



TETRA TECH



Seneca County Multi-Jurisdictional Hazard Mitigation Plan 2024 Update

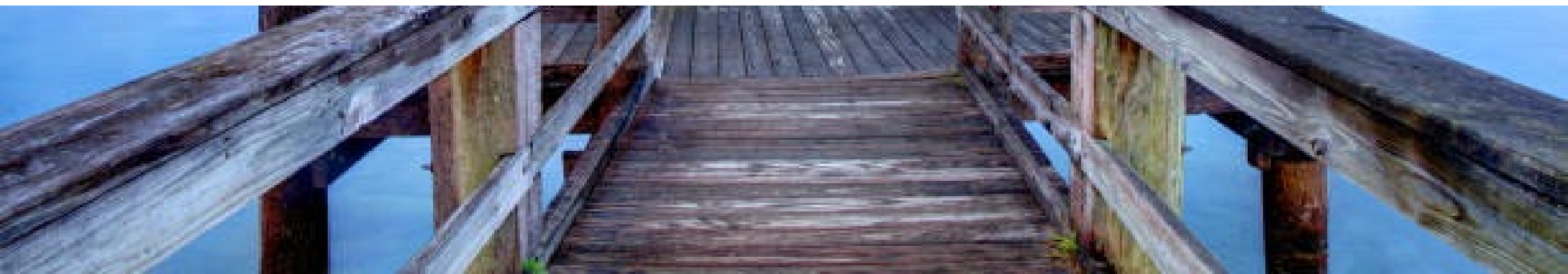
Planning Partnership Kick-Off Meeting

November 2, 2023

While waiting for the meeting to start, please enter your name, title, and department/agency in the chat



Today's Agenda

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



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 Seneca County.

Hazard Mitigation Planning Overview



- ✓ 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

- What is hazard mitigation?
- Why update the plan?
- What is the process?

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).

Why Update?



- The mitigation plan update will:
 - Help prepare for and mitigate hazards
 - Eligibility for pre- and post-disaster mitigation funding
 - Incorporate new FEMA requirements
- What is at risk in Seneca County?
- Which hazard do you think occurred the most since 2018?

January 2018 – July 2023	
Hazard	Occurrences
Blizzard	0
Extreme Cold, Cold/Wind Chill	1
Drought	0
Heat, Excessive Heat	0
Flood/Flash Flood	5
Hail	0
Heavy Rain	0
Hurricane/ Tropical Storm/ Tropical Depression	0
Lightning/ Thunderstorm	12
Tornado/Funnel Cloud	0
Wind	3
Winter Weather	9
Wildfire	0
TOTAL	30

Source: NOAA NCEI Severe Weather Inventory 2023



Differences from the 2018 Planning Process

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





Project Organization

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

Project Organization



Core Planning Team

Seneca County
Office of
Emergency
Management,
Tetra Tech



Steering Committee

Planning Partnership



Stakeholders



FEMA

Homeland
Security &
Emergency
Services



NYSDHSES and FEMA

Planning Partnership Role and Responsibilities

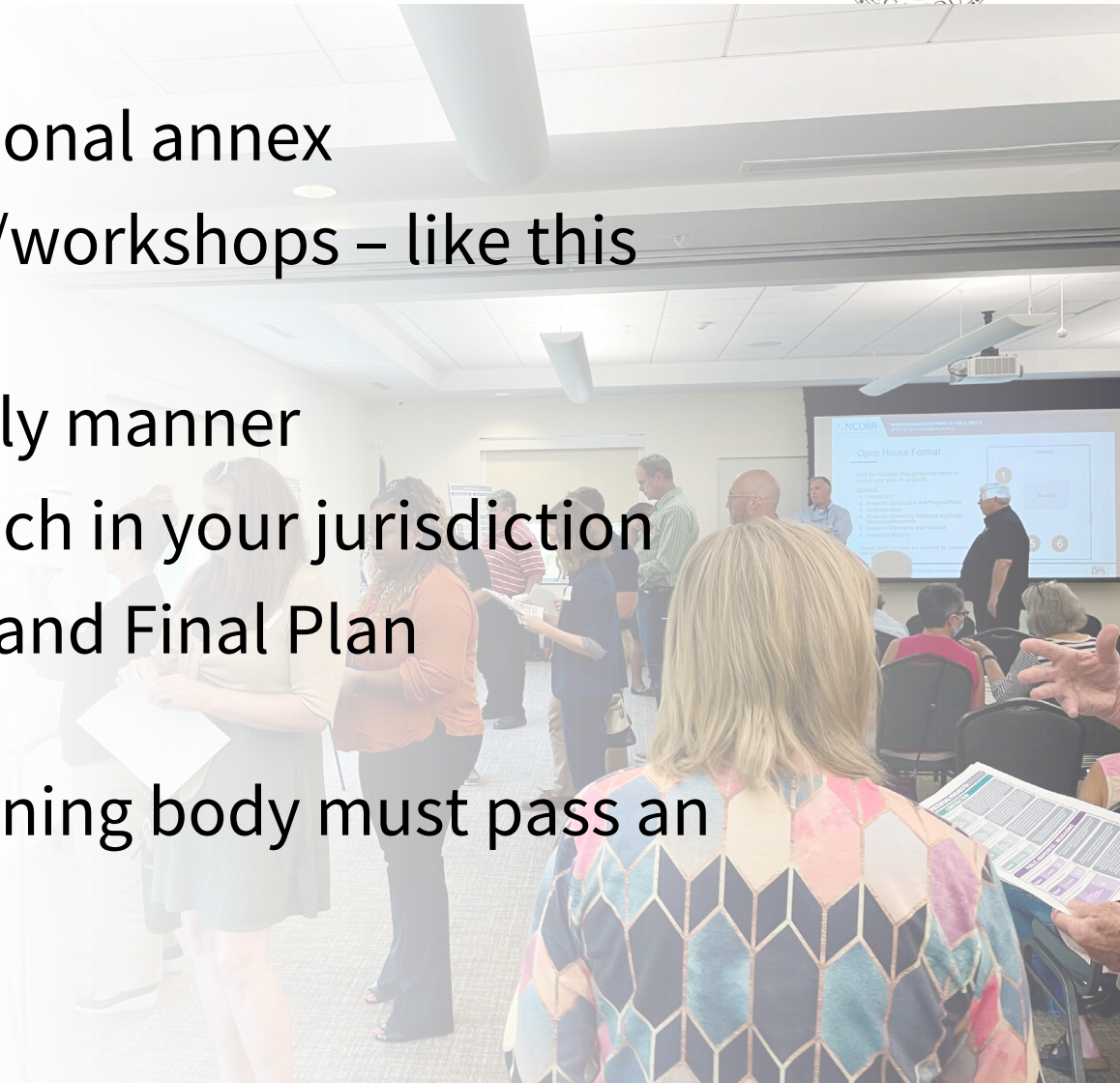


- Actively participate throughout the process –
 - Coordinate and facilitate local efforts
 - Attend meetings
 - Provide information and feedback (e.g., complete municipal worksheets)
 - Involve the public and community stakeholders in the planning process
 - Identify mitigation actions for your community
 - Adopt the plan
 - Implement the plan and monitor its progress
- Provide your points of contact to the County and confirm you will be participating in the 2024 process



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





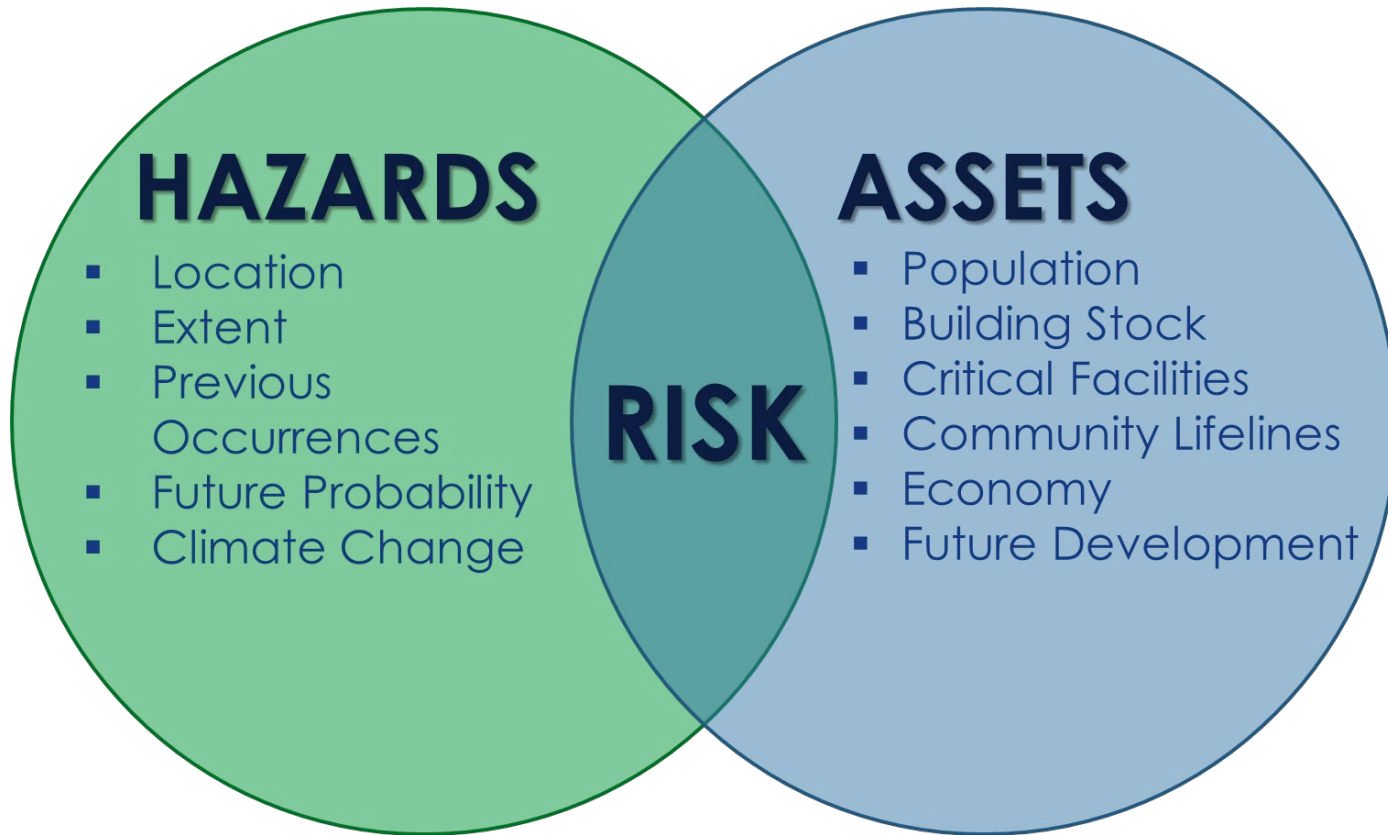
Planning Process Overview

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

Planning Process Overview



Update Risk Assessment



- Update Assets
- Examine Previous Impacts
- Analyze Risks
- Review with Steering Committee
- Risk Assessment Meeting

Hazards of Concern



Dam Failure



Drought



Earthquake



Extreme Temperature



Flood



Landslide



Severe Storm



Severe Winter Storm





Critical Facilities and Community Lifelines

- **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.



Critical Facilities and Community Lifelines



Safety and Security

- Correctional
- Dam
- Daycare
- EOC
- Fire/EMS
- Government / Municipal Hall
- Historic Sites
- Library
- Military
- Police
- School



Food, Hydration, Shelter

- Shelter
- Grocery Stores
- Food Distribution Centers



Health and Medical

- Medical
- Senior Care Facilities



Energy

- Electric Substation
- Power Lines

Critical Facilities and Community Lifelines



Communications

- Communication Towers



Transportation

- Airport
- County Roads
- State Highways
- Light Rail
- Intermodal Transit



Hazardous Materials

- Tier Facilities
- Chemical



Water Systems

- Potable Pump Station
- Wastewater Pump
- Wastewater Treatment Plant
- Water Tower
- Potable Well

Community Lifelines Review



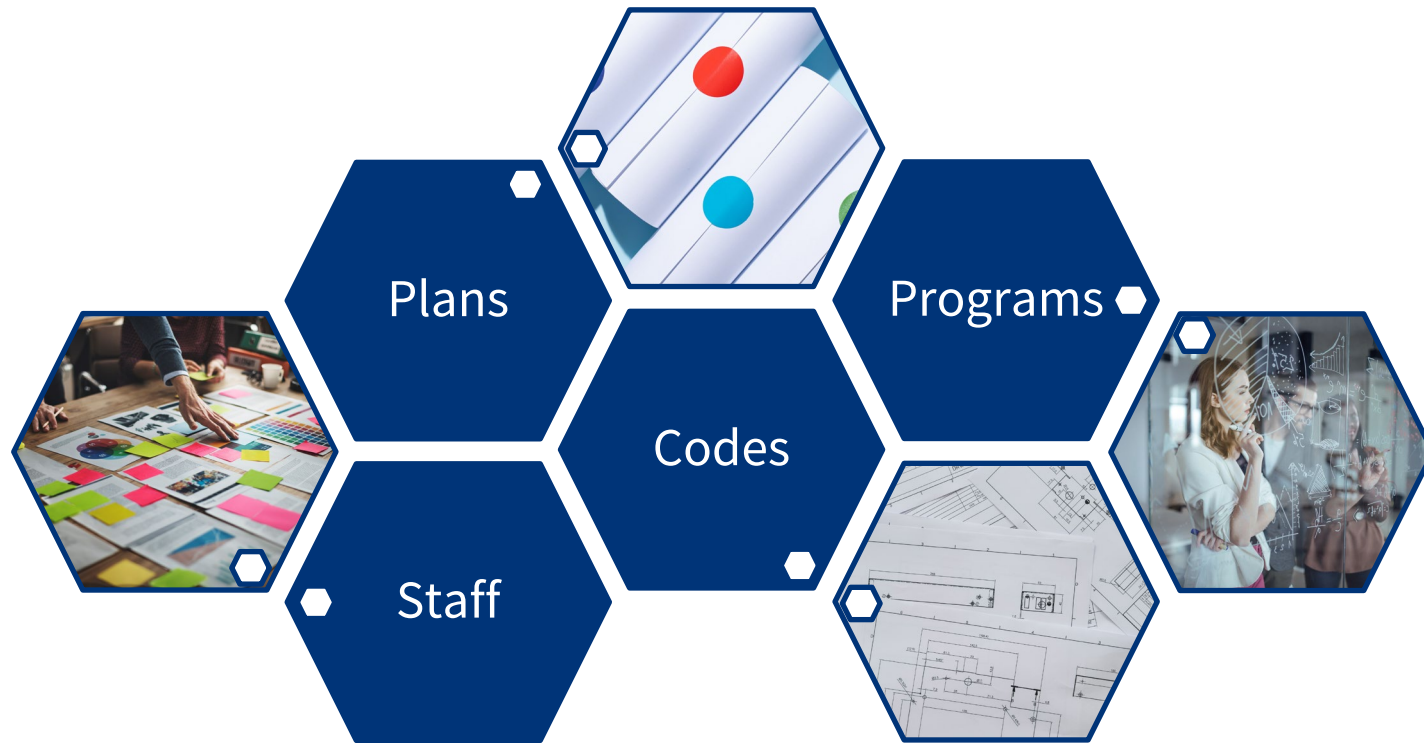
- OEM contacts and Primary Points of Contact from municipalities that have submitted LOIPs will be asked to review the community lifelines within their municipality.
- Identify necessary edits to existing facilities, remove facilities that no longer exist, and identify new facilities.
- **Lifeline facilities will be distributed for review in the upcoming weeks.**



Capability Assessment



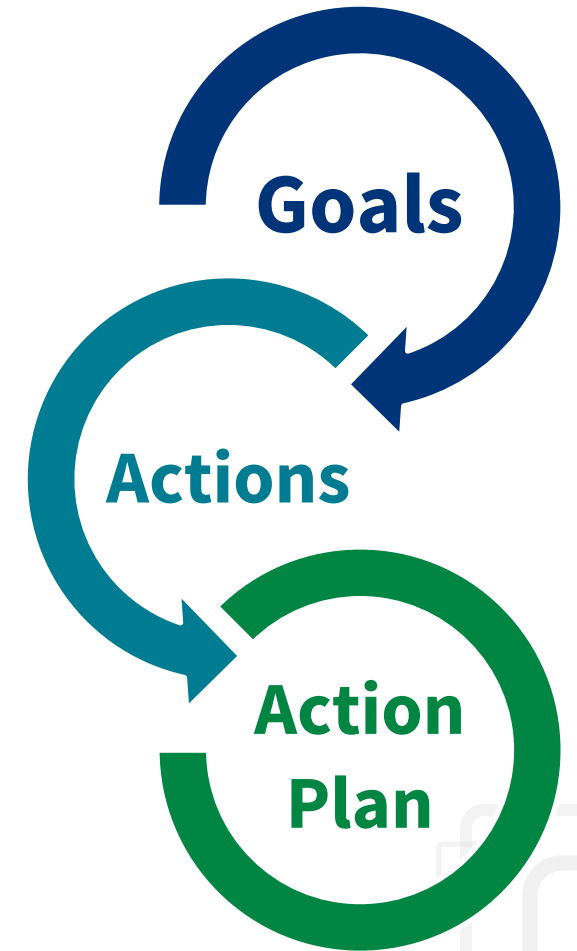
- Capabilities
 - What does your jurisdiction use to reduce risk to hazards?





Mitigation Strategy

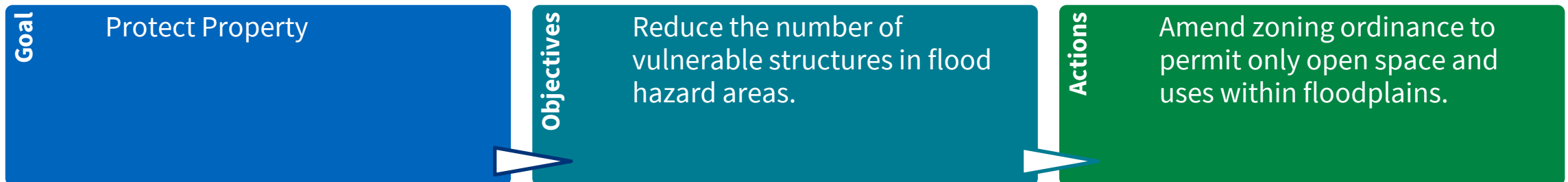
- Goals
 - What outcomes do you want to achieve?
- Actions
 - What specific actions will be taken to reduce hazard risk?
- Action Plan
 - How will the actions be prioritized and implemented?



Goals and Objectives – Review and Update



Goal Number	2018 Goal	Modify, Add, or Remove?
G-1	Improve life safety and damage prevention by strengthening the relationship between emergency services and hazard mitigation programs	
G-2	Emergency Services Improvements	
G-3	Natural Hazards Public Education	
Additional Goals?		



Goals and Objectives – Review and Update



Objective Number	2018 Objective
1-1	Reduce the impact of disasters on currently developed property, especially residential, commercial, and critical public facilities that are near the lake shores and canal corridor
1-2	Improve the stability of creek banks and improve the water flow of creek beds to lessen flooding events
1-3	Lessen the impact of flooding on roads
1-4	Use the community's land use plans, ordinances, subdivision regulations and site plan review processes to enhance loss reduction
1-5	Ensure that future development is not vulnerable to the impact of natural, technological, or man-made disasters
2-1	Coordinate and integrate the hazard mitigation activities with existing local Emergency Service Agencies Emergency Operations Plans
2-2	Analyze the need for and procure any specialized equipment or training to enhance the Emergency Services response to specific hazards
2-3	Review current evacuation routes to determine if they are adequate

Goals and Objectives – Review and Update

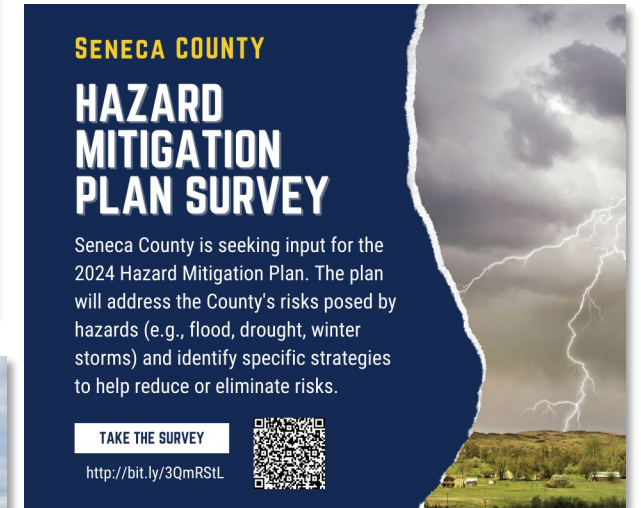
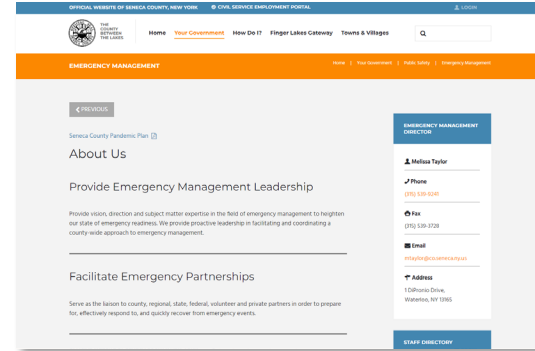


Objective Number	2018 Objective
3-1	Ensure that county residents and businesses are aware of potential hazards and are knowledgeable of their roles in limiting the effects of hazards on their personal property, health and safety
3-2	Use appropriate public information and education strategies to increase public awareness of various hazard mitigation options
3-3	Continue to educate the public about emergency preparedness, response and recovery activities
3-4	Encourage all residents and businesses to purchase NOAA Weather radios for timely alert warnings

Public Outreach Strategy



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



Plan Adoption & Integration



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





Homework

Each jurisdiction will need to review and submit information on previous events, capabilities, NFIP administration, recent development, and previous actions.

Homework sheets are due December 12.

Worksheet 1: Previous Events



Hazard Mitigation Plan 2024 Update
Seneca County, New York
Worksheet A – Hazard Event History

Please send all electronic Word versions by December 12, 2023:
Chris Huch, Tetra Tech | chris.huch@tetratech.com

Municipality: _____

Name and Title of Individual Completing Worksheet: _____

Seneca 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 (2018). 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.

Dates of Event	Event Type (Disaster Declaration if applicable)	County Designated?	Summary of Event	Municipal Summary of Damages and Losses

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

Dates of Event	Event Type (Disaster Declaration if applicable)	County Designated?	Summary of Event	Municipal Summary of Damages and Losses

Worksheet 2: Capability Assessment



Hazard Mitigation Plan 2024 Update
Seneca County, New York
Worksheet B – Capability Assessment

Please send all electronic Word versions by December 12, 2023:

Chris Huch, Tetra Tech | chris.huch@tetratech.com

Municipality: Seneca County

Name and Title of Individual Completing Worksheet:

Who can assist with completing these tables: Municipal Planner, Clerk, Code Official, Administrator, Chief Fiscal Officer.

Planning and Regulatory Capability

Please complete the following table to summarize the regulatory tools that are available to your community, what is present in the jurisdiction, and code citation and date. For existing regulatory tools, note how it reduces risk to hazards or how it could be updated to better integrate hazard mitigation concepts to reduce risk.



Table 1. Planning and Regulatory Capability

	Jurisdiction has this? (Yes/No)	Code Citation and Date (code chapter, name of plan, date of plan)	Authority (local, county, state, federal)	Department / Agency Responsible
Codes, Ordinances, & Regulations				
Building Code	Yes	Uniform Fire Prevention and Building Code, 2021	State and County	NYS Division of Building Standards and Codes or Seneca County Building Codes Enforcement
How does this reduce risk?				
Zoning/Land Use Code	Yes	NYS Comprehensive Plan Statutes - Town Law §272-a Village Law, §7-722 General City Law §28-a	State and County	NYS Department of State or Seneca County Building Codes Enforcement
How does this reduce risk?				
Consider the following:				
<ul style="list-style-type: none">• Prior to zoning changes, or development permitting, does your jurisdiction review the hazard mitigation plan and other hazard analyses to ensure consistent and compatible land use?• Does the zoning ordinance discourage development or redevelopment within natural areas including wetlands, floodways, and floodplains?• Does it contain natural overlay zones that set conditions?• Does the ordinance require developers to take additional actions to mitigate natural hazard risk?• Do rezoning procedures recognize natural hazard areas as limits on zoning changes that allow greater intensity or density of use?				
Subdivision Ordinance				
How does this reduce risk?				
Consider the following:				
<ul style="list-style-type: none">• Do the subdivision regulations restrict the subdivision of land within or adjacent to natural hazard areas?				

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Hazard Mitigation Plan 2024 Update
Seneca County, New York
Worksheet B – Capability Assessment

	Jurisdiction has this? (Yes/No)	Code Citation and Date (code chapter, name of plan, date of plan)	Authority (local, county, state, federal)	Department / Agency Responsible
<ul style="list-style-type: none">• Do the regulations provide for conservation subdivisions or cluster subdivisions in order to conserve environmental resources?• Do the regulations allow density transfers where hazard areas exist?				
Site Plan Ordinance				
How does this reduce risk?				
Stormwater Management Ordinance	Yes	Seneca County Watershed Protection Law	State and County	NYS Department of Environmental Conservation or Seneca County Health Department
How does this reduce risk?				
The design, construction, operation and maintenance of wastewater treatment systems located wholly or partially within Seneca County, with the exception of municipal owned wastewater treatment plants permitted by New York State Department of Environmental Conservation, shall be subject to the requirements of this article. The requirements of this article are in addition to, and not in lieu of, the requirements for wastewater treatment systems set forth in 10 NYCRR Appendix 75-a of Part 75.				
Post-Disaster Recovery/ Reconstruction Ordinance				
How does this reduce risk?				
Real Estate Disclosure	Yes	Property Condition Disclosure Act, NY Code - Article 14 §460-467	State	NYS Department of State, Real Estate Agent
How does this reduce risk?				
In addition to facing potential liability for failing to disclose under the exceptions to "caveat emptor," a home seller must make certain disclosures under the law or pay a credit of \$500 to the buyer at closing. While the PCDA requires a seller to complete a standardized disclosure statement and deliver it to the buyer before the buyer signs the final purchase contract, in practice, most home sellers in New York opt not to complete the statement and instead pay the credit.				
Growth Management				
How does this reduce risk?				
Environmental Protection Ordinance				
How does this reduce risk?				
Consider the following:				
<ul style="list-style-type: none">• Are environmental systems that protect development from hazards identified and mapped?• Do environmental policies maintain and restore protective ecosystems?• Do the ordinances prohibit development within, or filling of, wetlands, floodways, and floodplains?• Do environmental policies provide incentives to development that is located outside protective ecosystems?				
Flood Damage Prevention Ordinance				
How does this reduce risk?				
Wellhead Protection				
How does this reduce risk?				
Emergency Management Ordinance				
How does this reduce risk?				
Climate Change Ordinance				
How does this reduce risk?				

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Worksheet 3: NFIP Administration



Hazard Mitigation Plan 2024 Update
Seneca County, New York
Worksheet C – NFIP Summary

Please send all electronic Word versions by December 12, 2023:

Chris Huch, Tetra Tech | chris.huch@tetratech.com

Municipality: _____

Name and Title of Individual Completing Worksheet: _____

Who can assist with completing this table: NFIP Floodplain Administrator – as identified by role/title in your Flood Damage Prevention Ordinance.

NFIP Topic	Comments
Flood Vulnerability Summary	
Describe areas prone to flooding in your jurisdiction.	
Do you maintain a list of properties that have been damaged by flooding?	
Do you maintain a list of property owners interested in flood mitigation? <ul style="list-style-type: none">If yes, how many homeowners and/or business owners are interested in mitigation (elevation or acquisition)?	
Are any RiskMAP projects currently underway in your jurisdiction? <ul style="list-style-type: none">If so, state what projects are underway.	
Do you have procedures established for Substantial Damage determinations following a disaster event?	
How many Substantial Damage determinations were declared for recent flood events in your jurisdiction?	
How many properties have been mitigated (elevation or acquisition) in your jurisdiction? <ul style="list-style-type: none">If there are mitigated properties, how were the projects funded?	
Do your flood hazard maps adequately address the flood risk within your jurisdiction? <ul style="list-style-type: none">If not, state why.	
NFIP Compliance	
What local department is responsible for floodplain management?	
Are any certified floodplain managers on staff in your jurisdiction?	

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Worksheet 4: Action Review



Please send all electronic Word versions by December 12, 2023:

Chris Huch, Tetra Tech | chris.huch@tetratech.com

Municipality: _____

Name and Title of Individual Completing Worksheet: _____

Who should provide you information about past mitigation actions: The engineer and DPW will review and update the table first. Please coordinate with other officials (e.g., Code Official, Planner, OEM Coordinator) to determine the status of each action (a FEMA requirement) as identified in the 'Responsible Party' column, if populated.

Please use the following table to indicate progress and next steps on your community's mitigation strategy identified in the 2018 HMP. Please be as detailed as possible.

Provide status updates for each action listed in your last annex:

- IN PROGRESS: Started but not complete
- ONGOING CAPABILITY: An action you complete regularly (maintenance, annual outreach, etc.)
- NO PROGRESS: Not started
- COMPLETE: Finished!

Include a narrative to describe progress in implementation of the action, obstacles that have prevented implementation, etc.

Actions that are COMPLETE or ONGOING will not be carried forward. Let us know if NO PROGRESS or IN PROGRESS actions should be carried forward and included in the updated mitigation strategy! Provide any necessary revisions or updates to carryover actions. Provide a reasoning for any actions that are being discontinued (for example: the problem no longer exists or was solved using a different approach)

Worksheet 5: New Development



Hazard Mitigation Plan 2024 Update
Seneca County, New York
Worksheet E – Building Permits

Please send all electronic Word versions by December 12, 2023:
Chris Huch, Tetra Tech | chris.huch@tetrattech.com

Municipality: _____

Name and Title of Individual Completing Worksheet: _____

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

Type of Development	2018		2019		2020		2021		2022	
Number of Building Permits for New Construction Issued Since the Previous HMP* (within regulatory floodplain/ Outside regulatory floodplain)										
	Total	Within SFHA	Total	Within SFHA	Total	Within SFHA	Total	Within SFHA	Total	Within SFHA
Single Family										
Multi-Family										
Other (commercial, mixed-use, etc.)										
Total New Construction Permits Issued										

SFHA Special Flood Hazard Area (1% annual chance flood event)

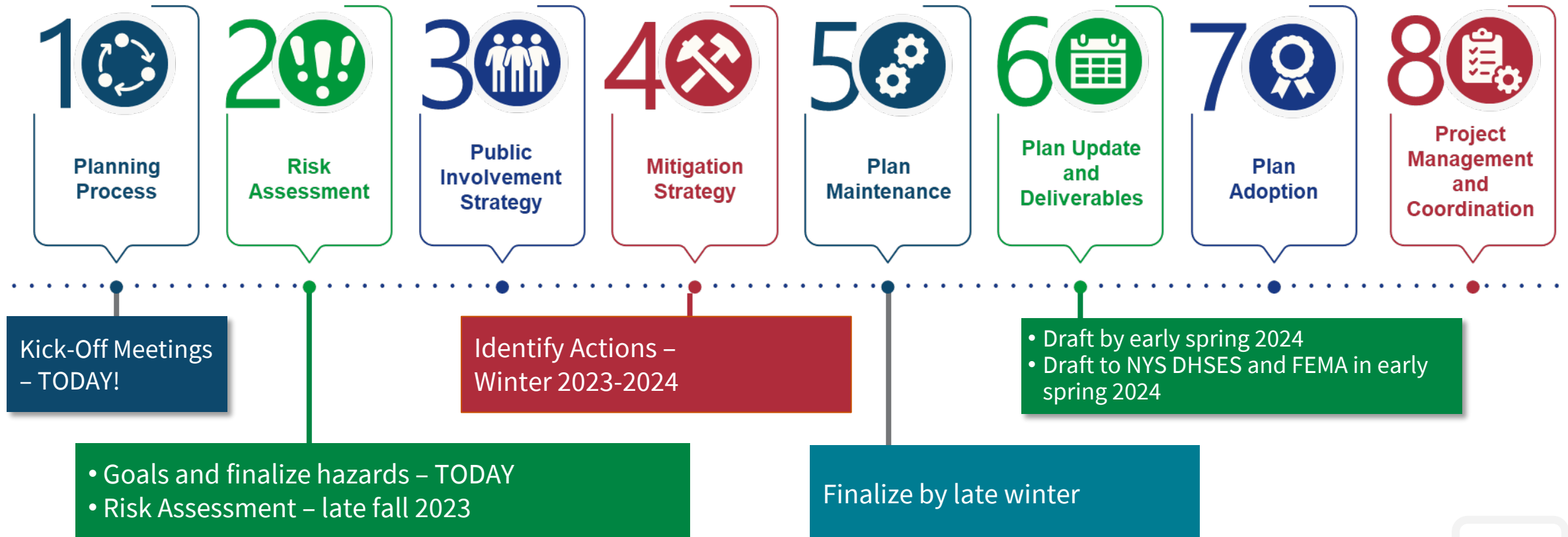
* Only location-specific hazard zones or vulnerabilities identified.



Project Schedule

Upcoming meetings and key milestones
throughout the HMP update process

Schedule



Next Steps



- Provide your Points of Contact
- Complete and submit homework worksheets by December 12
 - Previous Events
 - Capability Assessment
 - NFIP Administration
 - New Development
 - Previous Actions
- Provide edits on lifelines






Questions?

Seneca County Project Contact

Melissa Taylor, Office of Emergency Management
(315) 539-1756 | mtaylor@co.seneca.ny.us

Tetra Tech Project Manager

Chris Huch, CFM
(973) 630-8357 | chris.huch@tetrattech.com



Thank
You!