



Monroe County Hazard Mitigation Plan Update Steering Committee Kick-Off Meeting | August 9, 2022



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Agenda

- Welcome and Introductions
- In-Kind Tracking
- Hazard Mitigation Plan Context
- Project Organization
- Hazard Mitigation Planning Overview
- Schedule
- Project Organization
- Steering Committee Responsibilities
- Critical Facilities/Lifelines
- Plans and Reports
- Risk Assessment
- Public and Stakeholder Outreach
- Goals and Objectives
- CRS Integration
- Conclusion and Next Steps



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Introduction

- Opening Remarks
 - Monroe County
 - Roll Call
 - NYSDHSES
 - FEMA



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In-Kind Tracking- FEMA Grant Requirement

Monroe County HMP In-Kind Tracking

In-Kind Tracker

Monroe County received FEMA funding to update the Hazard Mitigation Plan (HMP). To meet the required match, the County will use In-kind services.

Please use this form to document your time spent working on the HMP. This includes attending meeting, conference calls, working on your municipal annex, reviewing sections of the plan, etc.

If you have any questions, please reach out to Chris Huch (chris.huch@tetratech.com | 873.830.8367).

* Name

* Jurisdiction



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Hazard Mitigation – What is it?

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

-or-

Any action taken to reduce future disaster losses

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



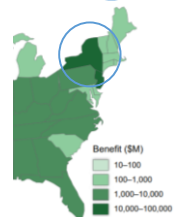
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Hazard Mitigation Works!

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

	National Benefit-Cost Ratio Per Peril <small>(2018 numbers in this study have been rounded)</small>	Federally Funded
Overall Hazard Benefit-Cost Ratio		6:1
Riverine Flood	7:1	
Hurricane Surge	See the 2019 Report	
Wind	5:1	
Earthquake	3:1	
Wildland-Urban Interface Fire	3:1	

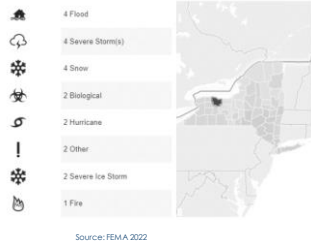
Mitigation saves in every in state! New York State has saved up to \$10 billion in benefits.



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Hazard Mitigation – What’s at Risk?

FEMA Disaster Declaration history in Monroe County
21 disasters since 1953



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Hazard Mitigation – What’s at Risk?

Year of Declaration Date	Declaration Title	Disaster Number
1972	TROPICAL STORM AGNES	338
1973	HIGH WINDS, WAVE ACTION & FLOODING	367
1974	FLOODING (NY'S BARRE CANALS)	304
1976	ICE STORM/SEVERE STORM & FLOODING	494
1991	SEVERE WINTER STORM	898
1993	SEVERE BLEZARD	3109
1998	NY - SEVERE WX, REPT 7, 1998	1244
	SEVERE STORMS AND FLOODING	1196
		1233
1999	SNOW	3138
2000	WEST NILE VIRUS	3155
2001	FIRE AND EXPLOSIONS	1391
2003	ICE STORM	1467
	POWER OUTAGE	3186
2004	SEVERE STORMS AND FLOODING	1534
		1564
2005	HURRICANE KATRINA EVACUATION	2062
2012	HURRICANE SANDY	3351
2017	FLOODING	4348
2020	COVID-19	3434
	COVID-19 PANDEMIC	4480

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Key Components to Hazard Mitigation



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Monroe County and DMA 2000

- The Mitigation Plan Update will:
 - Help the County and all jurisdictions prepare for and mitigate the effects of disasters
 - Continue to allow the County and all participating jurisdictions to be eligible for pre- and post-disaster mitigation funding
 - Support CRS participation/rating of municipalities

A **Local Mitigation Plan** demonstrates the jurisdiction's commitment to reducing risk and serves as a guide for decision makers as they commit resources to minimize the effects of natural hazards.

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Requirements for Local HMP Updates

- Include the opportunity for public comment and for relevant agency and stakeholder involvement
- Updated** Risk Assessment – a factual basis for activities proposed in the Mitigation Strategy section and includes:
 - Overview of hazards (type, location, probability)
 - Vulnerability analysis (impact on buildings, infrastructure, economy, development trends)
 - Multiple jurisdictions (specific to each town/borough/city)
- Updated** Mitigation Strategy – a blueprint for reducing losses identified in the risk assessment
- Plan Maintenance and Adoption Processes

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NYS DHSES Requirements

- Establish Jurisdictional Teams (*aka mitigation planning team*)
- Assess Critical Facilities
- Plan for Displaced Residents
- Plan for Evacuation and Sheltering
- Document Past Mitigation Requirements
- Include Jurisdictional Annexes
- Develop Mitigation Actions (at least 2 Action Worksheets)
- Plan for Climate Change



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What are we focusing on?

- Clearer communication of risk
- Stronger connection between the risk assessment and mitigation strategy
- Integration of plan into county and municipal plans, policies, procedures and decision-making



Monroe County's HMP Update Planning Process

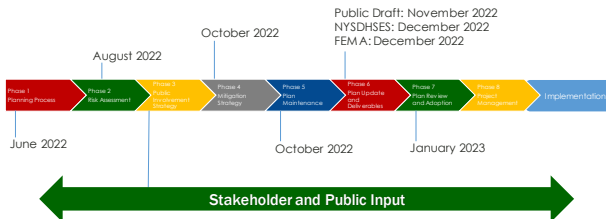


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Planning Process Overview



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Schedule



- **Planning Process**
 - Steering Committee Kick-Off – TODAY!
 - Planning Partnership Kick-Off – August 10, 2022
 - Currently working on reviewing plans, studies, and codes/ordinances
- **Update Risk Assessment**
 - Confirm hazards of concern and begin vulnerability assessment for each
 - Risk Assessment Meeting – September 2022
- **Public Involvement Strategy** – ongoing throughout the planning process
- **Mitigation Strategy**
 - Begin working with the municipalities after the Planning Partnership kick-off
 - Mitigation Strategy Workshop with FEMA and NYS DHSES – October 2022
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Project Organization



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Steering Committee Roles and Responsibilities



PROVIDE GUIDANCE AND LEADERSHIP THROUGHOUT THE PLANNING PROCESS

OVERSEE THE PLANNING PROCESS

ACT AS THE POINT OF CONTACT FOR ALL PARTNERS AND STAKEHOLDERS



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Letters of Intent to Participate (LOIP)

- Letters of Intent to Participate are required from each municipality
- The LOIP outlines expectations and responsibilities for participating jurisdictions and identifies points of contact
- County has distributed the letter with LOIP template to municipal contacts



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Critical Facilities and Lifelines

- Review 2017 CF inventory to ensure complete
- Crosswalk and identify lifelines

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

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



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Lifeline Components

- | | | |
|---|---|--|
| <p>1. Safety and Security</p> <ul style="list-style-type: none"> • Law Enforcement/Security • Fire Service • Search and Rescue • Government Service • Community Safety <p>2. Food, Water, Shelter</p> <ul style="list-style-type: none"> • Food • Water • Shelter • Agriculture <p>3. Health and Medical</p> <ul style="list-style-type: none"> • Medical Care • Public Health • Patient Movement • Medical Supply Chain • Fatality Management | <p>4. Energy</p> <ul style="list-style-type: none"> • Power Grid • Fuel <p>5. Communications</p> <ul style="list-style-type: none"> • Infrastructure • Responder Communications • Alerts, Warnings, and Messages • Finance • 911 and Dispatch <p>6. Transportation</p> <ul style="list-style-type: none"> • Highway/Roadway/Motor Vehicle • Mass Transit • Railway • Aviation • Maritime | <p>7. Hazardous Material</p> <ul style="list-style-type: none"> • Facilities • HAZMAT, Pollutants, Contaminants |
|---|---|--|

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Relevant Plans and Studies

- What recent plans (since 2017) have been developed or are in development by the County or other agencies that should be reviewed for information on hazards and potential hazard mitigation projects?
 - Plan Forward
 - Active Transportation Plan
 - Climate Action Plan
 - Etc.



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Update Risk Assessment

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



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2017 Hazards of Concern

- Drought
- Earthquake
- Extreme Temperatures
- Flood
- Infestation and Invasive Species
- Landslide
- Severe Storm
- Severe Winter Storm
- Wildfire
- Civil Unrest
- Hazardous Materials
- Terrorism
- Utility Failure



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EXERCISE – Identifying Hazards of Concern

In review...

- Have additional hazards impacted the County since 2017 that would warrant a new hazard profile?
 - Disease Outbreak/Pandemic?
- Have hazard been mitigated and no longer cause damage?
- Should hazards be regrouped to align with the 2019 State HMP?
 - Utility Failure
- Should cascading impact hazards be removed?
 - Should non-natural hazards addressed by other planning initiatives be removed?
 - Civil Unrest
 - Terrorism

Hazard	2019 State HMP	2022 HMP	2022 HMP
Fire	Not included		
Flood	Not included		
Gas	Not included		
Global Climate Change	Not included		
Health	Not included		
Industrial	Not included		
Land Use	Not included		
Landfill	Not included		
Leak	Not included		
Marine	Not included		
Power	Not included		
Public Safety	Not included		
Seismic	Not included		
Soil	Not included		
Structural	Not included		
Transportation	Not included		
Utility	Not included		
Water	Not included		

Public and Stakeholder Outreach

- Developed the HMP website to provide information and updates- <https://www.monroecounty.ny.gov/hmp/>
- Social Media
- Stakeholder Survey
- Public Survey
- Neighboring County Outreach
 - Notified of planning process
 - Survey



Goals, and Objectives

According to CFR 201.6(c)(3)(i): "The hazard mitigation strategy shall include a description of mitigation goals to reduce or avoid long-term vulnerabilities to the identified hazards."

Goal	Objective
Goal 1: Coordinate hazard mitigation programs that affect the County.	1.1: Develop and maintain multi-jurisdictional coordination efforts related to hazard mitigation. 1.2: Develop and maintain partnerships with external federal, state, municipal, and stakeholder agencies that have a role in hazard mitigation. 1.3: Track and/or recommend local, county, state, and federal legislation and regulations related to hazard mitigation.
Goal 2: Prevent hazards from impacting life, property, and the environment.	2.1: Develop and maintain local regulations that reduce vulnerability to hazards. 2.2: Develop and maintain local plans that reduce vulnerability to hazards. 2.3: Improve the county's stormwater management systems.
Goal 3: Protect life, property, and the environment from hazard impacts.	3.1: Encourage homeowners, renters, and businesses to insure their properties against all hazards, including flood coverage under the National Flood Insurance Program (NFIP). 3.2: Acquire, relocate, elevate, and/or retrofit existing structures located in hazard areas. 3.3: Acquire, relocate, elevate, and/or retrofit repetitive loss properties from flood-prone areas. 3.4: Encourage local participation in the Community Rating System (CRS) Program. 3.5: Maintain emergency response capability.

Goals, and Objectives

According to CFR 201.6(c)(3)(i): "The hazard mitigation strategy shall include a description of mitigation goals to reduce or avoid long-term vulnerabilities to the identified hazards."

Goal	Objective
Goal 4: Increase public awareness of hazards, their impacts, and ways to reduce vulnerability.	4.1: Improve public alert, warning, and communications systems by promoting redundant and multi-faceted communications methods. 4.2: Conduct a coordinated public information program related to hazards and their impacts throughout the county. 4.3: Encourage residents to implement hazard mitigation and preparedness measures on their properties. 4.4: Promote personal and family preparedness.
Goal 5: Protect, preserve, and restore the functions of natural systems.	5.1: Encourage the use of green and natural infrastructure. 5.2: Coordinate with local, county, state, federal, international, and other stakeholder agencies to maintain natural systems, including wetlands, parks, and riverine and coastal areas.
NEW Goal 6: Address Long-Term Vulnerabilities from High Hazard Dams	6.1: Ensure dam infrastructure is maintained 6.2: Ensure Emergency Action Plans are developed and updated 6.3: Support the identification and access to funding to repair/replace dams.

CRS Integration

- Hazard mitigation plans qualify for CRS points as "Floodplain Management Plans" through Activity 510
- To achieve a Class 4, specific outreach requirements in Activity 510 must be met
- Tetra Tech will structure and document meetings to meet prerequisites for CRS Class 4 and achieve as many points as possible through Activity 510. We will also work with the communities to help them throughout the process.
- Communities still need to meet the other Class 4 prerequisites (e.g. watershed management plan, Activity 610) and present documentation of participation during individual verifications to meet Class 4
- All meetings must be open to the public
- All meetings must be documented on the County's website

Meeting Name	CRS Step
Informal Kick-Off with NJOEM	1
Steering Committee Kick-Off	2
Planning Partnership Kick-Off	3
Public Kick-Off	4
Risk Assessment Presentation and SWOP	Step 2 - held in a flood-prone area within 2 months
SC Meeting #2 - Goals and Objectives	Step 4 - Assess the Hazard
Mitigation Strategy Workshop	Step 5 - Assess the problem
Plan Review Meeting	Step 6 - Set Goals
	Step 7 - Review possible activities
	Step 8 - Draft an action plan

Schedule

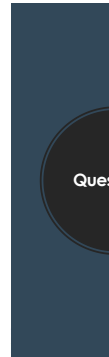
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Steering Committee Next Steps

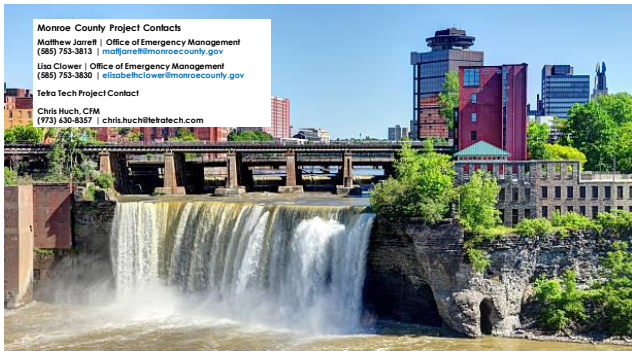
- Planning Partnership Kick-Off (Steering Committee and Municipalities) – August 10th
- Return worksheet to update Goals
- Return worksheet to update Hazards of Concern
- Start tracking In-Kind hours via online survey– to be distributed via email
- Confirm access to OneDrive – access to be provided in separate email
- Steering Committee Risk Assessment Meeting – September 2022
- Risk Assessment Meeting – September 2022
- Mitigation Strategy Workshop – October 2022
- Review Draft Plan



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