

# Warren County, New York Hazard Mitigation Plan – 2023 Update

**Steering Committee #2 Meeting | December 14, 2022 | 10:00 – 11:30 AM**

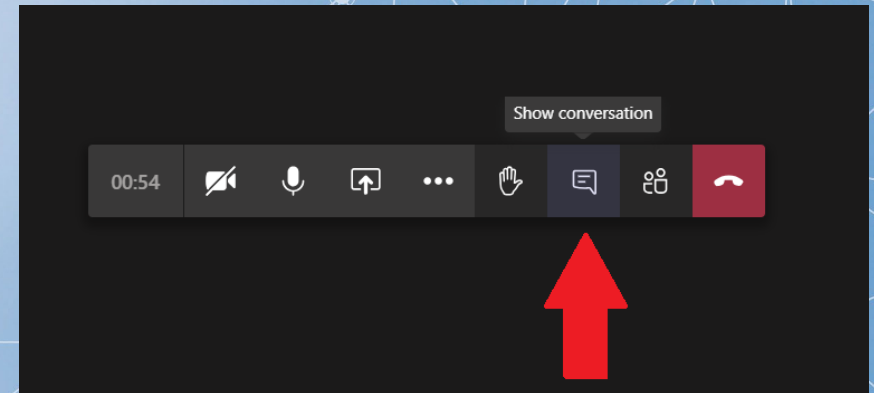
## ***WELCOME!***

*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” and type in your information.

This will assist in our attendance documentation.





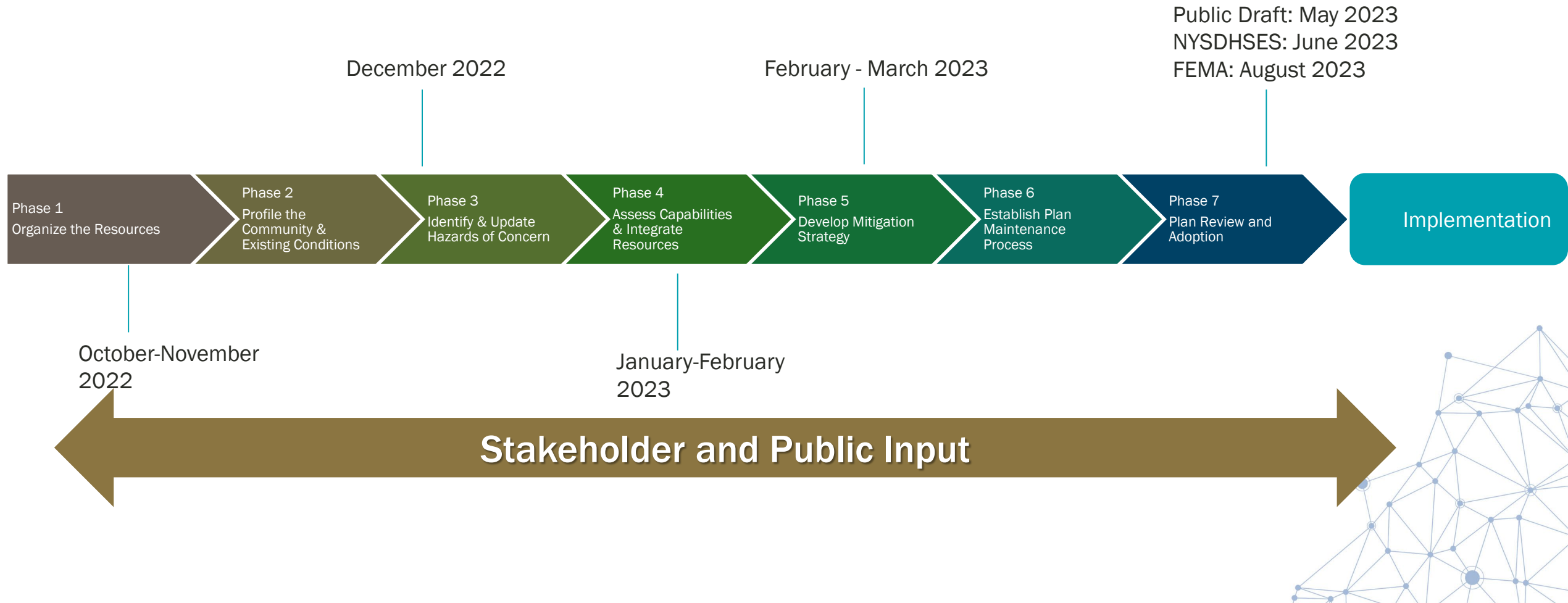
# Agenda

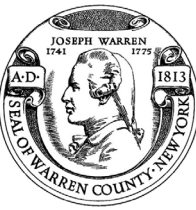
- Welcome
- Committee Responsibilities
- Progress Report
- Public and Stakeholder Outreach
- Data Collection - Plans and Reports
- Critical Facilities and Lifelines Review
- Confirmation of Hazards of Concern
- Goals and Objectives Updates
- SWOO (Strengths, Weaknesses, Obstacles, Opportunities)
- In-Kind Services Tracking
- Schedule
- Next Steps/ Questions/ Wrap Up





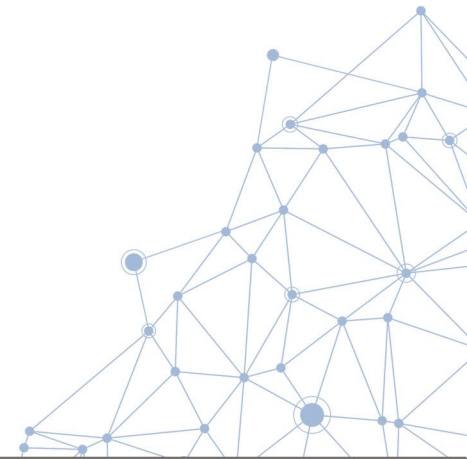
# Where are we in the Process?

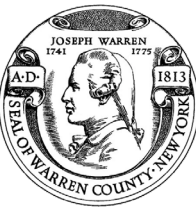




# Steering Committee Responsibilities

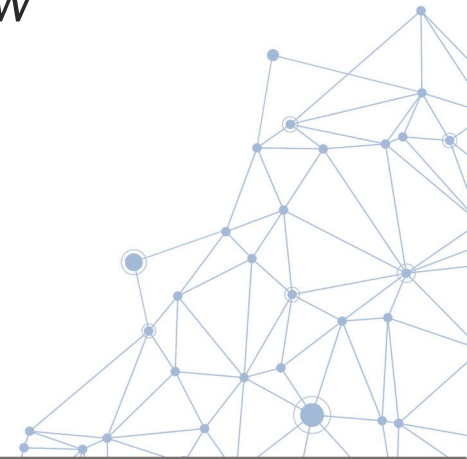
- ✓ Guide the Planning Partnership through the planning process
- ✓ Identify the natural hazards of concern
- ✓ Develop mitigation goals and objectives
- ✓ Develop public and stakeholder outreach strategy
- ✓ Support the development of the county-level mitigation strategy
- ✓ Review plan documents





# Progress

- Requested NFIP Data
- GIS Data Collection - *Complete*
- Critical Facility Survey for Municipal Input – *In progress*
- Review of Hazards of Concern/Input by Steering Committee – *Today*
- HMP website, HMP Fact Sheet, Citizen Survey, Agency Surveys - *Complete*
- County-Level/Regional Plan Collection – *For Steering Committee Review*
- Planning Partnership Participation – 100%







# Public and Stakeholder Outreach

- HMP website is LIVE!

<https://www.warrencountynewyorkhmp.com>




- Social Media
- Public Survey
- Stakeholder Survey
- Neighboring County Outreach
  - Notified of planning process
  - Survey

**NORTH COUNTRY**

## Input needed on natural disasters in Warren County

by: Jay Petreaula  
Posted: Dec 9, 2022 / 11:54 AM EST  
Updated: Dec 9, 2022 / 12:03 PM EST

Severe damage to the driveway of Fairview Association, along Lake

SHARE    ...

WARREN COUNTY, N.Y. (NEWS10) – It's important to know and understand what potential hazards could come with where one lives, and what different weather conditions can bring to those areas. Warren County is looking for public input as it makes updates to its plan to curb natural disaster danger for county residents.

**Get the latest news, weather, sports and community events delivered right to your inbox!**

The county's Multi-Jurisdictional Hazard Mitigation Plan is up for revision – and a survey gives residents a chance to weigh in on it. The plan is a document that can be used by the county to reduce the impact and damage from natural disasters, especially targeted at prevention and

**NY Weather** ▾ **Traffic** **Watch Live News** ▾ **Sports** ▾ **Jobs** ▾

"Public participation and feedback are a vital part of the hazard mitigation planning process," said Warren County Emergency Services Director Ann Marie Mason. "We ask that those who live in or visit Warren County take the brief online survey to detail any instances where they have experienced disaster or noted vulnerabilities, and their thoughts on changes that should be made."

The survey asks for residents to report what types of natural disasters they have seen and experienced in Warren County over the last decade, such as flooding, drought and climate change impacts. It also seeks information such as concern for future disasters, and how residents get their disaster information.

**ARPA lets Glens Falls Hospital's crisis unit grow**

The Hazard Mitigation Plan is updated every five years. The plan is used for communities to make risk-based decisions that can lead to fewer lives being lost, or less property being damaged, in the event of a disaster. The process going forward will also involve voices from nonprofits, community partners and the private sector. The plan will analyze how best to protect essential community facilities, transportation systems, lifeline utilities and hazardous material facilities.

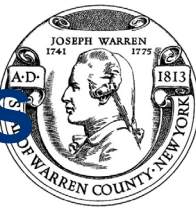




# Data Collection Status

Jurisdiction	Worksheet A - Hazard Event History	Worksheet B - Capability Assessment	Worksheet C - NFIP	Worksheet D - Action Review	Worksheet E - Building Permits
Warren County	X	X	N/A	X	X
Town of Bolton	X	X	X	X	
Town of Chester	X	X	X	X	X
City of Glens Falls					
Town of Hague	X	X	X	X	X
Town of Horicon					
Town of Johnsbury	X	X	X	X	X
Town of Lake George	X	X	X	X	X
Village of Lake George	X	X	X	X	X
Town of Lake Luzerne	X	X	X	X	X
Town of Queensbury	X	X	X	X	X
Town of Stony Creek	X	X	X	X	X
Town of Thurman	X	X	X	X	X
Town of Warrensburg	X	X	X	X	X

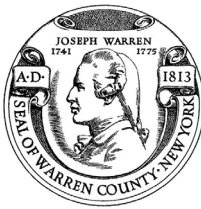
# Relevant County and Regional Plans and Studies



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

- *Summary matrix including local plans sent to committee for review .*





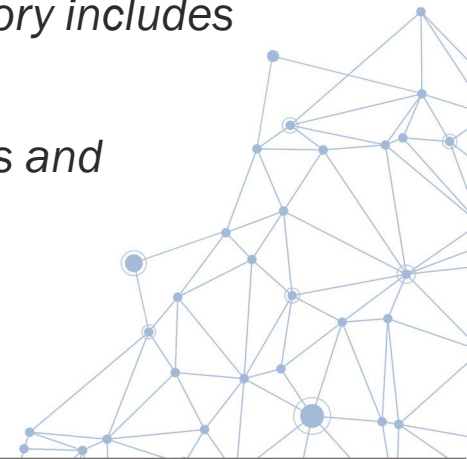
# Critical Facilities and Community Lifelines

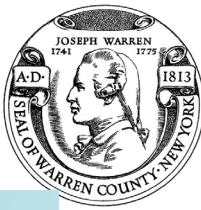
- Municipalities to review the updated critical facility inventory to ensure complete
- Critical facility survey distributed to communities on 12/8 with input due on or before 12/21/22.

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

***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.*

***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*



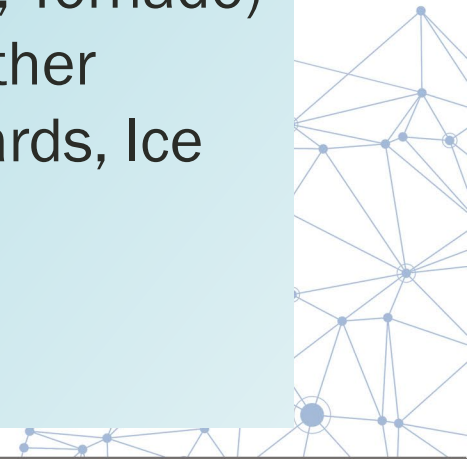


# Identifying Hazards of Concern

- The 2017 plan included:
  - Disease Outbreak (Influenza, Ebola, Zika)
  - 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?

## 2023 Hazards to Consider

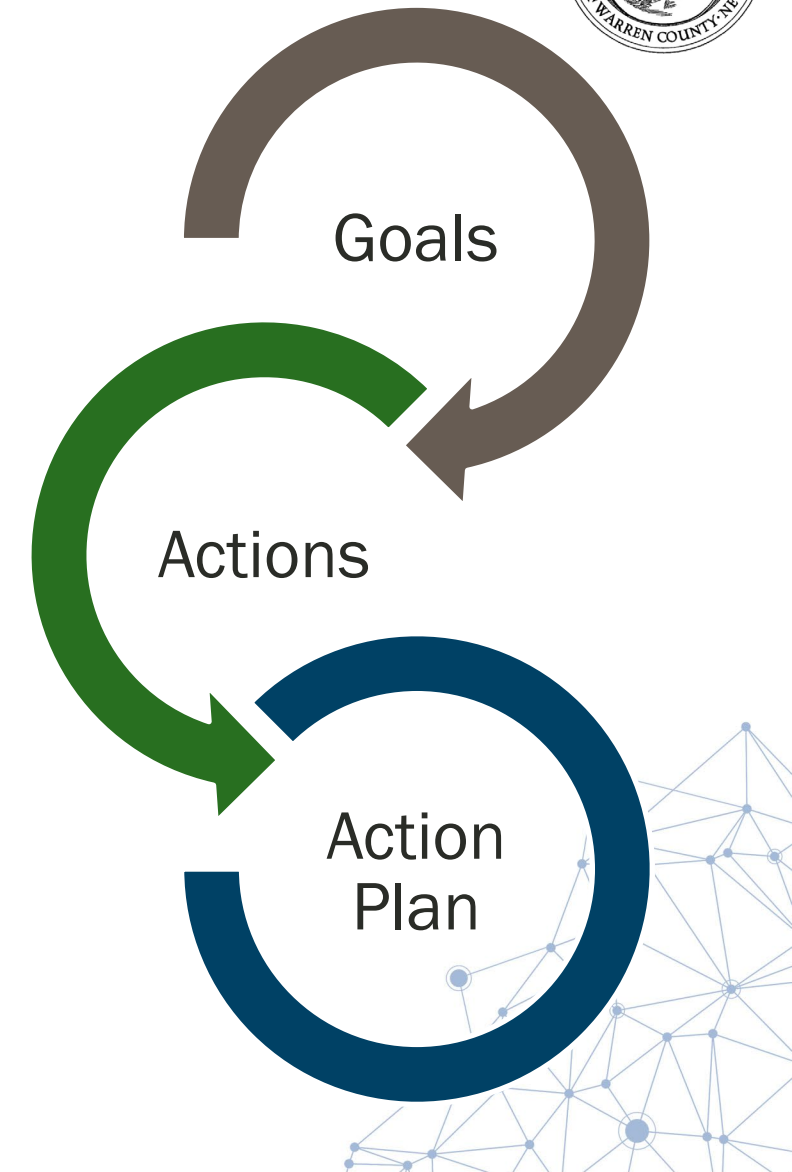
- **Disease Outbreak**
- Earthquake
- Extreme Temperatures
- Flood
- High Hazard Potential Dams
- Infestation
- Severe Storm (Windstorm, Thunderstorm, Hail, Tornado)
- Severe Winter Weather (Heavy Snow, Blizzards, Ice Storms)
- Wildfire





# 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?



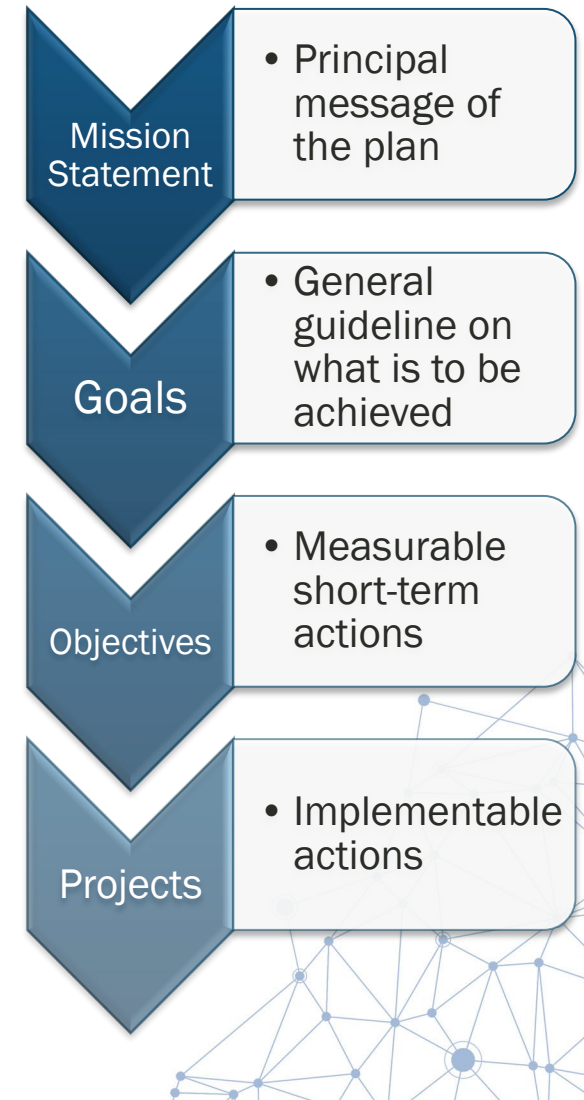


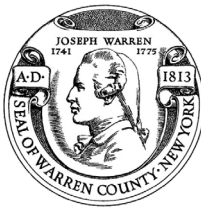
# Update Mission Statement?

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.

## *HMP Mission Statement*

*To create communities whose daily activities reflect a comprehensive commitment by government, business, non-profit organizations, **socially vulnerable populations** 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
<u>Goal 1:</u>  Protect Life and Property.	1.1: Introduce mitigation <b>and adaptation</b> activities that will make homes, businesses and critical facilities and infrastructure more hazard resistant <b>and to increase resilience</b> .
	1.2: In areas vulnerable to hazards, encourage businesses and homeowners to take preventive actions when possible <b>and in an equitable manner</b> .
	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, <b>zoning ordinances, and floodplain development review and permitting</b> within the jurisdictions.
	1.5: Encourage owners of home and businesses and renters to purchase appropriate insurance coverage for potential damages from hazards.
<u>Goal 2:</u>  Increase Public Awareness	2.1: Continue developing and integrating education and outreach programs in an effort to enhance public awareness of the hazards, and <b>availability of</b> 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 <b>and resilience</b> .
	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

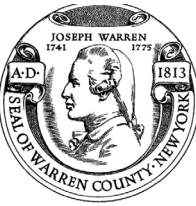
Goal	Objective
<b>Goal 3:</b> <b>Provide for Emergency Services</b>	3.1: Coordinate hazard mitigation activities with existing local emergency plans.
	3.2: Identify and plan for acquiring any specific emergency services and equipment needed to improve response capabilities for specific hazards.
	3.3: Review emergency traffic routes, making changes as needed, and educating the public as to the routes <b>including use of mass notification systems and real-time storm and problem area reporting.</b>
<b>Goal 4:</b>  <b>Support comprehensive county and local mitigation through the integration of hazard mitigation planning into related state, regional, county and local plans and programs.</b>	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. <b>Encourage integration of mitigation via review and update of local planning documents to be consistent with and relevant to the Hazard Mitigation Plan.</b>
	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.





# Goals and Objectives Review and Update

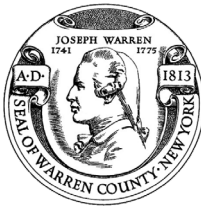
Goal	Objective
<b><u>Goal 5:</u></b>  Encourage the development and implementation of long-term, cost-effective, and resilient mitigation projects to preserve or restore the functions of natural systems.	5.1: Encourage the use of green and natural infrastructure, <b>low impact development, and</b> nature-based 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 <b>and incorporate into a county-wide climate action plan.</b>
<b><u>Goal 6:</u></b>  <b>Address Long-Term Vulnerabilities from High Hazard Dams</b>	<b>6.1: Ensure dam infrastructure is maintained</b>
	<b>6.2: Ensure Emergency Action Plans are developed and updated</b>
	<b>6.3: Support the identification and access to funding to repair/replace dams</b>



# 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 of the plan update. It is also used to develop potential mitigation actions for the participating jurisdictions.*

- Strengths – what we do well
- Weaknesses – what could we do better
- Obstacles – things that stand in the way, and either prevents you from doing something or something that need to be overcome
- Opportunities – used to develop mitigation strategies

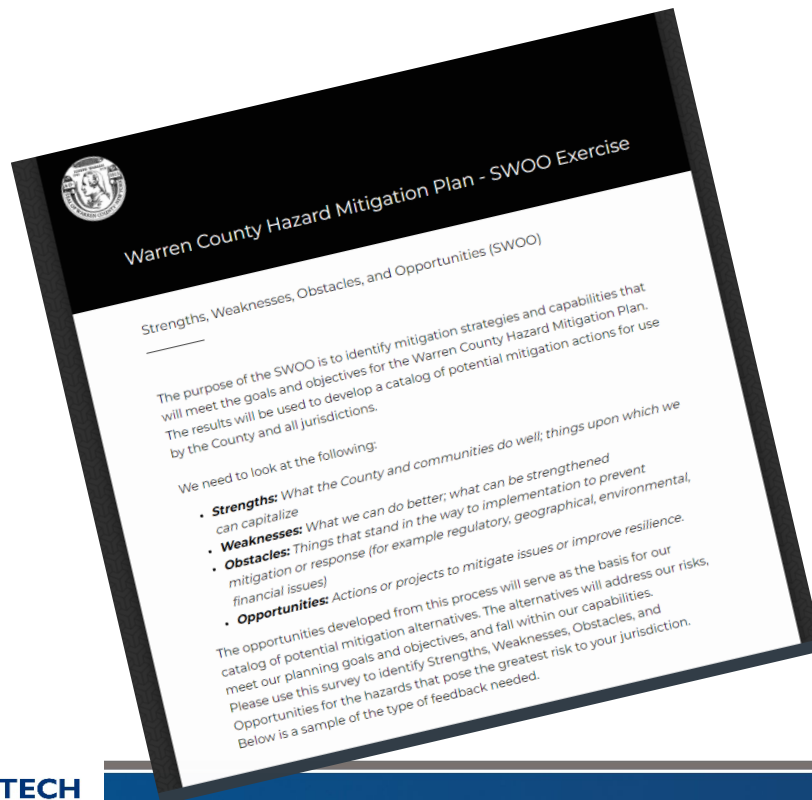


# SWOO EXERCISE

## Strengths, Weaknesses, Obstacles and Opportunities

Thinking about hazards of concern and any new hazards for this update...what are some strengths, weaknesses, obstacles and opportunities the County has for each? Complete the form.

*Here are some examples to help brainstorm:*



Hazard: Flood	
S	Minimal exposure to flood risk
W	Silt and debris buildup in streams can lead to localized flooding
Ob	Funding for culvert and catch basin maintenance
Opps	Installing stream gages

Hazard: Severe Storms	
S	Tree trimming programs are in place
W	Aging infrastructure; lack of underground utilities
Ob	Cost to retrofit existing utility infrastructure
Opps	Underground utilities; enhance public outreach program

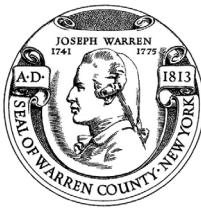
Hazard: Severe Winter Storm	
S	Municipalities have the resources and experience to deal with winter weather
W	Aging equipment
Ob	Funding; limited staff for prolonged events
Opps	Shared services



# 2020 SW00 Discussion/Example

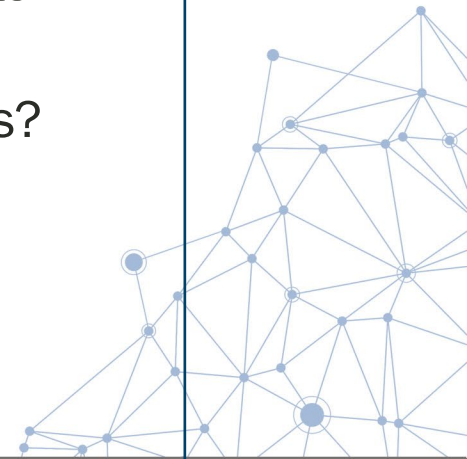
Flood	
Strengths	Weaknesses
<p>What do the County/Communities do well in terms of:</p> <ul style="list-style-type: none"><li>➤ Plans and Regulations<ul style="list-style-type: none"><li>➤ Codes, Ordinances, Planning Studies, Comprehensive Plans, Adaptation and Resiliency Plans</li></ul></li><li>➤ Structure and Infrastructure Projects</li><li>➤ Natural Systems Protection</li><li>➤ Education and Awareness Programs?</li><li>➤ Preparedness</li><li>➤ Others?</li></ul>	<p>What can the County/Communities do better or what are identified gaps in terms of:</p> <ul style="list-style-type: none"><li>➤ Plans and Regulations<ul style="list-style-type: none"><li>➤ Codes, Ordinances, Planning Studies, Comprehensive Plans, Adaptation and Resiliency Plans</li></ul></li><li>➤ Structure and Infrastructure Projects</li><li>➤ Natural Systems Protection</li><li>➤ Education and Awareness Programs?</li><li>➤ Preparedness</li><li>➤ Others?</li></ul>



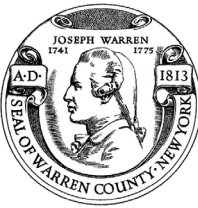


# 2020 SW00 Discussion/Example

Flood	
Obstacles	Opportunities
<p>What is preventing the County/Communities to implement:</p> <ul style="list-style-type: none"><li>➤ Plans and Regulations<ul style="list-style-type: none"><li>➤ Codes, Ordinances, Planning Studies, Comprehensive Plans, Adaptation and Resiliency Plans</li></ul></li><li>➤ Structure and Infrastructure Projects</li><li>➤ Natural Systems Protection</li><li>➤ Education and Awareness Programs?</li><li>➤ Preparedness</li><li>➤ Others?</li></ul>	<p>What can the County/Communities implement terms of:</p> <ul style="list-style-type: none"><li>➤ Plans and Regulations<ul style="list-style-type: none"><li>➤ Codes, Ordinances, Planning Studies, Comprehensive Plans, Adaptation and Resiliency Plans</li></ul></li><li>➤ Structure and Infrastructure Projects</li><li>➤ Natural Systems Protection</li><li>➤ Education and Awareness Programs?</li><li>➤ Preparedness</li><li>➤ Others?</li></ul>

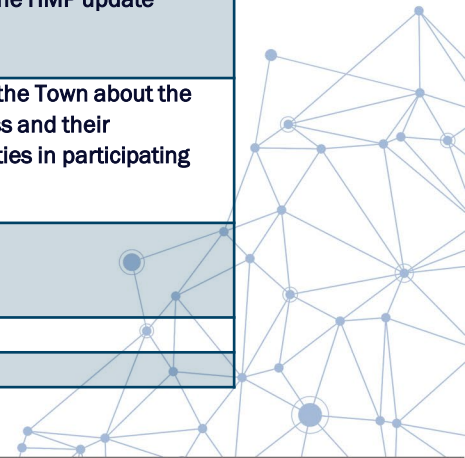


# In-Kind Services



- Use on-line survey: <https://www.surveymonkey.com/r/WarrenNYHMPInKind>
- Submit form to Jim Lieberum at jim1@warrenswcd.org

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	

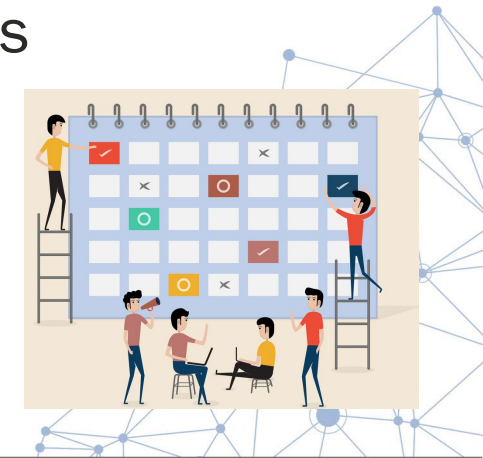


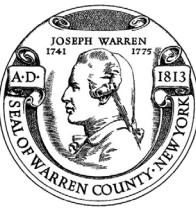




# Schedule

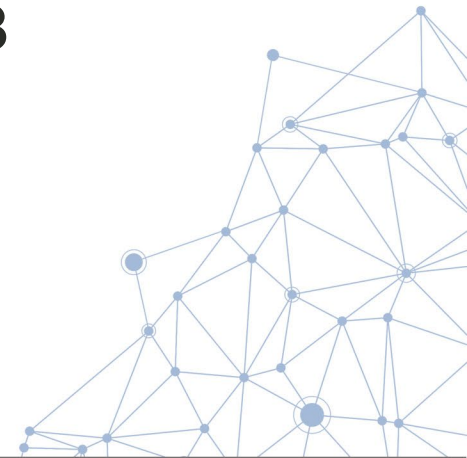
- Planning Process
  - Steering Committee #2 to identify hazards of concern for County and finalize goals– TODAY!
- Update Risk Assessment
  - Data collection is underway; confirm local critical facilities inventory by December 21, 2022
  - Begin vulnerability assessment
  - Risk Assessment Meetings: February (Steering Committee and Planning Partnership)
- Public Involvement Strategy – ongoing throughout the planning process





# Schedule

- Mitigation Strategy
  - Begin working with the municipalities to develop mitigation strategy/actions: **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**



# Questions?





## Warren County Emergency Services Project Contacts

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## Tetra Tech Project Contacts

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Thank  
You!