

Core Team Kickoff Meeting

December 17, 2021









Welcome & Introductions



Agenda

- Project scope and planning process
- Climate change impacts and vulnerabilities
- Goals of MVP process in Tolland
- Workshop logistics and attendance
- Data needs
- Next steps

MVP Program Legend MVP Action Grants Completed In-progress MVP_region_boundaries MVP regional partnerships MVP Planning Grant municip CONNECTICUT

MVP Process

MVP Planning Grant

COMMUNITY RESILIENCE BUILDING WORKSHOP(S)

Define and characterize hazards using latest science and data

Identify existing and future community vulnerabilities and strengths

Develop and prioritize community adaptation actions

Identify opportunities to take action

Conduct community engagement

MVP A

Imple adap

Town of Tolland MVP/HMP Planning Grant

Task Name	December	January	February	March	April	May	June	Next SFY
Core Team Meetings	х	х	х			х		
Quarterly Reporting	x			x			x	
Set up community email	х							
Community survey?	x	x						
Information sharing events	х	х	х	х				
Data gathering and stakeholder interviews	Х	Х	х					
MVP CRB Workshop/s				Х	х			
Draft Summary of Findings Report								
Community Listening Session/s						Х	х	
Finalize Summary of Findings Report							х	
Submit Final Materials to EEA							х	
Hazard Mitigation Plan Update								
Meetings to review draft updates	х	х		х	х		х	
Submit to MEMA for submission to FEMA							х	
FEMA Approval								х
Local Adoption								х

Community Resilience Building (CRB) Process

- A Prepare for the Worksh
- B Characterize Hazards
- Identify Community
 Vulnerabilities and Stree
- D Identify and Prioritize Community Actions
- Determine the Overall Priority Actions

Community Components

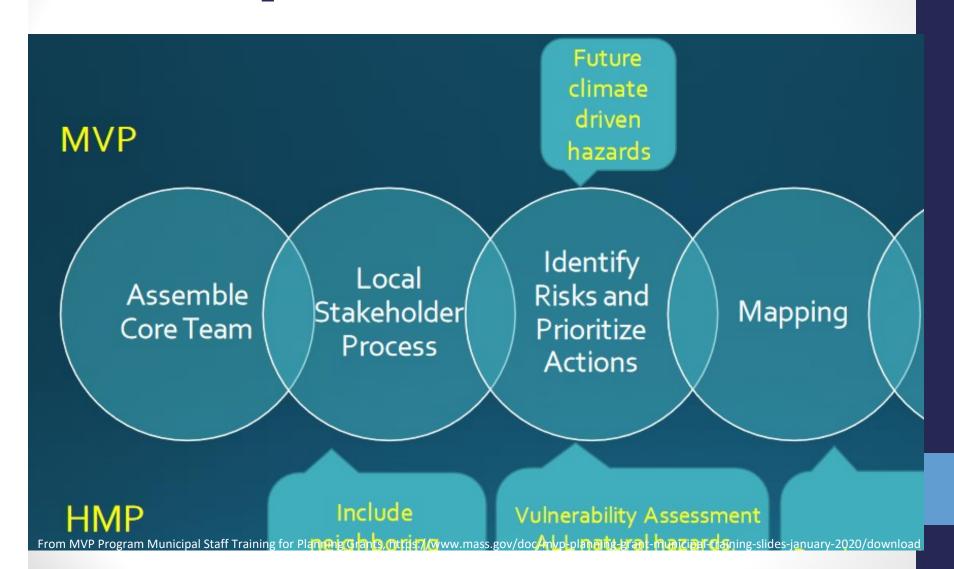








HMP Update Process



Climate Change Impacts on Natural Hazards

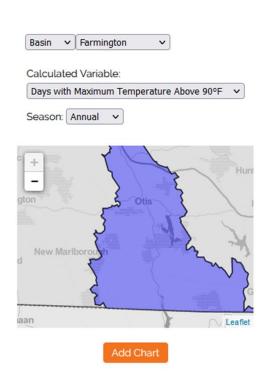
Climate Change Projections for Massachusetts

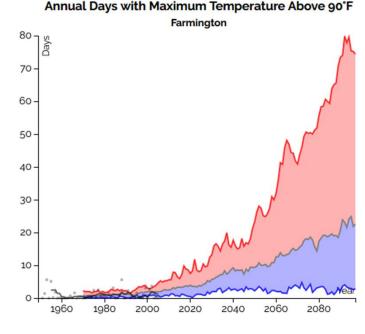
CLIMATE CHANGES	RELATED NATURAL HAZARDS	PROJECTIONS BY THE END OF THIS CENTURY				
Changes in precipitation	Inland floodingDroughtLandslide	 Annual precipitation: Increase up to 16% (+7.3 inches) Days with rainfall accumulation 1+ inch: Increase up to 57% (+4 days) Consecutive dry days: Increase 18% (+3 days) Summer precipitation: Decrease 				
Rising temperatures	 Average/extreme temperatures Wildfires Invasive species 	 Average annual temperature: Increase up to 23% (+10.8 degrees Fahrenheit) Days/year with daily minimum temperatures below freezing: Decrease up to 42% (-62 days) Winter temperatures: Increase at a greater rate than spring, summer, or fall Long-term average minimum winter temperature: Increase up to 66% (+11.4 degrees Fahrenheit) Days/year with daily maximum temperatures over 90 degrees Fahrenheit: Increase by up to 1,280% (+64 days) Growing degree days: Increase by 23% to 52% 				
Extreme weather	 Hurricanes/tropical storms Severe winter storms/nor'easters Tornadoes Other severe weather 	- Frequency and magnitude: Increase				

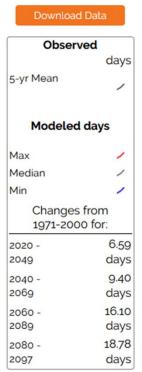
Note: This plan also assesses earthquakes, but there is no established correlation between climate change and earthquakes.

Source of Climate Change Projections: Northeast Climate Adaptation Science Center at the University of Massachusetts, Amherst.

Climate Change Impacts – Farmington River Basin

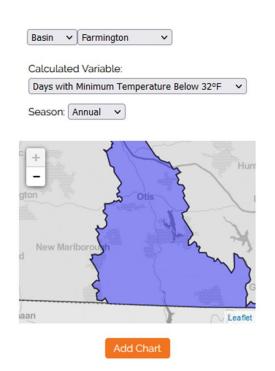


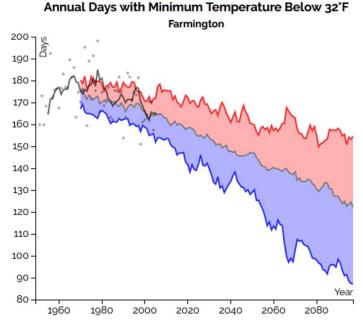






Climate Change Impacts – Farmington River Basin



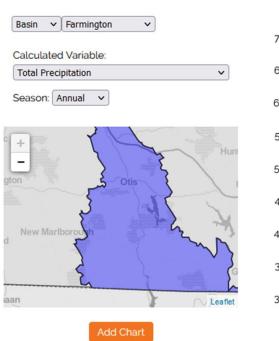


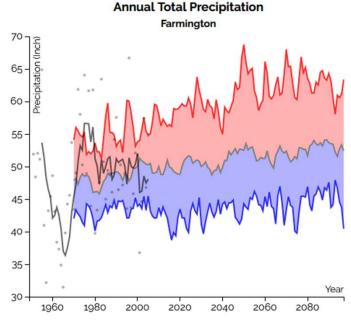


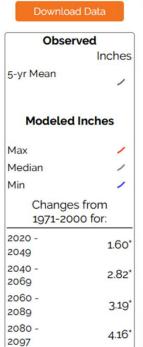
Observed						
	days					
5-yr Mean	/					
Modeled days						
Max	/					
Median	/					
Min	/					
Changes from 1971-2000 for:						
2020 - 2049	-23.80days					
2040 - 2069	-33.32days					
2060 - 2089	-40.37days					
2080 - 2097	-47.17days					



Climate Change Impacts – Farmington River Basin









Goals

- Why does Tolland need to discuss current and future impacts of hazards?
- How will Tolland use the information and decisions developed during the process?

What Does Tolland Get Out of This Process?

- Understanding of local strengths and vulnerabilities
- Eligibility to apply for funding to implement priority projects
 - MVP Action Grants
 - FEMA Hazard Mitigation Assistance Grants

Applicant	Project Title	Recommended Funding
Concord	Reforestation and Tree Resilience	\$150,000
Deerfield	Reducing Flooding Vulnerability in Deerfield	\$278,023
Northampton	Protecting Downtown: Northampton's Flood Control Levees	\$315,000
Walpole	Culvert Assessment and Green Infrastructure Survey	\$166,496
Wrentham	Eagle Dam Removal	\$46,000

Core Team Roles and Responsibilities

- Provide local information and expertise
- Identify and engage stakeholders
- Attend and participate in meetings, workshop(s), and public listening session(s)
- Review and provide input on draft plan chapters, hazard maps, and priority actions

Workshop Schedule and Logistics

- In person or virtual
- One day (6-8 hours) or two half-days (4 hours each)
- If in person, suitable location
- Date(s) and time(s) March/April timeframe



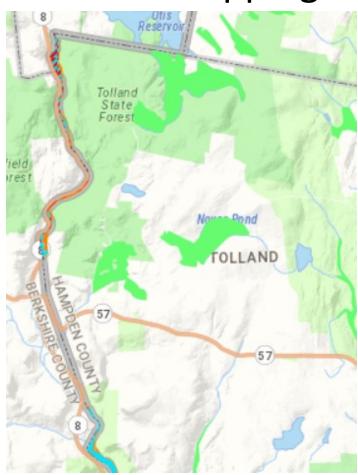


Stakeholder Identification

- Who are the key decision makers in your community?
- Who is directly responsible for implementing decisions?
- Who has influence on decisions in your community?
- Which entities will be impacted by decisions?

Data Needs

- Past plans, studies, or reports
- Any specific hazard mapping needed?



Next Steps

- Send community photos to etully@pvpc.org
- Schedule next meeting
- Finalize list of participants
- Finalize workshop dates
- Finalize outreach and publicity plan
- Schedule stakeholder interviews