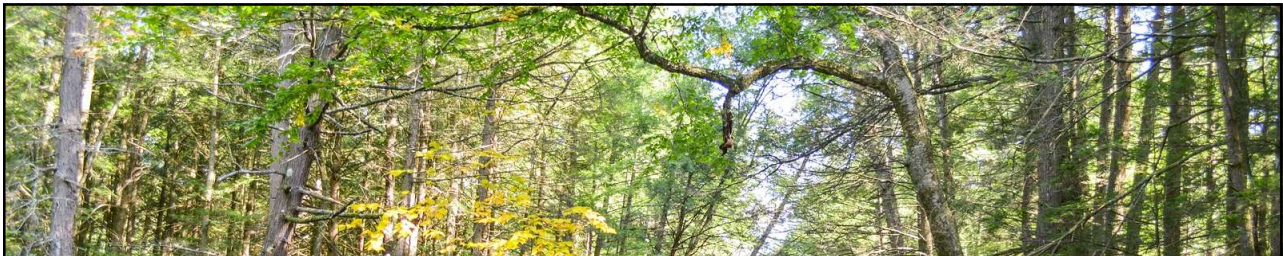




Broome County Multi-Jurisdictional Hazard Mitigation Plan 2024 Update

Planning Partnership
Kick-Off Meeting
July 19, 2023 | 1:00 pm

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Today's Agenda

1. Welcome and Introductions
2. Hazard Mitigation Planning Overview
3. Project Organization
4. Planning Partnership Responsibilities
5. Planning Process Overview
6. Schedule
7. Questions/Next Steps/Wrap Up



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Hazard Mitigation Overview

Mitigation planning happens before a disaster strikes. It results in safer, more resilient communities – reducing risk for the residents, businesses, and critical services in Broome County.

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Hazard Mitigation Planning Overview



Tt TETRA TECH

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

- 1) What is hazard mitigation?
- 2) Why update the plan?
- 3) What's new for the 2024 HMP?
- 4) What is the process?

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What is Hazard Mitigation?

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

-or-


Any action taken to reduce future disaster losses

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

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Why Update?

- The mitigation plan update will:
 - Help prepare for and mitigate hazards
 - Eligibility for pre- and post-disaster mitigation funding
 - Since 2005, Broome County received over \$32 million in FEMA funding
 - Incorporate new FEMA requirements
 - Support CRS participation/rating
- What is at risk in Broome County?
- Which hazard do you think occurred the most since 2019?
 - **Scan this code to vote!** 


January 2019 – July 2023	
Hazard	Occurrences
Drought Conditions	41
Earthquake	0
Extreme Temperature (heat/cold)	2
Flood	35
Severe Weather	213
Severe Winter Weather	12
Wildfire	9
TOTAL	312






Sources: NOAA NCEI 2023; NYSDEC 2023; USGS 2023; USDM 2023

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Differences from the 2019 Planning Process



-  Involvement – engaged and actively participating
-  Public and stakeholder outreach
-  Socially vulnerable and underserved communities
-  Climate change
-  Mitigation actions for every hazard of concern

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Project Organization

Working with individuals, agencies, neighboring jurisdictions, businesses, and other partners for a successful mitigation planning process.

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Letters of Intent to Participate



Jurisdiction	LOIP Received?	Jurisdiction	LOIP Received?
Barker	X	Lisle (T)	
Binghamton (C)	X	Lisle (V)	
Binghamton (T)	X	Maine	
Chenango	X	Nanticoke	X
Colesville	X	Port Dickinson	X
Conklin	X	Sanford	X
Deposit	Not Participating	Triangle	
Dickinson		Union	X
Endicott	X	Vestal	X
Fenton	X	Whitney Point	
Johnson City	X	Windsor (T)	X
Kirkwood		Windsor (V)	X

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How Do You Participate?




- Assist with the update of your jurisdictional annex
- Attend planning partnership meetings/workshops – like this one!
- Provide data and information in a timely manner
- Support public and stakeholder outreach in your jurisdiction
- Review and provide feedback on Draft and Final Plan documents
- Facilitate the adoption process – governing body must pass an Adoption Resolution
- Implement and Maintain the Plan

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Planning Process Overview

A well-defined planning process is essential to the success of Broome County's HMP Update.

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Planning Process Overview

TETRA TECH

- 1 Organizing the Planning Effort
- 2 Profile the Community and Existing Conditions
- 3 Select, Profile, and Evaluate Impacts of Hazards of Concern
- 4 Assess Capabilities and Integrate Resources
- 5 Develop the Mitigation Strategy
- 6 Establish the Plan Maintenance Process
- 7 Draft and Submit the Plan
- 8 Adopt the Plan

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Project Organization





Core Planning Team
Broome County
Planning
Tetra Tech



Steering Committee

Planning Partnership





Stakeholders



FEMA
Homeland Security & Emergency Services


NYSDHSES and FEMA




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Public Involvement Strategy

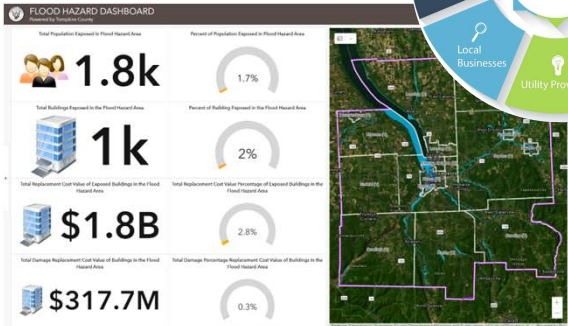


- **Public Outreach Toolkit**
 - Social media templates and posts
 - Press release templates
 - Printable materials
- **Surveys**
 - Stakeholders
 - Neighboring communities
 - Public
- **County Website**
- **StoryMap**




Stakeholders

- Non-Profits
- Senior Services
- Emergency Responders
- Chambers of Commerce
- Utility Providers
- Local Businesses
- Neighboring Communities
- Colleges and Universities



FLOOD HAZARD DASHBOARD	
Presented by Tetra Tech	
Total Replacements Reported in Flood Hazard Area	Percent of Replacements Reported in Flood Hazard Area
1.8k	1.7%
Total Buildings Reported in the Flood Hazard Area	Percent of Buildings Reported in the Flood Hazard Area
1k	2%
Total Replacement Cost Value of Exposed Buildings in the Flood Hazard Area	Total Replacement Cost Value Percentage of Exposed Buildings in the Flood Hazard Area
\$1.8B	2.8%
Total Damage Replacement Cost Value of Buildings in the Flood Hazard Area	Total Damage Percentage Replacement Cost Value of Buildings in the Flood Hazard Area
\$317.7M	0.3%




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Phase 2 - Profile the Community and Existing Conditions



- **Data collection and inventory assets**
- **Update critical facility/community lifeline inventory**
 - Critical Facilities provide essential services to the community, especially before, during, and after a disaster.
 - Community Lifelines provide services that allow continuity of operations of critical business and government functions, and crucial to health and safety of residents.




A lifeline enables the continuous operation of **critical government and business functions** and is essential to **human health and safety** or **economic security**.




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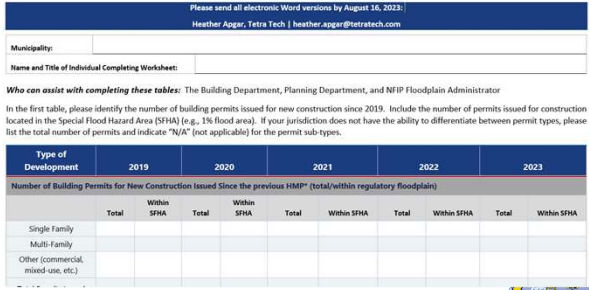
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New and Future Development



- Where is development occurring in your municipality?
 - Provide input online - <https://arcg.is/1K5LKz>
- How many NEW building permits have you issued since 2019?
 - Complete the worksheet you received today







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Phase 3 - Risk Assessment Tt TETRA TECH

- Review and update list of hazards of concern
- Update hazard profiles
- Complete risk assessment
- Review risk assessment results with Steering Committee and Planning Partnership

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Hazards of Concern Tt TETRA TECH

Dam/Levee Failure

Disease Outbreak

Drought

Earthquake

Extreme Temperature

Flood

Infestation & Invasive Species

Severe Weather

Severe Winter Weather

Wildfire


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EXERCISE

Confirming Hazards of Concern


- **Looking at the hazards included in the 2019 plan...**
 - Have additional hazards impacted the County since 2019?
 - Have hazards been mitigated and no longer cause damage?
 - Should hazards be regrouped to align with the current NYS HMP?
 - Should additional hazards be included?
- **How have hazards affected the county?**
- **Where are your problem areas?**
- **Input needed!**
 - Refer to the worksheet we provided at the start of the meeting. Complete the worksheet or the online form.




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Hazard Event History

- We need to know how events have impacted your community over the last 5 years
- Where are your problem areas?
- Complete the worksheet or the online form
- Input due by August 16th





Broome County Hazard Event History

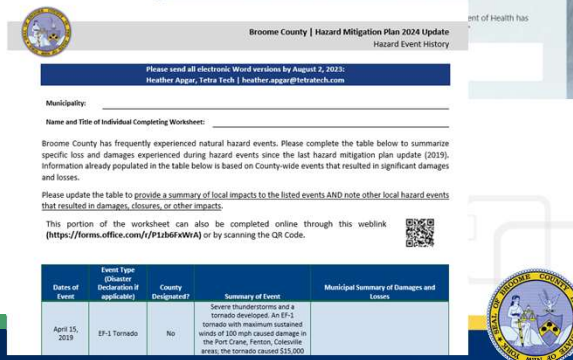
Broome County has frequently experienced natural hazard events. Please complete the table below to summarize specific loss and damages experienced during hazard events since the last hazard mitigation plan update (2019). Information already populated in the table below is based on County-wide events that resulted in significant damages and losses.

Underneath each event description, please provide a summary of local impacts from event. If this event did not impact your jurisdiction, please enter "No damages or losses sustained".

* Required

1. April 15, 2019: Severe thunderstorms and a tornado developed. An EF-1 tornado with maximum sustained winds of 100 mph caused damage in the Port Crane, Ferron, Colesville areas; the tornado caused \$15,000 in property damages.

Enter your answer



Broome County | Hazard Mitigation Plan 2024 Update
Hazard Event History

Please send all electronic Word versions by August 2, 2023.
Heather Appur, Tetra Tech | heather.appur@tetratech.com

Municipality: _____

Name and Title of Individual Completing Worksheet: _____

Broome County has frequently experienced natural hazard events. Please complete the table below to summarize specific loss and damages experienced during hazard events since the last hazard mitigation plan update (2019). Information already populated in the table below is based on County-wide events that resulted in significant damages and losses.

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

This portion of the worksheet can also be completed online through this weblink (<https://forms.office.com/r/P1ab6fXWA>) or by scanning the QR Code.

Date of Event	Event Type (Qualifier Declaration if applicable)	County Designated?	Summary of Event	Municipal Summary of Damages and Losses
April 15, 2019	EF-1 Tornado	No	Severe thunderstorms and a tornado developed. An EF-1 tornado with maximum sustained winds of 100 mph caused damage in the Port Crane, Ferron, Colesville areas; the tornado caused \$15,000	

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Phase 4 – Capabilities and Integration



- Review existing capabilities and identify how each reduces risk and if it incorporates elements of the HMP
- Describe current and future integration process for the County and each jurisdiction

Regulatory

- Current ordinances that integrate mitigation (e.g., local flood damage prevention ordinance, stormwater management, wetlands protection, etc.).

Operational and Administrative

- County/community boards/departments that integrate mitigation in their current processes and how.

Funding

- Funding sources at the local level that may be used to fund mitigation projects.

Education/Outreach

- Current action the County/community is taking to integrate mitigation in their outreach and notifications to residents.

Adaptive Capacity

- Review the County and municipalities' adaptive capacity to deal with the potential impacts of climate change.



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NFIP Questionnaire

- FEMA requires any municipality that participates in the NFIP to provide details on how they implement the NFIP
- Complete the handout or the online form
- Input due by August 16th

The image shows a printed NFIP Questionnaire form and a digital summary page. The form includes fields for Municipality, Name and Title of Individual Completing Worksheet, and Who can assist with completing this table. It also contains a table for Flood Vulnerability Summary with questions about areas prone to flooding, property owners, RiskMAP projects, and substantial damage determinations. The digital summary page shows a form with a required field for contact information and three numbered questions corresponding to the form's sections.

National Flood Insurance Program (NFIP) Summary

Required

1. Please enter your contact information (Name, Title, Department/Agency, Jurisdiction, and Email Address.)

Enter your answer

2. Describe areas prone to flooding in your jurisdiction. Do you maintain a list of properties that have been damaged by flooding?


Enter your answer

3. Do you maintain a list of property owners interested in flood mitigation? If so, how many homeowners and/or business


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Phase 5 – Mitigation Strategy



- Review 2019 mitigation actions
- Review and update goals/objectives
- Problem statements and potential solutions
 - What specific actions will be taken to reduce hazard risk?
- Develop an action plan
 - How will the actions be prioritized and implemented?
 - One mitigation action for every hazard of concern!






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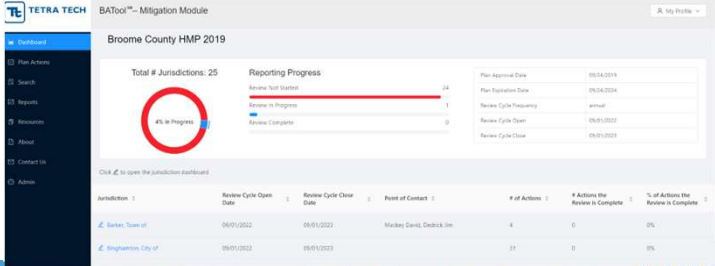
Review Your Previous Mitigation Strategy


BAToolSM Program



- Update the 2019 mitigation actions through the BAToolSM – less paperwork!
- Refresher training for planning partners
- Populate 2024 mitigation actions







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Phase 6 – Plan Maintenance



- Develop a game plan for maintaining the 2024 HMP over the next 5 years
 - How often will you meet to discuss progress on the HMP?
 - How will the County and jurisdictions integrate the HMP?
 - How will you monitor progress on the 2024 mitigation actions?

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Phase 7 – Draft and Submit the HMP



Volume I	Appendices	Volume II
Table of Contents	Sample Adoption Resolution	Planning Team
Executive Summary	Participation Matrix	Jurisdictional Annexes (25)
Introduction	Meeting Documentation	
Planning Process	Public and Stakeholder Outreach	
County Profile	Risk Assessment Information	
Risk Assessment	Mitigation Strategy Support Documentation	
Capability Assessment	Plan Maintenance Tools	
Mitigation Strategies	Linkage Procedures (if applicable)	
Plan Maintenance	Critical Facilities	
Acronyms and Abbreviations		
Glossary		
References		

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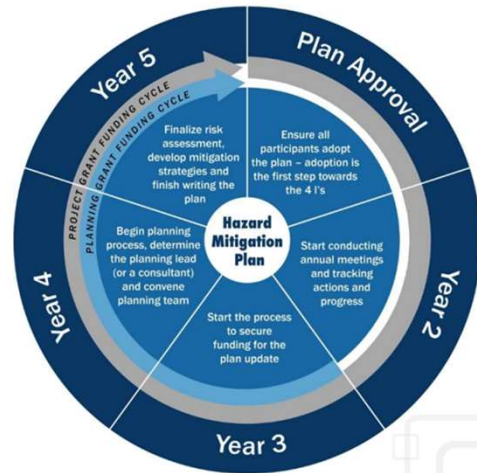


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Phase 8 - Plan Adoption & Integration



- Once FEMA approves the HMP, the County and each jurisdiction will need to adopt the plan
- Begin plan implementation and integration



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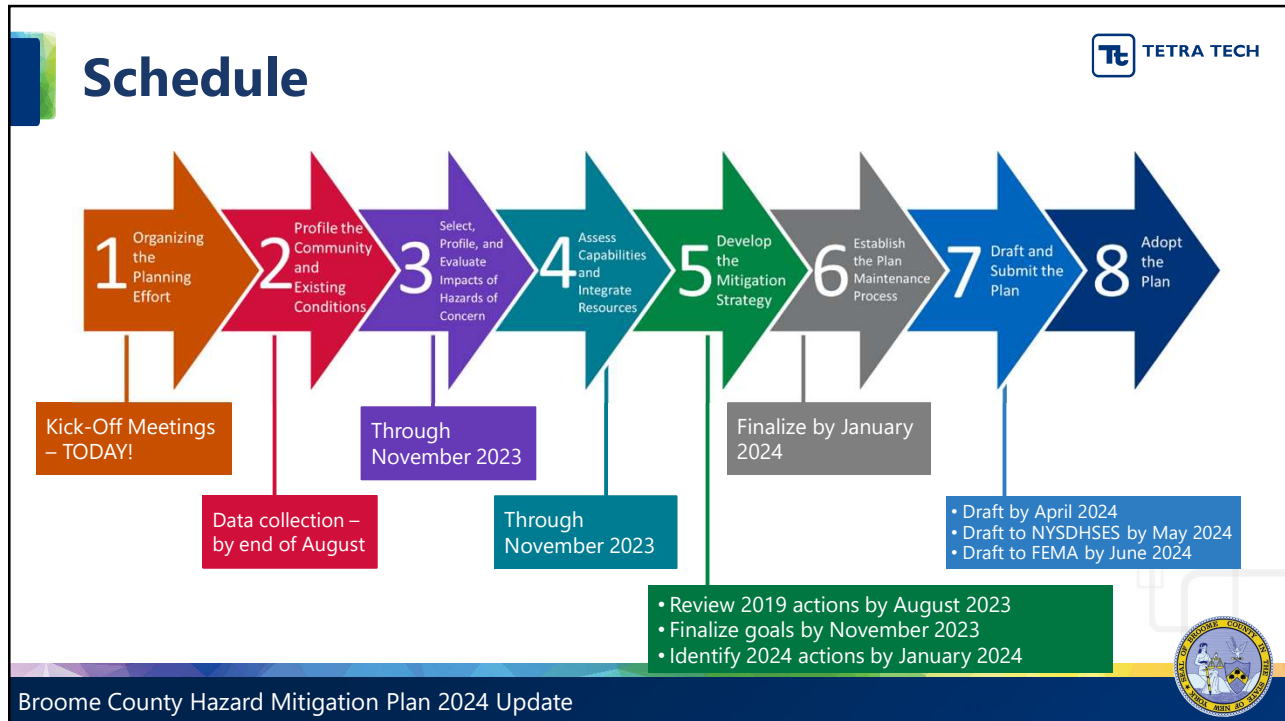
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Project Schedule

Upcoming meetings and key milestones throughout the HMP update process

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Questions?

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Broome County Project Contacts

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Tetra Tech Project Contacts

Heather Apgar, CFM
(973) 630-8046 | heather.apgar@tetrattech.com

Thank
You!