

APPENDIX C. MEETING DOCUMENTATION

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



Meeting Date: Tuesday, September 26, 2023

Meeting Location: Rockland County Fire Training Center

Meeting Topic: HMP Steering Committee Kick-Off Meeting

Name	Title	Department/Agency	Email
Allie Manigo	Data Entry	Fire & Emergency	manigoa@co.rockland.ny.us
Christoph Jensen	Coordinator	Fire & Emergency	Jensence@co.rockland.ny.us
Scott Lounsbury	GIS Coordinator	City GIS	lounsbvs@co.rockland.ny.us
Daniel Maloney	Clarkstown P.D. OEM	CPD	d.maloney@clarkstownpa.org
Porg Schuetz	Acting Commissioner	RC Planning Dept Public Trans	Schuetzd@co.rockland.ny.us
Jake Palant	Associate Planner	RC Planning Dept	palantj@co.rockland.ny.us
Ruch Schafu	Deputy Commissioner	Planning	schufor " " "
Alex S Obremski	Director	Community Dev	obremska @ " "
Mary Distefano	Special Proj. Asst.	OFA	distefam@co.rockland.ny.us
Eric Medink	Dir. Em Preparedness	Health	medinae
Jacob King	GIS Technician II	Planning	Kingj@co.rockland.ny.us
Brianna Rosamilia	District Manager	DER SWCD	rosamilb@co.rockland.ny.us



Tt TETRA TECH

Rockland County Hazard Mitigation Plan 2024 Update

Steering Committee Kick-off Meeting
September 26 | 10:00 am

Leading with Science®

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Today's Agenda

1. Welcome and Introductions
2. Hazard Mitigation Planning Overview
3. Project Organization
4. Steering Committee 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 Rockland County.

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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

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



Rockland County Hazard Mitigation Plan 2024 Update



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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 2006, Rockland County received over \$13 million in FEMA funding for planning, acquisitions, culvert improvements, and infrastructure projects
 - Incorporate new FEMA requirements
 - Support CRS participation/rating
- What is at risk in Rockland County?
- Which hazard do you think occurred the most since 2018?
 - Scan this code to vote! 

January 2018 – July 2023	
Hazard	Occurrences
Drought Conditions	4
Earthquake	3
Extreme Temperature (heat/cold)	N/A
Flood	23
Severe Weather	32
Severe Winter Weather	21
Wildfire	5
TOTAL	

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

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Differences from the 2018 Planning Process



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



Rockland County Hazard Mitigation Plan 2024 Update



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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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Project Organization

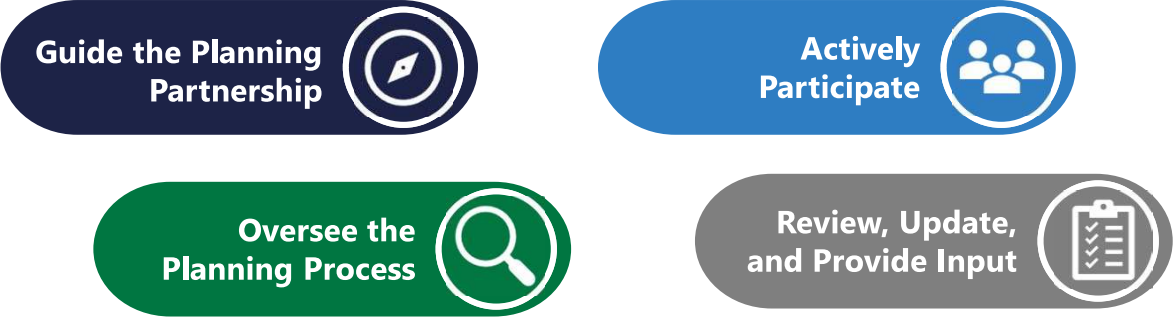



The diagram illustrates the project organization structure. It features five main components in rounded rectangular boxes, connected by a blue line that forms a path from the first box to the last. 1. **Core Planning Team**: Includes Rockland County Emergency Services and Tetra Tech. 2. **Steering Committee**: Represented by a gear icon with people. 3. **Planning Partnership**: Represented by a building icon with a flag. 4. **Stakeholders**: Represented by a network icon. 5. **NYSDHSES and FEMA**: Includes the Department of Homeland Security and FEMA's Homeland Security & Emergency Services.


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Steering Committee Roles and Responsibilities



The diagram lists four roles and responsibilities of the Steering Committee, each in a colored rounded rectangle with an icon: 1. **Guide the Planning Partnership** (dark blue, compass icon). 2. **Actively Participate** (blue, group of people icon). 3. **Oversee the Planning Process** (green, magnifying glass icon). 4. **Review, Update, and Provide Input** (grey, clipboard icon).

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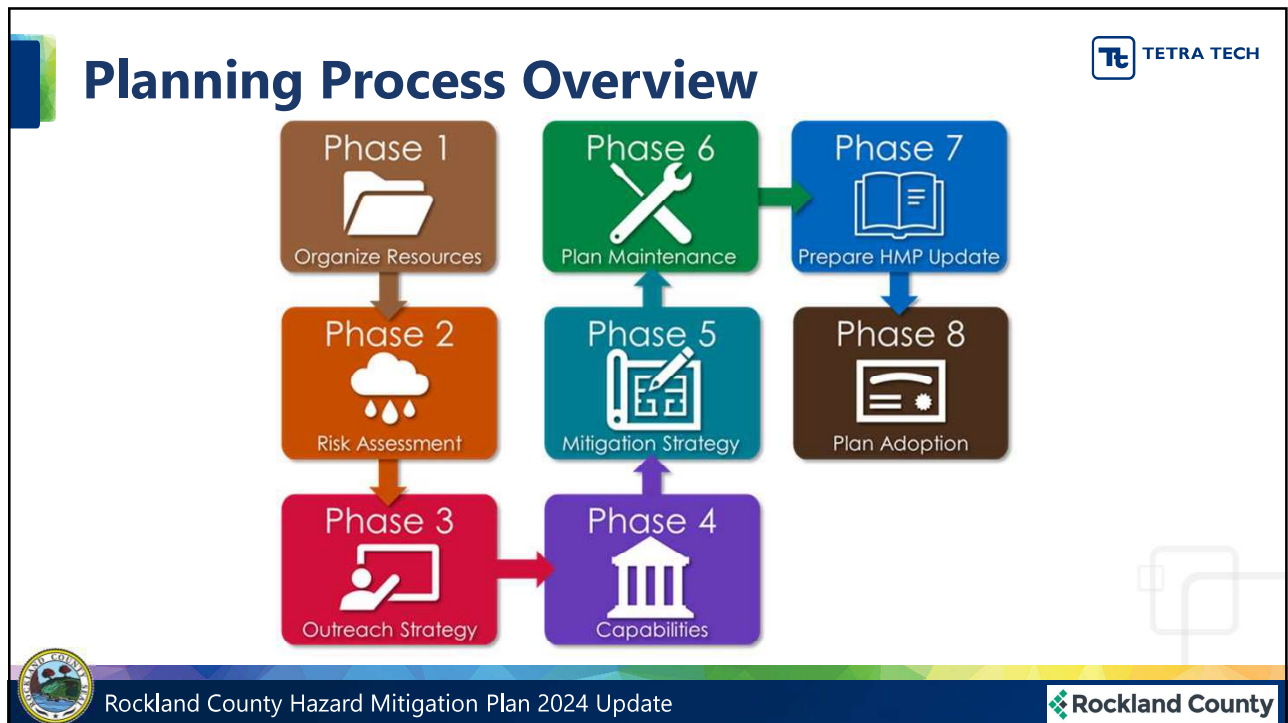
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Planning Process Overview

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

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Phase 1 – Organize Resources





Core Planning Team
Rockland County Planning
Tetra Tech



Steering Committee

Planning Partnership





Stakeholders



FEMA



NYSDHSES and FEMA




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Data Collection



- **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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Data Collection



• Identify socially vulnerable populations and underserved communities

- How will we incorporate socially vulnerable populations in Rockland County?
- Need to include throughout the planning process – outreach, risk assessment, mitigation strategy, etc.




Phase 2 - Risk Assessment




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




Hazards of Concern






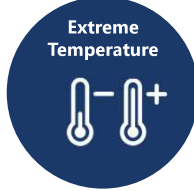
Dam Failure




Disease Outbreak




Drought




Extreme Temperature




Geologic




Flood




Severe Weather




Severe Winter Weather




Wildfire




Rockland County Hazard Mitigation Plan 2024 Update

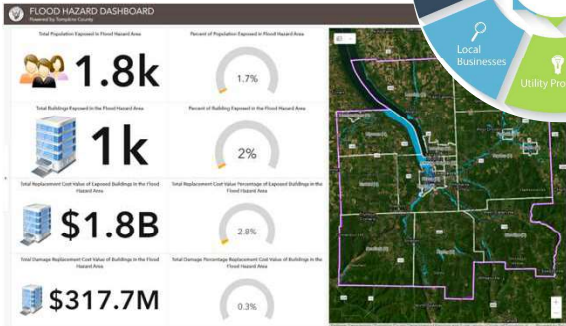



Phase 3 – Public Outreach Strategy




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







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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.




Phase 5 – Mitigation Strategy





- Review 2018 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!






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 – Prepare the HMP Update

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	High Hazard Potential Dam (HHPD)	
Glossary		
References		


Rockland County Hazard Mitigation Plan 2024 Update




Phase 8 – Adopt the Plan

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

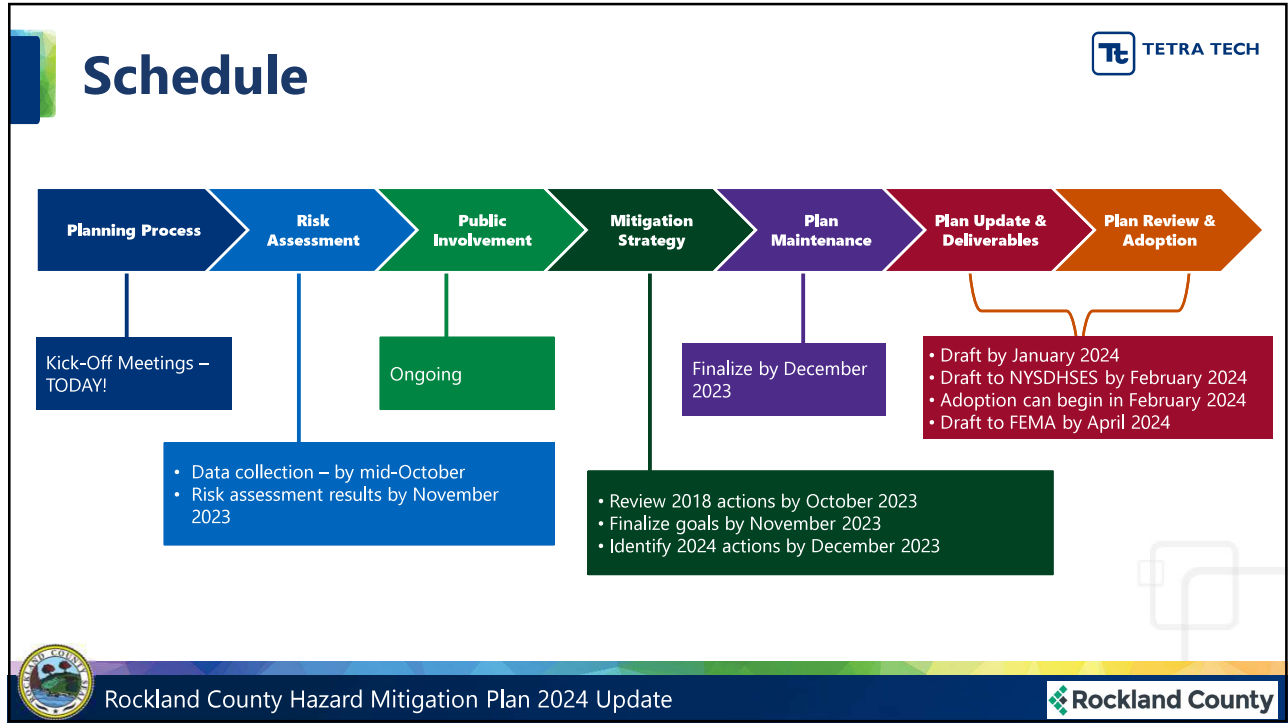


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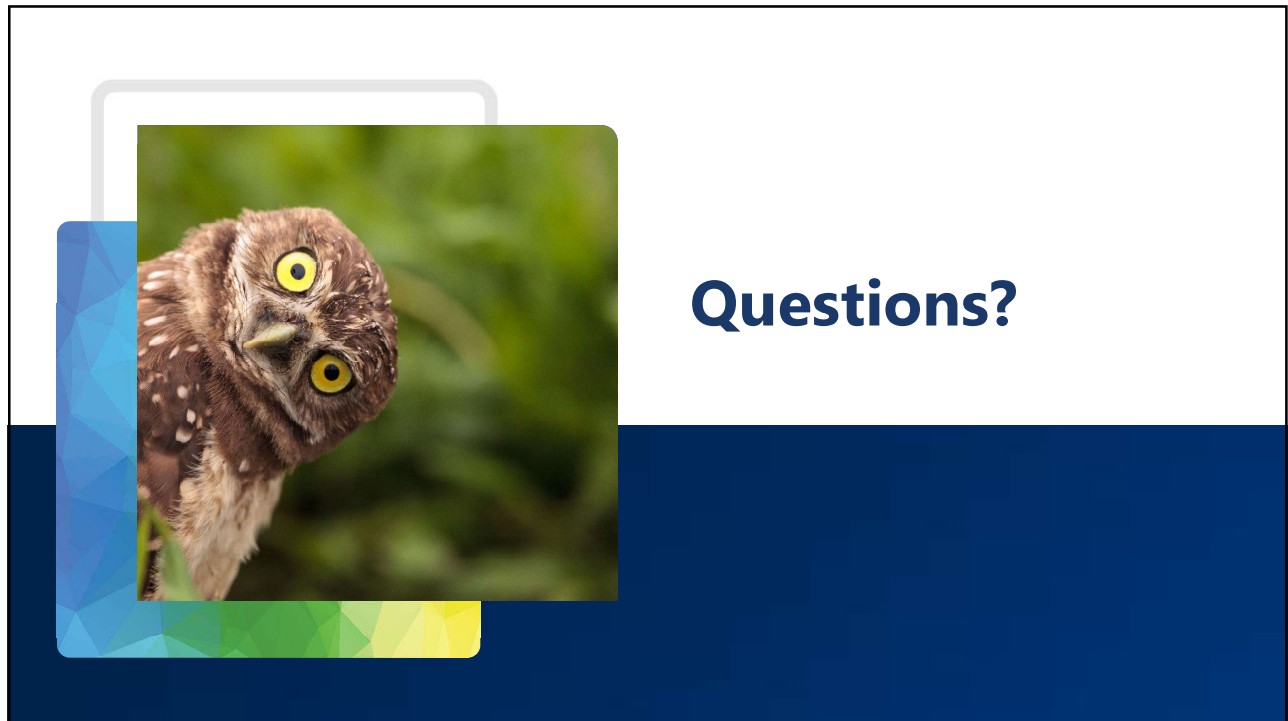


Project Schedule

Upcoming meetings and key milestones throughout the HMP update process



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Rockland County Project Contacts

Chris Jensen, Program Coordinator, Fire and Emergency Services
(845) 364-8902 | jjensenc@co.rockland.ny.us

Tetra Tech Project Contacts

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

Thank
You!

**Rockland County, NY – Hazard Mitigation Plan 2024 Update
Steering Committee Kick-Off Meeting | Minutes**



Purpose of Meeting:	Steering Committee Kickoff	
Location of Meeting:	Rockland County Fire Training Center, Pomona, NY	
Date of Meeting:	September 26, 2023 10:00AM – 11:00AM	
Attendees:	<ul style="list-style-type: none"> • Rockland County <ul style="list-style-type: none"> ○ Chris Jenson, Fire and Emergency ○ Allie Manigo, Fire and Emergency ○ Scott Lounsbury, GIS ○ Doug Schuetz, Planning Department ○ Jake Palant, Planning Department ○ Rich Schiafo, Planning Department ○ Alex Obremski, Community Development ○ Mary DiStefano, Office for the Aging ○ Eric Medina, Health Department ○ Jacob King, Planning Department ○ Brianna Rosamilia, Environmental Resources ○ Michael DiMola, Environmental Resources ○ Al Carnevale, Highway Department ○ Vincent Altieri, Drainage Agency ○ Joseph DiCarlo, Probation Department ○ Jacki Scott, Office for People with Disabilities 	<ul style="list-style-type: none"> • Clarkstown (V) <ul style="list-style-type: none"> ○ Daniel Maloney, Police Department/Office of Emergency Management • New York State <ul style="list-style-type: none"> ○ Elizabeth O’Reilly, Division of Homeland Security & Emergency Services (NYS DHSES) • Non-governmental Organizations <ul style="list-style-type: none"> ○ Stephen Papas, United Way of Rockland County • Tetra Tech <ul style="list-style-type: none"> ○ Heather Appgar, Tetra Tech ○ Emma Kilkelly, Tetra Tech

Agenda Summary: The purpose of the meeting was to introduce the Steering Committee and contract consultant, provide an overview of the hazard mitigation planning process, and to begin the information gathering processes and update the hazards of concern.

Item No.	Description	Action item(s):
1	Introductions <ul style="list-style-type: none"> • Each person was asked to share their name and department 	-
2	Hazard Mitigation Overview <ul style="list-style-type: none"> • Mitigation is a sustained action taken to reduce or eliminate long-term risk to life and property from a hazard event • A Hazard Mitigation Plan (HMP) provides an overview of the impacts of natural hazards on communities and is a roadmap to reducing the impact of these hazards. <ul style="list-style-type: none"> ○ Attendees were asked to take a quick poll related to the hazards occurring the most in the County since 2021; majority indicted severe storms and winter storms • For the 2024 update, we will be following the revised April 2023 FEMA guidance for local plans 	-
3	Project Organization <ul style="list-style-type: none"> • To complete the HMP update, we will work with individuals, agencies, neighboring jurisdictions, businesses, and other partners • The project is organized by the following – <ul style="list-style-type: none"> ○ Core Planning Team - made up of Rockland County Fire and Emergency and Tetra Tech. This is a small group that will meet frequently to ensure the project stays on schedule and that we meet all State and FEMA requirements. ○ Steering Committee - responsible for providing guidance and leadership throughout the planning process. They will actively contribute, review and provide feedback on plan sections, update the plans’ goals and 	-



	<p>objectives, finalize the list of hazards of concern, and identify mitigation actions.</p> <ul style="list-style-type: none"> ○ Planning Partnership – represents the participating jurisdictions. They will attend meetings, provide information, identify mitigation actions, and adopt the HMP. ○ Stakeholders - must be engaged throughout the planning process. At a minimum, this group should include neighboring counties, local and regional agencies involved in hazard mitigation activities, and agencies that have the authority to regulate development, as well as businesses, academia, and other private and nonprofit organizations. We will put together a draft list of stakeholders and ask for your input. ○ DHSES - provide the County guidance throughout the HMP update and will review/approve the plan before it is submitted to FEMA. 	
<p>4</p>	<p>Planning Process Overview</p> <ul style="list-style-type: none"> ● Following an eight-phase approach to update the HMP <ol style="list-style-type: none"> 1. Planning Process – ongoing throughout the update 2. Risk Assessment – identifies the risks of each hazard included in the plan <ul style="list-style-type: none"> ▪ Dam Failure ▪ Disease Outbreak ▪ Drought ▪ Extreme Temperature ▪ Flood ▪ Geologic Hazards ▪ Severe Weather ▪ Severe Winter Weather ▪ Wildfire 3. Public Involvement Strategy – ongoing throughout the plan update; we will use the County’s website and StoryMap to help with outreach <ul style="list-style-type: none"> ▪ New FEMA guidance emphasizes outreach to socially vulnerable communities and to include these populations in the Risk Assessment ▪ Steering Committee members suggested the following categories for inclusion in the social vulnerability analysis <ul style="list-style-type: none"> ● Uninsured population ● Families without vehicles ● Renters versus owners ● Increased poverty threshold (30, 50, or 80% of area median income (AMI)) ▪ Steering Committee members suggested the following locations for print materials <ul style="list-style-type: none"> ● Libraries ● Food pantries ● Nonprofit organizations ● Family resource centers ● Doctors’ offices ● Laundromats ● Houses of worship 4. Mitigation Strategy – review/finalize goals/objectives for 2024 HMP; review existing capabilities; review 2018 mitigation strategies and provide status; identify new strategies for the 2024 update 	<p>Tetra Tech</p> <ul style="list-style-type: none"> ● Provide outreach materials ● Send social vulnerability method for review <p>Steering Committee</p> <ul style="list-style-type: none"> ● Provide input on the hazards of concern (link) ● Assist with public outreach using materials provided by Tetra Tech ● Provide input on 2018 mitigation actions

**Rockland County, NY – Hazard Mitigation Plan 2024 Update
Steering Committee Kick-Off Meeting | Minutes**



	<ol style="list-style-type: none"> 5. Plan Maintenance – determine the maintenance schedule of the 2024 HMP 6. Plan Update and Deliverables – update all sections of the HMP; provide to DHSES and FEMA for review and approval 7. Plan Adoption – the County and each participating municipality will adopt the plan after the HMP is approved by FEMA 8. Project Management and Coordination – ongoing throughout the update 	
<p>5</p>	<p>Project Schedule</p> <ul style="list-style-type: none"> • Steering Committee Kick-Off – September 26, 2023 • Planning Partnership Kick-Off – October 4, 2023 • Finalize goals, objectives, and hazards of concern – mid-October • Risk Assessment Meeting – November 2023 • Mitigation Strategy Meeting – December 2023 • Plan maintenance – December 2023 • Public Draft – January 2024 • Draft to State for Review – February 2024 • Plan Adoption – February 2024 • Final Draft to FEMA – April 2024 	<p>-</p>
<p>6</p>	<p>Next Steps</p> <ul style="list-style-type: none"> • Steering Committee and Planning Partnership to provide input on problem areas and new development <ul style="list-style-type: none"> ○ Problem areas - https://arcg.is/1Svra01 ○ New Development - https://arcg.is/1f5qaX • Departments to share outreach materials and relevant data sources <ul style="list-style-type: none"> ○ Please send screenshots/links to Tetra Tech so we can document in the plan 	<p>Tetra Tech</p> <ul style="list-style-type: none"> • N/A <p>Steering Committee</p> <ul style="list-style-type: none"> • Provide input on problem areas - https://arcg.is/1Svra01 • Provide input on new development - https://arcg.is/1f5qaX

Meeting Date: Wednesday, October 4, 2023 | 10:00 am
Meeting Location: Rockland County Fire Training Center
Meeting Topic: HMP Planning Partnership Kick-Off Meeting

Jurisdiction	Name	Title / Position	Agency/Department	Email	Present?
Rockland County	Altieriv, Vincent	Executive Director	Rockland County Drainage Agency	altieriv@co.rockland.ny.us	✓
Rockland County	Carnevale, Alfred	Deputy Superintendent of Highways	Rockland County Highway Department	carnevaa@co.rockland.ny.us	✓
Rockland County	DiCarlo, Joseph	Director	Rockland County Probation	DiCarloJ@co.rockland.ny.us	
Rockland County	Dimola, Michael	Parks Operation Manager	Rockland County Park System	dimolam@co.rockland.ny.us	
Rockland County	DiStefano, Mary Ellen	Special Proj. Asst.	Rockland County Office for the Aging	distefam@co.rockland.ny.us	
Rockland County	Jensen, Christopher	Coordinator	County Fire and Emergency Services	jensenc@co.rockland.ny.us	✓
Rockland County	King, Jacob	GIS Technician	Rockland County Department of Planning	kingj@co.rockland.ny.us	
Rockland County	Lounsbury, Scott	GIS Coordinator	County GIS	lounsbu@co.rockland.ny.us	
Rockland County	Manigo, Allie	Data Entry	County Fire and Emergency Services	manigoa@co.rockland.ny.us	✓
Rockland County	Medina, Eric	Director Emergency Preparedness	Rockland County Health	medinae@co.rockland.ny.us	
Rockland County	Obremski, Alex	Director	Community Development	obremska@co.rockland.ny.us	
Rockland County	Palant, Jake	Associate Planner	Rockland County Department of Planning	palantj@co.rockland.ny.us	✓
Rockland County	Papas, Stephen	CEO	United Way Rockland County	spapas@uwrc.org	
Rockland County	Robles, Martha	Director	Rockland County Office for the Aging	roblesma@co.rockland.ny.us	
Rockland County	Rosamilia, Brianna	District Manager	Rockland County Dept. Environmental Services/SWCD	rosamilb@co.rockland.ny.us	
Rockland County	Schiafo, Rich	Deputy Commissioner	Rockland County Department of Planning	schiafr@co.rockland.ny.us	✓
Rockland County	Schuetz, Doug	Acting Commissioner	Rockland County Department of Planning	schuetzd@co.rockland.ny.us	
Rockland County	Scott, Jacki	Director	Rockland County Office for People with Disabilities	scottj@co.rockland.ny.us	
Airmont (V)	Queenan, P.E., John	Village Engineer		jq@lanctully.com	✓
Airmont (V)	Ricker, Beth	Administrative Assistant		bmr@lanctully.com	
Clarkstown (T)	Fay, James	Captain		J.Fay@clarkstownpd.org	
Clarkstown (T)	Maloney, Dan	Seargent		D.Maloney@clarkstownpd.org	✓

Jurisdiction	Name	Title / Position	Agency/Department	Email	Present?
Grand View-on-Hudson (V)	Pagliarioli, Julie	Village Clerk/Treasurer		clerk@gvoh-ny.gov	✓
Haverstraw (T)	Behn, George	Building Inspector		gbehn@townofhaverstraw.org	
Haverstraw (T)	Gamboli, Michael	Director Finance		mgamboli@townofhaverstraw.org	
Haverstraw (V)					
^{New} Hempstead (V)	McCreedy, Glenn	Village Engineer		gmccreedy@civildesignworks.com	
^{New} Hempstead (V)	Weinraub, Allison	Village Clerk/Treasurer		aweinraub@newhampstead.org	✓
Hillburn (V)	<i>Manago, Eric</i>	<i>Village Eng</i>	<i>Manago</i>		
Kaser (V)	Merelstein, Binyomin	Clerk/Treasurer		kaser@ksrnet.com	
Montebello (V)	Millman, Lance	Mayor		mayor@villageofmontebello.com	
Montebello (V)	Spence, Martin	Village Engineer	HARRIS	mkspace@spenceengineer.com	✓
New Hempstead (V)					
New Square (V)					
Nyack (V)	Stewart, Andy	Village Administrator		administrator@nyack-ny.gov	NO
Nyack (V)	Tlsty, Ann Mari	Assistant to Village Administrator	<i>Ann Mari Tlsty</i>	annmarietlsty@nyack-ny.gov	✓
Orangetown (T)	Dean, James	Superintendent of Highways		jdean@orangetown.com	
Orangetown (T)	Munno, Stephen	Senior Administrative Assistant		smunno@orangetown.com	
Piermont (V)	DeYorki Maher, Jennifer	Clerk/Treasurer		clerk@piermont-ny.gov	
Piermont (V)	Mitchell, Nate	Trustee		nmitchell@piermont-ny.gov	
Pomona (V)					
Ramapo (T)	Hans, Joshua	Program Coordinator	<i>Joshua Hans</i>	hansj@ramapo.org	✓
Ramapo (T)	Montal, Mona	Chief of Staff		montalm@ramapo.org	
Sloatsburg (V)	<i>Manago, Eric</i>	<i>Village Eng</i>	<i>Manago</i>		
Spring Valley (V)	Canario, Raymond	Building and Public Works		rcanario@villagespringvalley.org	
Spring Valley (V)	McCarey, Adam	Village Commissioner		amccarey@villagespringvalley.org	✓
Stony Point (T)	Joachim, Paul	Deputy Supervisor		pjoachim@townofstonypoint.org	
Stony Point (T)	Monaghan, Jim	Supervisor		Supervisor@townofstonypoint.org	
Suffern (V)					

Jurisdiction	Name	Title / Position	Agency/Department	Email	Present?
Upper Nyack (V)	Georgia	Clerk		village.clerk@uppernyack-ny.us	✓
Wesley Hills (V)	Guido-Downey, Camille	Village Clerk/Treasurer		villageclerk@wesleyhills.org	✓
Wesley Hills (V)	Katz, Marshall	Mayor		mayor@wesleyhills.org	
West Haverstraw (V)	Anthony Sparta	Superintendent		ASPARTA@WESTHAVERSTRAW.NY.GOV	OK

Name	Jurisdiction	Title	Email
Patrick M Wamee	Village of Haverstraw	Fire Administrator	pateng38@Adl.com
HARIS ALJOVIC	VILLAGES OF: CHESTNUT RIDGE, MONTEBELLO & POMONA	VILLAGE ENGINEER OFFICE	HALJOVIC@SPENCEENGINEER.COM
Georgia Grandstaff	Village of Upper Nyack	CLERK	villageclerk@uppernyack-nj.us
CATHERINE MURRAY	TOWN OF STONY POINT	DIRECTOR OF FINANCE	cmurray@townofstonypoint.org
Karl Javones	Town of Stony Point	Superintendent of Highway	KJavones@TownofStonyPoint.org
Allison Weinlaub	Village of New Hempstead	village clerk	aweinlaub@newhempstead.org
Manuelo, Eve	Village of Nyack, Haverstraw	Village Eng	emanuelo@brookerengineering.com
Stephen F Munro	Town of Orangetown	Hwy Dept	smunroe@oragetown.com
Linda Donnelly	V of W Haverstraw	Principal Clerk.	livedonnelly@westhaverstraw.org
Mottechai (Graebur)	V of New Square		Motty60@gmail.com



Tt TETRA TECH

Rockland County Hazard Mitigation Plan 2024 Update

Planning Partnership Kick-off Meeting
October 4, 2023 | 10:00 am

Leading with Science®

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Today's Agenda

1. Welcome and Introductions
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7. Questions/Next Steps/Wrap Up





2



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- 1) What is hazard mitigation?
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Rockland County Hazard Mitigation Plan 2024 Update



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“...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
 - Since 2006, Rockland County received over \$13 million in FEMA funding for planning, acquisitions, culvert improvements, and infrastructure projects
 - Incorporate new FEMA requirements
 - Support CRS participation/rating
- What is at risk in Rockland County?
- Which hazards should we include in the update?
 - **Scan this code to tell us!**







January 2018 – July 2023	
Hazard	Occurrences
Drought Conditions	4
Earthquake	3
Extreme Temperature (heat/cold)	N/A
Flood	23
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Wildfire	5
TOTAL	88


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




Differences from the 2018 Planning Process



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-  Community Lifelines and Critical Facilities
-  Socially vulnerable and underserved communities
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Rockland County Hazard Mitigation Plan 2024 Update



7



Project Organization

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

8



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Planning Partnership Roles and Responsibilities

- Actively participate throughout the process
 - 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
- Return your Letter of Intent to Participate (LOIP) to let the County know you will be participating in the 2024 process

Logos for Tetra Tech and Rockland County are present in the top right and bottom right corners, respectively. The Rockland County seal is in the bottom left corner.

Rockland County Hazard Mitigation Plan 2024 Update

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Letters of Intent to Participate

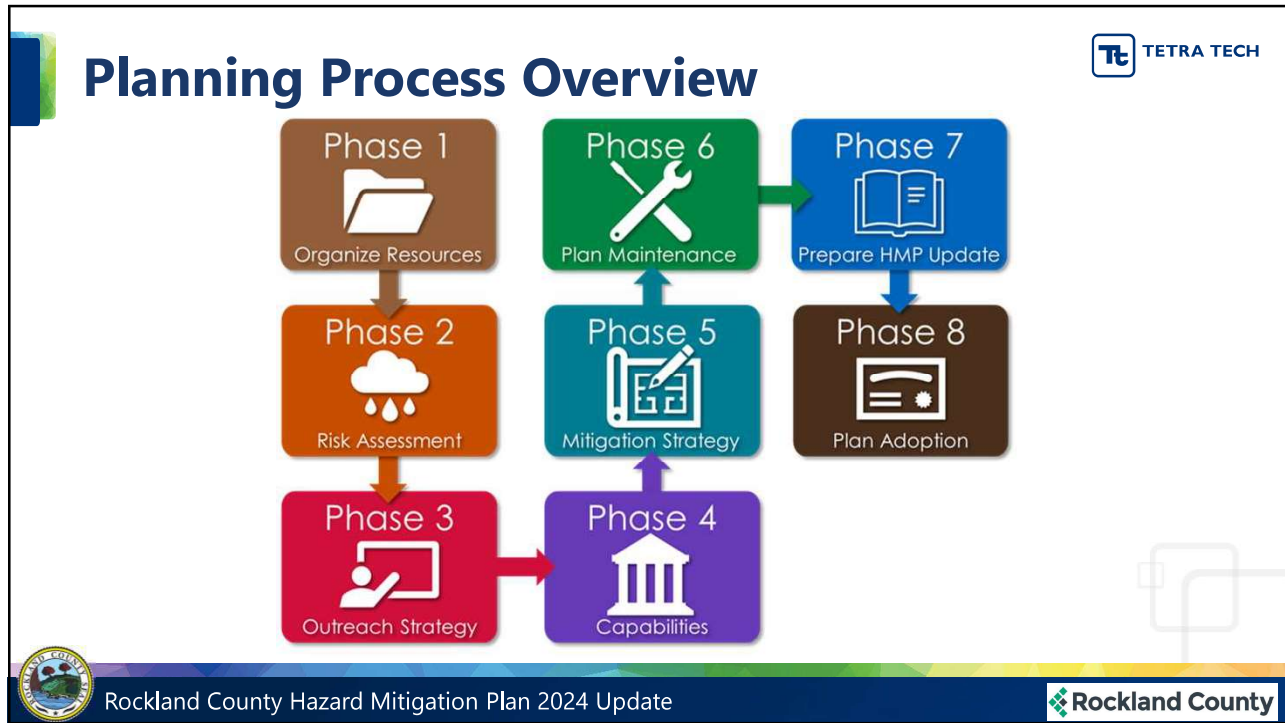


Jurisdiction	LOIP Received?	Jurisdiction	LOIP Received?
Airmont (V)	X	Orangetown (T)	X
Chestnut Ridge (V)		Piermont (V)	X
Clarkstown (V)	X	Pomona (V)	
Grand-View-on-Hudson (V)	X	Ramapo (T)	X
Haverstraw (T)	X	Sloatsburg (V)	
Haverstraw (V)		Spring Valley (V)	X
Hillburn (V)		Stony Point (T)	X
Kaser (V)	X	Suffern (V)	
Montebello (V)	X	Upper Nyack (V)	
New Hempstead (V)	X	Wesley Hills (V)	X
New Square (V)		West Haverstraw (V)	
Nyack (V)	X		



Planning Process Overview

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



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Data Collection

- Reviewing existing plans, studies, and data
- Understanding where development is occurring
 - Provide input online – <https://arcg.is/1f5qaX>
- How many NEW building permits have you issued since 2018?
 - Complete in your annex

Rockland County Hazard Mitigation Plan 2024 Update

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New and Proposed Development

Rockland County NY - New Development Survey

Please indicate recent (2018 to present) or anticipated/known new development (major building [open space to structure] or major infrastructure) in the next 5 years.

Name*

Your Agency/Department/Municipality*

To add more than one new development project entry to this survey, select the (+) below and answer the required questions.
To delete a new development project entry, select the number that represents the new development project you want to delete and click on the garbage can.

New Development (1) +

Development Point Location

Find address or place

Name of Development*

Address/Block Lot*

Date of Development*


Type of Development*

Number of Units/Structures*
If there are no units, please indicate not applicable.



Status*
Please indicate the status that best fits the development (e.g., anticipated, in progress, approved by board, completed).

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Building Permits




Type of Development	2018		2019		2020		2021		2022	
	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										




Rockland County Hazard Mitigation Plan 2024 Update


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Social Vulnerability



- **Identify socially vulnerable populations and underserved communities in your annex**
 - How will we incorporate socially vulnerable populations in Rockland County?
 - Need to include throughout the planning process – outreach, risk assessment, mitigation strategy, etc.
 - Think about mitigation actions to help your community assist underserved communities and socially vulnerable populations before, during, and after a disaster.


Rockland County Hazard Mitigation Plan 2024 Update


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Phase 2 - Risk Assessment Tt TETRA TECH

HAZARDS

- Location
- Extent
- Previous Occurrences
- Future Probability
- Climate Change

ASSETS

- Population
- Building Stock
- Critical Facilities
- Community Lifelines
- Economy
- Future Development

RISK

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

Rockland County Hazard Mitigation Plan 2024 Update

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Hazards of Concern Tt TETRA TECH

Dam Failure

Disease Outbreak

Drought

Extreme Temperature

Earthquake

Landslides

Flood

Severe Weather

Severe Winter Weather

Wildfire

Rockland County Hazard Mitigation Plan 2024 Update

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Hazard Event History



- We need to know how events have impacted your community since 2018
 - What events caused damage in your community? What was the damage?
 - Provide input online (<https://forms.office.com/r/52LaiAQVix>) or in your annex



Problem Areas

- Where are your problem areas? This can include floodprone areas, stormwater flooding, critical facilities without backup power, etc.
 - Provide input online - <https://arcg.is/1Svra01>



TETRA TECH

Phase 3 - Public Outreach Strategy

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

Rockland County Hazard Mitigation Plan 2024 Update

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TETRA TECH

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.


Rockland County Hazard Mitigation Plan 2024 Update


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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 using the online form (<https://forms.office.com/r/9XMb5L8ZrS>) or your annex








Rockland County Hazard Mitigation Plan 2024 Update

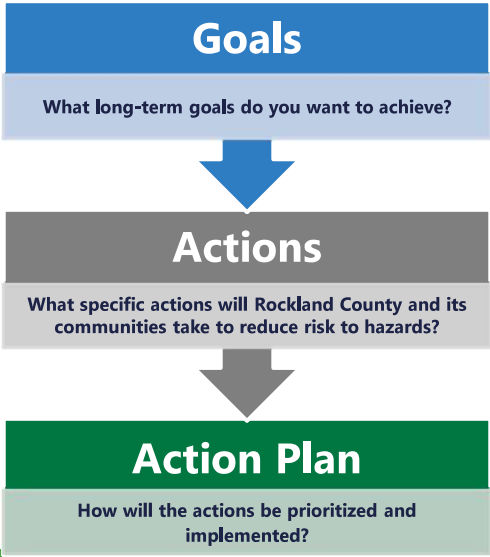



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Phase 5 – Mitigation Strategy


- Review 2018 mitigation actions and **provide status in your annex**
- 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!










Rockland County Hazard Mitigation Plan 2024 Update





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Reviewing Mitigation Strategies







Project Number	Project Name	Hazard(s) Addressed	Responsible Party	Brief Summary of the Original Problem and the Solution (Project)	Action Review 1. Status (In Progress, Ongoing Capability, No Progress, Complete) 2. Provide a narrative to describe progress or obstacles that have prevented implementation	Next Steps 1. Project to be included in the 2024 HMP or Discontinue 2. If including action in the 2024 HMP, revise/reword to be more specific (as appropriate). 3. If discontinue, explain why.
Airmont-1	Beaver Hollow Bank Erosion and Stabilization	Flood, Severe Storm, Nor'Easter	Village Engineer	Bank stabilization due to erosion is needed at Beaver Hollow. Conduct a study to see which methods are the most feasible to stabilize the bank. implement the actions.	1. 2.	1. 2. 3.
Airmont-2	Village Emergency Plan	All Hazards	Village Planner	The Village currently utilizes the Rockland County's Emergency Response Plan. Develop an individual Village Emergency Plan.	1. 2.	1. 2. 3.




Rockland County Hazard Mitigation Plan 2024 Update


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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?


Rockland County Hazard Mitigation Plan 2024 Update


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Phase 7 – Prepare the HMP Update



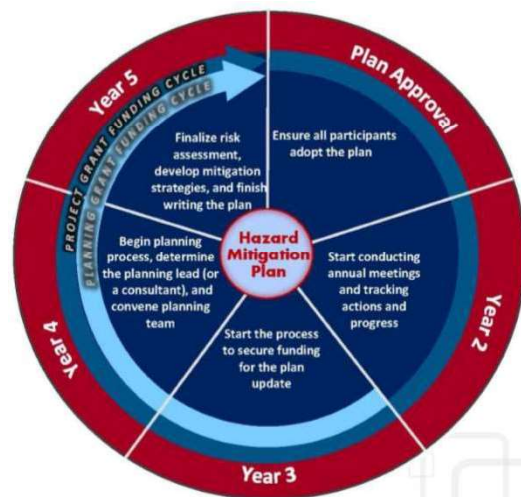
Volume I	Appendices	Volume II
Table of Contents	Sample Adoption Resolution	Planning Team
Executive Summary	Participation Matrix	Jurisdictional Annexes (25)
Introduction	Meeting Documentation	
Planning Process	Public and Stakeholder Outreach	
County Profile	Risk Assessment Information	
Risk Assessment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




Phase 8 – Adopt the Plan



- Once FEMA approves the HMP, the County and each jurisdiction will need to adopt the plan
- Tetra Tech will help you with that process
- Begin plan implementation and integration

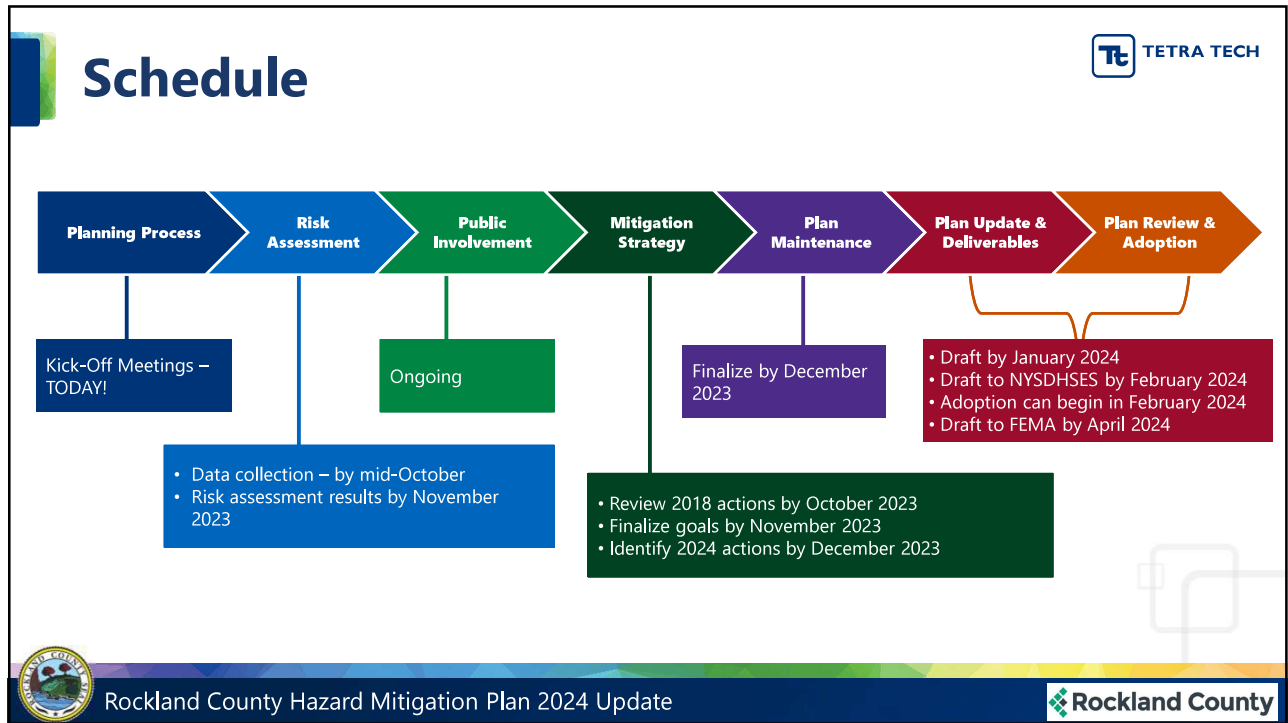




Project Schedule and Next Steps

Upcoming meetings and key milestones throughout the HMP update process

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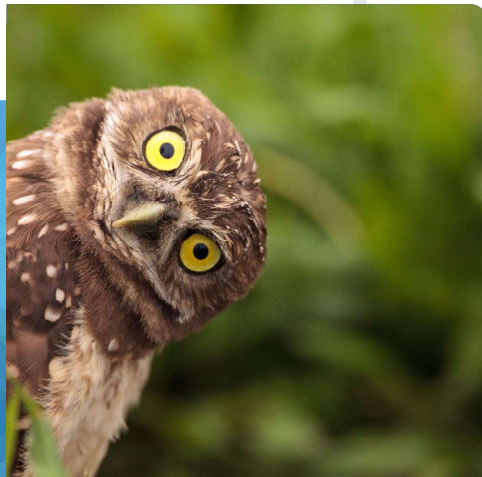


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Next Steps



Item	Due Date
Annexes distributed to municipalities	By Wednesday, October 11th
Complete online forms – hazard event history and NFIP questionnaire	Wednesday, October 18th
Provide status on 2018 mitigation actions	Friday, October 27th
Input on new development and building permits	Friday, October 27th
Identify problem areas	Friday, October 27 th
Review and update jurisdictional annexes	Friday, October 27 th
Risk assessment/mitigation workshop (in-person)	Early December (date TBD)
Draft plan presentation (virtual)	Early January 2024
Adopt HMP	February-March 2024



Questions?



Rockland County Project Contacts

Chris Jensen, Program Coordinator, Fire and Emergency Services
(845) 364-8902 | jensenc@co.rockland.ny.us

Tetra Tech Project Contacts

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

Rockland County, NY – Hazard Mitigation Plan 2024 Update
 Planning Partnership Kick-Off Meeting | Minutes



Purpose of Meeting:	Planning Partnership Kick-Off
Location of Meeting:	Rockland County Fire Training Center, Pomona, NY
Date of Meeting:	October 4, 2023 10:00AM – 11:00AM

<p>Attendees:</p> <ul style="list-style-type: none"> • Rockland County <ul style="list-style-type: none"> ○ Chris Jenson, Fire and Emergency ○ Allie Manigo, Fire and Emergency ○ Alfred Carnevale, Highway Department ○ Jake Palant, Planning Department ○ Rich Schiafo, Planning Department ○ Michael DiMola, Environmental Resources • Airmont (V) <ul style="list-style-type: none"> ○ John Queenan, Village Engineer • Clarkstown (V) <ul style="list-style-type: none"> ○ Daniel Maloney, Police Department/Office of Emergency Management • Grand View-on-Hudson (V) <ul style="list-style-type: none"> ○ Julie Pagliaroli, Village Clerk/Treasurer • Haverstraw (T) <ul style="list-style-type: none"> ○ George Behn, Building Department • Haverstraw (V) <ul style="list-style-type: none"> ○ Patrick McNamee, Fire Administrator ○ Linda Donnelly, Principal Clerk • New Hempstead (V) <ul style="list-style-type: none"> ○ Allison Weinraub, Village Clerk/Treasurer • New Square (V) <ul style="list-style-type: none"> ○ David Breuer, Emergency Services ○ Mordechai Greenburg • Nyack (V) <ul style="list-style-type: none"> ○ Ann Marie Tisty, Assistant to Village Administrator • Orangetown (T) <ul style="list-style-type: none"> ○ Stephen Munno, Highway Department 	<ul style="list-style-type: none"> • Piermont (V) <ul style="list-style-type: none"> ○ Nate Mitchell, Trustee • Ramapo (T) <ul style="list-style-type: none"> ○ Joshua Hans, Program Coordinator • Spring Valley (V) <ul style="list-style-type: none"> ○ Adam McCary, Village Commissioner • Stony Point (T) <ul style="list-style-type: none"> ○ Catherine Murray, Finance Department ○ Karl Javenes, Highway Department • Upper Nyack (V) <ul style="list-style-type: none"> ○ Georgia Grandstaff, Clerk • Wesley Hills (V) <ul style="list-style-type: none"> ○ Camille Guido-Downey, Village Clerk/Treasurer • West Haverstraw (V) <ul style="list-style-type: none"> ○ Anthony Sparta, Superintendent • Hillburn (V), Nyack (V), Haverstraw (V) <ul style="list-style-type: none"> ○ Eve Mancuso, Brooker Engineering • Chestnut Ridge (V), Montebello (V), Pomona (V) <ul style="list-style-type: none"> ○ Haris Aljovic, Spence Engineering • New York State <ul style="list-style-type: none"> ○ Elizabeth O'Reilly, Division of Homeland Security & Emergency Services (NYS DHSES) • Tetra Tech <ul style="list-style-type: none"> ○ Heather Apgar, Tetra Tech ○ Emma Kilkelly, Tetra Tech
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Agenda Summary: The purpose of the meeting was to introduce the Planning Partnership and contract consultant, provide an overview of the hazard mitigation planning process, and to begin the information gathering processes and update the hazards of concern.

Item No.	Description	Action item(s):
1	<p>Introductions</p> <ul style="list-style-type: none"> • Each person was asked to share their name and department 	-
2	<p>Hazard Mitigation Overview</p> <ul style="list-style-type: none"> • Mitigation is a sustained action taken to reduce or eliminate long-term risk to life and property from a hazard event • A Hazard Mitigation Plan (HMP) provides an overview of the impacts of natural hazards on communities and is a roadmap to reducing the impact of these hazards. <ul style="list-style-type: none"> ○ Attendees were asked to take a quick poll related to the hazards occurring the most in the County since 2021; majority indicted severe storms and winter storms • For the 2024 update, we will be following the revised April 2023 FEMA guidance for local plans 	-



<p>3</p>	<p>Project Organization</p> <ul style="list-style-type: none"> • To complete the HMP update, we will work with individuals, agencies, neighboring jurisdictions, businesses, and other partners • The project is organized by the following – <ul style="list-style-type: none"> ○ Core Planning Team - made up of Rockland County Fire and Emergency and Tetra Tech. This is a small group that will meet frequently to ensure the project stays on schedule and that we meet all State and FEMA requirements. ○ Steering Committee - responsible for providing guidance and leadership throughout the planning process. They will actively contribute, review and provide feedback on plan sections, update the plans’ goals and objectives, finalize the list of hazards of concern, and identify mitigation actions. ○ Planning Partnership – represents the participating jurisdictions. They will attend meetings, provide information, identify mitigation actions, and adopt the HMP. ○ Stakeholders - must be engaged throughout the planning process. At a minimum, this group should include neighboring counties, local and regional agencies involved in hazard mitigation activities, and agencies that have the authority to regulate development, as well as businesses, academia, and other private and nonprofit organizations. We will put together a draft list of stakeholders and ask for your input. ○ DHSES - provide the County guidance throughout the HMP update and will review/approve the plan before it is submitted to FEMA. 	<p>-</p>
<p>4</p>	<p>Planning Process Overview</p> <ul style="list-style-type: none"> • Following an eight-phase approach to update the HMP <ol style="list-style-type: none"> 1. Planning Process – ongoing throughout the update 2. Risk Assessment – identifies the risks of each hazard included in the plan <ul style="list-style-type: none"> ▪ Dam Failure ▪ Disease Outbreak ▪ Drought ▪ Extreme Temperature ▪ Flood ▪ Geologic Hazards ▪ Severe Weather ▪ Severe Winter Weather ▪ Wildfire 3. Public Involvement Strategy – ongoing throughout the plan update; we will use the County’s website and StoryMap to help with outreach <ul style="list-style-type: none"> ▪ New FEMA guidance emphasizes outreach to socially vulnerable communities and to include these populations in the Risk Assessment 4. Mitigation Strategy – review/finalize goals/objectives for 2024 HMP; review existing capabilities; review 2018 mitigation strategies and provide status; identify new strategies for the 2024 update 5. Plan Maintenance – determine the maintenance schedule of the 2024 HMP 6. Plan Update and Deliverables – update all sections of the HMP; provide to DHSES and FEMA for review and approval 7. Plan Adoption – the County and each participating municipality will adopt the plan after the HMP is approved by FEMA 	<p>Tetra Tech</p> <ul style="list-style-type: none"> • Provide outreach materials • Send social vulnerability method for review <p>Planning Partnership</p> <ul style="list-style-type: none"> • Provide input on the hazards of concern (link) • Assist with public outreach using materials provided by Tetra Tech • Provide input on 2018 mitigation actions



	8. Project Management and Coordination – ongoing throughout the update	
5	<p>Project Schedule</p> <ul style="list-style-type: none"> Steering Committee Kick-Off – September 26, 2023 Planning Partnership Kick-Off – October 4, 2023 Finalize goals, objectives, and hazards of concern – mid-October Risk Assessment Meeting – November 2023 Mitigation Strategy Meeting – December 2023 Plan maintenance – December 2023 Public Draft – January 2024 Draft to State for Review – February 2024 Plan Adoption – February 2024 Final Draft to FEMA – April 2024 	-
6	<p>Next Steps</p> <ul style="list-style-type: none"> Steering Committee and Planning Partnership to provide input on problem areas and new development <ul style="list-style-type: none"> Problem areas - https://arcg.is/1Svra01 New Development - https://arcg.is/1f5qaX Departments to share outreach materials and relevant data sources <ul style="list-style-type: none"> Please send screenshots/links to Tetra Tech so we can document in the plan 	<p>Tetra Tech</p> <ul style="list-style-type: none"> N/A <p>Planning Partnership</p> <ul style="list-style-type: none"> Provide input on problem areas - https://arcg.is/1Svra01 Provide input on new development - https://arcg.is/1f5qaX

Meeting Date: Wednesday, December 13, 2023
Meeting Location: Clover Stadium, 1 Phil Tisi Way, Pomona, NY 10970
Meeting Topic: Risk Assessment Review Meeting

Rockland County

Name	Title / Position	Agency/Department	Email	Present?
Alex Obremski	Director	Community Development	obremaska@co.rockland.ny.us	
Alfred Carnevale	Deputy Superintendent of Highways	Rockland County Highway Department	carnevaa@co.rockland.ny.us	✓
Allie Manigo	Data Entry	County Fire and Emergency Services	manigoa@co.rockland.ny.us	✓
Brianna Rosamilia	District Manager	Rockland County Dept. Environmental Services/SWCD	rosamilb@co.rockland.ny.us	
Christopher Jensen	Coordinator	County Fire and Emergency Services	jensenc@co.rockland.ny.us	✓
Doug Schuetz	Acting Commissioner	Rockland County Department of Planning	schuetzd@co.rockland.ny.us	
Eric Medina	Director Emergency Preparedness	Rockland County Health	medinae@co.rockland.ny.us	
Jacki Scott	Director	DBL	scottj@co.rockland.ny.us	
Jacob King	GIS Technician	Rockland County Department of Planning	kingj@co.rockland.ny.us	
Jake Palant	Associate Planner	Rockland County Department of Planning	palantj@co.rockland.ny.us	
Joseph DiCarlo	Director	Rockland County Probation	DiCarloJ@co.rockland.ny.us	
Martha Robles	Director	Rockland County Office for the Aging	roblesma@co.rockland.ny.us	
Mary Ellen DiStefano	Special Proj. Asst.	Rockland County Office for the Aging	distefam@co.rockland.ny.us	
Michael Dimola	Parks OPS		dimolam@co.rockland.ny.us	
Rich Schiafo	Deputy Commissioner	Rockland County Department of Planning	schiafr@co.rockland.ny.us	
Scott Lounsbury	GIS Coordinator	County GIS	lounsbu@co.rockland.ny.us	
Stephen Papas	CEO	United Way Rockland County	spapas@uwrc.org	
Vincent Altieriv	Executive Director	Rockland County Drainage Agency	altieriv@co.rockland.ny.us	
Andrew M. Connors		Highway Department	connorsa@co.rockland.ny.us	
Jennifer Zunino-Smith	Environmental Educator	Cornell University Cooperative Extension, Rockland County	Jmz75@cornell.edu	
Daniel Eudene	Executive Director	Catholic Charities Community Services of Rockland	daniel.eudene@ccrockland.org	

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Meeting Topic: Risk Assessment Review Meeting

Airmont (V)

Jurisdiction	Name	Title / Position	Agency/Department	Email	Present ?
Airmont (V)	Beth Ricker	Administrative Assistant	Lanc & Tully P.C.	bmr@lanctully.com	
Airmont (V)	John Queenan, P.E.	Village Engineer	Lanc & Tully P.C.	jq@lanctully.com	X
Airmont (V)	Louis Zummo	Building Inspector		buildinginspector@airmont.org	
Airmont (V)	Nathan Bubel	Mayor		nbubel@airmont.org	
Airmont (V)	Sharon Halon	Village Clerk		villageclerk@airmont.org	
Airmont (V)		Evergreen Landscaping	Highway Department	david@evergreenlandscapingusa.com	

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Meeting Topic: Mitigation Action Workshop

Chestnut Ridge (V)

Jurisdiction	Name	Title / Position	Agency/Department	Email	Present ?
Chestnut Ridge (V)	Haris Aljovic	Village Engineer		haljovic@spenceengineer.com	X

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Meeting Topic: Risk Assessment Review Meeting

Clarkstown (T)

Jurisdiction	Name	Title / Position	Agency/Department	Email	Present ?
Clarkstown (T)	Colin Schmitt	Director of Finance		C.Schmitt@clarkstown.gov	
Clarkstown (T)	Dan Maloney	Seargent	Clarkstown Police Department	D.Maloney@clarkstownpd.org	✓
Clarkstown (T)	Erik Asheim	Building Inspector	Building	E.Asheim@clarkstown.gov	
Clarkstown (T)	George Hoehmann	Town Supervisor		G.Hoemann@clarkstown.gov	
Clarkstown (T)	James Fay	Captain	Clarkstown Police Department	J.Fay@clarkstownpd.org	
Clarkstown (T)	Joe Simoes	Principal Town Planner	Planning	J.Simoes@clarkstown.gov	
Clarkstown (T)	Justin Sweet	Town Clerk		J.Sweet@clarkstown.gov	
Clarkstown (T)	Mike Gianatasio	Director	DEFM	M.Gianatasio@clarkstown.org	
Clarkstown (T)	Christopher Wagner	Director	Engineering	c.wagner@clarkstown.org	

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Meeting Topic: Mitigation Action Workshop

Grand View-On-Hudson (V)

Jurisdiction	Name	Title / Position	Agency/Department	Email	Present ?
Grand View-on-Hudson (V)	Bart Rodi	Village Engineer		bartrodi@hotmail.com	
Grand View-on-Hudson (V)	Joseph Knizeski	Building Inspector		building@gvoh-ny.gov	
Grand View-on-Hudson (V)	Julie Pagliaroli	Village Clerk/Treasurer		clerk@gvoh-ny.gov	
Grand View-on-Hudson (V)	Lawrence R. Lynn	Mayor		larrylynn49@hotmail.com	

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Meeting Location: Clover Stadium, 1 Phil Tisi Way, Pomona, NY 10970
Meeting Topic: Risk Assessment Review Meeting

Haverstraw (T)

Jurisdiction	Name	Title / Position	Agency/Department	Email	Present ?
Haverstraw (T)	George Behn	Building Inspector	Building Dept	gbehn@townofhaverstraw.org	✓
Haverstraw (T)	George Wargo	Superintendent of Highways		gwardo@townofhaverstraw.org	
Haverstraw (T)	Glenn McCreedy	Consultant Engineer		gmccreedy@civildesignworks.com	
Haverstraw (T)	Howrad T. Phillips	Town Supervisor		supervisor@townofhaverstraw.org	
Haverstraw (T)	Jerry Knapp	Emergency Coordinator		jknap23@aol.com	
Haverstraw (T)	Michael Gamboli	Director Finance		mgamboli@townofhaverstraw.org	
Haverstraw (T)	Michael Kauker	Consultant Planner		mdkauker@kaukerplan.com	
Haverstraw (T)	Raquel Ventura	Town Clerk		rventura@townofhaverstraw.org	

Meeting Date: Wednesday, December 13, 2023
Meeting Location: Clover Stadium, 1 Phil Tisi Way, Pomona, NY 10970
Meeting Topic: Mitigation Action Workshop

Haverstraw (V)

Jurisdiction	Name	Title / Position	Agency/Department	Email	Present ?
Haverstraw (V)	Eve Mancuso	Village Engineer <i>Eve Mancuso</i>		emancuso@brookerengineering.com	✓
Haverstraw (V)	Linda Donnelly	Principal Clerk	Department of Public Works	llivsey@westhaverstraw.org	✓
Haverstraw (V)	Michael Kohut			michael.kohut@yahoo.com	✓
Haverstraw (V)	Patrick McNamee	Fire Administrator		pateng38@aol.com	

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Meeting Topic: Mitigation Action Workshop

Hillburn (V)

Jurisdiction	Name	Title / Position	Agency/Department	Email	Present ?
Hillburn (V)	Eve Mancuso	Village Engineer	<i>Eve Mancuso</i>	emancuso@brookerengineering.com	<input checked="" type="checkbox"/>
Hillburn (V)	Joseph P. Tursi	Mayor		jptursi@hillburn.org	<input type="checkbox"/>

Meeting Date: Wednesday, December 13, 2023
Meeting Location: Clover Stadium, 1 Phil Tisi Way, Pomona, NY 10970
Meeting Topic: Mitigation Action Workshop

Kaser (V)

Jurisdiction	Name	Title / Position	Agency/Department	Email	Present ?
Kaser (V)	Bill Press	Building and Fire Inspector		kaser@ksrnet.com	
Kaser (V)	Binyomin Mermelstein	Clerk/Treasurer		kaser@ksrnet.com	✓
Kaser (V)	Eve Mancuso	Brooker Engineering	<i>EM</i>	emancuso@brookerengineering.com	✓

Meeting Date: Wednesday, December 13, 2023
Meeting Location: Clover Stadium, 1 Phil Tisi Way, Pomona, NY 10970
Meeting Topic: Risk Assessment Review Meeting

Montebello (V)

Jurisdiction	Name	Title / Position	Agency/Department	Email	Present ?
Montebello (V)	Haris Aljovic	Village Engineer		haljovic@spenceengineer.com	<input checked="" type="checkbox"/>
Montebello (V)	Joan Will	Village Clerk/Treasurer		jwill@villageofmontebello.com	<input type="checkbox"/>
Montebello (V)	Lance N. Millman	Mayor		mayor@villageofmontebello.com	<input type="checkbox"/>
Montebello (V)	Marcos Padilla	Code Enforcement Officer		mpadilla@villageofmontebello.com	<input type="checkbox"/>
Montebello (V)	Martin Spence	Village Engineer		mkspence@spenceengineer.com	<input type="checkbox"/>

Meeting Date: Wednesday, December 13, 2023
Meeting Location: Clover Stadium, 1 Phil Tisi Way, Pomona, NY 10970
Meeting Topic: Mitigation Action Workshop

New Hempstead (V)

Jurisdiction	Name	Title / Position	Agency/Department	Email	Present ?
New Hempstead (V)	Allison Weinraub	Village Clerk/Treasurer		aweinraub@newhempstead.org	
New Hempstead (V)	Avrohom Sicker	Mayor		mayor@newhempstead.org	
New Hempstead (V)	Dan Dodd	Building Inspector		dbd@fuscoengineering.com	
New Hempstead (V)	Glenn McCreedy	Village Engineer		gmccreedy@civildesignworks.com	
New Hempstead (V)	John Lange	Village Planner		johnflange62@gmail.com	

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New Square (V)

Jurisdiction	Name	Title / Position	Agency/Department	Email	Present ?
New Square (V)	Mordechai Greenburg			motty60@gmail.com	

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Nyack (V)

Jurisdiction	Name	Title / Position	Agency/Department	Email	Present ?
Nyack (V)	Andrew Stewart			administrator@nyack-ny.gov	
Nyack (V)	Andy Stewart	Village Administrator		administrator@nyack-ny.gov	AYS
Nyack (V)	Ann Mari Tisty	Assistant to Village Administrator		annmarietlsty@nyack-ny.gov	
Nyack (V)	Bob Galvin, AICP			marketstat@aol.com; planning@nyack-ny.gov	
Nyack (V)	Don Hammond	Mayor		dhammon@nyack-ny.gov	
Nyack (V)	Eve Mancuso	Village Engineer	Brooker Engineering	emancuso@brookerengineering.com	EM
Nyack (V)	Jennifer Hetling	Clerk/Treasurer		clerktreasurer@nyack-ny.gov	
Nyack (V)	Jim Petriello	Fire Chief	Nyack Fire Department	petriello2@verizon.net	
Nyack (V)	Jon Abrams		Public Works	dpw@nyack-ny.gov	
Nyack (V)	Manny Carmona	Building Inspector		chiefbuildinginspector@nyack-ny.gov	
Nyack (V)	Robert Galvin	Building Department		marketstat@aol.com	

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Orangetown (T)

Jurisdiction	Name	Title / Position	Agency/Department	Email	Present ?
Orangetown (T)	Eamon Reilly	Commissioner	Department of Environmental Management and Engineering	ereilly@orangetown.com	
Orangetown (T)	James Dean	Superintendent of Highways		jdean@orangetown.com	
Orangetown (T)	Jane Slavin	Director of OBZPAE		jslavin@orangetown.com	
Orangetown (T)	PO Michael Yannazzone, Jr.	Chairperson	Office of Emergency Management	royannazzonejr@orangetown.com	
Orangetown (T)	Rosanna Sfraga	Town Clerk		rsfraga@orangetown.com	
Orangetown (T)	Stephen Munno	Senior Administrative Assistant		smunno @orangetown.com	✓
Orangetown (T)	Teresa M. Kenny	Town Supervisor		supervisor@orangetown.com	
Orangetown (T)	Eamon Reilly	Commissioner	Department of Environmental Management and Engineering	ereilly@orangetown.com	

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Piermont (V)

Jurisdiction	Name	Title / Position	Agency/Department	Email	Present ?
Piermont (V)	Bart Rodi	Village Engineer		bartrodi@hotmail.com	
Piermont (V)	Bruce Tucker	Mayor		btucker@piermont-ny.gov	
Piermont (V)	Charles Schaub	Building Inspector		building@piermont-ny.gov	
Piermont (V)	Daniel Spitzer	Planning Board Chair		desmdpcc@me.com	
Piermont (V)	Jennifer DeYorki Maher ✓	Clerk/Treasurer		clerk@piermont-ny.gov	Yes
Piermont (V)	Larry Cabrera	Fire Chief		larry.cabrera13@outlook.com	
Piermont (V)	Michele Marzo	Deputy Clerk/Treasurer		deputyclerk@piermont-ny.gov	
Piermont (V)	Nate Mitchell	Trustee	Village Board	nmitchell@piermont-ny.gov	
Piermont (V)	Thomas Temple	Superintendent of Public Works		ttemple@piermont-ny.gov	

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Pomona (V)

Jurisdiction	Name	Title / Position	Agency/Department	Email	Present ?
Pomona (V)	Haris Aljovic	Village Engineer		haljovic@spenceengineer.com	

Need a new POC.

Jenna Antoinette

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Ramapo (T)

Jurisdiction	Name	Title / Position	Agency/Department	Email	Present ?
Ramapo (T)	Captain Daniel Hyman	Captain	Ramapo Police	hymanD@ramapoPD.org	
Ramapo (T)	Ian Smith	Chief Building Inspector		smithI@ramapo.org	
Ramapo (T)	Joshua Hans	Program Coordinator	Office of Emergency Preparedness and Safety	hansJ@ramapo.org	✓
Ramapo (T)	Michael Klatsky			klatskym@ramapo.org	✓
Ramapo (T)	Michael Specht	Town Supervisor		SpechtM@ramapo.org	
Ramapo (T)	Mike Sadowski	Deputy Director	DPW	sadowskim@ramapo.org	
Ramapo (T)	Mona Montal	Chief of Staff		montalm@ramapo.org	
Ramapo (T)	Paul Gdanski	Engineer	DPW	gdanskip@ramapo.org	
Ramapo (T)	Sara Osherovitz	Town Clerks		osherovitzs@ramapo.org	

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Sloatsburg (V)

Jurisdiction	Name	Title / Position	Agency/Department	Email	Present ?
Sloatsburg (V)	Eve Mancuso	Village Engineer		evemancuso@gmail.com	<input checked="" type="checkbox"/>
Sloatsburg (V)	Mary Hahn			maryhahn@sloatsburgny.com	<input type="checkbox"/>

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Spring Valley (V)

Jurisdiction	Name	Title / Position	Agency/Department	Email	Present ?
Spring Valley (V)	Matthew Jones	Department of Community Development		mjones@villagespringvalley.org	X
Spring Valley (V)	Alan Simon	Mayor		asimon@villagespringvalley.org	
Spring Valley (V)	Brian Wagner	Deputy Village Clerk		bwagner@villagespringvalley.org	
Spring Valley (V)	Diana Montgomery	Village Clerk		dmontgomery@villagespringvalley.org	
Spring Valley (V)	Michael D. Kauker	Land Use		mdkauker@kaukerplan.com	
Spring Valley (V)	Nabil Ghanem	Engineer		nabil.ghanem@collierseng.com	
Spring Valley (V)	Raymond Canario	Building and Public Works		rcanario@villagespringvalley.org	X
Spring Valley (V)	Matthew Jones	Department of Community Development		mjones@villagespringvalley.org	

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Stony Point (T)

Jurisdiction	Name	Title / Position	Agency/Department	Email	Present ?
Stony Point (T)	Catherine Murray	Director of Finance		cmurray@townofstonypoint.org	
Stony Point (T)	Jim Monaghan	Supervisor		Supervisor@townofstonypoint.org	
Stony Point (T)	John Hager	Building Inspector		jhager@townofstonypoint.org	✓ JH
Stony Point (T)	John O'Rourke	Town Engineer		jor@lanctully.com	
Stony Point (T)	Karl Javenes	Superintendent of Highways		kjavenes@townofstonypoint.org	
Stony Point (T)	Max Stach	Town Planner		maxstach@nelsonpope.com	
Stony Point (T)	Megan Carey	Town Clerk		mcarey@townofstonypoint.org	
Stony Point (T)	Mike Dempsey	Deputy Building Inspector		mdempsey@townofstonypoint.org	
Stony Point (T)	Paul Joachim	Deputy Supervisor		pjoachim@townofstonypoint.org	
Stony Point (T)	Stevie Scurti	Emergency Operations Coordinator		spchief601@msn.com	

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Suffern (V)

Jurisdiction	Name	Title / Position	Agency/Department	Email	Present ?
Suffern (V)	Charles W. Sawicki	Director of Public Works		csawicki@suffernny.gov	X
Suffern (V)	Danielle Curtin	DPW Clerk		dcurtin@suffernny.gov	

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Upper Nyack (V)

Jurisdiction	Name	Title / Position	Agency/Department	Email	Present ?
Upper Nyack (V)	Dennis Letson			village.engineer@uppernyack-ny.us	
Upper Nyack (V)	Georgia Grandstaff	Village Clerk		village.clerk@uppernyack-ny.us	

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Wesley Hills (V)

Jurisdiction	Name	Title / Position	Agency/Department	Email	Present ?
Wesley Hills (V)	Bill Press	Code Enforcement Officer		codeenforcement@wesleyhills.org	
Wesley Hills (V)	Camille Guido-Downey ✓	Village Clerk/Treasurer		villageclerk@wesleyhills.org	X
Wesley Hills (V)	John C Layne	Building Inspector		buildinginspector@wesleyhills.org	
Wesley Hills (V)	Jonathan T. Lockman, AICP	Principal Environmental Planner		jlockman@nelsonpoppe.com	
Wesley Hills (V)	Marshall Katz	Mayor		mayor@wesleyhills.org	

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West Haverstraw (V)

Jurisdiction	Name	Title / Position	Agency/Department	Email	Present ?
West Haverstraw (V)	Anthony Sparta	DPW Superintendent		asparta@westhaverstraw.org	<input checked="" type="checkbox"/>
West Haverstraw (V)	Mayor Robert R. D'Amelio			Mayor@westhaverstraw.org	<input type="checkbox"/>

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Other

Jurisdiction	Name	Title / Position	Agency/Department	Email	Present ?
	Elizabeth O'Rielly		NYS DHSES		Y
State	Gary Tuttle	Regional Director	NYS DHSES OEM	Gary.Tuttle@DHSES.NY.Gov	Y
	Michael Tarasoff		NYS DHSES		Y

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Rockland County

Name	Title / Position	Agency/Department	Email	Present?
Alex Obremski	Director	Community Development	obremaska@co.rockland.ny.us	
Alfred Carnevale	Deputy Superintendent of Highways	Rockland County Highway Department	carnevaa@co.rockland.ny.us	✓
Allie Manigo	Data Entry	County Fire and Emergency Services	manigoa@co.rockland.ny.us	✓
Brianna Rosamilia	District Manager	Rockland County Dept. Environmental Services/SWCD	rosamilb@co.rockland.ny.us	
Christopher Jensen	Coordinator	County Fire and Emergency Services	jensenc@co.rockland.ny.us	✓
Doug Schuetz	Acting Commissioner	Rockland County Department of Planning	schuetzd@co.rockland.ny.us	
Eric Medina	Director Emergency Preparedness	Rockland County Health	medinae@co.rockland.ny.us	
Jacki Scott	Director	DBL	scottj@co.rockland.ny.us	
Jacob King	GIS Technician	Rockland County Department of Planning	kingj@co.rockland.ny.us	
Jake Palant	Associate Planner	Rockland County Department of Planning	palantj@co.rockland.ny.us	
Joseph DiCarlo	Director	Rockland County Probation	DiCarloJ@co.rockland.ny.us	
Martha Robles	Director	Rockland County Office for the Aging	roblesma@co.rockland.ny.us	
Mary Ellen DiStefano	Special Proj. Asst.	Rockland County Office for the Aging	distefam@co.rockland.ny.us	
Michael Dimola	Parks OPS		dimolam@co.rockland.ny.us	
Rich Schiafo	Deputy Commissioner	Rockland County Department of Planning	schiafr@co.rockland.ny.us	
Scott Lounsbury	GIS Coordinator	County GIS	lounsbu@co.rockland.ny.us	
Stephen Papas	CEO	United Way Rockland County	spapas@uwrc.org	
Vincent Altieriv	Executive Director	Rockland County Drainage Agency	altieriv@co.rockland.ny.us	
Andrew M. Connors		Highway Department	connorsa@co.rockland.ny.us	
Jennifer Zunino-Smith	Environmental Educator	Cornell University Cooperative Extension, Rockland County	Jmz75@cornell.edu	
Daniel Eudene	Executive Director	Catholic Charities Community Services of Rockland	daniel.eudene@ccrockland.org	

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Airmont (V)

Jurisdiction	Name	Title / Position	Agency/Department	Email	Present?
Airmont (V)	Beth Ricker	Administrative Assistant	Lanc & Tully P.C.	bmr@lanctully.com	
Airmont (V)	John Queenan, P.E.	Village Engineer	Lanc & Tully P.C.	jq@lanctully.com	<input checked="" type="checkbox"/>
Airmont (V)	Louis Zummo	Building Inspector		buildinginspector@airmont.org	
Airmont (V)	Nathan Bubel	Mayor		nbubel@airmont.org	
Airmont (V)	Sharon Halon	Village Clerk		villageclerk@airmont.org	
Airmont (V)		Evergreen Landscaping	Highway Department	david@evergreenlandscapingusa.com	

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Chestnut Ridge (V)

Jurisdiction	Name	Title / Position	Agency/Department	Email	Present ?
Chestnut Ridge (V)	Haris Aljovic	Village Engineer		haljovic@spenceengineer.com	X

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Clarkstown (T)

Jurisdiction	Name	Title / Position	Agency/Department	Email	Present ?
Clarkstown (T)	Colin Schmitt	Director of Finance		C.Schmitt@clarkstown.gov	
Clarkstown (T)	Dan Maloney	Seargent	Clarkstown Police Department	D.Maloney@clarkstownpd.org	X
Clarkstown (T)	Erik Asheim	Building Inspector	Building	E.Asheim@clarkstown.gov	
Clarkstown (T)	George Hoehmann	Town Supervisor		G.Hoemann@clarkstown.gov	
Clarkstown (T)	James Fay	Captain	Clarkstown Police Department	J.Fay@clarkstownpd.org	
Clarkstown (T)	Joe Simoes	Principal Town Planner	Planning	J.Simoes@clarkstown.gov	
Clarkstown (T)	Justin Sweet	Town Clerk		J.Sweet@clarkstown.gov	
Clarkstown (T)	Mike Gianatasio	Director	DEFM	M.Gianatasio@clarkstown.org	
Clarkstown (T)	Christopher Wagner	Director	Engineering	c.wagner@clarkstown.org	

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Grand View-On-Hudson (V)

Jurisdiction	Name	Title / Position	Agency/Department	Email	Present ?
Grand View-on-Hudson (V)	Bart Rodi	Village Engineer		bartrodi@hotmail.com	
Grand View-on-Hudson (V)	Joseph Knizeski	Building Inspector		building@gvoh-ny.gov	
Grand View-on-Hudson (V)	Julie Pagliaroli	Village Clerk/Treasurer		clerk@gvoh-ny.gov	
Grand View-on-Hudson (V)	Lawrence R. Lynn	Mayor		larrylynn49@hotmail.com	


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Haverstraw (T)

Jurisdiction	Name	Title / Position	Agency/Department	Email	Present ?
Haverstraw (T)	George Behn	Building Inspector		gbehn@townofhaverstraw.org	<input checked="" type="checkbox"/>
Haverstraw (T)	George Wargo	Superintendent of Highways		gwardo@townofhaverstraw.org	<input type="checkbox"/>
Haverstraw (T)	Glenn McCreedy	Consultant Engineer		gmccreedy@civildesignworks.com	<input type="checkbox"/>
Haverstraw (T)	Howrad T. Phillips	Town Supervisor		supervisor@townofhaverstraw.org	<input type="checkbox"/>
Haverstraw (T)	Jerry Knapp	Emergency Coordinator		jknapp23@aol.com	<input type="checkbox"/>
Haverstraw (T)	Michael Gamboli	Director Finance		mgamboli@townofhaverstraw.org	<input type="checkbox"/>
Haverstraw (T)	Michael Kauker	Consultant Planner		mdkauker@kaukerplan.com	<input type="checkbox"/>
Haverstraw (T)	Raquel Ventura	Town Clerk		rventura@townofhaverstraw.org	<input type="checkbox"/>

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Haverstraw (V)

Jurisdiction	Name	Title / Position	Agency/Department	Email	Present ?
Haverstraw (V)	Eve Mancuso	Village Engineer		emancuso@brookerengineering.com	✓
Haverstraw (V)	Linda Donnelly	Principal Clerk	Department of Public Works	llivsey@westhaverstraw.org	✓
Haverstraw (V)	Michael Kohut			michael.kohut@yahoo.com	✓
Haverstraw (V)	Patrick McNamee	Fire Administrator		pateng38@aol.com	

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Hillburn (V)

Jurisdiction	Name	Title / Position	Agency/Department	Email	Present ?
Hillburn (V)	Eve Mancuso	Village Engineer		emancuso@brookerengineering.com	<input checked="" type="checkbox"/>
Hillburn (V)	Joseph P. Tursi	Mayor		jptursi@hillburn.org	<input type="checkbox"/>

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Kaser (V)

Jurisdiction	Name	Title / Position	Agency/Department	Email	Present ?
Kaser (V)	Bill Press	Building and Fire Inspector		kaser@ksrnet.com	
Kaser (V)	Binyomin Mermelstein	Clerk/Treasurer		kaser@ksrnet.com	X
Kaser (V)	Eve Mancuso	Brooker Engineering		emancuso@brookerengineering.com	✓

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Montebello (V)

Jurisdiction	Name	Title / Position	Agency/Department	Email	Present ?
Montebello (V)	Haris Aljovic	Village Engineer		haljovic@spenceengineer.com	X
Montebello (V)	Joan Will	Village Clerk/Treasurer		jwill@villageofmontebello.com	
Montebello (V)	Lance N. Millman	Mayor		mayor@villageofmontebello.com	
Montebello (V)	Marcos Padilla	Code Enforcement Officer		mpadilla@villageofmontebello.com	
Montebello (V)	Martin Spence	Village Engineer		mkspace@spenceengineer.com	

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New Hempstead (V)

Jurisdiction	Name	Title / Position	Agency/Department	Email	Present ?
New Hempstead (V)	Allison Weinraub	Village Clerk/Treasurer		aweinraub@newhempstead.org	
New Hempstead (V)	Avrohom Sicker	Mayor		mayor@newhempstead.org	
New Hempstead (V)	Dan Dodd	Building Inspector		dbd@fuscoengineering.com	
New Hempstead (V)	Glenn McCreedy	Village Engineer		gmccreedy@civildesignworks.com	
New Hempstead (V)	John Lange	Village Planner		johnflange62@gmail.com	

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New Square (V)

Jurisdiction	Name	Title / Position	Agency/Department	Email	Present ?
New Square (V)	Mordechai Greenburg			motty60@gmail.com	

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Nyack (V)

Jurisdiction	Name	Title / Position	Agency/Department	Email	Present ?
Nyack (V)	Andrew Stewart			administrator@nyack-ny.gov	
Nyack (V)	Andy Stewart	Village Administrator		administrator@nyack-ny.gov	✓
Nyack (V)	Ann Mari Tlsty	Assistant to Village Administrator		annmarietlsty@nyack-ny.gov	
Nyack (V)	Bob Galvin, AICP			marketstat@aol.com; planning@nyack-ny.gov	
Nyack (V)	Don Hammond	Mayor		dhammon@nyack-ny.gov	
Nyack (V)	Eve Mancuso	Village Engineer	Brooker Engineering <i>BW</i>	emancuso@brookerengineering.com	✓
Nyack (V)	Jennifer Hetling	Clerk/Treasurer		clerktreasurer@nyack-ny.gov	
Nyack (V)	Jim Petriello	Fire Chief	Nyack Fire Department	petriello2@verizon.net	
Nyack (V)	Jon Abrams		Public Works	dpw@nyack-ny.gov	
Nyack (V)	Manny Carmona	Building Inspector		chiefbuildinginspector@nyack-ny.gov	
Nyack (V)	Robert Galvin	Building Department		marketstat@aol.com	

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Orangetown (T)

Jurisdiction	Name	Title / Position	Agency/Department	Email	Present ?
Orangetown (T)	Eamon Reilly	Commissioner	Department of Environmental Management and Engineering	ereilly@orangetown.com	
Orangetown (T)	James Dean	Superintendent of Highways		jdean@orangetown.com	
Orangetown (T)	Jane Slavin	Director of OBZPAE		jslavin@orangetown.com	
Orangetown (T)	PO Michael Yannazzone, Jr.	Chairperson	Office of Emergency Management	royannazzonejr@orangetown.com	
Orangetown (T)	Rosanna Sfraga	Town Clerk		rsfraga@orangetown.com	
Orangetown (T)	Stephen Munno	Senior Administrative Assistant		smunno @orangetown.com	✓
Orangetown (T)	Teresa M. Kenny	Town Supervisor		supervisor@orangetown.com	
Orangetown (T)	Eamon Reilly	Commissioner	Department of Environmental Management and Engineering	ereilly@orangetown.com	

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Piermont (V)

Jurisdiction	Name	Title / Position	Agency/Department	Email	Present ?
Piermont (V)	Bart Rodi	Village Engineer		bartrodi@hotmail.com	
Piermont (V)	Bruce Tucker	Mayor		btucker@piermont-ny.gov	
Piermont (V)	Charles Schaub	Building Inspector		building@piermont-ny.gov	
Piermont (V)	Daniel Spitzer	Planning Board Chair		desmdpcc@me.com	
Piermont (V)	Jennifer DeYorki Maher	Clerk/Treasurer		clerk@piermont-ny.gov	✓
Piermont (V)	Larry Cabrera	Fire Chief		larry.cabrera13@outlook.com	
Piermont (V)	Michele Marzo	Deputy Clerk/Treasurer		deputyclerk@piermont-ny.gov	
Piermont (V)	Nate Mitchell	Trustee	Village Board	nmitchell@piermont-ny.gov	
Piermont (V)	Thomas Temple	Superintendent of Public Works		ttemple@piermont-ny.gov	

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Pomona (V)

Jurisdiction	Name	Title / Position	Agency/Department	Email	Present ?
Pomona (V)	Haris Aljovic	Village Engineer		haljovic@spenceengineer.com	

*Need a
new poc.
Jenna
Antoine*

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Ramapo (T)

Jurisdiction	Name	Title / Position	Agency/Department	Email	Present ?
Ramapo (T)	Captain Daniel Hyman	Captain	Ramapo Police	hymanD@ramapoPD.org	
Ramapo (T)	Ian Smith	Chief Building Inspector		smithI@ramapo.org	
Ramapo (T)	Joshua Hans	Program Coordinator	Office of Emergency Preparedness and Safety	hansJ@ramapo.org	✓
Ramapo (T)	Michael Klatsky			klatskym@ramapo.org	✓
Ramapo (T)	Michael Specht	Town Supervisor		SpechtM@ramapo.org	
Ramapo (T)	Mike Sadowski	Deputy Director	DPW	sadowskim@ramapo.org	
Ramapo (T)	Mona Montal	Chief of Staff		montalm@ramapo.org	
Ramapo (T)	Paul Gdanski	Engineer	DPW	gdanskip@ramapo.org	
Ramapo (T)	Sara Osherovitz	Town Clerks		osherovitzs@ramapo.org	

Meeting Date: Wednesday, December 13, 2023
Meeting Location: Clover Stadium, 1 Phil Tisi Way, Pomona, NY 10970
Meeting Topic: Risk Assessment Review Meeting

Sloatsburg (V)

Jurisdiction	Name	Title / Position	Agency/Department	Email	Present ?
Sloatsburg (V)	Eve Mancuso	Village Engineer		evemancuso@gmail.com	X
Sloatsburg (V)	Mary Hahn			maryhahn@sloatsburgny.com	

Meeting Date: Wednesday, December 13, 2023
Meeting Location: Clover Stadium, 1 Phil Tisi Way, Pomona, NY 10970
Meeting Topic: Risk Assessment Review Meeting

Spring Valley (V)

Jurisdiction	Name	Title / Position	Agency/Department	Email	Present ?
Spring Valley (V)	Matthew Jones	Department of Community Development		mjones@villagespringvalley.org	X
Spring Valley (V)	Alan Simon	Mayor		asimon@villagespringvalley.org	
Spring Valley (V)	Brian Wagner	Deputy Village Clerk		bwagner@villagespringvalley.org	
Spring Valley (V)	Diana Montgomery	Village Clerk		dmontgomery@villagespringvalley.org	
Spring Valley (V)	Michael D. Kauker	Land Use		mdkauker@kaukerplan.com	
Spring Valley (V)	Nabil Ghanem	Engineer		nabil.ghanem@collierseng.com	
Spring Valley (V)	Raymond Canario	Building and Public Works		rcanario@villagespringvalley.org	X
Spring Valley (V)	Matthew Jones	Department of Community Development		mjones@villagespringvalley.org	

Meeting Date: Wednesday, December 13, 2023
Meeting Location: Clover Stadium, 1 Phil Tisi Way, Pomona, NY 10970
Meeting Topic: Risk Assessment Review Meeting

Stony Point (T)

Jurisdiction	Name	Title / Position	Agency/Department	Email	Present ?
Stony Point (T)	Catherine Murray	Director of Finance		cmurray@townofstonypoint.org	
Stony Point (T)	Jim Monaghan	Supervisor		Supervisor@townofstonypoint.org	
Stony Point (T)	John Hager	Building Inspector		jhager@townofstonypoint.org	✓
Stony Point (T)	John O'Rourke	Town Engineer		jor@lanctully.com	
Stony Point (T)	Karl Javenes	Superintendent of Highways		kjavenes@townofstonypoint.org	
Stony Point (T)	Max Stach	Town Planner		maxstach@nelsonpoppe.com	
Stony Point (T)	Megan Carey	Town Clerk		mcarey@townofstonypoint.org	
Stony Point (T)	Mike Dempsey	Deputy Building Inspector		mdempsey@townofstonypoint.org	
Stony Point (T)	Paul Joachim	Deputy Supervisor		pjoachim@townofstonypoint.org	
Stony Point (T)	Stevie Scurti	Emergency Operations Coordinator		spchief601@msn.com	

Meeting Date: Wednesday, December 13, 2023
Meeting Location: Clover Stadium, 1 Phil Tisi Way, Pomona, NY 10970
Meeting Topic: Risk Assessment Review Meeting

Suffern (V)

Jurisdiction	Name	Title / Position	Agency/Department	Email	Present ?
Suffern (V)	Charles W. Sawicki	Director of Public Works		csawicki@suffernny.gov	X
Suffern (V)	Danielle Curtin	DPW Clerk		dcurtin@suffernny.gov	

Meeting Date: Wednesday, December 13, 2023
Meeting Location: Clover Stadium, 1 Phil Tisi Way, Pomona, NY 10970
Meeting Topic: Risk Assessment Review Meeting

Upper Nyack (V)

Jurisdiction	Name	Title / Position	Agency/Department	Email	Present ?
Upper Nyack (V)	Dennis Letson			village.engineer@uppernyack-ny.us	
Upper Nyack (V)	Georgia Grandstaff	Village Clerk		village.clerk@uppernyack-ny.us	

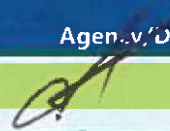
Meeting Date: Wednesday, December 13, 2023
Meeting Location: Clover Stadium, 1 Phil Tisi Way, Pomona, NY 10970
Meeting Topic: Risk Assessment Review Meeting

Wesley Hills (V)

Jurisdiction	Name	Title / Position	Agency/Department	Email	Present ?
Wesley Hills (V)	Bill Press	Code Enforcement Officer		codeenforcement@wesleyhills.org	
Wesley Hills (V)	Camille Guido-Downey	Village Clerk/Treasurer		villageclerk@wesleyhills.org	X
Wesley Hills (V)	John C Layne	Building Inspector		buildinginspector@wesleyhills.org	
Wesley Hills (V)	Jonathan T. Lockman, AICP	Principal Environmental Planner		jlockman@nelsonpope.com	
Wesley Hills (V)	Marshall Katz	Mayor		mayor@wesleyhills.org	

Meeting Date: Wednesday, December 13, 2023
Meeting Location: Clover Stadium, 1 Phil Tisi Way, Pomona, NY 10970
Meeting Topic: Mitigation Action Workshop

West Haverstraw (V)

Jurisdiction	Name	Title / Position	Agency / Department	Email	Present ?
West Haverstraw (V)	Anthony Sparta	DPW Superintendent		asparta@westhaverstraw.org	<input checked="" type="checkbox"/>
West Haverstraw (V)	Mayor Robert R. D'Amelio			Mayor@westhaverstraw.org	<input type="checkbox"/>

Meeting Date: Wednesday, December 13, 2023
Meeting Location: Clover Stadium, 1 Phil Tisi Way, Pomona, NY 10970
Meeting Topic: Mitigation Action Workshop

Other

Jurisdiction	Name	Title / Position	Agency/Department	Email	Present ?
NYSDHSES	Elizabeth O'Riley				Y
State	Gary Tutill	Regional Director	NYS DHSES OEM	Gary.Tutill@DHSES.NY.GOV	Y
NYSDHSES	Michael Tarasoff				Y



Tt TETRA TECH

Rockland County Hazard Mitigation Plan 2024 Update

Planning Partnership Risk Assessment Meeting
December 13, 2023 | 10:00 am

Leading with Science®

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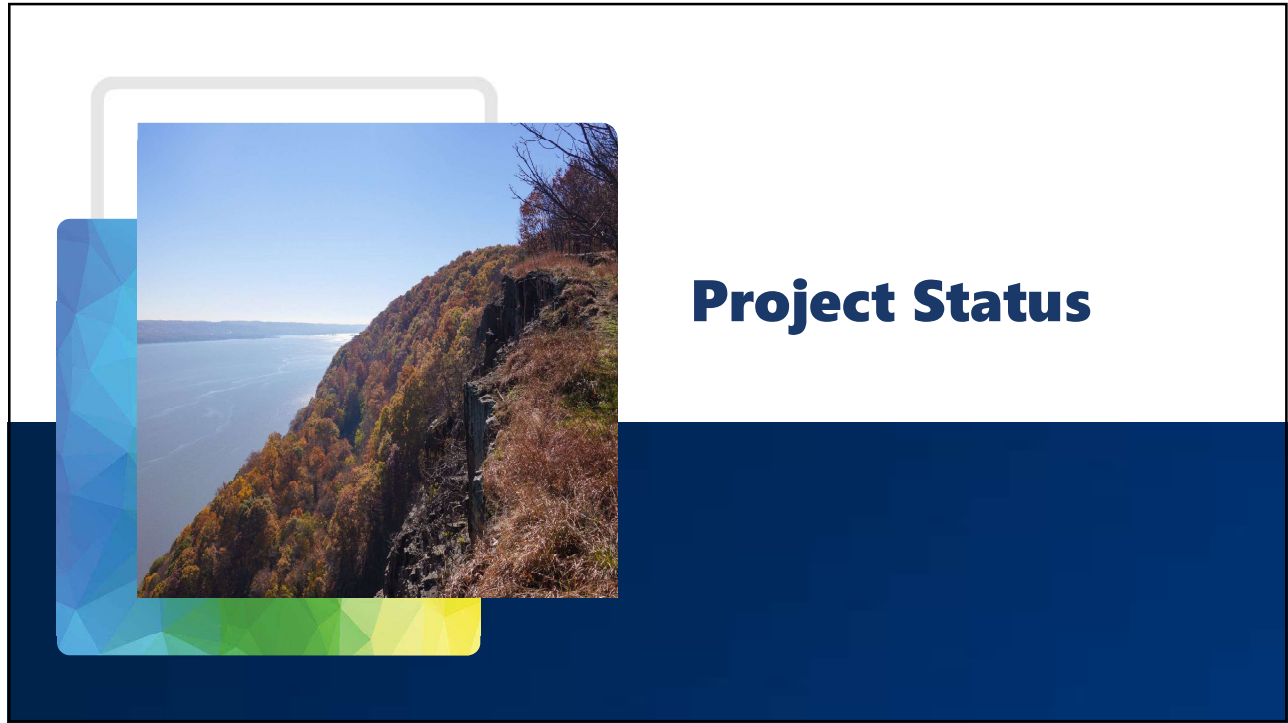


Today's Agenda

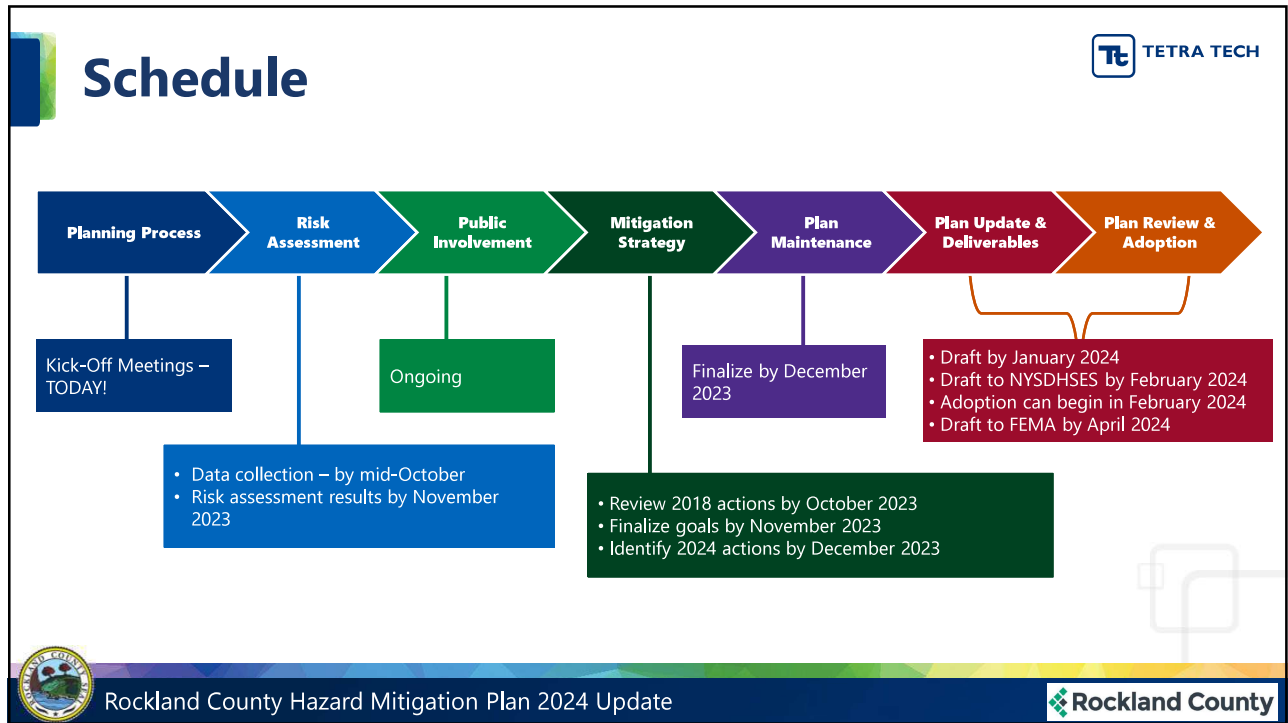
1. Welcome
2. Progress Report
3. Public and Stakeholder Outreach
4. Risk Assessment Overview
5. Hazard Ranking
6. SWOO
7. Schedule
8. Questions/Wrap Up



2




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Municipal Participation Status




Jurisdiction	Participating?	Status	Jurisdiction	Participating?	Status
Rockland County	Yes	Annex up-to-date	Orangetown (T)	Yes	Annex updated; need status of 2019 actions
Airmont (V)	Yes	Annex up-to-date	Piermont (V)	Yes	Annex up-to-date
Chestnut Ridge (V)	Yes	Annex up-to-date	Pomona (V)	Yes	Annex updated; need status of 2019 actions
Clarkstown (T)	Yes	Annex updated; need status of 2019 actions	Ramapo (T)	Yes	Annex up-to-date
Grand View-on-Hudson (V)	Yes	Annex updated; need status of 2019 actions	Sloatsburg (V)	Yes	Annex up-to-date
Haverstraw (T)	Yes	Missing NFIP input; need status of 2019 actions	Spring Valley (V)	Yes	Annex updated; need status of 2019 actions
Haverstraw (V)	Yes	Missing hazard event history and NFIP input; need status of 2019 actions	Stony Point (T)	Yes	Annex up-to-date
Hillburn (V)	Yes	Annex up-to-date	Suffern (V)	Yes	Missing hazard event history and NFIP input; need status of 2019 actions
Kaser (V)	Yes	Missing hazard event history and NFIP input; need status of 2019 actions	Upper Nyack (V)	Yes	Annex updated; need status of 2019 actions
Montebello (V)	Yes	Missing hazard event history and NFIP input; need status of 2019 actions	Wesley Hills (V)	Yes	Annex up-to-date
New Hempstead (V)	Yes	Annex updated; need status of 2019 actions	West Haverstraw (V)	Yes	Missing NFIP input; need status of 2019 actions
New Square (V)	Yes	Missing hazard event history and NFIP input; need status of 2019 actions			
Nyack (V)	Yes	Annex updated; need status of 2019 actions			





Rockland County Hazard Mitigation Plan 2024 Update




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Public and Stakeholder Outreach




- Public Outreach Toolkit –
 - Social media templates and posts
 - Printable materials
- Surveys
 - Stakeholders
 - Neighboring communities
 - Public
- HMP website - <https://rocklandhmp.com/>
- StoryMap – Coming Soon!


Rockland County Hazard Mitigation Plan 2024 Update


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Risk Assessment Overview and Results

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What is Risk?


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




RISK = HAZARD x EXPOSURE


HAZARD vs RISK

A HAZARD is something that has the potential to harm you



RISK is the likelihood of a hazard causing harm





Rockland County Hazard Mitigation Plan 2024 Update

County

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Purpose of the Risk Assessment

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

Spatial Hazard Data
+
County Specific Building Data
+
Scientific Modeling (HAZUS v5 & ArcGIS)
+
Historic Data
→ Comprehensive List of Expected Damages (\$\$\$)

Rockland County Hazard Mitigation Plan 2024 Update

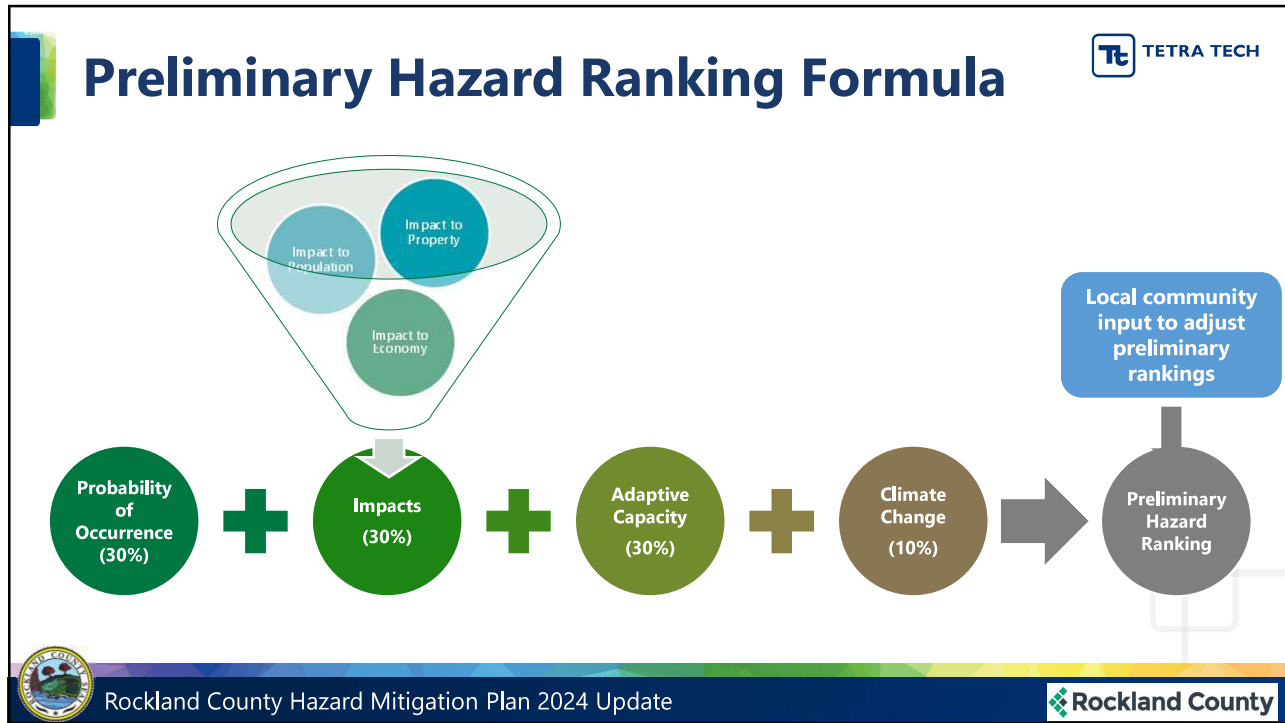
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What We Looked At

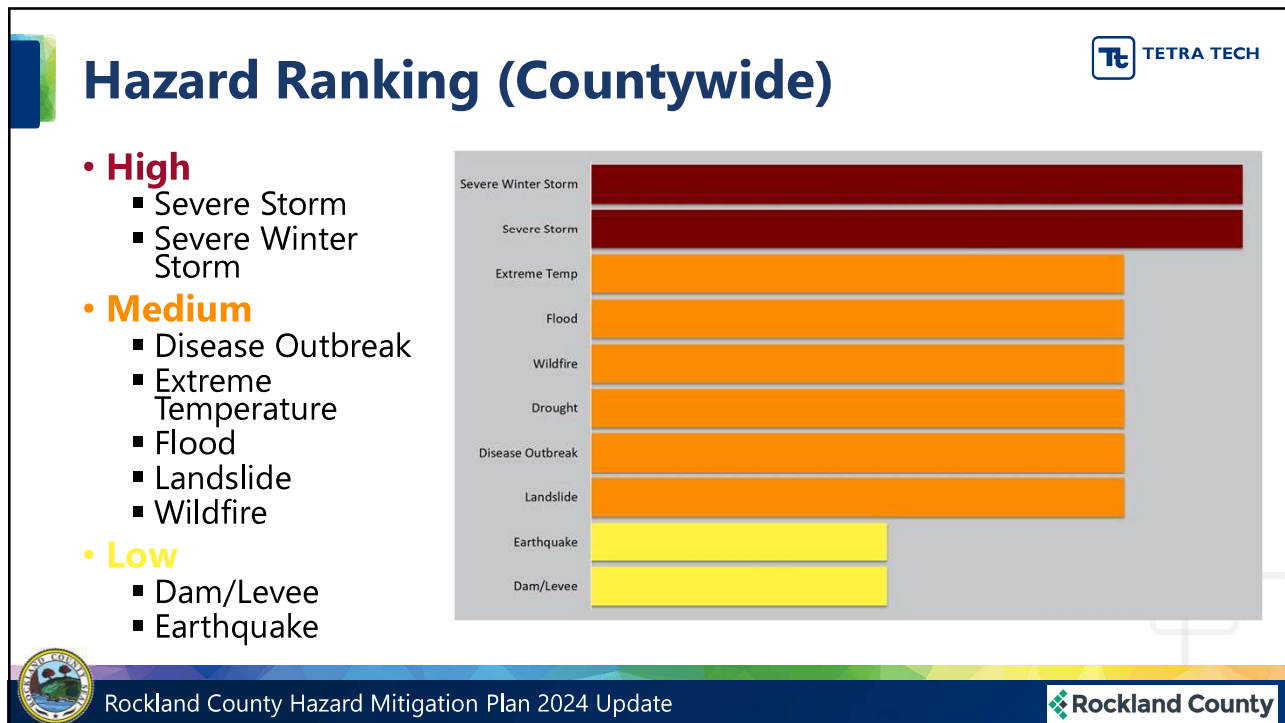
Hazard	Population	Property	Economy
Dam/Levee Failure	General and vulnerable populations in dam inundation areas	Buildings and lifelines in dam inundation areas	Replacement cost values of buildings in dam inundation areas
Disease Outbreak	Entire population exposed/vulnerable	Entire building stock exposed/vulnerable	Entire building stock exposed/vulnerable
Drought	Entire population exposed/vulnerable	Entire building stock exposed/vulnerable	Entire building stock exposed/vulnerable
Earthquake	General and vulnerable populations in Class D & E NEHRP Soils	Buildings and lifelines in Class D & E NEHRP Soils	Replacement cost values of buildings in Class D & E NEHRP Soils
Extreme Temperature	Entire population exposed/vulnerable	Entire building stock exposed/vulnerable	Entire building stock exposed/vulnerable
Flood	General and vulnerable populations in 1% SFHA	Buildings and lifelines in 1% SFHA	Replacement cost values of buildings in 1% SFHA
Landslide	General and vulnerable populations in high landslide incidence areas	Buildings and lifelines in high landslide incidence areas	Replacement cost values of buildings in high landslide incidence areas
Severe Storm	Entire population exposed/vulnerable	Entire building stock exposed/vulnerable	Entire building stock exposed/vulnerable
Severe Winter Storm	Entire population exposed/vulnerable	Entire building stock exposed/vulnerable	Entire building stock exposed/vulnerable
Wildfire	General and vulnerable populations in Wildland/Urban Interface Areas	Buildings and lifelines in Wildland/Urban Interface Areas	Replacement cost values of buildings in Wildland/Urban Interface Areas

Rockland County Hazard Mitigation Plan 2024 Update

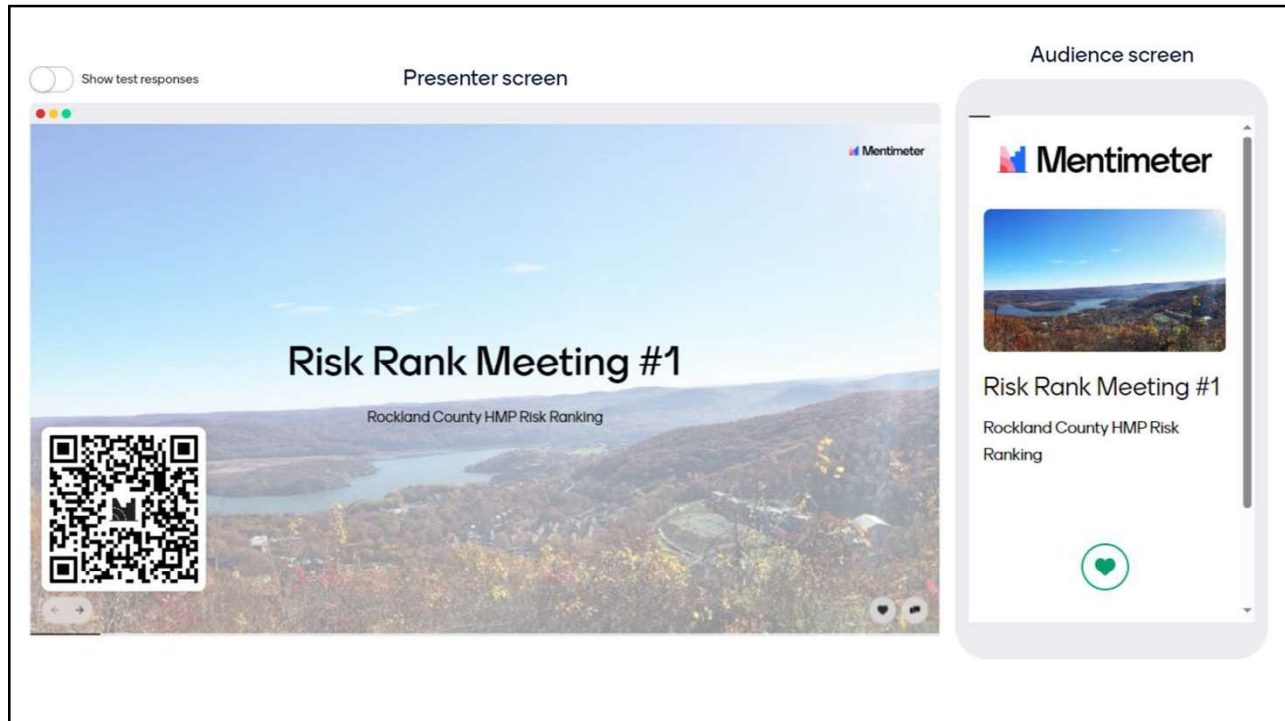
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Municipal Hazard Rankings (Preliminary)

Jurisdictions	Hazard Ranking									
	Dam/Levee	Disease Outbreak	Drought	Earthquake	Extreme Temp	Flood	Landslide	Severe Weather	Severe Winter Weather	Wildfire
Armort, Village of	Low	Medium	Medium	Low	Medium	Low	Low	High	High	Low
Chestnut Ridge, Village of	Low	Medium	Medium	Low	Medium	Medium	Low	High	High	Medium
Clarkstown, Town of	Low	Medium	Medium	Low	Medium	Medium	Low	High	High	Medium
Grand View on Hudson, Village of	Low	Medium	Medium	Low	Medium	Low	Low	High	High	Medium
Haverstraw, Town of	Low	Medium	Medium	Medium	Medium	Medium	High	High	High	Medium
Haverstraw, Village of	Low	Medium	Medium	Medium	Medium	Medium	Low	High	High	Medium
Hillburn, Village of	Low	Medium	Medium	Medium	Medium	Medium	Low	High	High	Medium
Kaser, Village of	Low	Medium	Medium	Low	Medium	Low	Low	High	High	Low
Montebello, Village of	Low	Medium	Medium	Low	Medium	Medium	Low	High	High	Medium
New Hempstead, Village of	Low	Medium	Medium	Low	Medium	Medium	Low	High	High	Medium
New Square, Village of	Low	Medium	Medium	Low	Medium	Medium	Low	High	High	Low
Nyack, Village of	Low	Medium	Medium	Low	Medium	Medium	Low	High	High	Medium
Orangetown, Town of	Low	Medium	Medium	Low	Medium	Medium	Low	High	High	Medium
Piermont, Village of	Low	Medium	Medium	Medium	Medium	Medium	Low	High	High	Medium
Pomona, Village of	Low	Medium	Medium	Low	Medium	Medium	High	High	High	Medium
Ramapo, Town of	Low	Medium	Medium	Low	Medium	Medium	Low	High	High	Medium
Slatsburg, Village of	High	Medium	Medium	Medium	Medium	Medium	Low	High	High	Medium
Spring Valley, Village of	Low	Medium	Medium	Low	Medium	Medium	Low	High	High	Low
Stony Point, Town of	Low	Medium	Medium	Low	Medium	Medium	High	High	High	Medium
Suffern, Village of	Low	Medium	Medium	Medium	Medium	Medium	Low	High	High	Medium
Upper Nyack, Village of	Low	Medium	Medium	Low	Medium	Medium	Low	High	High	Medium
Wesley Hills, Village of	Low	Medium	Medium	Low	Medium	Medium	Low	High	High	Medium
West Haverstraw, Village of	Low	Medium	Medium	Medium	Medium	Medium	High	High	High	Medium
Rockland County (Total)	Low	Medium	Medium	Low	Medium	Medium	Medium	High	High	Medium

Rockland County Hazard Mitigation Plan 2024 Update

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Review Preliminary Rankings

Hazard Ranking Review

Please send all electronic Word versions of this worksheet to Emma (Tetra Tech) by January 3rd
Email: emma.kilkelly@tetratech.com

Jurisdiction: Albion, NY

Name/Title of Individual Completing Worksheet: _____

What is a Hazard Ranking?
Hazard Ranking is used to understand your community's vulnerabilities to hazards and to prioritize projects and activities for mitigation.

Hazard Ranking is determined by quantitative and qualitative factors including:

- The calculated probability of a hazard occurring based on historical data.
- Impacts to people, property, and the economy based on GIS data and analysis of exposure.
- The degree to which climate change will affect future occurrences based on best available data.
- Adaptive Capacity, which is the ability your community has to respond to the hazard based on ordinances, mitigation strategies and procedures, and readiness.

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

Table 1. 2023 HMP Municipal Hazard Rankings

Hazard	Draft 2024 Ranking Based on RA Results	Agree with draft hazard ranking (Y/N)? If No, indicate preferred ranking.	What changes in mitigation or other conditions have resulted in the change in hazard ranking since 2019?
Dam Failure	Low		
Disease Outbreak	Medium		

What is Adaptive Capacity?
Adaptive capacity describes a jurisdiction's current ability to protect from or withstand a hazard event.


- Weak** adaptive capacity means the jurisdiction does not have the capability to effectively respond, which leads to an increase in vulnerability. Examples include weak/outdated/inconsistent plans, policies, codes/ordinances in place; no redundancies; limited to no deployable resources; limited capabilities to respond; long recovery.
- Moderate** adaptive capacity means minimum requirements are in place; moderate capabilities; mitigation measures are identified but not implemented widespread; jurisdiction can recover but needs outside resources.
- Strong** adaptive capacity means the jurisdiction does have the capability to effectively respond; plans/policies exceed minimum requirements; deployable resources all of which decrease vulnerability.

Table 2. 2024 HMP Municipal Adaptive Capacity


Hazard	Preliminary Ranking	What should we indicate for your community's adaptive capacity for each hazard?
Dam Failure	Moderate	
Disease Outbreak	Moderate	
Drought	Moderate	
Earthquake	Moderate	
Extreme Temperature	Moderate	
Flood	Moderate	
Landslide	Moderate	
Severe Storms	Moderate	
Severe Winter Storm	Moderate	
Wildfire	Moderate	

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Review Preliminary Rankings



Hazard	Preliminary 2024 Ranking Based on RA Results	Agree with draft hazard ranking (Y/N)? If no, indicate the preferred ranking.	What changes in mitigation or other conditions have resulted in the change in hazard ranking since 2019?
Dam Failure	Low	Yes	
Disease Outbreak	Medium	Yes	
Drought	Low	Yes	
Earthquake	Low	Yes	
Extreme Temperature	Medium	Yes	
Flood	Low	No - high	Stormwater flooding causes significant damage; flood should be ranked as high
Landslide	High	No - low	No landslide history; developed parts of the city are relatively flat
Severe Weather	High	Yes	
Severe Winter Weather	Medium	No - high	The City experiences significant impacts of winter weather each year
Wildfire	Low	Yes	



Rockland County Hazard Mitigation Plan 2024 Update



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Review Preliminary Adaptive Capacity



Hazard	Preliminary Adaptive Capacity (Capabilities)	What should we indicate for your community's adaptive capacity for each hazard?
Dam Failure	Moderate	
Disease Outbreak	Moderate	
Drought	Moderate	Weak – many residents rely on surface water and we do not have backup water sources in the event of a severe drought
Earthquake	Moderate	
Extreme Temperature	Moderate	
Flood	Moderate	
Landslide	Moderate	
Severe Storm	Moderate	
Severe Winter Storm	Moderate	Strong – the City deals with winter weather each year and have the capabilities and staffing to respond appropriately
Wildfire	Moderate	



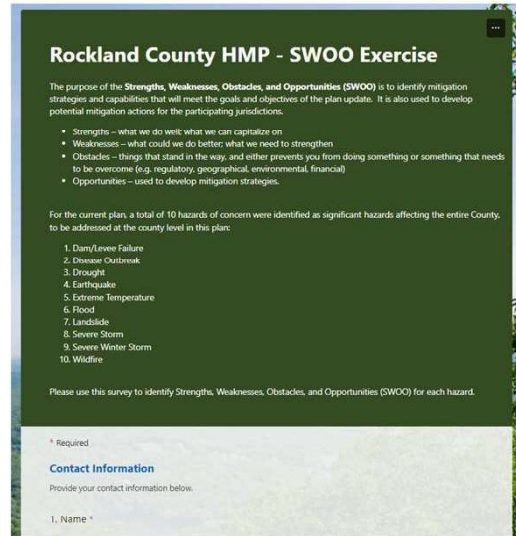
Strengths, Weaknesses, Obstacles, and Opportunities (SWOO)

Fill out your SWOO worksheet to provide more information on capabilities, risks, and potential new actions

Strengths, Weaknesses, Obstacles, and Opportunities (SWOO)




- The purpose of the SWOO is to identify mitigation strategies and capabilities that will meet the goals and objectives for the Rockland County HMP. Look at the following for each hazard of concern:
 - **Strengths** – what the County and communities do well; things upon which we can capitalize;
 - **Weaknesses** – what can be done better; what can be strengthened;
 - **Obstacles** – what stands in the way to implementation to prevent mitigation or response (for example regulatory, geographical, environmental, financial issues); and
 - **Opportunities** - actions or projects to mitigate issues or improve resilience.




Next Steps and Questions


Next Steps



- Complete the hazard ranking and SWOO worksheets
 - Turn in before the end of the meeting!
- Take a 10 minute break and we will reconvene to go over the mitigation strategy



Rockland County Hazard Mitigation Plan 2024 Update



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Rockland County Project Contacts

Chris Jensen, Program Coordinator, Fire and Emergency Services
(845) 364-8902 | jensenc@co.rockland.ny.us

Tetra Tech Project Contacts

Heather Appgar, CFM
(973) 630-8046 | heather.appgar@tetrattech.com

Thank You!

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Tt TETRA TECH

Rockland County Hazard Mitigation Plan 2024 Update

Planning Partnership Mitigation Action Workshop
December 13, 2023 | 11:00 am

Leading with Science®

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Today's Agenda

1. Identifying and Developing Mitigation Strategies
2. Review Previous Actions
3. Developing New Potential Actions
4. Workshop to Review Previous Actions, Identify New Actions, Complete Municipal Annexes
5. **Check in with Tetra Tech staff before leaving**



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Purpose of the Mitigation Strategy Tt TETRA TECH

- The **Mitigation Strategy** is the County's roadmap to reduce the risk of hazards identified in the HMP. The strategy is based on hazard impacts, asset vulnerability, and the County's capabilities.
- **Mitigation Actions** are specific activities, such as policies, projects, and studies, that stakeholders identify to reduce risk.
- Need to think about the following...
 - Goals - What outcomes do you want to achieve?
 - Actions - What actions will be taken to reduce risk?
 - Action Plan - How will the action be prioritized and implemented?

Rockland County Hazard Mitigation Plan 2024 Update

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How do you reduce risk?

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

Rockland County Hazard Mitigation Plan 2024 Update

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Using Your Mitigation Strategy to Reduce Risk



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

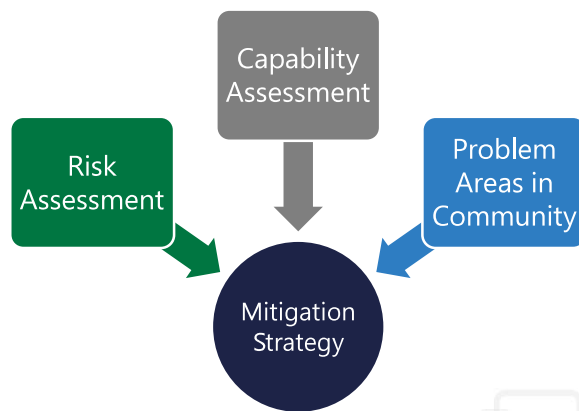
Your Mitigation Strategy table is included in your annex. We will use online forms to collect details on the actions you will include in the 2024 Update.




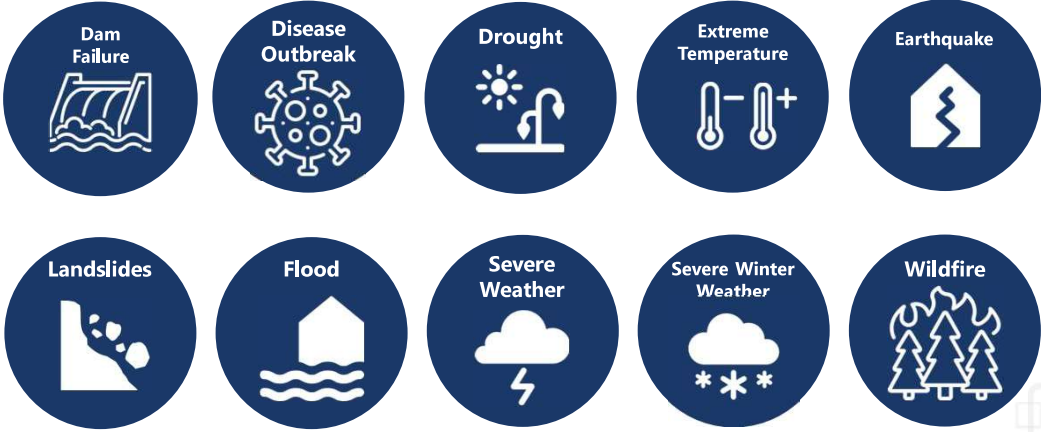
Connecting to the Mitigation Strategy




- Need a clear connection between vulnerabilities identified in the risk assessment and proposed mitigation actions.
- The capability assessment can provide insight into challenges and opportunities for the mitigation strategy.
- All actions proposed in the mitigation strategy must have a factual basis tied to hazards (*this shouldn't be a wish list!*)



Hazards of Concern





Rockland County Hazard Mitigation Plan 2024 Update




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Where do you need to focus?




- **Quality not quantity** each action needs detailed information on the why, who, what, and when of the action.
- **Stronger connection** between the risk assessment and mitigation strategy
- **More specific, achievable actions**
 - Specific projects, in specific locations, in a specific timeframe
 - Focus on socially vulnerable populations and underserved communities
- **2019 Projects**
 - If a project is not finished and still a priority, include in 2024 HMP
 - Remove general projects or make more specific
 - Remove ongoing capabilities like maintenance or annual outreach
- **Diverse actions**
 - You need at least **one action per hazard of concern**. Think about actions that can cover multiple hazards.
 - If you have critical facilities in the floodplain, need an action addressing the facility
 - If you have RL/SRL properties, need an action to mitigate those properties
 - Include a variety of action types (e.g., plans, floodproof critical facilities, outreach programs, etc.)


Rockland County Hazard Mitigation Plan 2024 Update



8

Other Mitigation Actions to Consider





MITIGATION RESOURCE GUIDE
Federal funding, technical assistance, and other resources to support hazard mitigation

2022 New York State Hazard Mitigation Planning Standards
(Supersedes the 2017 NYS Hazard Mitigation Planning Standards)

Congratulations on taking the first steps to update a multi-hazard mitigation plan for your community! The goal of both the New York State Division of Homeland Security and Emergency Services (NYS DHEES) and FEMA is that all jurisdictions develop robust mitigation plans and tangible mitigation actions that will contribute to long-term risk reduction.


The 2022 NYS Hazard Mitigation Planning Standards reduce the 2017 Hazard Mitigation Planning Standards. Any plan currently in development, regardless of State funding, will be held only to these reduced standards.

PLEASE NOTE:
On April 19, 2023, FEMA's new Local Mitigation Planning Policy will take effect. Plans approved on or after this date **must meet requirements** as outlined in the linked [Policy Guide](#).
https://www.fema.gov/sites/default/files/documents/fema_local_mitigation_planning_policy_guide_202302.pdf

The additional state requirements detailed below are intended to improve the quality of hazard mitigation plans and encourage the development of the most appropriate and effective mitigation projects for your community. It is recognized that many jurisdictions have inherent constraints and certain information may be difficult to provide. NYS DHEES and FEMA will work with you throughout the entire planning process to ensure the successful development of your community's hazard mitigation plan.


There are a multitude of resources that exist to provide guidance and support throughout the planning process, developed by Federal and State agencies, as well as private and research-based groups. We urge you to contact us so that we may direct you to additional resources and provide you with the most comprehensive technical assistance possible.

For questions and comments, please call our offices at 515.202.2304.
Additional contact information will be provided to sub-recipients for more direct assistance.




Mitigation Ideas
A Resource for Reducing Risk to Natural Hazards

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




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Mitigation Strategy Online Form



- We will be collecting input on mitigation actions through on online form
- Complete one form per action (<https://forms.office.com/r/j7qdFnc8mA>)
- We will be providing additional information to help with the actions
- Any questions, reach out!
- All forms are **due January 10th**

Rockland County HMP - Mitigation Strategies




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

Section 1


Contact Information
Complete this section with your contact information.

1. Name *


2. Title *



Rockland County Hazard Mitigation Plan 2024 Update



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Project Schedule and Next Steps


Upcoming meetings and key milestones throughout the HMP update process

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Next Steps



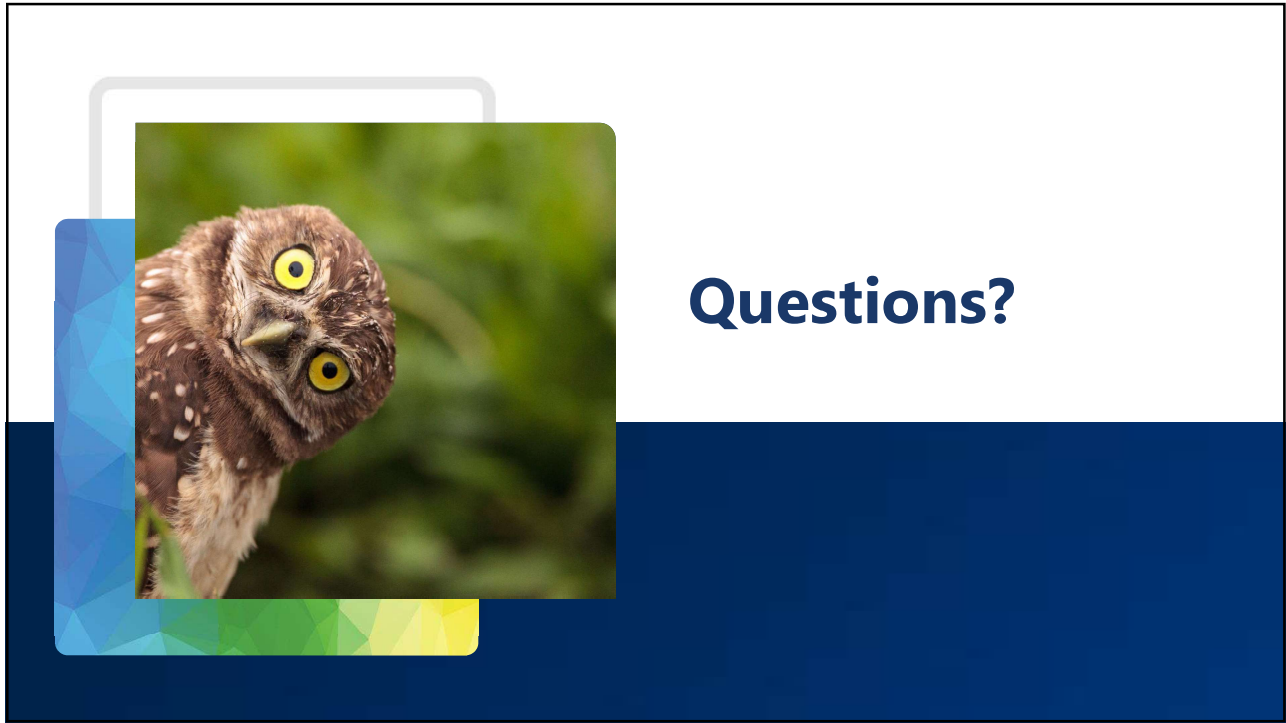
Item	Due Date
Risk assessment/mitigation workshop (in-person)	TODAY!
Hazard ranking input	Wednesday, January 3rd
Mitigation actions	Wednesday, January 10th
Finalize annexes	Friday, January 26th
Draft plan presentation (virtual)	Late January/Early February
Adopt HMP	February-March 2024



Rockland County Hazard Mitigation Plan 2024 Update



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