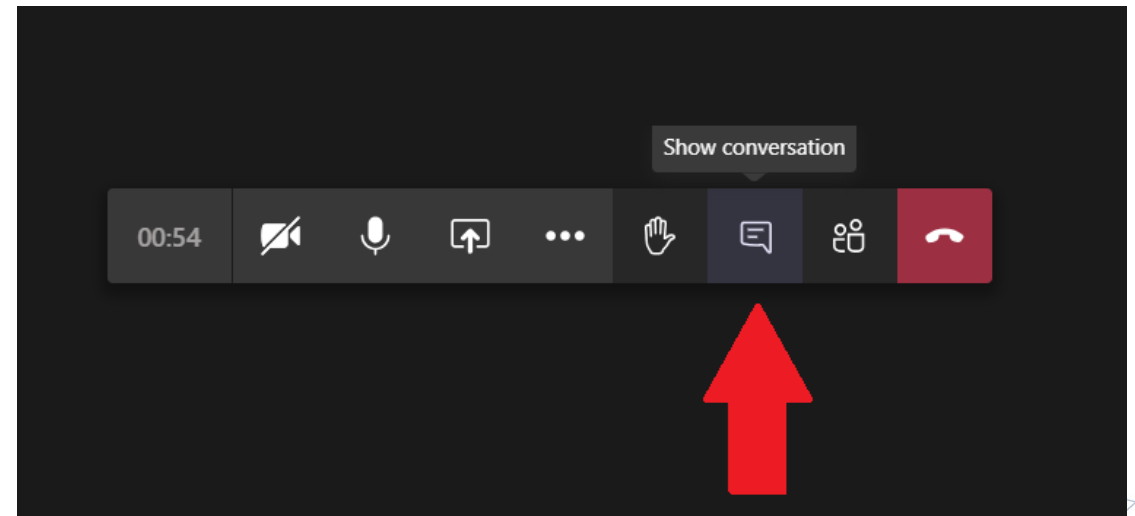




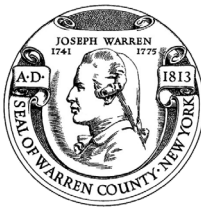
Welcome!

- If you are attending the webinar on your computer, please add your name, title, and organization(s) to the chat box.
 - Bring your mouse to the lower part of the screen until a set of buttons appears. They may also be at the top of your screen.
 - Click “Show Conversation.”



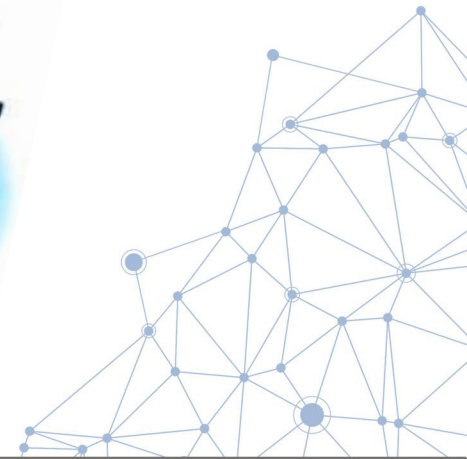
Warren County, New York Hazard Mitigation Plan – 2023 Update

**Steering Committee Kick-Off Meeting | October 27,
2022**



Agenda

- Welcome and Introductions
- In-Kind Services Tracking
- Benefits of Hazard Mitigation
- Hazard Mitigation Planning Overview
- Project Organization
- Steering Committee Responsibilities
- Public and Stakeholder Outreach
- Update Hazards of Concern and Risk Assessment
- Critical Facilities and Lifelines
- Goals and Objectives
- Schedule
- Questions/Next Steps/Wrap Up





Introductions

- Tell us...
 - What's your name?
 - Where you are from?
 - What is your mitigation experience?
 - What do you want to focus on during this process or what is your area of expertise?
 - What are your resilience concerns for Warren County?





Hazard Mitigation – What is it?

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

-or-

Any action taken to reduce future disaster losses

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








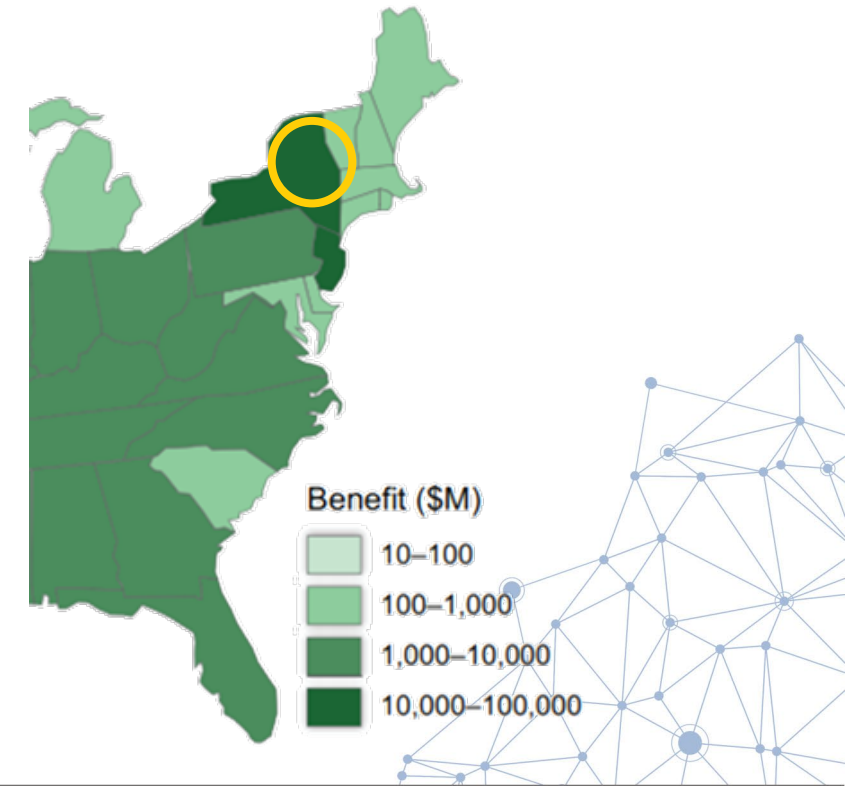


Hazard Mitigation Works!

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

Mitigation saves in every in state! New York has saved up to \$100 million in benefits.

National Benefit-Cost Ratio Per Peril <small>*BCR numbers in this study have been rounded</small>		Federally Funded
Overall Hazard Benefit-Cost Ratio		6:1
 Riverine Flood		7:1
 Hurricane Surge		Too few grants
 Wind		5:1
 Earthquake		3:1
 Wildland-Urban Interface Fire		3:1

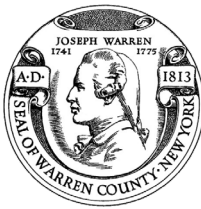


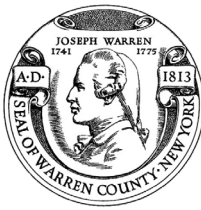
Why Update?

- The mitigation plan update will:
 - Help the County prepare for and mitigate the effects of disasters
 - Continue to allow the County and participating partners to be eligible for pre- and post-disaster mitigation funding
 - Support CRS participation/rating of municipalities

Hazard	Losses (\$)
Blizzard	Losses not reported
Drought	Losses not reported
Excessive Temperature	Losses not reported
Flash Flood	\$22.36 million
Flood	\$6.24 million
Hail	\$13,000
Heavy Rain	Losses not reported
Heavy Snow	\$35,000
High Wind	\$731,000
Hurricane/Tropical Storm	Losses not reported
Lightning	\$77,000
Strong Wind	\$193,000
Thunderstorm Wind	\$10.62 million
Tornado/Funnel Cloud	\$252,500
Winter Storm	\$182,300
Winter Weather	\$1,000
Total	\$42.345 million

Source: NOAA-NCEI 2022





What's at Risk?

- FEMA Disaster Declarations

Year of Declaration Date	Declaration Title	Disaster Number
1976	SEVERE STORMS & FLOODING	515
1993	SEVERE BLIZZARD	3107
1996	SEVERE STORMS AND FLOODING	1095
1999	HURRICANE FLOYD MAJOR DISASTER DECLARATIONS	1296
2000	WEST NILE VIRUS	3155
2001	FIRES AND EXPLOSIONS	1391
2002	EARTHQUAKE	1415
2003	POWER OUTAGE	3186

Year of Declaration Date	Declaration Title	Disaster Number
2004	SEVERE STORMS AND FLOODING	1534
		1564
2005	HURRICANE KATRINA EVACUATION	3262
2010	SEVERE STORMS AND FLOODING	1899
2011	HURRICANE IRENE	4020
	SEVERE STORMS, FLOODING, TORNADOES, AND STRAIGHT-...	1993
2012	HURRICANE SANDY	3351
2013	SEVERE STORMS AND FLOODING	4129
2019	SEVERE STORMS, STRAIGHT-LINE WINDS, AND FLOODING	4472
2020	COVID-19	3434
	COVID-19 PANDEMIC	4480



4 Flood



4 Hurricane



4 Severe Storm(s)



2 Biological



2 Other



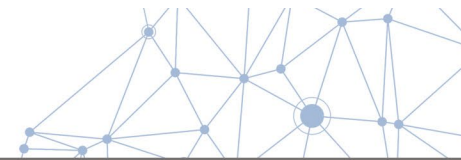
1 Earthquake



1 Fire

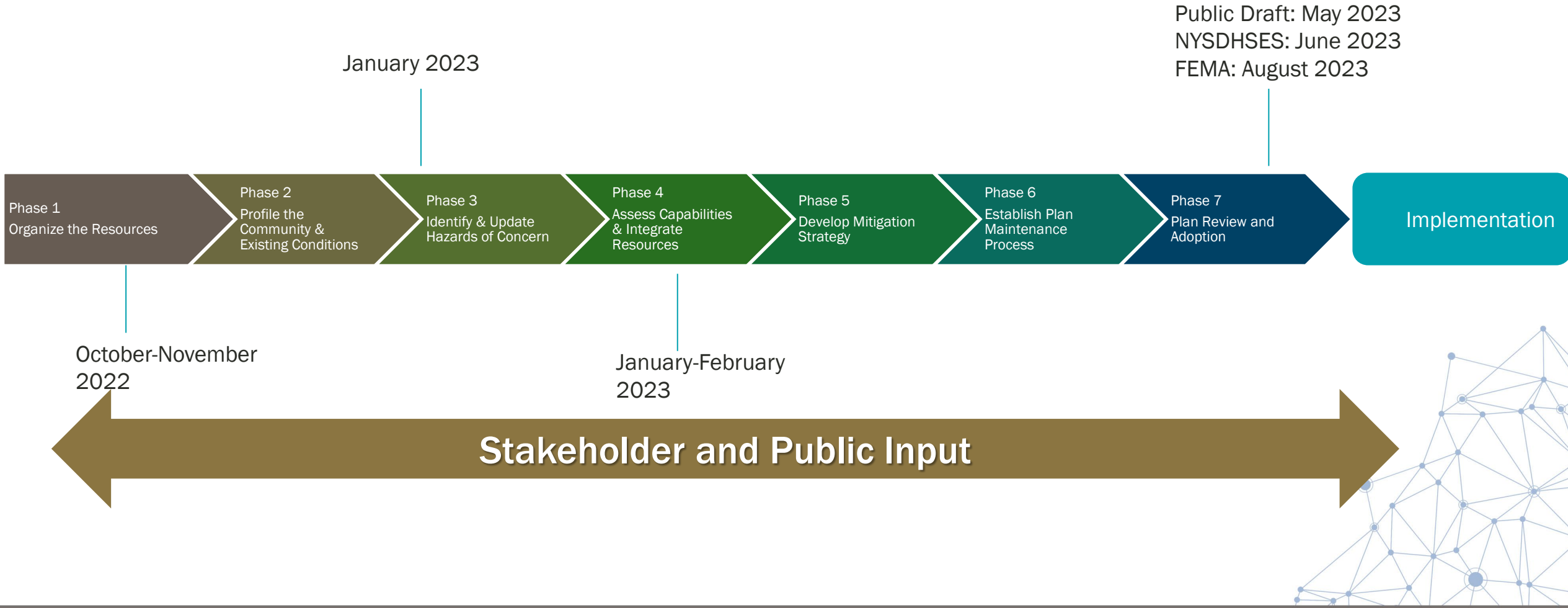


1 Snow



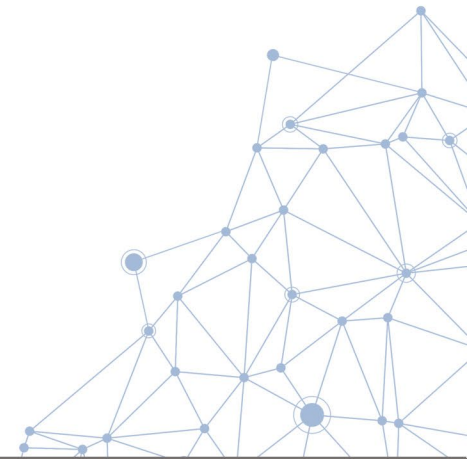


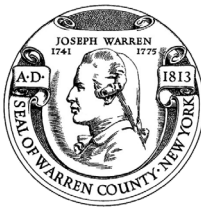
Planning Process Overview





Project Organization





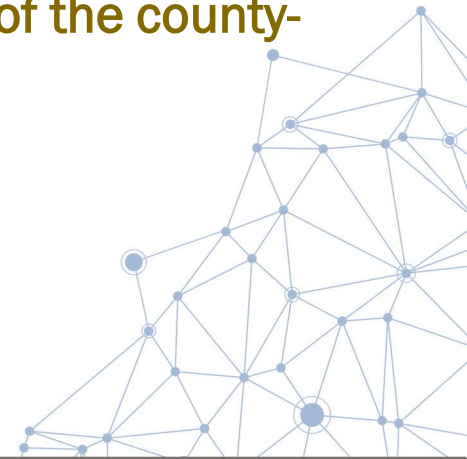
Hazard Mitigation Committee Composition

Steering Committee Members

Warren County Soil and Water Conservation District	Adirondack / Glens Falls Transportation Council
Warren County Office of Emergency Services	City of Glens Falls
Warren County Department of Planning and Community Development	Village of Lake George
Warren County Department of Public Works	SUNY Adirondack
Town of Queensbury – Planning Department	Glens Falls Hospital
	Finch Pryne
	Board of Supervisors

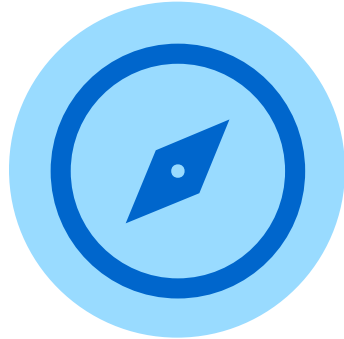
Role

- ✓ Guide the Planning Partnership through the planning process
- ✓ Identify the natural hazards of concern
- ✓ Develop mitigation goals and objectives
- ✓ Develop public and stakeholder outreach strategy
- ✓ Support the development of the county-level mitigation strategy
- ✓ Review plan documents





Steering Committee Roles and Responsibilities



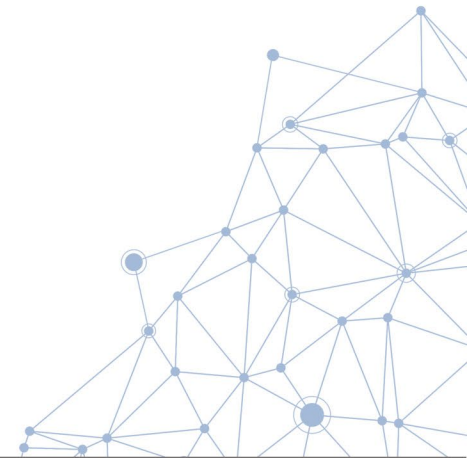
PROVIDE GUIDANCE AND LEADERSHIP THROUGHOUT THE PLANNING PROCESS



OVERSEE THE PLANNING PROCESS



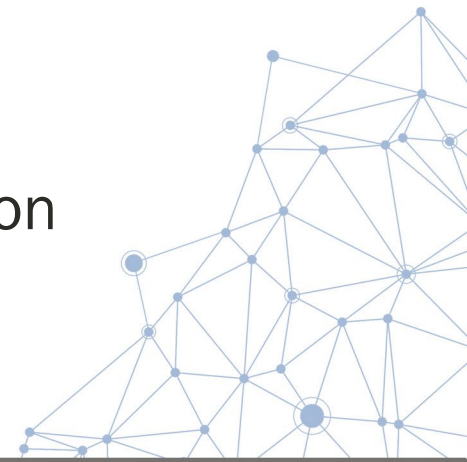
ACT AS THE POINT OF CONTACT FOR ALL PARTNERS AND STAKEHOLDERS





Early Progress

- Requested/Received NFIP Community Assistance Visit Data
- Requested NFIP Data
- GIS Data Collection
- Review of Hazards of Concern/Distributed Worksheet to Steering Committee
- HMP website – In development
- HMP Fact Sheet, Citizen Survey, Agency Surveys - in progress
- County-Level/Regional Plan Collection
- Planning Partnership Outreach/Letter of Intent to Participate Distribution
- Planning Partnership Kick-Off Meeting Scheduled (November 2nd at 9am)

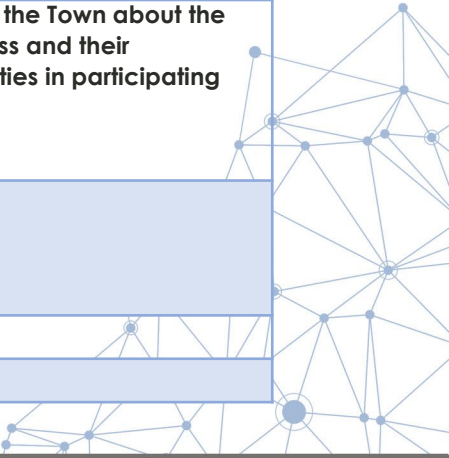


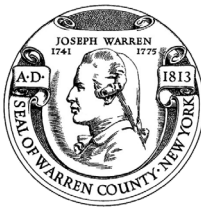


In-Kind Services

Name of Team Member: _____

Correspondence Type	Meeting Name, Municipality	Date	Start Time	End Time	# of Hours	Agenda/Sign In?	Notes (include meeting topic, how HMP was discussed, etc.)
Meeting	Chiefs and Fire Advisory Board Meeting					Yes – sign-in	Discussed the HMP update
Meeting	Town of ?? Board Meeting						Discussed the HMP update
Phone Call	Town of ?? phone call					No	Spoke with the Town about the HMP process and their responsibilities in participating
Meeting	Town of ?? Board Meeting					Yes - agenda	

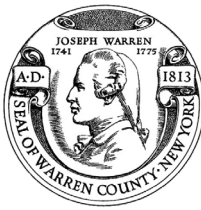




Data Collection Status

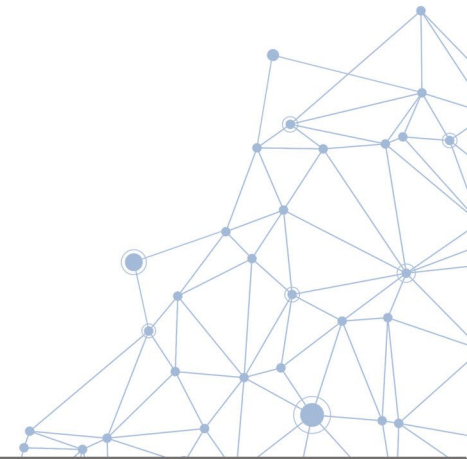
- Letters of Intent to Municipalities
- Critical Facility Inventory (County providing initial data)
- Reports and Plans – Initial collection of reports, plans, and codes available online
- Capability Assessments
- Mitigation Strategy Updates



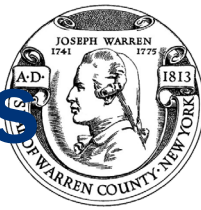


Public and Stakeholder Outreach

- HMP is in development-
<https://www.warrencountynyhmp.com>
- Social Media
- Stakeholder Survey
- Public Survey
- Neighboring County Outreach
 - Notified of planning process
 - Survey



Relevant County and Regional Plans and Studies



Name of Plan/Document	Date of Plan	Jurisdiction
Excessive Heat Plan	2022	Countywide
Schroon Lake Watershed Management Plan Addendum	2019	Chester (T)
Lake Champlain Watershed Roadside Erosion Assessment	-	Bolton (T), Hague (T), Lake George (T), Queensbury (T)
Upper Hudson River Watershed Management Plan	2020	Countywide
Friends Lake Watershed Assessment	2017	Chester (T)
LC Nonpoint Source Pollution Watershed Assessment and Management Plan	2018	Countywide
LG HAB Plan 2022 Update	2022	Lake George (T), Bolton (T)
Loon Lake Watershed Report	2021	Loon Lake, Chester (T)
Warren County - Dam Risk into Local HMG Plans	2021	Countywide

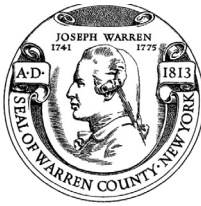
- Others?



Update Risk Assessment

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

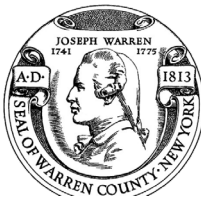




NYS DHSES Requirements

- Establish Jurisdictional Teams
- Assess Critical Facilities
- Plan for Displaced Residents
 - Intermediate (Temporary Housing) and Long-Term (Permanent Housing)
- Plan for Evacuation and Sheltering
- Document Past Mitigation Accomplishments
- Include Jurisdictional Annexes
- Develop Mitigation Actions (minimum of 2 projects)
- Plan for Climate Change





EXERCISE – Identifying Hazards of Concern

Thinking back over the last few years...

- The 2017 plan included:
 - Disease Outbreak
 - Earthquake
 - Flood
 - Infestation
 - Landslide
 - Severe Storm (Windstorm, Thunderstorm, Hail, Tornado)
 - Severe Winter Weather (Heavy Snow, Blizzards, Ice Storms)
 - Wildfire

- In review...
 - Have additional hazards impacted the County since 2017?
 - Have hazard been mitigated and no longer cause damage?
 - Should hazards be regrouped to minimize number or required actions?
 - Should additional hazards be included?

- Have additional hazards impacted Warren County since 2017?
- Have hazards been mitigated and no longer cause damage or put the County at risk?
- Should hazards be regrouped to align with the 2019 State HMP?

2019 NY State HMP	Identified Hazard in the 2017 Warren HMP	2017 Warren HMP Ranking	2021 CEPA Ranking**	Has the frequency, severity, or location of the hazard changed in your community? NC = No Change; I = Increase; D = Decrease (Please provide an explanation for any hazards marked I or D in this column)	2023 Warren HMP* (indicate 'keep', combine with other hazard, or provide comments for any changes)
Natural Hazards					
Avalanche	-	-			
Coastal Hazards					
Coldwaves	-	-			
Drought	-	-	Low		
Earthquake	X	High	Low		Keep
Flooding	X	Medium	Very High		Keep
Hail	X	Severe Storm: High			Keep

Please identify any other hazards that you believe should be considered in the 2023 update of the Warren County Hazard Mitigation Plan (e.g. landslides, wildfires, invasive species, etc.)

What are the natural hazards that present the most risk to your jurisdiction today?

- | | |
|--|--|
| <input type="checkbox"/> Climate Change | <input type="checkbox"/> Severe Weather (high wind, tornado, thunderstorm, hail) |
| <input type="checkbox"/> Dam Failure | <input type="checkbox"/> Severe Winter Weather (heavy snow, blizzard, ice) |
| <input type="checkbox"/> Drought | <input type="checkbox"/> Wildfire |
| <input type="checkbox"/> Earthquake | <input type="checkbox"/> Hazardous Materials (fixed site, in-transit) |
| <input type="checkbox"/> Extreme Temperature (heat and cold) | <input type="checkbox"/> Disease Outbreak |
| <input type="checkbox"/> Flood (riverine, dam failure, beaver dam) | <input type="checkbox"/> Invasive Species |
| <input type="checkbox"/> Geologic (landslide, subsidence/sinkhole) | <input type="checkbox"/> Other: _____ |

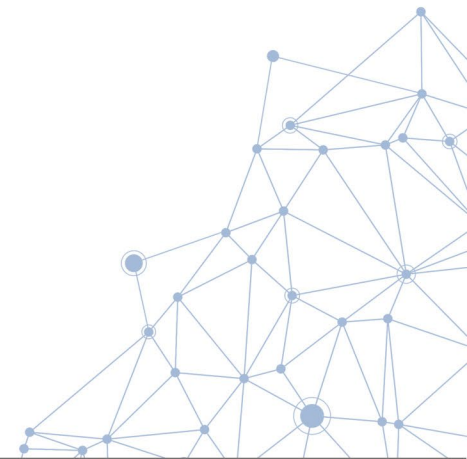


Community Lifelines

- Review 2017 critical facility inventory to ensure complete
- Crosswalk and identify lifelines

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

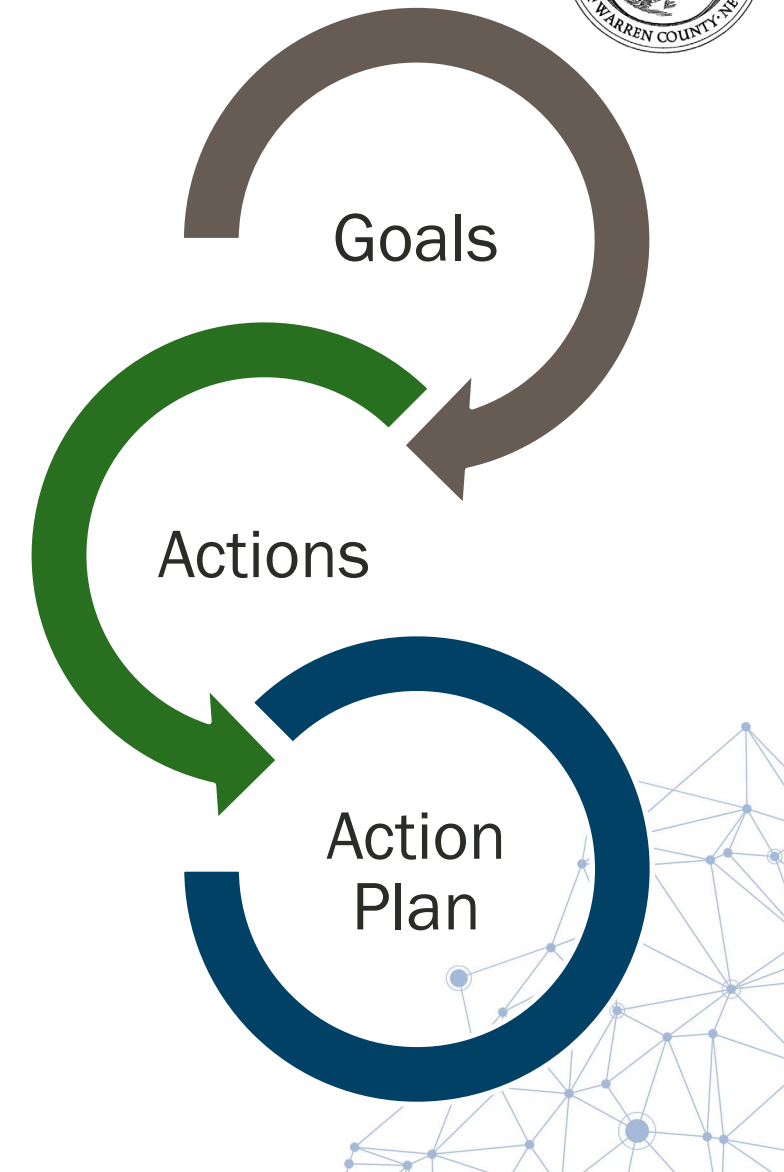
Essential facilities are a subset of lifelines that include those facilities that are important to ensure a full recovery following the occurrence of a hazard event. For the County risk assessment, this category includes police, fire, EMS, schools/colleges, shelters, senior facilities, and medical facilities.

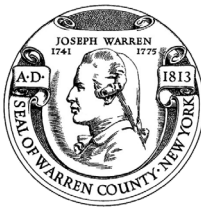




Mitigation Strategy

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



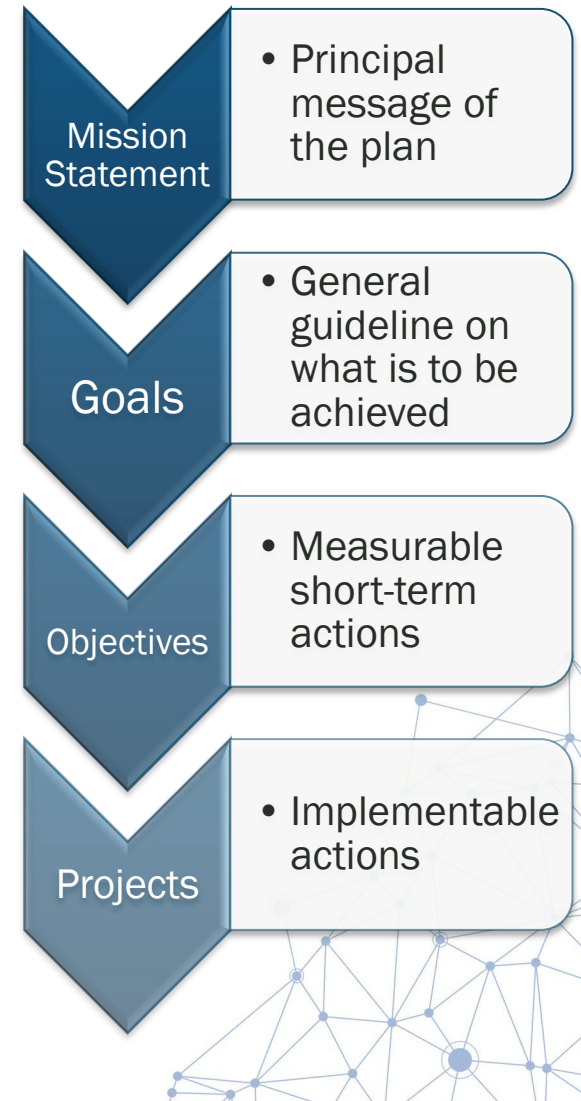


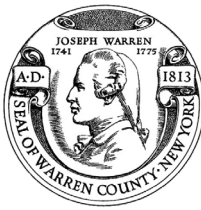
Update Mission Statement?

As part the of the 2017 update process, the Steering Committee reviewed the mission statement and elected to maintain it without edit or amendment, as noted below. At this time, the committee is requested to review the Mission Statement to update to align with current County, state, and local policy. The committee is requested to consider adding the concept of equity and inclusiveness of socially vulnerable populations to the mission statement and the goals and objectives as well as additional adjustments to align with count, state, and local policy.

2017 HMP Mission Statement

To create communities whose daily activities reflect a comprehensive commitment by government, business, non-profit organizations and the public to eliminate or reduce risks and adverse impacts from natural, technological and human-caused hazards .





Goals and Objectives Review and Update

Goal	Objective
Goal 1: Protect Life and Property.	1.1: Introduce mitigation activities that will make homes, businesses and critical facilities and infrastructure more hazard resistant and to increase resilience.
	1.2: In areas vulnerable to hazards, encourage businesses and homeowners to take preventive actions when possible .
	1.3: Periodically review existing building codes, safety procedures, municipal and county ordinances to update recent standards for building protection.
	1.4: Immediately enforce existing building codes within the jurisdiction.
	1.5: Encourage owners of home and businesses and renters to purchase appropriate insurance coverage for potential damages from hazards.
Goal 2: Increase Public Awareness	2.1: Continue developing and integrating education and outreach programs in an effort to enhance public awareness of the hazards, providing information on specific activities for individuals in anticipation of a hazard event .
	2.2: Provide information on current government programs and funding resources to assist with mitigation and resilience.
	2.3: Strengthen communication and cooperation between public agencies, citizens, non-profit groups, and businesses to implement mitigation activities effectively.





Goals and Objectives Review and Update

Goal 3: Provide for Emergency Services

3.1: Coordinate hazard mitigation activities with existing local emergency plans.

3.2: Identify and plan for acquiring any specific emergency services and equipment needed to improve response capabilities for specific hazards.

3.3: Review emergency traffic routes, making changes as needed, and educating the public as to the routes .

Goal 4:

Support comprehensive county and local mitigation through the integration of hazard mitigation planning into related state, regional, county and local plans and programs.

4.1: Promote land use planning to encourage resilient and sustainable efforts throughout statewide and regional programs that address zoning, building codes, capital improvement programs, open space preservation, nature-based solutions, and storm water management regulations.

4.2: Continue to participate in state, regional and local programs and efforts that focus on practices that support or enhance resiliency.

4.3: Improve hazard data through participation in studies, research, and mapping to enhance information related to the impacts of hazards and related risks, vulnerability, and losses.

Goal 5:

Encourage the development and implementation of long-term, cost-effective, and resilient mitigation projects to preserve or restore the functions of natural systems.

5.1: Encourage the use of green and natural infrastructure and nature based solutions.

5.2: Provide technical assistance to communities and stakeholders in the application and implementation of mitigation projects that preserve or restore natural systems.

5.3: Maintain and encourage ongoing relationships between state agencies and partners to play an active and vital role in preservation and restoration of vulnerable natural systems.

5.4: Promote climate change adaption strategies that protect against long-term effects on the environment.

Goal 5: Address Long-Term Vulnerabilities from High Hazard Dams

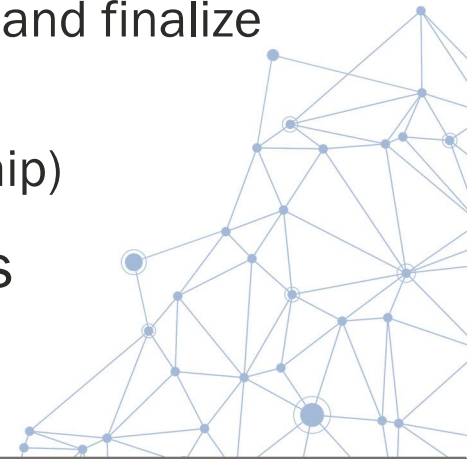
5.1: Ensure dam infrastructure is maintained

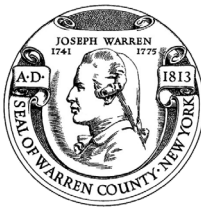




Schedule

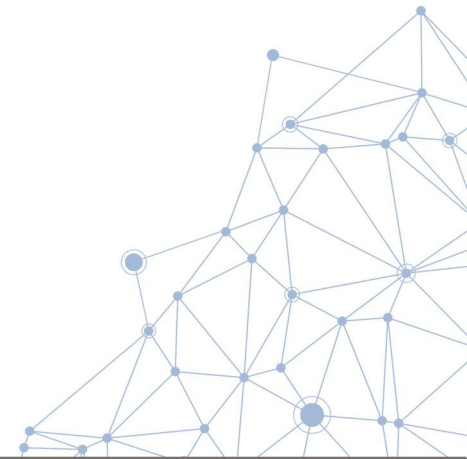
- Planning Process
 - Steering Committee Kick-Off – TODAY!
 - Planning Partnership Kick-Off – November 2nd at 9 am (Steering committee will be invited)
- Update Risk Assessment
 - Data collection is underway; confirm local critical facilities inventory by December 2023
 - Begin vulnerability assessment
 - Steering Committee Meeting: November, to identify hazards of concern for County and finalize goals
 - Risk Assessment Meetings: February (Steering Committee and Planning Partnership)
- Public Involvement Strategy – ongoing throughout the planning process





Schedule

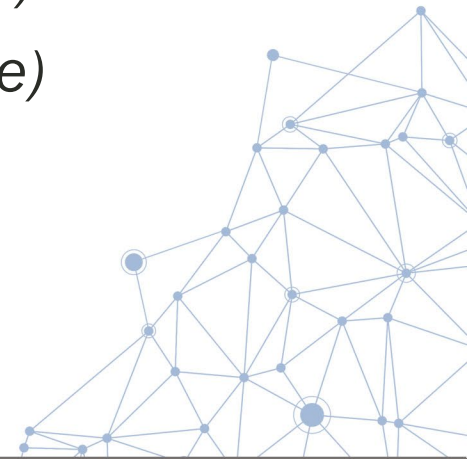
- Mitigation Strategy
 - Begin working with the municipalities in **February 2023**
 - Mitigation Strategy Workshop with FEMA and NYSDHSES – **March 2023**
- Draft Plan to Steering Committee in **May-June 2023** (*as sections are ready*)
- Public Review Period (30 days) – **June 2023**
- Final draft plan to NYSDHSES by June 2023 and FEMA by **August 2023**






Next Steps – Key Dates

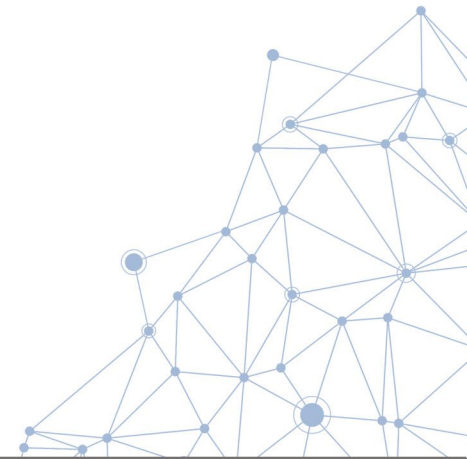
- Complete Hazards of Concern & Goals and Objectives worksheets and return by November 1st.
- Confirm access to OneDrive – *access to be provided in separate email*
- Planning Partnership Kick-Off* (Steering Committee and Municipalities) on **November 2nd, 2023**
- Steering Committee Meeting* – October 27th, 2022
- Steering Committee Risk Assessment Meeting – February, 2023 (*tentative*)
- Planning Partnership Risk Assessment Meeting – February, 2021(*tentative*)
- Mitigation Strategy Workshop – March 2023 (*tentative*)





Next Steps

1. Attend Planning Partnership Meeting
2. Determine Hazards of Concern to include in the HMP
3. Strengths, Weaknesses, Obstacles and Opportunities (SWOO)
4. Review Hazard Profiles
5. Review Risk Assessment Results
6. Identify Problems and Problem Areas
7. Develop Mitigation Strategy
8. Review Draft Plan
9. Submit Draft Plan for NYSDHSES/FEMA Review
10. Adopt FEMA-Approved Plan
11. Implement Projects and Maintain the Plan  Increase Resilience!



Questions?



Warren County Emergency Services Project Contacts

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Thank
You!