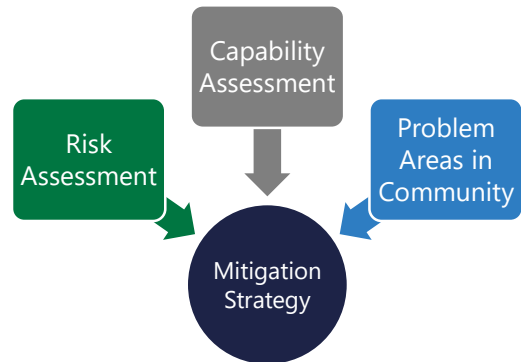


Today's Meeting



- Helping each of you develop mitigation actions for your community
- At least one action for every hazard of concern
- Actions should address...
 - Municipal assets
 - Vulnerable and underserved populations
 - Climate change
 - Problem areas within municipality



Broome County Hazard Mitigation Plan 2024 Update

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Developing Mitigation Actions



- **Some things to think about...**
 - Which structures are most vulnerable to flooding or other hazards?
 - How reliable is your infrastructure and utilities?
 - What are the main challenges you face during hazard events?
 - Are there any resource gaps (staff, training, data, funding)?
 - Who are the vulnerable populations that struggle to receive assistance during hazard events?
 - What goes wrong with assets during/after a storm event? What can you do NOW to prevent future damages?


HMP actions should focus on what you can realistically use and implement over the next five years.



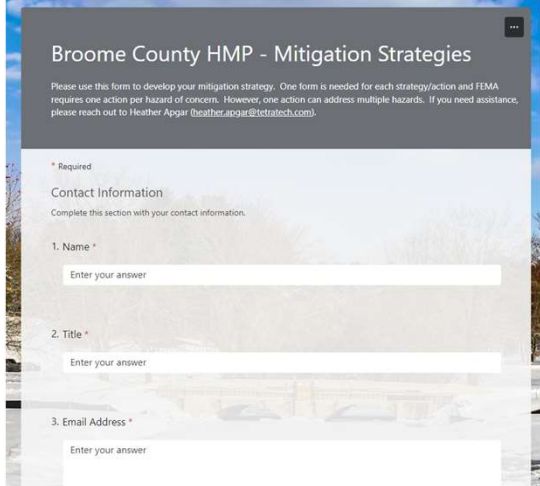

Broome County Hazard Mitigation Plan 2024 Update

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Mitigation Strategy Online Form




- We will be collecting input on mitigation actions through an online form
- Complete one form per action (<https://forms.office.com/r/y3a6nhmMkU>)
- We will be providing additional information to help with the actions
- Any questions, reach out!
- All forms are **due March 22nd**

Broome County Hazard Mitigation Plan 2024 Update


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Ideas to get you started...



- Enhance outreach focusing on natural hazards
- Protecting critical facilities in the floodplain
- Mitigating RL and SRL properties
- Debris management plans
- Flood warning systems
- Roadway elevations

Grant funding available to complete these projects!!



Broome County Hazard Mitigation Plan 2024 Update

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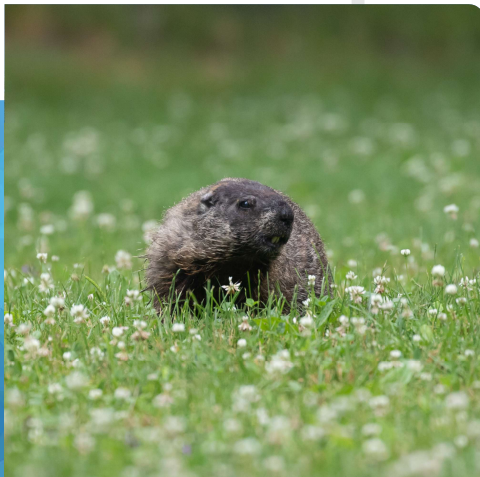


Let's hear from you!

- Broome County
- Barker (T)
- Binghamton (C)
- Binghamton (T)
- Chenango (T)
- Colesville (T)
- Conklin (T)
- Deposit (V)
- Dickinson (T)
- Endicott (V)
- Fenton (T)
- Johnson City (V)
- Kirkwood (T)
- Lisle (V)
- Maine (T)
- Nanticoke (T)
- Port Dickinson (V)
- Sanford (T)
- Triangle (T)
- Union (T)
- Vestal (T)
- Whitney Point (V)
- Windsor (T)
- Windsor (V)



Broome County Hazard Mitigation Plan 2024 Update



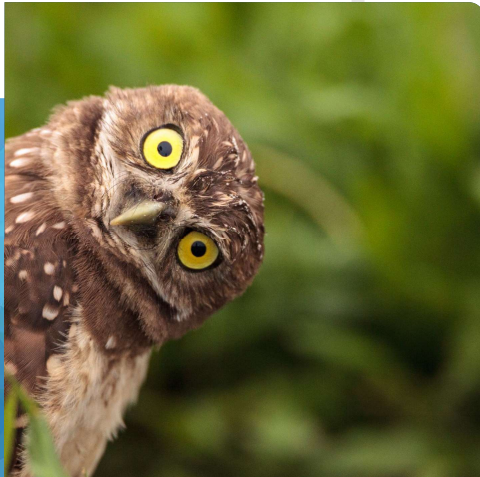
Project Schedule and Next Steps

Upcoming meetings and key milestones throughout the HMP update process

Next Steps




Item	Due Date
Mitigation actions to Tetra Tech	Friday, March 22 nd
Tetra Tech distributes annexes to municipalities	Friday, March 29 th
Municipalities review/provide input	Friday, April 5 th
Draft Plan Review Period	April 30 th – May 30 th
Draft Plan Review Meeting	TBD (mid-May)
Submit draft to DHSES	June 2024
Submit draft to FEMA	July 2024
Adopt HMP	August-September 2024




Questions?

Contact Information



<ul style="list-style-type: none"> • Broome County • Barker (T) • Binghamton (C) • Binghamton (T) • Chenango (T) • Colesville (T) • Conklin (T) 	<p>Maddie Lane maddie.lane@tetratech.com (919) 485-2076</p>	<ul style="list-style-type: none"> • Lisle (V) • Maine (T) • Nanticoke (T) • Port Dickinson (V) • Sanford (T) • Whitney Point (V) • Windsor (T) • Windsor (V) 	<p>Emily Vassallo emily.vassallo@tetratech.com (717) 545-3580</p>
<ul style="list-style-type: none"> • Dickinson (T) • Endicott (V) • Fenton (T) • Johnson City (V) • Kirkwood (T) • Triangle (T) • Union (T) • Vestal (T) 	<p>Grace Altenburg grace.altenburg@tetratech.com (352) 455-1822</p>	<ul style="list-style-type: none"> • Deposit (V) 	<p>Jessica Stokes jessica.stokes@tetratech.com (973) 630-8017</p>



Broome County Hazard Mitigation Plan 2024 Update

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Action Name:	Warming and Cooling Centers	
Description of the Problem:	The Town lacks warming and cooling centers. Extreme temperature events, particularly cold weather events, warrant the establishment of appropriate facilities to fill this need.	
Hazard(s) of Concern: Check all that apply	<input type="checkbox"/> Dam/Levee Failure <input type="checkbox"/> Disease Outbreak <input type="checkbox"/> Drought <input type="checkbox"/> Earthquake <input checked="" type="checkbox"/> Extreme Temperature	<input type="checkbox"/> Flood <input type="checkbox"/> Infestation and Invasive Species <input checked="" type="checkbox"/> Severe Storm <input checked="" type="checkbox"/> Severe Winter Storm <input type="checkbox"/> Wildfire
Description of the Solution:		
Lead Agency:		
Supporting Agencies:		

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Description of the Solution:	The Town will review available facilities that could fit the needs of warming and cooling centers. Factors to consider will include capacity, access, and backup power. Facilities identified as appropriate locations for warming and cooling centers will have the necessary upgrades made (HVAC, backup power generation) as necessary. Outreach will be conducted on the availability of these locations for sheltering during extreme temperature events.	
Lead Agency:		
Supporting Agencies:		

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Description of the Solution:	The Town will review available facilities that could fit the needs of warming and cooling centers. Factors to consider will include capacity, access, and backup power. Facilities identified as appropriate locations for warming and cooling centers will have the necessary upgrades made (HVAC, backup power generation) as necessary. Outreach will be conducted on the availability of these locations for sheltering during extreme temperature events.	
Lead Agency:	Town Board and Planning	
Supporting Agencies:	Town Engineer	

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Impact on Critical Facilities/Lifelines:	This project is related to community lifelines in the Town; the project will allow the lifelines to serve as heating/cooling centers as needed.	
Estimated Cost:		
Potential Funding Sources:		
Implementation Timeline:		
Goals Met:		
Benefits:		
Mitigation Action Type: Check all that apply	<input type="checkbox"/> Local Plans and Regulations (LPR) <input type="checkbox"/> Structure and Infrastructure Project (SIP)	<input type="checkbox"/> Natural Systems Protection (NSP) <input type="checkbox"/> Education and Awareness Programs (EAP)
CRS Category: Complete if address flooding	<input type="checkbox"/> Preventative Measures (PR) <input type="checkbox"/> Property Protection (PP) <input type="checkbox"/> Public Information (PI)	<input type="checkbox"/> Natural Resource Protection (NR) <input type="checkbox"/> Structural Flood Control Projects (SP) <input type="checkbox"/> Emergency Services (ES)

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Impact on Critical Facilities/Lifelines:	This project is related to community lifelines in the Town; the project will allow the lifelines to serve as heating/cooling centers as needed.	
Estimated Cost:	\$25,000+	
Potential Funding Sources:	FEMA Emergency Food and Shelter Program, NYS Climate Smart Grant Program, FEMA HMA (HMGP), Town Budget	
Implementation Timeline:		
Goals Met:		
Benefits:		
Mitigation Action Type: Check all that apply	<input type="checkbox"/> Local Plans and Regulations (LPR) <input type="checkbox"/> Structure and Infrastructure Project (SIP)	<input type="checkbox"/> Natural Systems Protection (NSP) <input type="checkbox"/> Education and Awareness Programs (EAP)
CRS Category: Complete if address flooding	<input type="checkbox"/> Preventative Measures (PR) <input type="checkbox"/> Property Protection (PP) <input type="checkbox"/> Public Information (PI)	<input type="checkbox"/> Natural Resource Protection (NR) <input type="checkbox"/> Structural Flood Control Projects (SP) <input type="checkbox"/> Emergency Services (ES)

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Impact on Critical Facilities/Lifelines:	This project is related to community lifelines in the Town; the project will allow the lifelines to serve as heating/cooling centers as needed.	
Estimated Cost:	\$25,000+	
Potential Funding Sources:	FEMA Emergency Food and Shelter Program, NYS Climate Smart Grant Program, FEMA HMA (HMGP), Town Budget	
Implementation Timeline:	Within 5 years	
Goals Met:	1, 4, 5	
Benefits:	Warming and cooling centers established; resources available to residents during power outages or times of extreme heat/cold	
Mitigation Action Type: Check all that apply	<input checked="" type="checkbox"/> Local Plans and Regulations (LPR) <input checked="" type="checkbox"/> Structure and Infrastructure Project (SIP)	<input type="checkbox"/> Natural Systems Protection (NSP) <input type="checkbox"/> Education and Awareness Programs (EAP)
CRS Category: Complete if address flooding	<input type="checkbox"/> Preventative Measures (PR) <input type="checkbox"/> Property Protection (PP) <input type="checkbox"/> Public Information (PI)	<input type="checkbox"/> Natural Resource Protection (NR) <input type="checkbox"/> Structural Flood Control Projects (SP) <input type="checkbox"/> Emergency Services (ES)

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Impact on Socially Vulnerable Populations:	This project will provide additional services to socially vulnerable and/or underserved communities by providing heating/cooling centers to use during power outages and extreme temperature events.		
Impact on Future Development:			
Climate Change Considerations:			
Priority: Check one	<input type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low

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Impact on Socially Vulnerable Populations:	This project will provide additional services to socially vulnerable and/or underserved communities by providing heating/cooling centers to use during power outages and extreme temperature events.		
Impact on Future Development:	No known impacts on future development		
Climate Change Considerations:			
Priority: Check one	<input type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low

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Impact on Socially Vulnerable Populations:	This project will provide additional services to socially vulnerable and/or underserved communities by providing heating/cooling centers to use during power outages and extreme temperature events.		
Impact on Future Development:	No known impacts on future development		
Climate Change Considerations:	The project does not directly address anticipated impacts of climate change; however, projections are showing increased temperatures which can lead to an increase in the need for heating/cooling centers.		
Priority: Check one	<input checked="" type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low

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Criteria	Description	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	How effective will the action be at protecting lives and preventing injuries? Will the proposed action adversely affect one segment of the population?	1	Provides sheltering
Property Protection	How significant will the action be at eliminating or reducing damage to structures and infrastructure? Developing in the floodplain or high-risk areas?	0	-
Cost-Effectiveness	Are the costs to implement the project or initiative commensurate with the benefits achieved?	1	Benefits outweigh the costs
Political	Is there overall public support for the action? Is there the political will to support it? Is the action at odds with development pressures?	1	There is political support for this project.
Legal	Does the jurisdiction have the authority to implement the action?	1	The Town has authority to implement the project.
Fiscal	Can the action be funded under existing program budgets (i.e., is this initiative currently budgeted for)? Or would it require a new budget authorization or funding from another source such as grants?	0	The Town needs grant funding to complete project.
Environmental	What are the potential environmental impacts of the action? Will it comply with environmental regulations? Are there co-benefits of this action?	0	-
Social Vulnerability	Does the action benefit socially vulnerable populations and underserved communities? Additional considerations can include the SVI index and other appropriate measures of social vulnerability.	1	This project will provide additional services to socially vulnerable and/or underserved communities by providing heating/cooling centers to use during power outages and extreme temperature events.

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Criteria	Description	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Administrative	Does the jurisdiction have the personnel and administrative capabilities to implement the action and maintain it or will outside help be necessary?	1	-
Hazards of Concern	Does the action address one or more of the jurisdiction's high-ranked hazards?	1	Extreme Temperature, Severe Weather, Severe Winter Weather
Climate Change	Does the action incorporate climate change projections for the jurisdiction? Is the action designed to withstand/address long-term conditions?	0	The project does not directly address anticipated impacts of climate change; however, projections are showing increased temperatures which can lead to an increase in the need for heating/cooling centers.
Timeline	Can the action be completed in less than 5 years (within the planning horizon of the HMP)?	1	Within 5 years
Community Lifelines	Does this project benefit community lifelines?	1	This project is related to community lifelines in the Town; the project will allow the lifelines to serve as heating/cooling centers as needed.
Other Objectives	Does the action advance other entity objectives, such as capital improvements, economic development, environmental quality, or open-space preservation? Does it support the policies of other plans and programs?	1	-
Total		10	
Priority (High/Med/Low)		High	