)	March	2	2020
Sheen Rainbow / Hydrocarbon	Sheen (Hydrocarbon)	March	2	2020
Asphalt / Bitumen	Asphalt	September	22	2021
Oil Motor / Lube Oil / Vehicle	Oils And Grease	September	22	2021
Oil Petroleum Not Otherwise Specified (Nos)	Oils And Grease	September	22	2021
Oil Motor / Lube Oil / Vehicle	Oils And Grease	October	1	2021
Ammonia (Nh3)	Corrosives	October	23	2021
Fuel Gasoline (25% Ethanol Not E85)	Fuels (Flammable Fp100f)	October	22	2021
Oil Motor / Lube Oil / Vehicle	Oils And Grease	October	22	2021
Drum(S)	Unknown/Undetermined	September	8	2021
Oil Motor / Lube Oil / Vehicle	Oils And Grease	September	8	2021

Reported Hazardous Material Product	Hazardous Material Product Type	Month	Day	Year
Material Undetermined / Other	Unknown/Undetermined	November	11	2021
Fuel Diesel / Diesel Fuel (Vehicle On Or Off Road)	Fuels (Combustible Fp100f)	October	15	2021
Material Undetermined / Other	Unknown/Undetermined	November	11	2021
Oil Hydraulic Fluid(S)	Oils And Grease	December	1	2021
Fuel Diesel / Diesel Fuel (Vehicle On Or Off Road)	Fuels (Combustible Fp100f)	December	20	2021
Fuel Diesel / Diesel Fuel (Vehicle On Or Off Road)	Fuels (Combustible Fp100f)	November	13	2021
Oil Motor / Lube Oil / Vehicle	Oils And Grease	November	13	2021
Fuel Diesel / Diesel Fuel (Vehicle On Or Off Road)	Fuels (Combustible Fp100f)	December	17	2021
Other / All Other / Trade Name / Mixture / Solution Etc	Other	December	17	2021
Transmission / Steering Fluid	Oils And Grease	December	17	2021
Fuel Oil/ Home Heating / Heating Oil	Fuels (Combustible Fp100f)	December	24	2021
Oil Transformer Non Pcb	Transformer Oil (Non-Pcb)	June	9	2021
Fuel Diesel / Diesel Fuel (Vehicle On Or Off Road)	Fuels (Combustible Fp100f)	May	21	2021
Fuel Diesel / Diesel Fuel (Vehicle On Or Off Road)	Fuels (Combustible Fp100f)	May	1	2021
Material Unknown	Unknown/Undetermined	May	19	2021
Oil Transformer Non Pcb	Transformer Oil (Non-Pcb)	June	2	2021
Sheen Rainbow / Hydrocarbon	Sheen (Hydrocarbon)	April	27	2021
Sewage Human	Sewage	June	15	2021
Oil Transformer Non Pcb	Transformer Oil (Non-Pcb)	April	20	2021
Fuel Diesel / Diesel Fuel (Vehicle On Or Off Road)	Fuels (Combustible Fp100f)	May	26	2021
Anhydrous Ammonia (Nh3)	Corrosives	June	11	2021
Asbestos	Other	August	17	2021
Fuel Diesel / Diesel Fuel (Vehicle On Or Off Road)	Fuels (Combustible Fp100f)	June	27	2021
Paint Waste(S)	Paints/Adhesives	August	16	2021
Chemical(S) Unk	Unknown/Undetermined	August	5	2021
Fertilizer(S) Nos (Not Specified)	Chemicals - Fertilizers	August	4	2021
Material Yellow	Unknown/Undetermined	August	3	2021
Sewage Human	Sewage	August	3	2021
Fertilizer(S) Nos (Not Specified)	Chemicals - Fertilizers	July	29	2021
Fuel Diesel / Diesel Fuel (Vehicle On Or Off Road)	Fuels (Combustible Fp100f)	July	29	2021

Reported Hazardous Material Product	Hazardous Material Product Type	Month	Day	Year
Oil Petroleum Not Otherwise Specified (Nos)	Oils And Grease	July	29	2021
Pesticide(S) Nos (Not Specified)	Chemicals - Pesticides	July	29	2021
Oil Motor / Lube Oil / Vehicle	Oils And Grease	July	1	2021
Air Odor Sewage	Other	August	16	2021
Material Brown	Unknown/Undetermined	July	27	2021
Unable To Determine / Issue Found But Utd	Unknown/Undetermined	July	27	2021
Natural Gas	Compressed Gases	August	11	2021
Air Fire Facility	Other	March	15	2021
Hydrochloric Acid / Muriatic Acid (Hcl)	Corrosives	March	15	2021
Fuel Diesel / Diesel Fuel (Vehicle On Or Off Road)	Fuels (Combustible Fp100f)	February	20	2021
Material Red	Unknown/Undetermined	February	20	2021
Fuel Diesel / Diesel Fuel (Vehicle On Or Off Road)	Fuels (Combustible Fp100f)	February	3	2021
Other / All Other / Trade Name / Mixture / Solution Etc	Other	February	2	2021
Oil Motor / Lube Oil / Vehicle	Oils And Grease	January	12	2021
Orphan Drum(S)	Unknown/Undetermined	January	12	2021
Other / All Other / Trade Name / Mixture / Solution Etc	Other	January	4	2021
Runoff Nos (Not Specified)	Other	January	4	2021
Fuel Diesel / Diesel Fuel (Vehicle On Or Off Road)	Fuels (Combustible Fp100f)	January	25	2021
Material Orange	Unknown/Undetermined	March	23	2021
Material Red	Unknown/Undetermined	March	23	2021
Fuel Diesel / Diesel Fuel (Vehicle On Or Off Road)	Fuels (Combustible Fp100f)	January	22	2021
Oil Transformer Non Pcb	Transformer Oil (Non-Pcb)	March	22	2021
Fuel Diesel / Diesel Fuel (Vehicle On Or Off Road)	Fuels (Combustible Fp100f)	March	31	2021
Oil Motor / Lube Oil / Vehicle	Oils And Grease	March	31	2021
Fuel Diesel / Diesel Fuel (Vehicle On Or Off Road)	Fuels (Combustible Fp100f)	March	26	2021
Fuel Gasoline (25% Ethanol Not E85)	Fuels (Flammable Fp100f)	December	14	2022
Waste Water	Other	December	29	2022
Other / All Other / Trade Name / Mixture / Solution Etc	Other	December	12	2022
Fuel Diesel / Diesel Fuel (Vehicle On Or Off Road)	Fuels (Combustible Fp100f)	July	19	2022
Fuel Diesel / Diesel Fuel (Vehicle On Or Off Road)	Fuels (Combustible Fp100f)	August	5	2022

Reported Hazardous Material Product	Hazardous Material Product Type	Month	Day	Year
Fuel Oil/ Home Heating / Heating Oil	Fuels (Combustible Fp100f)	July	12	2022
Oil Motor / Lube Oil / Vehicle	Oils And Grease	July	9	2022
Material Unknown	Unknown/Undetermined	September	3	2022
Other / All Other / Trade Name / Mixture / Solution Etc	Other	September	3	2022
Oil Hydraulic Fluid(S)	Oils And Grease	August	1	2022
Fuel Ethanol / E85 / Ethyl / Gasohol (Denatured)	Fuels (Flammable Fp100f)	July	31	2022
Fuel Gasoline (25% Ethanol Not E85)	Fuels (Flammable Fp100f)	July	31	2022
Alcohol / Ethanol / (Not E85 Fuel) (C2h6o)	Fuels (Flammable Fp100f)	August	16	2022
Fat(S) / Oil / Grease / Tallow Food Types (Fog)	Food Products / Wastes	August	12	2022
Leachate	Leachate	August	24	2022
Material Black	Unknown/Undetermined	August	24	2022
Fuel Diesel / Diesel Fuel (Vehicle On Or Off Road)	Fuels (Combustible Fp100f)	November	1	2022
Fuel Gasoline (25% Ethanol Not E85)	Fuels (Flammable Fp100f)	November	18	2022
Grease / Non Food Types		November	13	2022
Other / All Other / Trade Name / Mixture / Solution Etc	Other	October	24	2022
Oil Hydraulic Fluid(S)	Oils And Grease	October	7	2022
Air Odor Gasoline / Hydrocarbon	Other	September	20	2022
Fuel Diesel / Diesel Fuel (Vehicle On Or Off Road)	Fuels (Combustible Fp100f)	September	19	2022
Paint Nos / Lacquer (Not Specified)	Paints/Adhesives	December	6	2022
Asphalt / Bitumen	Asphalt	November	8	2022
Orphan Container(S)	Other	April	25	2022
SODIUM HYPOCHLORITE (Naclo)	Corrosives	April	25	2022
Nothing Found / No Spill Noted / Issue Not Founded	No Spill/No Release/No Evidence	March	21	2022
Styrene (C8h8)		March	21	2022
Oil Motor / Lube Oil / Vehicle	Oils And Grease	April	5	2022
Oil Motor / Lube Oil / Vehicle	Oils And Grease	March	6	2022
Oil Petroleum Not Otherwise Specified (Nos)	Oils And Grease	March	6	2022
Material Red	Unknown/Undetermined	February	24	2022
Fuel Diesel / Diesel Fuel (Vehicle On Or Off Road)	Fuels (Combustible Fp100f)	April	19	2022
Oil Motor / Lube Oil / Vehicle	Oils And Grease	April	19	2022

Reported Hazardous Material Product	Hazardous Material Product Type	Month	Day	Year
Fuel Diesel / Diesel Fuel (Vehicle On Or Off Road)	Fuels (Combustible Fp100f)	April	18	2022
Fuel Oil/ Home Heating / Heating Oil	Fuels (Combustible Fp100f)	March	11	2022
Sewage Human	Sewage	May	12	2022
Foam	Other	May	12	2022
Fuel Gasoline (25% Ethanol Not E85)	Fuels (Flammable Fp100f)	June	5	2022
Fuel Diesel / Diesel Fuel (Vehicle On Or Off Road)	Fuels (Combustible Fp100f)	June	3	2022
Oil Transformer Non Pcb	Transformer Oil (Non-Pcb)	June	17	2022
Refrigerant Other Or Unk Type		May	31	2022
Hydrochloric Acid / Muriatic Acid (Hcl)	Corrosives	May	6	2022
Foam	Other	July	7	2022
Nothing Found / No Spill Noted / Issue Not Founded	No Spill/No Release/No Evidence	July	7	2022
Oil Hydraulic Fluid(S)	Oils And Grease	June	28	2022
Material Gray	Unknown/Undetermined	June	10	2022
Sediment / Sedimentation	Other	June	10	2022
Foam	Other	June	24	2022
Fuel Diesel / Diesel Fuel (Vehicle On Or Off Road)	Fuels (Combustible Fp100f)	February	4	2022
Oil Motor / Lube Oil / Vehicle	Oils And Grease	January	5	2022
Oil Hydraulic Fluid(S)	Oils And Grease	February	2	2022
Fuel Diesel / Diesel Fuel (Vehicle On Or Off Road)	Fuels (Combustible Fp100f)	February	1	2022
Fuel Diesel / Diesel Fuel (Vehicle On Or Off Road)	Fuels (Combustible Fp100f)	February	1	2022
Material Undetermined / Other	Unknown/Undetermined	February	9	2022
Material Unknown	Unknown/Undetermined	February	9	2022
Fuel Diesel / Diesel Fuel (Vehicle On Or Off Road)	Fuels (Combustible Fp100f)	January	17	2022
Fuel Oil/ Home Heating / Heating Oil	Fuels (Combustible Fp100f)	January	17	2022
Algae / Algae Bloom	Sheen (Biological)	July	26	2023
Material Blue	Unknown/Undetermined	July	26	2023
Contaminated Water		August	3	2023
Material Green	Unknown/Undetermined	July	17	2023
Oil Motor / Lube Oil / Vehicle	Oils And Grease	July	15	2023
Contaminated Water		July	10	2023

Reported Hazardous Material Product	Hazardous Material Product Type	Month	Day	Year
Leachate	Leachate	July	10	2023
Material White	Unknown/Undetermined	July	13	2023
Oil Cutting /Cutting Oil / Coolant / Lubricant	Oils And Grease	July	13	2023
Other / All Other / Trade Name / Mixture / Solution Etc	Other	July	13	2023
Solid Waste Nos (Not Specified)	Solid Wastes	July	12	2023
Lime Sludge / Lime Slurry	Limestone/Concrete Fines	June	7	2023
Lead (Pb)		May	24	2023
Material Undetermined / Other	Unknown/Undetermined	May	16	2023
Material White	Unknown/Undetermined	May	16	2023
Contaminated Water	Other	May	16	2023
Oil Petroleum Not Otherwise Specified (Nos)	Oils And Grease	May	16	2023
Oil Hydraulic Fluid(S)	Oils And Grease	May	12	2023
Fuel Diesel / Diesel Fuel (Vehicle On Or Off Road)	Fuels (Combustible Fp100f)	May	2	2023
Oil Motor / Lube Oil / Vehicle	Oils And Grease	May	2	2023
Fuel Diesel / Diesel Fuel (Vehicle On Or Off Road)	Fuels (Combustible Fp100f)	April	28	2023
Fuel Diesel / Diesel Fuel (Vehicle On Or Off Road)	Fuels (Combustible Fp100f)	April	26	2023
Fuel Diesel / Diesel Fuel (Vehicle On Or Off Road)	Fuels (Combustible Fp100f)	January	25	2023
Oil Motor / Lube Oil / Vehicle	Oils And Grease	January	25	2023
Propane (C3h8)	Compressed Gases	January	2	2023
Fuel Diesel / Diesel Fuel (Vehicle On Or Off Road)	Fuels (Combustible Fp100f)	February	7	2023
Phosphoric Acid (H3o4p)	Corrosives	February	16	2023
Grease / Non Food Types	Oils And Grease	February	27	2023
Other / All Other / Trade Name / Mixture / Solution Etc	Other	February	27	2023
Material White	Unknown/Undetermined	March	9	2023
Sheen Rainbow / Hydrocarbon	Sheen (Hydrocarbon)	March	9	2023
Leachate	Leachate	March	9	2023
Fuel Diesel / Diesel Fuel (Vehicle On Or Off Road)	Fuels (Combustible Fp100f)	March	7	2023
Fuel Diesel / Diesel Fuel (Vehicle On Or Off Road)	Fuels (Combustible Fp100f)	April	21	2023
Fuel Gasoline (25% Ethanol Not E85)	Fuels (Flammable Fp100f)	April	21	2023
Other / All Other / Trade Name / Mixture / Solution Etc	Other	April	21	2023

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**APPENDIX D. NATIONAL PARK SERVICE'S NATIONAL
REGISTER OF HISTORIC PLACES IN BUTLER COUNTY**

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Ref#	Property Name	City	Street & Number	Listed Date	Category of Property
75001329	Roberts Mound	Auburn	Address Restricted	3/27/1975	Site
03001100	Spread Eagle Tavern-Conrey, James D., House	Cincinnati	9797 Cincinnati-Columbus Rd.	10/24/2003	Building
76001376	Howe Tavern	College Corner	US 27	1/30/1976	Building
75001330	Harding-Jones Paper Company District	Excello	Both sides of S. Main St. at jct. with railroad tracks	5/29/1975	District
100004562	Howell and Anna Powell Farm	Fairfield	2720 Cincinnati-Brookville Rd.	11/1/2019	Building
90001495	Morgan-Hueston House	Fairfield	Ross Rd. between Mack Rd. and Woodridge Blvd.	10/1/1990	Building
80002946	Symmes Mission Chapel	Fairfield	5139 Pleasant Ave.	6/12/1980	Building
74001402	Anderson-Shaffer House	Hamilton	404 Ross Ave.	1/18/1974	Building
77001044	Beckett-Manrod House	Hamilton	2019 Stillwell-Beckett Rd.	11/11/1977	Building
73001388	Benninghofen House	Hamilton	327 N. 2nd St.	5/17/1973	Building
81000429	Butler County Courthouse	Hamilton	2nd and High Sts.	6/22/1981	Building
100004357	Champion Coated Paper Company	Hamilton	601 North B St.	9/9/2019	District
83001947	Dayton-Campbell Historic District	Hamilton	Primarily Dayton, High and Campbell Ave. between 6th and 11th Sts.	6/30/1983	District
00000799	Dixon-Globe Opera House-Robinson-Schwenn Building	Hamilton	221 High St.	7/14/2000	Building
75001331	Edgeton	Hamilton	575 Harrison Ave.	4/3/1975	Building
71000631	Fairfield Township Works I	Hamilton	Address Restricted	11/5/1971	Site
78002014	Fitz Randolph-Rogers House	Hamilton	5467 Liberty-Fairfield Rd.	2/8/1978	Building
74001403	Fortified Hill Works	Hamilton	Address Restricted	7/12/1974	Site
80002947	Garver-Rentschler Barn	Hamilton	Address Restricted	8/11/1980	Building
90002216	German Village Historic District	Hamilton	Roughly bounded by Vine, Dayton, Riverfront Plaza and Martin Luther King, Jr. Blvd.	2/7/1991	District
94000771	Greenwood Cemetery	Hamilton	1602 Greenwood Ave.	7/22/1994	District
86001917	Hamilton Catholic High School	Hamilton	533 Dayton St.	7/24/1986	Building
16000458	Hamilton Downtown Historic District	Hamilton	135-245 & 250-358 High, 9-21 N. 3rd, 6-222 S. 2nd, 2-306 & 11-301 S. 3rd, 105-309 & 224-234 Court & 311-316 Ludlow Sts.	7/18/2016	District
94000170	Hamilton Historic Civic Center	Hamilton	Roughly bounded by Market St., High St., Court St., and Monument Ave., including High-Main St. Bridge	6/29/1995	District
04000113	High Street Commercial Block	Hamilton	228,232,236 High St.	3/3/2004	District
14000292	High Street Commercial Block (Boundary Increase)	Hamilton	216-226 High St.	5/23/2014	District
77001045	Hueston, Matthew, House	Hamilton	1320 Four Mile Creek Rd.	9/16/1977	Building
76001377	Hughes School	Hamilton	5994 Princeton Rd.	1/2/1976	Building
73001389	Lane-Hooven House	Hamilton	319 N. 3rd St.	10/25/1973	Building
01000048	Notre Dame Academy and Notre Dame High School	Hamilton	926 Second St.	2/2/2001	Building
83001948	Rentschler House	Hamilton	643 Dayton St.	4/21/1983	Building
75001332	Rossville Historic District	Hamilton	Roughly bounded by B, E, Main and Amberly Dr.	10/6/1975	District

Ref#	Property Name	City	Street & Number	Listed Date	Category of Property
82003549	St. Stephen Church and Rectory	Hamilton	224 Dayton St.	7/29/1982	Building
75001333	Rose, D. S., Mound	Huntsville	Address Restricted	5/28/1975	Site
71000632	Mann Mound	Jacksonburg	Address Restricted	10/7/1971	Site
75001334	Williamson Mound Archeological District	Maud	Address Restricted	5/29/1975	Site
13000979	Big Four Depot	Middletown	25 Charles St.	12/24/2013	Building
14000480	Central Avenue Historic District	Middletown	Central Ave.	8/8/2014	District
71000633	Great Mound	Middletown	Address Restricted	10/7/1971	Site
14000589	Hotel Manchester	Middletown	1027 Manchester Ave.	9/10/2014	Building
94000242	Hughes Manor	Middletown	5894 Hamilton-Lebanon Rd.	3/17/1994	Building
14000027	Main Street Commercial Historic District	Middletown	Jct. of Main St. & Central Ave.	2/22/2014	District
14001050	Snider, Dan F., Ford Dealership Building	Middletown	101 N. Main St.	12/11/2014	Building
78002015	South Main Street District	Middletown	S. Main St.	3/21/1978	District
75001335	Tytus, John B., House	Middletown	300 S. Main St.	5/27/1975	Building
73001390	Cochran Farm	Millville	2900 OH 129	7/16/1973	Building
16000753	Morgan Township House	Okeana	6464 Okeana Drewersburg Rd.	11/2/2016	Building
86003498	Alexander, Dr. William S., House	Oxford	22 N. College Ave.	3/18/1987	Building
82001360	Austin-Magie Farm and Mill District	Oxford	Section 14, Oxford Township .	12/21/1982	District
73001392	Dewitt, Zachariah Price, Cabin	Oxford	E of Oxford on U.S. 73	4/13/1973	Building
73001391	Elliott and Stoddard Halls, Miami University	Oxford	Miami University campus	4/3/1973	Building
79001788	Herron Gymnasium	Oxford	Miami University campus	11/29/1979	Building
82001361	Hunting Lodge Farm	Oxford	NE of Oxford at 5349 Bonham Rd.	10/20/1982	Building
80002948	Kumler, Elias, House	Oxford	120 S. Main St.	1/3/1980	Building
80002950	Lane's Mill Historic Buildings	Oxford	S of Oxford at 3884 Wallace Rd.	10/3/1980	District
76001378	Langstroth Cottage	Oxford	303 Patterson Ave.	6/22/1976	Building
79001789	Maltby, Henry, House	Oxford	216 E. Church St	11/29/1979	Building
66000605	McGuffey, William H., House	Oxford	401 E. Spring St.	10/15/1966	Building
76001379	Oxford Female Institute	Oxford	High St. and College Ave.	4/26/1976	Building
80002949	Oxford Railroad Depot and Junction House	Oxford	S. Elm and W. Spring St.	2/8/1980	Building
75001336	Pugh's Mill Covered Bridge	Oxford	1 mi. N of Oxford off SR 732	6/5/1975	Structure
05000022	Sigma Aplpha Epsilon Chapter House of Miami University	Oxford	310 Tallawanda Rd.	2/8/2005	Building
74001404	Unzicker-Cook House	Oxford	2975 Oxford-Middletown Rd.	7/24/1974	Building
09000083	Western Female Seminary	Oxford	US 27 and OH 73, Western College, Miami University	9/17/1979	District
71000635	Union Township Works II	Pisgah	Address Restricted	10/7/1971	Site
80002951	Hidley, James P., Cottage	Reily	1820 Oxford-Reily Rd.	8/18/1980	Building
75001337	Demoret Mound	Ross	Address Restricted	10/21/1975	Site
75001338	Hogan-Borger Mound Archeological District	Ross	Address Restricted	10/21/1975	Site
75001339	Ross Trails Adena Circle	Ross	Address Restricted	10/10/1975	Site
74001405	Shaw Farm	Ross	3357 Cincinnati-Brookville Rd.	7/24/1974	Building
05001142	Scott, John, Barn and Granary	Shandon	3681 Hamilton-New London rd.	10/4/2005	Building
77001046	Thomas Select School	Shandon	3637 Millville-Shandon Rd.	4/11/1977	Building

Ref#	Property Name	City	Street & Number	Listed Date	Category of Property
75001340	Vaughan, John, House	Shandon	3756 Hamilton-New London Rd.	5/29/1975	Building
84002900	Augspurger, Frederick, Farm	Trenton	1856 Wayne-Madison Rd.	8/3/1984	Building
84002901	Augspurger, John, Farm No. 1	Trenton	2731 Woodsdale Rd.	8/3/1984	Building
84000208	Augspurger, John, Farm No. 2	Trenton	3046 Pierson Rd.	11/1/1984	Building
84000209	Augspurger, Samuel, Farm	Trenton	2070 Woodsdale Rd.	11/1/1984	Building
84002902	Deuscher, Henry P., House	Trenton	2385 Woodsdale Rd.	2/9/1984	Building
84002903	Ehresman, Christian, Farm	Trenton	900 Woodsdale Rd.	8/3/1984	Building
84002904	Iutzi, Christian, Farm	Trenton	2180 Woodsdale Rd.	8/3/1984	Building
84002906	Kennel, John Sr., Farm	Trenton	5506 Kennel Rd.	8/3/1984	Building
84002907	Kennel, John, Jr., Farm	Trenton	2251 Wayne-Madison Rd.	8/3/1984	Building
84000210	Schrock, Peter, Jr., Farm	Trenton	Edgewood Dr.	11/1/1984	Building
78002016	Miami-Erie Canal Site Historic District	West Chester	5171-5251 Rialto Rd.	12/18/1978	District
06001081	Voice of America Bethany Relay Station	West Chester	8070 Tylersville Rd.	11/28/2006	Building
84000211	Augspurger Grist Mill	Woodsdale	Wayne-Madison Rd.	11/1/1984	Building
84000216	Augspurger Paper Company Rowhouse #1	Woodsdale	Wayne-Madison Rd.	11/1/1984	Building
84000215	Augspurger Paper Company Rowhouse #2	Woodsdale	Kennedy Rd.	11/1/1984	Building
84000212	Augspurger Schoolhouse	Woodsdale	1816 Wayne-Madison Rd.	11/1/1984	Building
84000213	Augspurger, Samuel, House	Woodsdale	Wayne-Madison and Kennedy Rds.	11/1/1984	Building
84000214	Mill Office and Post Office	Woodsdale	Woodsdale Rd.	11/1/1984	Building

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APPENDIX E. PUBLIC COMMENTS RECEIVED

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Source of Comment	Comment Submitted by: Public / Stakeholder / Jurisdiction	Comment Received	Status of Comment: Accepted and Incorporated into HMP / Declined / Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Concerns on coordinated Emergency Notification Systems, emergency shelters & lack of emergency generators in the event of a severe tornado	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Concerns regarding well equipped, stocked, staffed, & with emergency generators emergency shelters in the event of area wide power outage	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Concerns how overall prepared in dealing with severe earthquakes. We are in the secondary zone of the New Madrid Earthquake Zone. More emphasis by EMA to promote community preparedness is needed	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Question when the last time was the US Army Corps of Engineers conducted extensive Flood Mitigation in Butler County	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	How well prepared is EMA to assist & coordinate with both county & local governments in assisting with county wide heat emergencies?	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Covid	Incorporated into HMP
Butler County Public Survey	Public	The worst hazard dealt within the past 5 years is high winds due to severe weather.	Incorporated into HMP
Butler County Public Survey	Public	Power outages that last a few days.	Incorporated into HMP
Butler County Public Survey	Public	The hurricane Ike effect	Incorporated into HMP
Butler County Public Survey	Public	Tornados, Blizzard 1977, Dry hurricane	Incorporated into HMP
Butler County Public Survey	Public	Tornado/wind damage. Might have been remnants of Katrina or the hurricane after that. Took part of roof.	Incorporated into HMP
Butler County Public Survey	Public	The hurricane remnants that came through in 2009 that knocked out power for days. We were without power for 3 days which was a challenge as we had 2 children under the age of 4 at that time.	Incorporated into HMP
Butler County Public Survey	Public	Wind damage/power outage from Hurricane Ike (2008)	Incorporated into HMP
Butler County Public Survey	Public	Grid Down scenario - Widespread power outage due to natural disaster (including solar flare), cyber-attack, targeted physical attacks which other parts of the country have experienced, or EMP. The grid technology/equipment is from the 1970s. Prepare for this and you will be prepared for any other worst-case scenario. If the mission is to protect the community, this is an area of utmost concern.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Severe winter storms.	Incorporated into HMP
Butler County Public Survey	Public	There are 2 events - The drainage from the golf course causes flooding and erosion all around the course. This is chronic and ongoing. The second is the increased winds that we experience as a result of climate change. The winds are destructive to trees, especially newly planted trees, and homes in terms of roofs and siding	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	So far, nothing beyond heavy rain and snow.	Incorporated into HMP

Butler County Public Survey	Public	Tornado warning, tree limbs	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Do you go in the field and confirm sirens reach intended areas?	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Storm damage	Incorporated into HMP
Butler County Public Survey	Public	High wind damage to home roof and siding; severe winter storm affecting access to roadways and important facilities	Incorporated into HMP
Butler County Public Survey	Public	2022 straight-line wind incident.	Incorporated into HMP
Butler County Public Survey	Public	Lack of CERT in my community. Also, since I moved here in 2022 from the East Coast, I no longer receive tornado warnings via Wireless Emergency Alert (fortunately I have a NOAA weather radio).	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Microbursts taking down electric wires lasting in no electricity for 1+ weeks	Incorporated into HMP
Butler County Public Survey	Public	Some basement flooding	Incorporated into HMP
Butler County Public Survey	Public	Power outages due to severe storms	Incorporated into HMP
Butler County Public Survey	Public	Tornado	Incorporated into HMP
Butler County Public Survey	Public	Tornado threat	Incorporated into HMP
Butler County Public Survey	Public	Flooding from bad storms	Incorporated into HMP
Butler County Public Survey	Public	The blizzards of, I believe, 1976.	Incorporated into HMP
Butler County Public Survey	Public	Small tornado about 40 years ago, Covid pandemic, blizzards in the late 1970's.	Incorporated into HMP
Butler County Public Survey	Public	Tornado. Power out for 10 days.	Incorporated into HMP
Butler County Public Survey	Public	Flooded basement	Incorporated into HMP
Butler County Public Survey	Public	May 2022: Improperly applied herbicide sprayed on Miami-owned farm field drifted over neighborhood damaging established trees and killing younger ones. Still not known what long term health effects it may have had on people who breathed it or who ate contaminated produce	Incorporated into HMP
Butler County Public Survey	Public	Snowfall in 1978	Incorporated into HMP
Butler County Public Survey	Public	Flooded basement about 2;5 years ago. Problem may now be fixed	Incorporated into HMP
Butler County Public Survey	Public	Blizzard of '77	Incorporated into HMP
Butler County Public Survey	Public	Prolonged power outages due to storms	Incorporated into HMP
Butler County Public Survey	Public	Tornado, several years ago.	Incorporated into HMP
Butler County Public Survey	Public	Extreme heat with temps in the high 90's after 11pm, and not cooling below 70 overnight for several days at a time. I remember taking a nighttime walk to see the stars, late at night on my farm property, and the temperature was 96 degrees at almost midnight. It was too hot to do anything outside in the day, and too hot at night to sleep. The crops and forest wilted. I think it was 2016.	Incorporated into HMP
Butler County Public Survey	Public	Elected officials are climate change deniers, but the root of extreme weather IS climate change	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	High winds. Had to have roof replaced.	Incorporated into HMP

Butler County Public Survey	Public	Most sirens in West Chester don't work. Not a good situation.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Extreme windy weather, my home near lots of old and weak trees	Incorporated into HMP
Butler County Public Survey	Public	Railway tracks divide the community, access to fire and police help on only one side of tracks.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	"Hurricane" Ike	Incorporated into HMP
Butler County Public Survey	Public	It may have been the prolonged extreme cold in DEC-JAN 1977/78(?). Ice, Snow, Damage to power lines, water interruption, slipping and falling, hypothermia, fire hazards, driving hazards, and more.	Incorporated into HMP
Butler County Public Survey	Public	Thankfully I have not experienced this directly in the 10+ years I've been a resident. COVID-19 perhaps?	Incorporated into HMP
Butler County Public Survey	Public	Servers Weather, tornados & blizzards. Area wide power outages that lasted several days	Incorporated into HMP
Butler County Public Survey	Public	Severe thunderstorms when power was out for a week for many parts of the county.	Incorporated into HMP
Butler County Public Survey	Public	My community West Chester does not provide resident's information on its planning & capabilities in responding to a township wide disaster	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	No specific dates - but a few severe thunderstorms with wind and hail damage	Incorporated into HMP
Butler County Public Survey	Public	Hurricane Ike. We lost power for almost a week.	Incorporated into HMP
Butler County Public Survey	Public	Blizzard of 1977, Tornado of 1974	Incorporated into HMP
Butler County Public Survey	Public	Loss of cell towers. Loss of electricity could impact gas stations, home heating, refrigeration of food. Ineffective Butler County CERT team	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Heavy rain	Incorporated into HMP
Butler County Public Survey	Public	Weekend evening snowstorm. I had to get to a store and almost crashed types. Roads were untreated, including major thoroughfares like 747 and Hamilton-Mason Road. This is a frequent issue. It seems like plowing and salting don't happen on weekends, as though people don't have commitments on those days.	Incorporated into HMP
Butler County Public Survey	Public	Storms that disrupt health and emergency services and power.	Incorporated into HMP
Butler County Public Survey	Public	Major flooding closing roads and washing away parts of roads. I believe the spring of 2018 was especially bad. I worry about tornadoes as well.	Incorporated into HMP
Butler County Public Survey	Public	Soil erosion in our back yard due to additional storm water runoff from other properties in our community into a drainage system that was designed over 30 years ago and can no longer fully support significant storm and heavy rains. Tried reaching out the county engineers office for advice and consultation to no avail. Beckett Station Subdivision.	Incorporated into HMP
Butler County Public Survey	Public	Driving on ice covered by snow on I-75 because the roads weren't treated. I think it was in 2012 or 2013	Incorporated into HMP

Butler County Public Survey	Public	Dead tree falling on my house during high wind (straight-line) event	Incorporated into HMP
Butler County Public Survey	Public	Hurricane Ike abt. 2009	Incorporated into HMP
Butler County Public Survey	Public	Severe storms	Incorporated into HMP
Butler County Public Survey	Public	Lack of back-up electricity when the grid goes down following a severe storm. I have solar panels on my house, each with inverters to transfer DC to AC, but cannot use this or share it with my neighborhood when the grid is down. This is due to some regulation of the electricity grid at the state level. Changing that regulation should be a priority, so that locally generated electricity is available when a storm knocks out the grid.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Extreme weather causing loss of power for extended time	Incorporated into HMP
Butler County Public Survey	Public	Extremely high winds from hurricane Ike, power outage for 4 days, damage to vehicles and roof.	Incorporated into HMP
Butler County Public Survey	Public	Ice and snowstorm '94	Incorporated into HMP
Butler County Public Survey	Public	Blizzards and ice storms.	Incorporated into HMP
Butler County Public Survey	Public	Tornado June 1990, Fairfield. High winds from Hurricane Katrina; no power for days in Hamilton.	Incorporated into HMP
Butler County Public Survey	Public	Power outages. My main concern is hazardous material due to chem dyne and the possible placement of the NHX project and the impact it could play	Incorporated into HMP
Butler County Public Survey	Public	ChemDyne	Incorporated into HMP
Butler County Public Survey	Public	Extremely heavy rains in March; tornados are less common but extreme in risk	Incorporated into HMP
Butler County Public Survey	Public	Tornado	Incorporated into HMP
Butler County Public Survey	Public	I have no idea what is in the plan for a post-disaster cleanup or if there is one.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Flooding	Incorporated into HMP
Butler County Public Survey	Public	Windstorm/derecho on September 14, 2007	Incorporated into HMP
Butler County Public Survey	Public	High winds. We have been here one year	Incorporated into HMP
Butler County Public Survey	Public	Lack of community plan for WHAT to do in case of different emergencies ~ eg, we hear the tornado alarms (usually only for monthly testing) > but what should we do if 1) out driving, 2) at home, 3) walking dog...etc.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	As I've only returned to Ohio recently (Nov 2021), I have NOT myself experienced any true hazard events ~ YES, internet problems and occasional electric outages, but never for more than a couple hours. While not offered, I would consider TRAFFIC accidents (involving lane closures, significant delays) to be a hazard event ~ especially if we're all trying to leave the same area at once.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Winter storms.	Incorporated into HMP
Butler County Public Survey	Public	Health related emergencies relating to COVID 19 pandemic	Incorporated into HMP
Butler County Public Survey	Public	Pandemic response was poor across the board (not just a county issue, but a nationwide issue)	Incorporated into HMP
Butler County Public Survey	Public	Windstorm about 16 years ago. Power was out at my house for roughly a week.	Incorporated into HMP

Butler County Public Survey	Public	Hail Damage	Incorporated into HMP
Butler County Public Survey	Public	Human services are very siloed	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	With Acton Lake and Four Mile Creek flooding is a major issue in this area of the county.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	The ball fields and houses close to the ball fields flood severely during high rain events.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Reily Township runs along the Indiana border; during severe weather and high winds this area tends to have many trees down & damage to homes/properties.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Rainwater travels through several yards. Street drainage is going over curbs and into yards instead is downhill. Sump pumps in area are directed towards other resident's yards instead of towards the street.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Heavy rain cleanup of the river way should be performed in a timely manner, after the river levels go back to stable.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Plan to lose trailer park when Gregory Creek floods. New roundabout at Princeton & Maud Hughes will be in danger too.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Poor snow clearing	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Trees down across Maud Hughes Rd after tornado or high winds.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	High water often. Road improvements have helped.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Bad hill in snowstorms	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Another rough hill in snowstorms	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	The tunnel under the railway has an issue with high waters after heavy rains.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Power outages on Tylersville is a nightmare for traffic.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Grid Down scenario for the entire county.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	The bridge in storms	Forwarded to Butler County Emergency Management Agency

Butler County Public Survey	Public	Infrastructure with new houses. Increasing backups	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Left turn lanes insufficient room. Backups	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Area experienced flooding of Mill Creek due to heavy rain in 2022. Media reports indicated some businesses had to be evacuated.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Vehicle damage due to tree debris during high wind event in 2022.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	In the wake of the COVID-19 pandemic, and now with H5N1/HPAI looking increasingly likely to become able to cross from birds to mammals in the not-too-distant future, I remain extremely concerned about lack of pandemic preparedness and response capacity at the local, state, and federal levels.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Near residential areas	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Not adequate drainage	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	High water	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	High water	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Flooding	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Sewage/water upgrades	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Sewer and water upgrades; Street improvements.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Road flooding when heavy rain.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Area along Indian Creek and its tributaries	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Four Mile Creek	Forwarded to Butler County Emergency Management Agency

Butler County Public Survey	Public	Low-lying	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Acton lake flooding areas south of it	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Tornado warning sirens in the rural communities.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Floods over street on either side of bridge	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Stop violating chemical spraying laws	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Low areas have bad drainage	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Post tornado preparedness	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Cold weather for the homeless	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Creek can overflow	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Four Mile Creek floods, causing Bonham Road to close. This happens in the Spring when heavy rainfall causes snow to melt rapidly. It also happens if there are 2+ days of heavy rainfall (strong thunderstorms).	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Plant trees for the trailer park community so they don't suffer during extreme heat events. Shade trees protect the ground from heat whereas cement, asphalt, and buildings turn this area into a heat island, hotter than other neighborhoods with trees	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Because streams have been sent underground, and construction has happened in the flood plain, the area surrounding the intersection of Lynn Ave and Spring Street is prone to flooding during high rain events	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Keep 4-Mile Creek free of major obstructions (logs, trees). But even so, a huge rainfall will overpower the lowlands along the creek.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Collins Run.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Key bridges on both State Roads & Interstates being structurally damaged or impassable due to earthquake or severe weather damage	Forwarded to Butler County Emergency Management Agency

Butler County Public Survey	Public	Lots of drainage to Mill Creek that back up in heavy rains	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Heavy rains cause standing water along Millikin	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Starting to see more water in ponds during heavy rains.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Traffic signage to help people better understand recent changes to I-75 access	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	No shoulders and barely wide enough lanes. Scary when there's a truck or even wider pickup or SUV coming at you.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Tylersville need shoulders!	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Traffic circle isn't going to help issues here. Construction is making more safety issues for walkers and drivers	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Low-lying areas along Miami tributaries	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Locust Street floods constantly. There are lots of businesses and residences in the area.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	The current drainage system in our backyard cannot support have rain fall, storm water runoff, at time it will overflow the concrete drain pipe installed over 30 years ago. No one from the county has ever responded to our request for help.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Drainage issues, drain pipe will over flow if heavy rains or significant storm water from side streets and other properties.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	It can take forever to get a cul-de-sac plowed	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Frequent flooding	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Very rough/bumpy railroad crossing	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Dangerous intersection with Port Union and Trade Port Drive. Hard to see traffic clearly when exiting trade port drive	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Flooding under train tracks.	Forwarded to Butler County Emergency Management Agency

Butler County Public Survey	Public	Stream/storm water eroding back yard property.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	River flooding into low lying areas and drainage incapacity after sudden, heavy rainstorms or days of relentless rainfall.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	I've not seen severe flooding too often but have seen water backed up over streets due to poor water drain systems.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Chem Dyne	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	The neighborhood is worried about the likely good of chemical exposure when the city of Hamilton works near the site to place a road. A city worker stated the plume is headed towards the river.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Flat. Drainage issues.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Floodplain	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Traffic flow	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Anytime there's heavy rain, the roads flood through Seven Mile	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Development plans may change the flood plane	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	During a severe cold snap this winter, the city didn't have anywhere for people to go who didn't have shelter or lost power	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Stormwater infrastructure	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	High drug use	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Drug use	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Drug use	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	I realize Miami wanted to protect its students (creating median) > but this eliminated spare lane that emergency vehicles use. It is IMPOSSIBLE to get off the road to allow emergency vehicles to pass ~ and given that traffic is always	Forwarded to Butler County Emergency Management Agency

		backed up on this stretch of High Street (and turning right onto Patterson for almost immediate LEFT onto 73 (to exit Oxford)	
Butler County Public Survey	Public	Again, what WAS a passable street (Patterson), has been made impossible for emergency vehicles to get through, secondary to planted medium.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	One of 4 only real access points into/out of Oxford: Rt 27 (north on west side of town) with access to College Corner, Indiana.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Last of 4 real Oxford access points: Rt 732 (to all points south) and Brookville Rd (continuation of W. Chestnut St to all points west of town)	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	One of two most important access points into/ out of Oxford (only 4 real access points total): Rt 73 (east on west side of town) with access to Hamilton and Dayton.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Second of only 2 real only real access points for Oxford: Rt 27 (south, in SE corner of town) with access to Cincinnati and Hamilton	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Concern about Railroad blocking access to parts of town depending on where need is.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Traffic flow issues due to limited bridges. Would be difficult to evacuate everyone quickly	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Continued dam maintenance is important to prevent flooding. I am unsure how well the dam is maintained	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Dam maintenance to reduce risk of flooding.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Traffic	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Traffic. This is NOT a negative pertaining to spooky as a whole as I think it's great for the community. But the congestion on weekends in this area may be tough to navigate in the event of a pop-up hazard.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	During extreme rains this area tends to accumulate water quickly	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Floods easily	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Low-income areas may have issues being able to recover	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	More spread out and rural with less resources available	Forwarded to Butler County Emergency Management Agency

Butler County Public Survey	Public	Continue open communication	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Communication across silos	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	BREC & Duke Energy remove hazard trees from roadside/power lines, beyond what they do each year, would be helpful for all County residents.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Tornado siren set up in the rural most portions of the county.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Fix areas that are prone to high amounts of hydroplaning on 129. Make sure neighborhoods have proper drainage to sewers.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Use signs for warning of road conditions when it rains.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	General preparation is important -especially with regard to how we communicate with residents	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Hold community sessions to inform residents what to do and where to go in emergencies. Do 50s-style shelters exist in the area?	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Determine which churches or schools will be shelters during mass emergency. Let residents know because there will be scant communication at the time.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Locally trained people to aid in recovery after disaster	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Quit building (rebuilding) in flood prone areas	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Road improvements. Also, sirens are hard to hear in an actual storm.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Evaluate measures to reduce threats to the power grid and work with Federal partners to address this issue.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Evaluate steps/education to mitigate grid down scenarios.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Storm sirens; additional emergency personnel	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Be proactive with discussion in new housing areas	Forwarded to Butler County Emergency Management Agency

Butler County Public Survey	Public	Ask county/township for help widening trenches in backyard for flooding	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Implement Wireless Emergency Alerting. Promote CERT and NOAA Weather Radio. Aggressively combat disinformation.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Promote CERT and NOAA Weather Radio. Aggressively combat disinformation.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Better drainage systems	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Prompt notification of impending storms; Prompt cleanup	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Prompt cleanup	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Recognize there are 19,000+ students in Oxford a number of months of the year and plan extraordinary help in those months.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Keep University and Oxford/Oxford Township communications open.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Make roads safer and drainage better. Upgrade sewer system overflows in old older neighborhoods.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Hire leaders who can be proactive in anticipating hazards and best prepare for them.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Not sure Reily Twp. has the resources to do much, although the fire department and EMT squad are awesome	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	More tornado sirens in rural communities.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	More tornado sirens in rural communities.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Clean Water and Clean Air are things that should also be on the list. They are fundamental to our lives where the periodic storm is not.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Make sure we have clean water!	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Bury utility lines	Forwarded to Butler County Emergency Management Agency

Butler County Public Survey	Public	Plant trees & natural vegetation. Use porous surfaces for new parking lots so water drains into the ground. "Daylight" creeks currently underground.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Recognize the dangers of climate change and write policies that take it's impacts into account	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Maintain storm drain and make sure the drains in residential areas are open without debris	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Keep trash off ground, make sure the lawn mower companies are picking up trash before mowing lawns,	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Fix sirens.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Don't know what can be changed about railroad track location	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Shelters for people when electricity fails during a multi-day heat emergency failure or cold emergency failure.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Make sure every community/neighborhood has cooling and warming centers that people know about and can use in extreme conditions.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Identify team leaders in each neighborhood who can coordinate first response efforts immediately after a tornado or other storm causing major damage.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Seems like roads are regularly being improved which would serve well in the event of a evacuation.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Further communication and education.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Plans to deal with severe storm and flood damage.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Selection, preparation & training for Emergency Shelter preparedness & management	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Community engagement at both the County & local level. Note: I have extensive training & experience in disaster response operations	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	More Utilities underground. Continued community education.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	More emphasis on cell phone alerts. Strengthen / improve CERT training and visibility	Forwarded to Butler County Emergency Management Agency

Butler County Public Survey	Public	Instead of building roundabouts, look at adding shoulders where they don't currently exist. They would give runoff someplace to go	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Affordable housing away from flood-prone areas	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Make infrastructure improvements to be more storm resistant. Also save/set aside funds for emergency clean up.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Create a local planned response to emergencies of all types. Practice their implementation.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Advanced warning system for smog, server storm, tornado, etc. events. ie text message system.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	make sure the infrastructure has been updated and can support current weather-related conditions like flooding, storm water runoff.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Treat and plow neighborhood roads quicker and more often. Add a light to the bottom on the 75 on-ramp at Union Center and at Tylersville.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Treat roads better/quicker. Learn to drive properly. I've no idea how they always crash hard on 75 @ the West Chester overpass. And it not about speed	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Fund fire and police departments. Have an agreed-upon plan with adjacent govt jurisdictions.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Advocate for shorter trains, more inspections on trains and advance notifications of hazard materials that will be traveling through towns on trains.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Better flood control at frequent flood areas	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Report issues immediately	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Facilitate local microgrids so that residents have access to electricity when the grid is down due to severe storm	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Facilitate local microgrids so that residents have access to electricity when the grid is down due to severe storm	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	As seems to be happening per this FB article, creating and publishing plans for possible disasters with a good chance of occurring.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Better flood mitigation.	Forwarded to Butler County Emergency Management Agency

Butler County Public Survey	Public	Say no to the use of chem dyne for the NHX project	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Have a plan ready for natural disasters, and emergencies situations such as chemical spills.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Flood Control. Drainage.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Clear drains.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Public awareness	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	COAD	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	REMOVE median barriers put up along Patterson and High Streets...Were they even legal as both stretches are a part of a US Hwy (27)??	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Coordinate efforts of various municipalities	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	We are doing a mitigation plan with the Climate Action Steering Committee of City Council	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Improve pandemic response plan, improve traffic flow and ensure bridge and dam maintained appropriately	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Have backup generators, solutions in case power goes out during extreme temperatures	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Work with local officials to see if there is anything they can do at the county level to assist at the city level.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Work to optimize traffic flow in and out of the city.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Identify both resources for the rural areas and the urban areas. Rural seems more vulnerable at the moment due to lack of community resources.	Forwarded to Butler County Emergency Management Agency
Butler County Public Survey	Public	Regularly update plans and review them with localities.	Forwarded to Butler County Emergency Management Agency

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APPENDIX F. CRITICAL FACILITIES IN BUTLER COUNTY

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Jurisdiction	Airports	Fire Station	Government Buildings	Hospital	National Shelter System Shelters	Nursing Homes	Oil and Gas Wells	Police Stations	School	Water Facilities	Grand Total
City of Fairfield	1	3	1	1	5	9	1	1	11	0	33
City of Hamilton	0	6	1	2	7	9	1	2	19	2	49
City of Middletown	1	3	1	0	7	6	3	1	16	0	38
City of Monroe	0	2	1	0	1	4	11	1	6	0	26
City of Oxford	0	1	2	1	5	3	1	3	4	2	22
City of Sharonville	0	1	0	0	1	0	0	0	0	0	2
City of Trenton	0	2	1	0	0	0	0	1	1	0	5
Fairfield Township	0	2	1	0	1	4	0	1	5	3	17
Hanover Township	0	1	1	0	1	1	0	0	2	2	8
Lemon Township	0	0	0	0	0	0	0	0	0	4	4
Liberty Township	0	3	1	2	2	0	2	0	11	0	21
Madison Township	0	3	1	0	0	0	3	0	3	0	10
Milford Township	0	2	1	0	1	1	1	0	1	2	9
Morgan Township	0	2	1	0	1	0	0	0	1	0	5
Oxford Township	1	0	0	0	2	0	1	0	0	2	6
Reily Township	0	2	1	0	0	0	1	0	0	0	4
Ross Township	0	2	0	0	6	0	0	1	3	2	14
Somerville Township	0	1	0	0	0	0	0	0	0	0	1
St. Clair Township	0	2	1	0	1	0	0	0	6	4	14
Village of College Corner	0	0	0	0	0	0	0	0	0	0	0
Village of Jacksonburg	0	1	1	0	0	0	0	0	0	0	2
Village of Millville	0	0	1	0	0	0	0	0	0	2	3
Village of New Miami	0	1	1	0	0	0	0	1	0	2	5
Village of Seven Mile	0	1	1	0	0	0	0	1	1	0	4
Wayne Township	0	0	0	0	0	0	3	0	0	0	3
West Chester Township	0	5	1	1	2	4	0	1	16	2	32
Grand Total	3	41	19	6	41	37	25	13	90	27	302

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APPENDIX G. ADOPTION RESOLUTIONS

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APPENDIX H. PLAN REVIEW TOOL

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APPENDIX I. STAKEHOLDER FORM RESPONSES

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Hazard Risk Form Responses

During the planning process, each stakeholder was able to rank their organization's risk to each profiled hazard in the plan. They were asked to consider the risk factors of probability, impact, spatial extent, warning time, and duration and how those factors may increase or decrease their community's risk to the hazard. A ranking of high indicates the organization considers at least four of the factors to be an increased concern. A ranking of medium indicates the organization considers two to three of the factors to be an increased concern. A ranking of low indicates the organization considers one or no factors to be an increased concern. Each stakeholder response to the form for the profiled hazards is presented in the table below.

TABLE 7 HAZARD RISK BY STAKEHOLDER

	Tomado	Severe Thunderstorm	Flooding	Extreme Temperatures	Severe Winter Storms	Earthquake	Drought	Dam/Levee Failure	Health-Related Emergencies
Butler County Board of Developmental Disabilities	H	H	L	M	H	L	L	L	H
Butler County Department of Development	L	M	H	L	L	L	L	L	H
Butler County Engineer's Office	H	H	H	M	H	H	L	H	L
Butler County General Health District	H	M	H	H	H	M	L	M	H
Butler County Historical Society	H	H	H	M	M	L	M	L	H
Butler County Regional Transit Authority	H	H	L	H	H	L	L	L	M
Butler County Soil and Water Conservation District	M	H	H	M	L	L	H	M	M
Butler County United Way	M	H	H	M	H	L	H	M	H
Cincinnati Financial	H	H	L	M	H	M	L	L	M
Cleveland Cliffs	H	H	H	H	H	H	M	M	H
Council on Aging of Southwestern Ohio	H	H	M	H	H	H	L	L	H
Edgewood City School District	H	M	M	M	H	L	M	L	H
Fairfield City Schools	H	H	H	M	H	M	M	M	H
Fairfield Township	M	H	H	M	H	L	L	L	M
Greater Hamilton Chamber of Commerce	H	H	M	L	M	M	L	L	H
Liberty Township	M	H	H	M	M	L	M	L	M
Miami Conservancy District	M	H	H	L	H	H	M	H	M
Molson Coors	H	M	L	L	M	L	L	L	M
Public Utilities Commission of Ohio	H	H	H	H	H	L	L	L	L
Reily Township	H	H	H	M	M	M	M	L	M
Shared Harvest Foodbank	H	M	L	H	M	L	H	L	H
Southwest Regional Water District	H	L	L	M	H	H	L	L	M
St. Clair Township	M	H	H	L	M	L	L	L	M
Talawanda School District	H	H	M	H	H	L	M	M	H
The Health Collaborative	H	H	M	H	H	L	M	L	H
West Chester Township	H	M	M	L	M	L	L	L	M

H = High, M = Medium, L = Low

Risk Evaluation Form Responses

The following table displays the results of the Risk Evaluation form completed by the stakeholders that submitted responses during the planning process. The form asks respondents to evaluate how the hazards from the previous plan have changed in regards to risk to their agency. “I” indicates that the organization has seen an increase in risk to the hazard; “D” indicates that the organization has seen a decrease in risk to the hazard; and “NC” indicates the organization has seen no change in risk to the hazard.

TABLE 8 BUTLER COUNTY RISK EVALUATION STAKEHOLDER FORM RESPONSES

	Tornado	Severe Thunderstorms	Flooding	Extreme Temperatures	Severe Winter Storms	Earthquakes	Drought	Dam/Levee Failure
Butler County Board of Developmental Disabilities	I	I	NC	NC	NC	NC	NC	NC
Butler County Department of Development	NC	I	I	I	I	NC	I	NC
Butler County Engineers	NC	I	I	NC	D	NC	NC	NC
Butler County General Health District	I	I	I	I	I	NC	NC	NC
Butler County Historical Society	I	I	I	NC	D	NC	NC	NC
Butler County Regional Transit Authority	I	I	NC	I	I	NC	NC	NC
Butler County Soil and Water Conservation District	NC	I	I	NC	D	NC	NC	NC
Butler County United Way	I	I	I	NC	I	NC	NC	NC
Cincinnati Financial	I	I	NC	I	I	NC	NC	NC
Cleveland Cliffs	NC	I	NC	NC	D	NC	NC	NC
Council on Aging	NC	I	NC	NC	I	NC	NC	NC
Edgewood City Schools	NC	I	I	NC	I	NC	NC	NC
Fairfield City Schools	NC	I	NC	NC	D	NC	NC	NC
Fairfield Township	NC	NC	D	NC	NC	NC	NC	NC
Greater Hamilton Chamber of Commerce	NC	I	NC	NC	D	NC	NC	NC
Hamilton City School District	NC	NC	NC	NC	D	NC	NC	NC
Liberty Township	NC	I	NC	NC	NC	NC	NC	NC
Miami Conservancy District	I	I	I	NC	NC	NC	NC	I
Molson Coors	I	NC	NC	I	D	NC	NC	NC
Public Utilities Commission of Ohio	I	I	NC	I	I	NC	NC	NC
Reily Township	NC	I	NC	NC	NC	NC	NC	NC
Shared Harvest Foodbank	I	I	I	I	D	NC	I	NC
Southwest Regional Water District	NC	NC	NC	NC	NC	NC	NC	NC
St. Clair Township	NC	I	I	NC	NC	NC	NC	I
Talawanda School District	I	I	NC	I	I	NC	NC	NC
The Health Collaborative	I	I	NC	I	I	NC	NC	NC
West Chester Township	NC	I	I	I	NC	NC	NC	NC

Vulnerability Assessment Form Responses

All stakeholders that were invited to participate in the planning process were also invited to submit responses to the Vulnerability Assessment form either during Meeting #1 or online through the Butler County Hazard Mitigation Plan Update website. The following tables capture the vulnerabilities of stakeholders to the profiled hazards. As the stakeholders are localized to the planning area, the responses are applicable to the plan and further identify vulnerabilities of the planning area.

Organization	Vulnerability Assessment Response to Tornado
Butler County Board of Developmental Disabilities	We serve a very vulnerable population – persons with developmental disabilities. Physical, medical, behavioral support needs are unique and can be challenging. This hazard could heighten the population we serve’s vulnerability. There has been more tornado activity around the area that have hit homes.
Butler County Historical Society	Our 150-year-old museum/home would not withstand a powerful tornado. Our research library and main storage area should. Our main storage area is underground and re-enforced concrete. Most of our valuable collections are stored in the “bunker” reinforced basement.
Butler County Regional Transit Authority	Could cause temporary or long-term suspension of service, depending on damage to property and equipment.
Butler County Soil and Water Conservation District	Office, structure of building to run operations.
Butler County United Way	Not as high risk due to being in the city.
Cincinnati Financial Corporation	People, buildings/corporate offices, offsite facilities and infrastructure. More severe events.
Cleveland Cliffs Middletown Works	Older homes are vulnerable to severe damage with low grade tornados. Water towers, flares, 100+ year old buildings, chemical storage.
Council on Aging of Southwestern Ohio	Seniors living alone or in senior buildings may need special assistance/notification prior to and following tornado damage.
Edgewood City Schools	4,500 staff and students across 6 different buildings.
Fairfield City Schools	We educate 9,500 students daily, so 1 tornado could hit a high concentration of people. Tornadoes appear to come earlier in the season.
Greater Hamilton Chamber of Commerce	Those in historic structures.
Hamilton City School District	I think our schools are built as well as any building to handle a tornado, but assistance in creating Shelter in Place plans would be welcome. Some of that is happening right now with the Hamilton Fire Department.
Miami Conservancy District	Tornados can cause major debris in rivers that can obstruct flow/outlet structures at dams/levees or storm sewers.
Molson Coors	Vulnerable due to type of construction (warehouse); chemicals onsite – ammonia, chlorine, etc.
Public Utilities Commission of Ohio	Electric grid. More off-season events.
Reily Township	Homes, farms.
Shared Harvest Foodbank	Households who are low income may not be able to quickly evacuate due to transportation issues – unreliable vehicles or access to fuel.
Southwest Regional Water District	Administration office, two treatment plants, 25 water towers, 12 pumping stations are vulnerable to severe damage to any of the assets could be crippling.
St. Clair Township	We have 3 mobile home parks within our township.
Talawanda School District	Our middle school was built in 1989. Housing of students and staff are concerns.

Organization	Vulnerability Assessment Response to Tornado
The Health Collaborative	Infrastructure vulnerability for hospitals/healthcare buildings and health of those affected – including electricity/generators, the health and safety of those working in a hospital and seeking treatment.
West Chester Township	Many commercial buildings with tilt-up concrete construction. Increase in multi-family dwellings, with high occupancy loads. Major community hospitals, multiple schools, large industrial parks.

Organization	Vulnerability Assessment Response to Severe Thunderstorms
Butler County Board of Developmental Disabilities	We serve a very vulnerable population – persons with developmental disabilities. Physical, medical, behavioral support needs are unique and can be challenging. This hazard could heighten the population we serve's vulnerability.
Butler County Historical Society	Lots of trees in the area and lots of power lines. I'm originally from Illinois where most of the utility lines are buried. Why is this not so in Ohio? Only if there is extended power outage would this impact us. There are more straight-line winds, but less lightning.
Butler County Regional Transit Authority	Could cause temporary disruption in service during a storm event.
Butler County Soil and Water Conservation District	Increase in stormwater – issues with culverts, pipes, etc. Agricultural Pollution Abatement increase chance of animal manure in streams which causes a stream quality issue.
Cincinnati Financial Corporation	People, buildings/corporate offices, offsite facilities. More frequent higher wind events.
Cleveland Cliffs Middletown Works	Power lines are vulnerable to overgrown and unmanaged trees. Lightning damage.
Council on Aging of Southwestern Ohio	Seniors living alone or in senior buildings need special assistance if damage in home or area.
Edgewood City Schools	4,500 staff and students across 6 different buildings.
Greater Hamilton Chamber of Commerce	Damage to building. Increase in wind events.
Hamilton City School District	We are fortunate to have relatively newer schools. We don't have to many locations with trees that could cause a threat to the schools. Our biggest issues during severe thunderstorms are power outages.
Miami Conservancy District	High intense rainfall can cause levee interior flooding, loss of power for pump stations, etc.
Molson Coors	Many outside workers.
Public Utilities Commission of Ohio	Electric grid. More off-season events.
Reily Township	Structures in the township, farms. More straight line winds.
Shared Harvest Foodbank	Power outages require families to rely on reserves of food, water, and other resources that they don't have – lack of support system.
Southwest Regional Water District	Minimal potential impact.
St. Clair Township	Our older neighborhoods and rural areas routinely see power outages due to downed trees.
Talawanda School District	Housing of staff and students is a concern. Loss of electricity is a concern.
The Health Collaborative	Infrastructure vulnerability for hospitals/healthcare buildings and health of those affected – including electricity/generators, the health and safety of those working in a hospital and seeking treatment.
West Chester Township	Many homes and structures that are in high points in the township, some have lightning protection. Large communities of residential homes. Increase in severity/frequency.

Organization	Vulnerability Assessment Response to Flooding
Butler County Board of Developmental Disabilities	We serve a very vulnerable population – persons with developmental disabilities. Physical, medical, behavioral support needs are unique and can be challenging. This hazard could heighten the population we serve’s vulnerability.
Butler County Historical Society	Being a block from the Great Miami, my faith is in the MCD. Not concerned about flooding. However, if 1913 happens, we would be wiped out.
Butler County Soil and Water Conservation District	Our office will get many calls about people’s property flooding. This causes an increase in our field calls and reporting. Also impacts the water quality of our streams, fields, etc.
Butler County United Way	The location of our office is near the river in German Village.
Cleveland Cliffs Middletown Works	Low lying areas and homes with basements are at risk to flooding. Flooding of low-lying areas surrounding buildings.
Council on Aging of Southwestern Ohio	Seniors living alone or in senior buildings need special assistance if damage in home or area.
Edgewood City Schools	Community areas and buildings near areas that are often impacted by high water – roads, roundabouts, etc.
Fairfield City Schools	In relative proximity to the Great Miami River which levels are controlled by many dams.
Fairfield Township	Older neighborhood infrastructure.
Hamilton City School District	We have not had an issue with flooding in the 12 years I've worked for the school district.
Liberty Township	Liberty Township is a suburban neighborhood that is relatively flat. It does have a creek that runs through it, that does flood occasionally at two street crossings. We have not performed an assessment to determine a fix. It is assumed larger bridge crossings would alleviate the flooding. We have a trailer park that is susceptible to flooding several times per year. This results in a high hazard environment for the residents and first responders.
Miami Conservancy District	Increased erosion, wear, or other problems with flood protection systems. Unprotected areas can flood.
Reily Township	Indian Creek corridor.
Shared Harvest Foodbank	Difficulties with evacuation.
Southwest Regional Water District	Minimal potential impact.
St. Clair Township	Several areas see flooding because of poor stormwater drainage: 1) 2000 "block" of Jackson Road; 5100 block of Augsperger; 2600 block of Weher; roundabout at Riverside/Busenbark. Many of our residents are on septic systems. Localized flooding sometimes puts the systems underwater, causing overflow and release of raw sewage, triggering a health hazard.
Talawanda School District	None at this time
The Health Collaborative	Infrastructure vulnerability for hospitals/healthcare buildings and health of those affected – including electricity/generators, the health and safety of those working in a hospital and seeking treatment. Ability of fire departments to conduct rescues, potential for increase in patients resulting in infectious diseases. Hospitals being flooding and unable to care for patients/operate units.
West Chester Township	Due to constant construction of new neighborhoods, comprehensive watershed has not been conducted, thus flooding out older neighborhoods. Several businesses impacted by extreme water flow through creek along Windisch Road. There has been an increase in properties impacted.

Organization	Vulnerability Assessment Response to Extreme Temperatures
Butler County Board of Developmental Disabilities	We serve a very vulnerable population – persons with developmental disabilities. Physical, medical, behavioral support needs are unique and can be challenging. This hazard could heighten the population we serve’s vulnerability.

Organization	Vulnerability Assessment Response to Extreme Temperatures
Butler County Historical Society	Problem only for extended power outages. Our collection, especially furniture and paper, is impacted by freezing and extreme humidity.
Butler County Regional Transit Authority	Should have little to no impact.
Butler County United Way	Old building – sometimes HVAC cannot keep up.
Cincinnati Financial Corporation	People. Drastic swing outside normal trends.
Cleveland Cliffs Middletown Works	Power availability to keep A/C units/Furnaces running during extreme weather is a concern. Hot mills get hotter and can result in personnel issues, overheating equipment/shut down of equipment.
Council on Aging of Southwestern Ohio	Seniors living alone or in senior buildings need special assistance if damage in home or area. Communication between Council on Aging and Emergency Management to quickly respond to health and safety of COA clients.
Edgewood City Schools	Students, also impacting transportation and time spent outside.
Hamilton City School District	All of our buildings have heat and AC. This would only be a concern if we lost power, or we had a major mechanical failure.
Molson Coors	Heat related illness for outside employees.
Public Utilities Commission of Ohio	Power consumption. Increased power loading on grid.
Shared Harvest Foodbank	Households with little resources typically live in housing with no A/C or window units that they don't run for concern about increased utility costs.
Southwest Regional Water District	Extreme heat would have a minimal impact, but low temperatures could hinder district's ability to function.
St. Clair Township	Some neighborhoods are impoverished and might not have proper HVAC devices in the homes.
Talawanda School District	Schools could be cooling centers as well as temporary shelter during an emergency but are we (the school) prepared?
The Health Collaborative	Additional patients at hospitals/need for cooling and warming centers, electricity issues at healthcare facilities.
West Chester Township	Much reliance on power grid that has been known for rolling blackouts due to over reliance in the heat. East side of town has many elderly citizens. Large population within jurisdiction.

Organization	Vulnerability Assessment Response to Severe Winter Storms
Butler County Board of Developmental Disabilities	We serve a very vulnerable population – persons with developmental disabilities. Physical, medical, behavioral support needs are unique and can be challenging. This hazard could heighten the population we serve's vulnerability.
Butler County Historical Society	Concern is ice build-up. Having gone through several severe ice storms, my biggest concern is damage due to long power outages. Many of the artifacts at the museum are affected by extreme temperature changes, especially antique furniture as wood will crack if it freezes.
Butler County Regional Transit Authority	Could cause disruption of service as of today. We suspend service at a Level 3 snow emergency.
Butler County United Way	If the city is unable to keep up with clearing roads, we are unable to get to the office. However, we do have the option to work from home.
Cincinnati Financial Corporation	People, buildings/corporate offices, offsite facilities. More drastic events.
Cleveland Cliffs Middletown Works	City Services need to be available to clear roads and response to those needing assistance. Access to the mill for employees and ability to transport product to and from buildings.

Organization	Vulnerability Assessment Response to Severe Winter Storms
Council on Aging of Southwestern Ohio	Seniors living alone or in senior buildings need special assistance if damage in home or area. Communication between Council on Aging and Emergency Management to quickly respond to health and safety of COA clients.
Edgewood City Schools	Transportation, staff/student safety.
Fairfield City Schools	We transport thousands of students daily, and winter storms have an impact on safety concerns. The schools are not as often due to snow though.
Fairfield Township	Additional staffing was added to reduce the impacts of winter storms in the township.
Greater Hamilton Chamber of Commerce	Loss of power, bursting pipes for our building and local businesses. Plumbing freezes can cause damages for dozens of local businesses.
Hamilton City School District	Power outages are always a concern. We always try to make the right decision about whether or not to cancel school.
Public Utilities Commission of Ohio	Power consumption, electric grid, water systems – freezing. Increased power loading on grid.
Reily Township	Dwellings are scattered.
Shared Harvest Foodbank	No reserves of food or water. Relying on unorthodox heating sources such as a stove or indoor fire pit. Shorter winters, less precipitation.
Southwest Regional Water District	Low temperatures is an issue. Tanks can freeze, and services can be affected.
St. Clair Township	The severely impoverished have gone without heat.
Talawanda School District	Loss of electricity, teenage drivers, bus transportation are concerns for students and staff.
The Health Collaborative	Additional patients at hospitals/need for cooling and warming centers, electricity issues at healthcare facilities.
West Chester Township	The speed at which some storms produce snow has made snow removal delayed. Major highway (I-75) transportation route.

Organization	Vulnerability Assessment Response to Earthquakes
Butler County Board of Developmental Disabilities	We serve a very vulnerable population – persons with developmental disabilities. Physical, medical, behavioral support needs are unique and can be challenging. This hazard could heighten the population we serve's vulnerability.
Butler County Historical Society	Depends on the magnitude of the earthquake. Our main building was built in 1863.
Butler County Soil and Water Conservation District	Could have some structural damage to the office building if one occurred.
Cincinnati Financial Corporation	People, buildings/corporate offices, offsite facilities, infrastructure
Cleveland Cliffs Middletown Works	Damage to facility, breakdown of underground plumbing and chemical release.
Council on Aging of Southwestern Ohio	Unsure.
Edgewood City Schools	Infrastructure, staff/student safety in buildings.
Fairfield City Schools	We educate 9,500 students daily, so 1 earthquake could hit a high concentration of people.
Greater Hamilton Chamber of Commerce	A lot of brick and mortar buildings would collapse.
Hamilton City School District	Unknown what effect an earthquake would have on the buildings.
Miami Conservancy District	Can impact dam/levee stability or major damages that would require repairs prior to high waters or floods.
Molson Coors	Chemical release/structure type would be vulnerable.
Public Utilities Commission of Ohio	Pipelines, underground electric lines.
Shared Harvest Foodbank	No emergency plan.
Southwest Regional Water District	Water mains could not withstand the shaking of an earthquake.
St. Clair Township	There's no more/less risk here than elsewhere in the County.

Organization	Vulnerability Assessment Response to Earthquakes
Talawanda School District	Unknown.
West Chester Township	Very few buildings built to earthquake standard. Many newer buildings are being built of wood frame and are 5 stories tall. Little resistance to damage.

Organization	Vulnerability Assessment Response to Drought
Butler County Board of Developmental Disabilities	We serve a very vulnerable population – persons with developmental disabilities. Physical, medical, behavioral support needs are unique and can be challenging. This hazard could heighten the population we serve’s vulnerability.
Butler County Soil and Water Conservation District	Not applicable directly to our organization. But, the agricultural community we serve can see crops die, limited water to care for crops, etc.
Cleveland Cliffs Middletown Works	Updated farming techniques and equipment need to be available to assist with extreme weather. We need water to run process and cool equipment.
Council on Aging of Southwestern Ohio	Not directly vulnerable.
Edgewood City Schools	Significant farmland within the community.
Hamilton City School District	I'm not familiar enough with the cities infrastructure to know how that would effect our schools and city.
Public Utilities Commission of Ohio	Water system consumption.
Shared Harvest Foodbank	Fewer food resources due to poor crop production. Hotter, drier, longer summers.
Southwest Regional Water District	Would increase sales for the district.
St. Clair Township	Low risk, but agriculture would be adversely affected.
Talawanda School District	Our buildings are next to open fields. Drought can lead to fire.

Organization	Vulnerability Assessment Response to Dam/Levee Failure
Butler County Board of Developmental Disabilities	We serve a very vulnerable population – persons with developmental disabilities. Physical, medical, behavioral support needs are unique and can be challenging. This hazard could heighten the population we serve’s vulnerability.
Butler County Soil and Water Conservation District	Water quality and flooding concerns.
Butler County United Way	Our office’s location could be inundated in the event of an upstream dam failure.
Cleveland Cliffs Middletown Works	Increase inspections of dams and bridges and power lines can prevent catastrophes.
Fairfield City Schools	There are a lot of dams on the Great Miami River.
Hamilton City School District	I don't think we have any buildings that would be in trouble if this happened, obviously travel and other things to schools could be drastically affected if something like this happened.
Miami Conservancy District	Impact to MCD mission and can cause cascading failures/impacts. Aging infrastructure is requiring more maintenance.
Southwest Regional Water District	Minimal potential impact.
St. Clair Township	In Sharon Park, 252 homes would be affected by levee failure and/or a flood of 1913 proportions. The three dams in the township are low-level structures, but failure could still overwhelm areas that haven’t had severe flooding since the 1913 flood.
Talawanda School District	There is a dam that if failed could possibly affect our schools.
West Chester Township	No close dams to our knowledge. Rise in Millcreek could cause damage to adjacent businesses in the southern portion of township

Organization	Vulnerability Assessment Response to Health-Related Emergencies
Butler County Board of Developmental Disabilities	We serve a very vulnerable population – persons with developmental disabilities. Physical, medical, behavioral support needs are unique and can be challenging. This hazard could heighten the population we serve's vulnerability.
Butler County Historical Society	Covid showed that the entire world was not ready for a pandemic.
Butler County Regional Transit Authority	Could cause reduction in service based on impact to staff. We did not reduce anything during COVID-19.
Butler County Soil and Water Conservation District	Ground water contamination possibility – might get more calls.
Cincinnati Financial Corporation	People.
Cleveland Cliffs Middletown Works	City leaders need cooperation from neighboring communities to assist with all sorts of health-related issues, including crime and fire.
Edgewood City Schools	Education and safety of students.
Fairfield City Schools	Spread occurs at a rapid rate in schools.
Greater Hamilton Chamber of Commerce	We survived COVID better than neighboring communities because of planning and effective communication across agencies and through traditional relationships.
Hamilton City School District	Depending on the health-related emergency, we would likely follow Health Departments recommendations for quarantining etc.
Public Utilities Commission of Ohio	System maintenance/operator health to maintain functions
Reily Township	All residents.
Shared Harvest Foodbank	Low-income populations have difficulty accessing resources. No transportation, no reserves, no childcare, no housing, etc.
Southwest Regional Water District	We need qualified staff available to work. During COVID-19, we were creative in order to protect staff as much as possible.
St. Clair Township	The southern third of our township is separated from our Fire/EMS by 6 miles and the entire city of Hamilton.
Talawanda School District	We have a hospital with limited beds
The Health Collaborative	Additional patients at hospitals/need for cooling and warming centers, electricity issues at healthcare facilities.
West Chester Township	Heat related emergencies will significantly increase without sufficient power grid to sustain the increased buildings and air conditioner use.

Organization	Vulnerability Assessment Response to Hazardous Materials Incidents
Butler County Board of Developmental Disabilities	We serve a very vulnerable population – persons with developmental disabilities. Physical, medical, behavioral support needs are unique and can be challenging. This hazard could heighten the population we serve's vulnerability.
Cleveland Cliffs Middletown Works	Could be the location of a hazardous materials incident with the presence of chemicals.
St. Clair Township	Two railroad mainlines transport hazardous materials through our township. There was a derailment in New Miami just this past winter. My township has two heavily traveled railroad mainlines: one CSX and one Norfolk Southern, both of which transport hazardous materials. Also, one of our neighborhoods, Cedar Grove, stands a high risk of being cut off from Fire/EMS/Rescue or even escape in the event of a derailment.
Talawanda School District	Train tracks are about 100 feet away from high school/2 administrative buildings and Biological/Chemical Storage at Miami University which is near Kramer, THS, TMS, and 2 administrative buildings

Changes in Development Form Responses

In addition to the jurisdictions completing the Changes in Development form, all stakeholders invited to participate in the planning process were invited to submit responses to how the physical planning area and policies have changed in terms of development since the previous plan was created. The responses provided by stakeholders during the planning process are presented in the following table.

TABLE 9 BUTLER COUNTY CHANGES IN DEVELOPMENT STAKEHOLDER FORM RESPONSES

Organization	Changes in Development Response
Public Utilities Commission of Ohio	No significant changes.
Butler County Board of Developmental Disabilities	The increased awareness of health emergencies are new to our vulnerable population in the past five years. Our agency serves a very vulnerable population of persons with developmental disabilities. This has increased awareness with our local health departments, which has been wonderful.
Butler County Department of Development	There have not been any significant changes in vulnerability to date.
Butler County Engineers	In the past five years, we have developed many more roadway infrastructure due to a developing/progressive county. There are several subdivisions with retention/detention basins. 400+ subdivisions that the county is responsible for maintenance on.
Butler County General Health District	Policy changes at the state level impact local public health's ability to utilize quarantine and isolation as mitigation measures in response to disease outbreaks.
Butler County Historical Society	Unknown. With the development and opening of Spooky Nook, it is still unclear of the effect this will have on German Village, where we are located. We are located 3-4 blocks from the railroad tracks, and with the recent train derailments, our vulnerability to impacts from hazardous material events have increased. When we built our research library in 2012, a bunker was built under the library made of solid concrete. The bunker is useful for tornado shelter as long as the Great Miami River does not flood at the same time and the sub pumps fail due to power failure. There are multiple historical structures throughout the county.
Butler County Regional Transit Authority	No significant changes.
Butler County Soil and Water Conservation District	The overall increase in urban development and hard surfaces has assisted in the increase of calls to our office about erosion, drainage, and flooding issues on properties. The agriculture community is continuing to implement grassed waterways and buffers to assist with stream health and erosions.
Butler County United Way	Not aware of any major changes affecting the agency's vulnerability.
Greater Hamilton Chamber of Commerce	We have had a large increase in the number of businesses in our community. More development, and the addition of Spooky Nook, will increase the number of people/tourists visiting our city each year. Formation of new partnerships during COVID and those conversations continue weekly between county government, visitor's bureau, health departments, EMA, and the business community to be a "ready" team to anticipate by looking at the trends and respond to issues as they arrive. The chamber has the broadest communicative list for social media.
Fairfield Township	Several mitigation activities have been completed. Better regulation of new development. New development is now putting electric and cable underground, reducing severe weather impacts. There is reduced flooding as the several projects that have been completed are directly related to flooding impacts. New residential water management is helping to reduce flooding issues along with several ongoing mitigation activities.

Organization	Changes in Development Response
Liberty Township	Continuing to regulate new development to mitigate hazards by ensuring we are compliant with new regulations and standards.
Reily Township	The only change to the township is more houses and dwellings that have been built. There have not been any impacts from these residential additions.
St. Clair Township	No big changes in development. However, natural waterways (Four Mile and Seven Mile Creeks, etc.) are changing course. There is uncertainty in what the options are to protect people and property in the township. Unplanned development near the Jackson Ditch has impeded stormwater flow to the Great Miami River. Freight trains have become much longer, increasing the risk of blocked crossings and of derailment, and transport a higher volume of hazardous materials.
West Chester Township	Significant increase in taller buildings and multifamily buildings. Significant population density shift due to multiple apartment buildings and hotels. There is a continued development of large industrial warehouses/areas. Development of businesses/properties along Windisch Road which have been impacted by creek flow/overflow when extreme rainfall events occur. There is an increased population due to increasing residential development.
Edgewood City Schools	There are no significant changes in development. However, there are very significant hazard concerns around proximity to rail lines that often carry hazardous materials. Impacts on transportation and safety in the event of a derailment.
Fairfield City Schools	Our structures and operations have not changed over the past 5 years.
Talawanda School District	We are seeing increased traffic especially when Miami University students are in session. Our high school has only one way in and out. New subdivisions are being built resulting in increased traffic and students. Increased trains on tracks. Unknown storage of chemicals/biologics at Miami University. Increased threats and false reports to schools. Increased national shootings in schools. Health policies regarding health issues and spread of disease have changed. Our buildings themselves have not changed, therefore we haven't mitigated or increased our vulnerability to hazard impacts.
Cincinnati Financial Corporation	Our organization stays in tune with policy changes and makes changes to be able to address and minimize the current vulnerabilities. As an organization, we are very proactive in our approach to assessing and managing risk to mitigate our exposures. There are not really any significant changes.
Cleveland Cliffs	Cleveland Cliffs has adopted multiple policies to lessen the potential negative environmental issues that could occur in severe situations; including the removal of dangerous chemicals (anhydrous ammonia), hazardous chemicals (TWI), hazardous water, and PM10/PM2.5.
Miami Conservancy District	Development or mining obstructions in the floodplain have impacted the agency's level of protection. This can reduce levee freeboard or reduce channel capacity.
Southwest Regional Water District	Ohio EPA has updated their contingency planning requirements. We have given Butler EMA a copy of our updated plan. We revisit our plan on a regular basis.
The Health Collaborative: Tri-State Disaster Prep Coalition	With COVID, there have been numerous changes to our EOPs and the creation of new leadership groups. Our coalition team has also moved to complete remote work. There have also been policy changes to term definitions within response capabilities, communication, and changes at hospital-level capacity definitions, including new virtual platforms for responses. Including cybersecurity increases/threats which can impact healthcare/emergency responses. Changes in population, economic stability, and the environment are causing responses to hazard events to be longer. With new technology, sometimes responses can be more detailed/lengthy, especially with the resources needed.
Molson Coors	The brewery is well maintained – safety systems are up to date, more trained for emergency responses. Overall, no major changes.

Organization	Changes in Development Response
Shared Harvest Foodbank	Increased refrigeration space to store perishable food, and we have increased our fleet of refrigerated trucks with liftgates to seven. We built a secondary food processing and distribution center – 14,000 square feet – located in Fairfield. We have built a network of food distribution partners located throughout the county, strategically positioned to serve vulnerable populations (learnings from COVID-19 applied). Developed processes to efficiently and effectively conduct mass drive-through food distributions.

Capability Assessment Form Response

This section identifies the stakeholders who submitted a response to the capability assessment form, including the planning and regulatory, administrative/technical, and fiscal capabilities to augment known issues and weaknesses related to the identified natural hazards.

The identified capabilities for each stakeholder can be expanded upon with the proper influx of funds or personnel. If additional funding becomes available to specifically augment the existing capabilities, the stakeholders represented in this plan would be able to improve their capabilities. Additionally, as personnel leave, they may be replaced by individuals with skillsets not captured in these surveys. The organizations and agencies will continue to develop its staff capabilities over time and expand upon them where they are able.

Planning and Regulatory Capability: The table below summarizes each respondent's planning and regulatory capabilities. These are the plans and policies that organizations have in place that can help to further mitigation. UD denotes that the planning or regulatory is currently under development for the stakeholder.

TABLE 10 BUTLER COUNTY PLANNING AND REGULATORY CAPABILITY ASSESSMENT STAKEHOLDER FORM RESPONSES

[illegible]

Administrative and Technical Capability: The table below summarizes the administrative and technical capabilities, organized by staff type and department. It is important to understand current administrative and technical capabilities before developing a myriad of mitigation activities.

**TABLE 11 BUTLER COUNTY ADMINISTRATIVE AND TECHNICAL CAPABILITY ASSESSMENT
STAKEHOLDER FORM RESPONSES**

[illegible]

Fiscal Capability: This section identifies the financial tools or resources that organizations could potentially use to help fund mitigation activities. Fiscal capabilities include specific resources as well as state and federal resources.

TABLE 12 BUTLER COUNTY FISCAL CAPABILITY ASSESSMENT STAKEHOLDER FORM RESPONSES

Tool/Program	West Chester Township	Cincinnati Financial Corporation	Cleveland Cliffs	Butler County Historical Society	The Christ Hospital – Liberty	UC Health – West Chester Hospital	Butler County Educational Service Center	Fairfield City School District	Shared Harvest Foodbank	Liberty Township	Reily Township	St. Clair Township	Talawanda School District	Fairfield Township	TriHealth	The Health Collaborative	Southwest Regional Water District	Edgewood City School District	Butler County United Way
Capital Improvement Planning	X	X		X				X	X				X		X		X		X
Community Development Block Grant (CDBG)	X			X			X		X	X	X	X		X					
Development Impact Fees									X										
Gas/Electric Utility Fees																	X		
General Obligation, Revenue, and/or Special Tax Bonds		X	X	X	X	X	X					X					X		
Partnering Arrangements or Intergovernmental Agreements	X	X	X	X			X		X	X		X	X	X		X	X	X	
Special Purpose Taxes	X						X			X	X	X				X			
Stormwater Utility Fees																			
Water/Sewer Fees												X					X		
Other																X*			

X* = Membership fees, federal grant funding

Self-Assessment of Capability: The table below shows each stakeholder's estimated degree of capability.

TABLE 13 OVERALL DEGREE OF CAPABILITY

Area	West Chester Township	Cincinnati Financial Corporation	Cleveland Cliffs	Butler County Historical Society	The Christ Hospital - Liberty	UC Health - West Chester Hospital	Butler County Educational Service Center	Fairfield City School District	Shared Harvest Foodbank	Liberty Township	Talawanda School District	Fairfield Township	Reily Township	St. Clair Township	TriHealth	The Health Collaborative	Southwest Regional Water District	Edgewood City School District	Butler County United Way
Planning and Regulatory Capability	L	H	H	L	L	M	M	M	H	H	L	L	L	L	H	M	H	L	L
Administrative and Technical Capability	L	H	H	L	L	M	M	M	H	H	L	L	L	M	M	H	H	L	M
Fiscal Capability	L	H	H	L	L	M	H	L	H	H	L	L	L	L	L	L	H	L	M

L = Limited, M = Moderate, H = High

