

### Thank You to Ludlow's MVP/HMP Core Team

- □ Ellie Villano
- Marc Strange
- Doug Stefancik
- □ Penny Lebel
- □ Andrea Crete
- □ Paulina Matusik
- □ Brian Shameklis
- □ Jim Goodreau
- □ Jocelyn Zepke
- □ Ryan Pease



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# Today's Agenda

- □ Introductions, MVP overview, and workshop goals
- □ Changes in climate and impacts on natural hazard risk
- □ Natural hazards risk assessment for Ludlow
- Small group break-out to identify strengths & vulnerabilities
- Small group reporting and finalization of strengths & vulnerabilities
- □ Introduction to Workshop #2

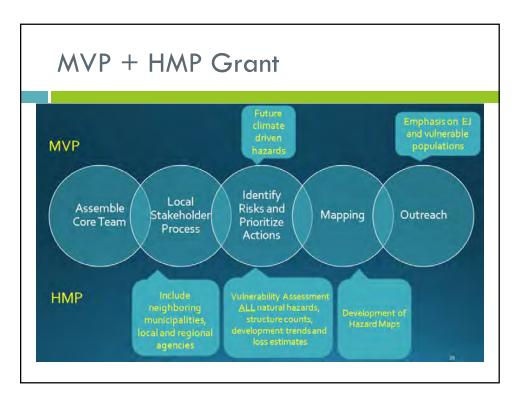


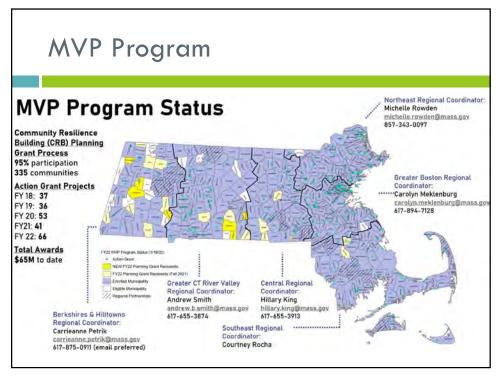
## Why Are We Here?

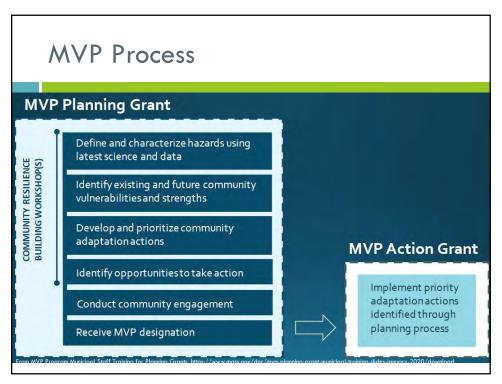
- □ Help the Town of Ludlow improve preparedness for and resilience to natural hazard events
  - Understand community strengths and vulnerabilities
  - Plan for more frequent and intense weather events
  - Engage multiple stakeholders in the planning process
  - Identify short and long-term mitigation actions
  - Improve access to funding for mitigation and adaptation

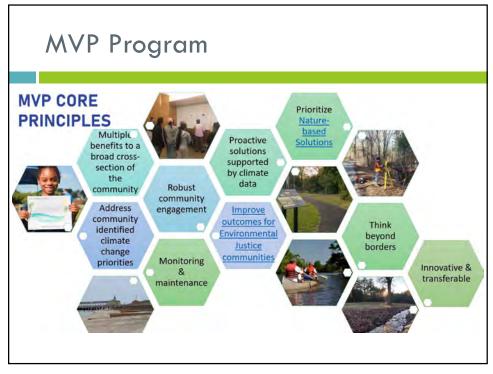


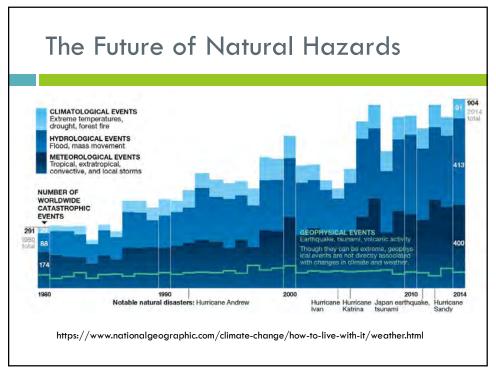
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# The Future of Natural Hazards

 Weather = short-term local atmospheric conditions like rain, wind, or clouds

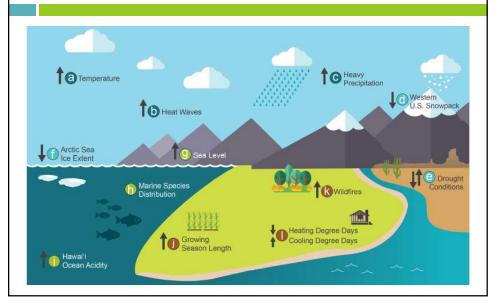
If you don't like the weather in New England, just wait a few minutes.

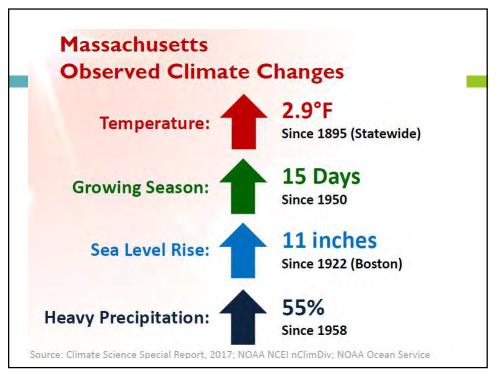
- Mark Twain

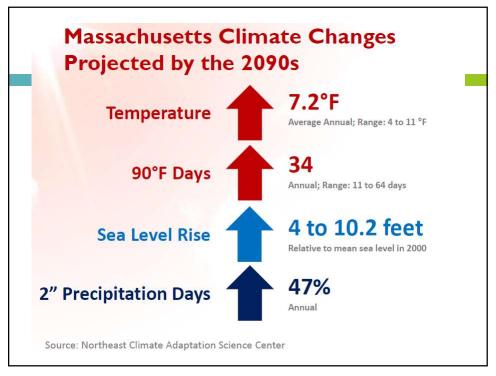
 Climate = long-term regional or global averages of temperature, humidity and rainfall patterns

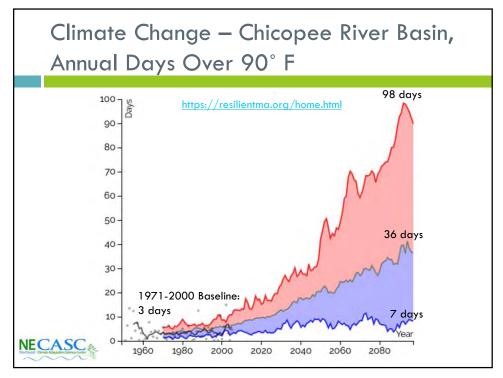
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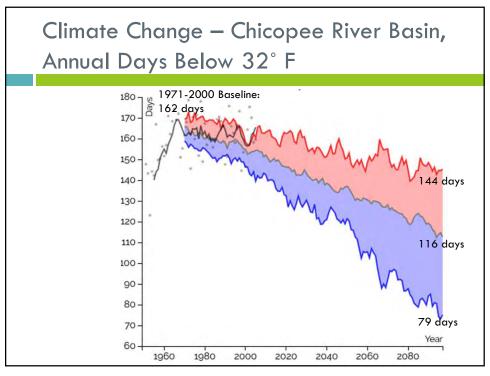
# National Trends

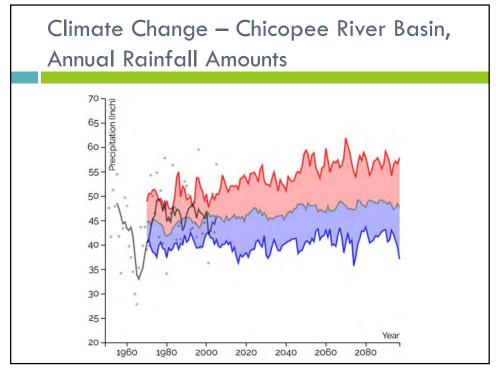


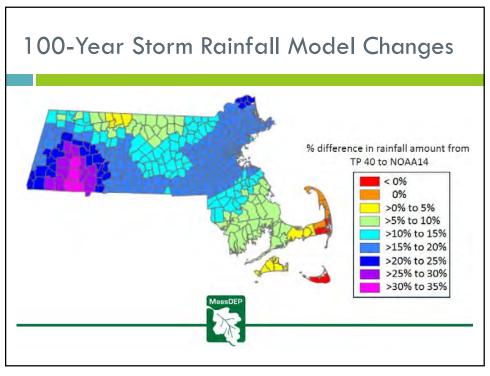


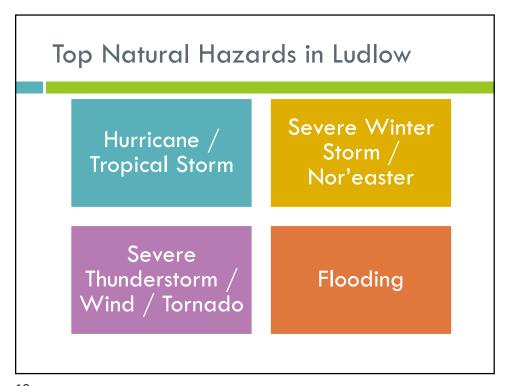


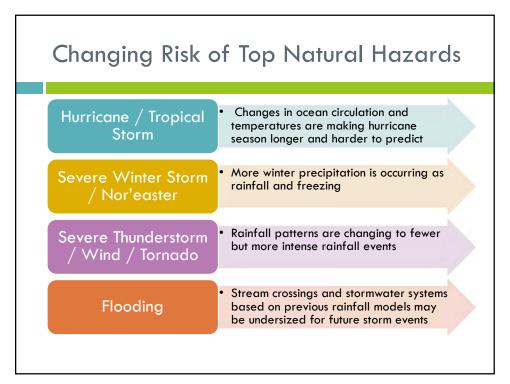


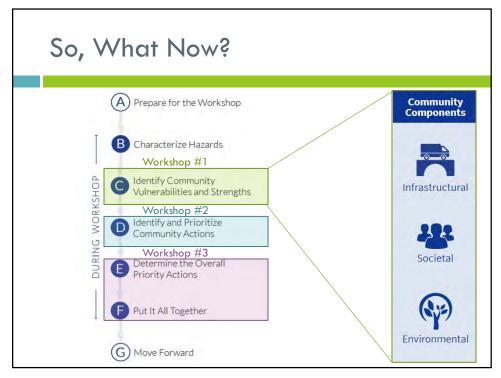
















# **Small Group Exercise**

Break out into small groups to identify strengths and vulnerabilities in the Town of Ludlow

### Small Group Exercise - Report Out

Designated reporter from each group will share assets and whether they are strengths and vulnerabilities to create a master list of all identified assets in Ludlow



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# Next Steps – Workshop #2



Brainstorm mitigation actions and strategies



Prioritize mitigation actions



Mitigation actions can be turned into MVP Action Grant or FEMA HMA Grant applications!

# **MVP Action Grant Project Types**

- Vulnerability and Risk Assessment
- Community Outreach and Education
- Local Bylaws, Ordinances, Plans, and Other Management Measures
- Redesigns and Retrofits
- Nature-Based Flood Protection, Drought Mitigation, Water Quality, and Water Infiltration Techniques
- Nature-Based Infrastructure and Technology Solutions to Reduce Vulnerability to Extreme Heat and Poor Air Quality

- Nature-Based Solutions to Reduce Vulnerability to Other Climate Change Impacts
- Ecological Restoration and Habitat Management to Increase Resiliency
- Energy Resilience
- Chemical Safety
- Land Acquisition for Resilience
- Subsidized Low-Income Housing Resilience Strategies
- Mosquito Control Districts

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# Problems facing towns Nature-based solutions Additional benefits Nature-based solutions Additional benefits Nature-based solutions can save \$5 on every \$1 spent, increase property value by us \$200, and create local pots and capital informs. Coastal growing towns Ecosystem restoration Societal benefits Marad areas can reduce the latent and water, and draw people together to trengthen community thes. Stormwater Booking Low Impact Development Marad areas can reduce the latent and water, and draw people together to trengthen community thes. Environmental benefits Marad areas can reduce the latent and water, and draw people together to trengthen community thes. Environmental benefits Marad areas can reduce the latent and water, and draw people together to trengthen community thes. Environmental benefits Marad areas can reduce the latent and water, and areas people together to trengthen community thes.



