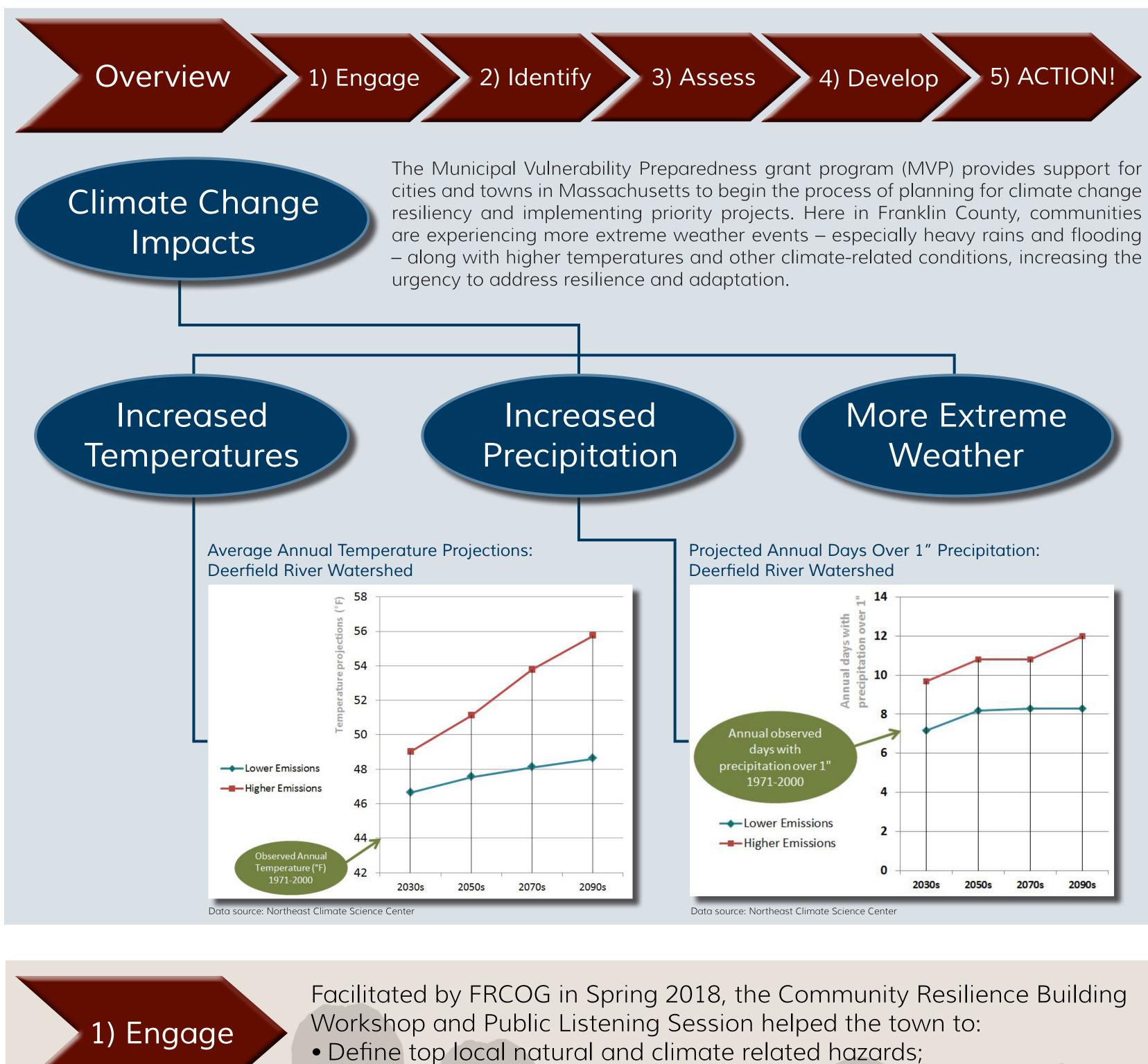
## **Municipal Vulnerability Preparedness (MVP) Program 2018 Town of Colrain Report Summary** Facilitated by the Franklin Regional Council of Governments A State-Certified MVP Provider



- Identify existing and future strengths and vulnerabilities;
- Develop prioritized actions for the community; and
- Identify opportunities to advance actions to increase resilience.

### Participants:

Town	Highway	Fire	Town Office	Energy
Coordinator	Department	Department	Staff	Committe

EMD

5) ACTION!

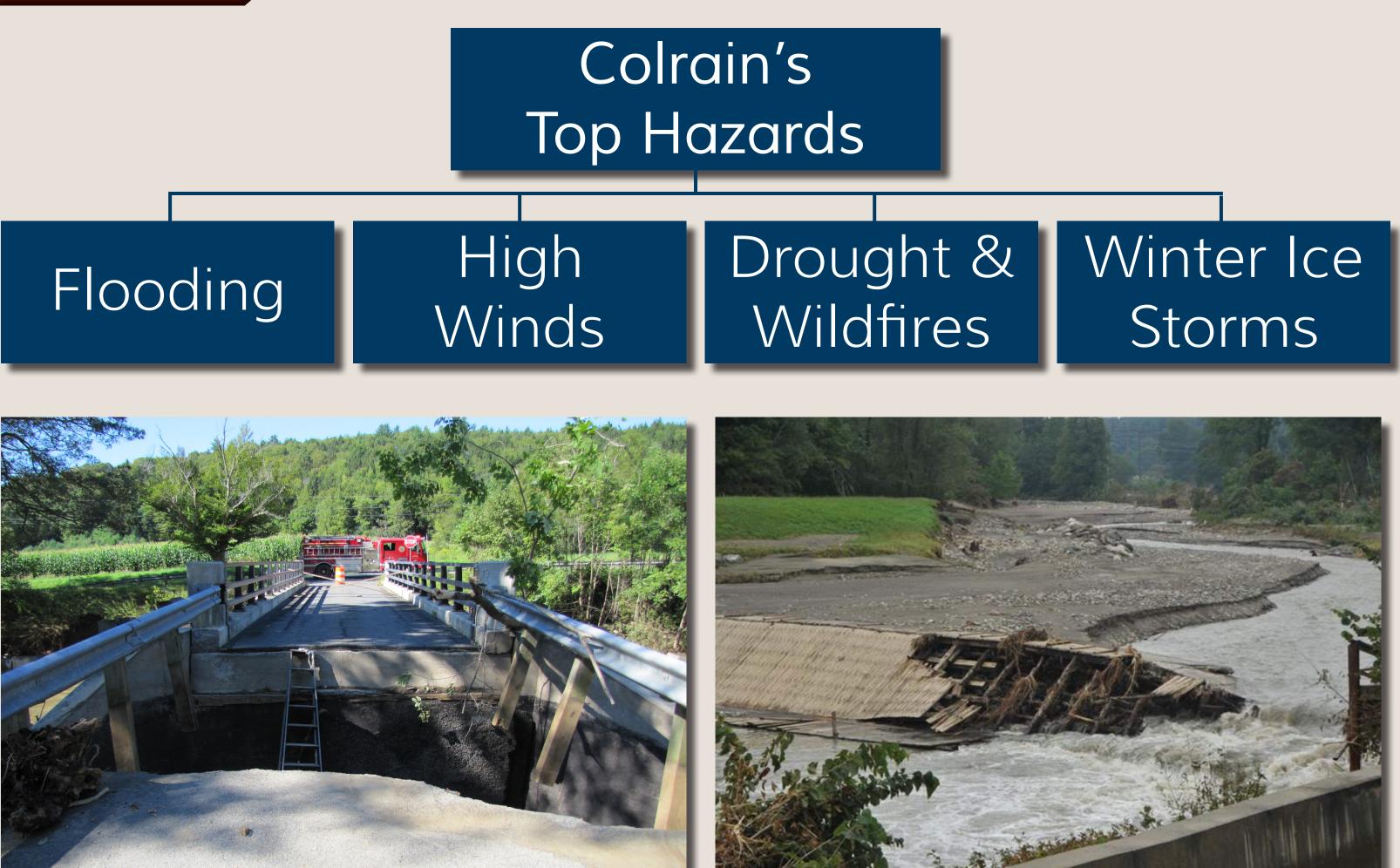


FRCOG (Facilitator) 2) Identify

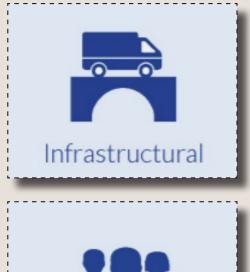
Workshop participants discussed a number of hazards that impact Colrain, deliberating on how frequent, how intense and how widespread each hazard has been and could potentially be in the future. The top hazards identified for Colrain:







# Breakdown of Colrain's Top Vulnerabilities:



Buildings, facilities and an uncapped landfill very close to the East Branch of the North River; shelters in floodplains; many vulnerable bridges and culverts on town and stateowned land; need for sewer and septic in the village center.

Isolated, hard-to-reach populations throughout town; tick-borne illnesses; lack of cell phone and internet service.



Societa

Tree maintenance along roads throughout town; eroding riverbanks along the both branches of the North River; invasive plant species, especially along river corridors; farm fields without buffers along both branches of the North River.



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# Breakdown of Colrain's Top Strengths:



Several bridges and culverts have been or are slated for repair or replacement and the Town is pursuing additional funding for more repairs. Colrain's Fire, Police and EOC facilities are outside of the floodplain and are not vulnerable to flooding. Blackboard Connect serves to provide emergency information to Town residents who participate in the service.



Colrain is a close-knit community where most people know each other and look out for one another. Colrain has a strong volunteer fire and ambulance crew. The Town Administrator is knowledgeable and is actively pursuing funding for the Town.



Much of Colrain is forested; forests are critical to resilience to climate change impacts including cleaning air and water, increasing stormwater infiltration and decreasing runoff, storing carbon and other important functions.

4) Develop

Infrastructure and facilities were common the mesin many of the recommendations to emerge from the workshop, all aimed at increasing resilience and reducing vulnerability to the impacts of climate change. The top five highest priorities are shown below.



Use prioritized list of bridges and culverts to seek funding for bridge and culvert redesign, repair, and replacement.

Procure funding for repair of chronic road issues, including addressing engineering and underlying hydrology and upstream issues.

## 5) ACTION!

- □ Integrate MVP findings into Hazard Mitigation Plan and River Corridor mapping project updates.
- □ Endorse MVP Plan to become an MVP Community
- Apply for MVP Action Grants —



## Colrain's Highest Priority Recommendations

Seek funding to conduct feasibility study and to site, design, and/ or construct a Fire Department facility.

Seek funding to conduct feasibility study and to cap the landfill and to stabilize the riverbank along the property.

Evaluate alternative septic/sewer systems, such as a small package facility for the village or a connection to Barnhardt.

- **Eligible Projects include:**
- Vulnerability and Risk Assessment
- Education and Communication
- Local Bylaws and Ordinances
- Redesigns and Retrofits
- Nature-Based Solutions
- Ecological Restoration and Habitat Management

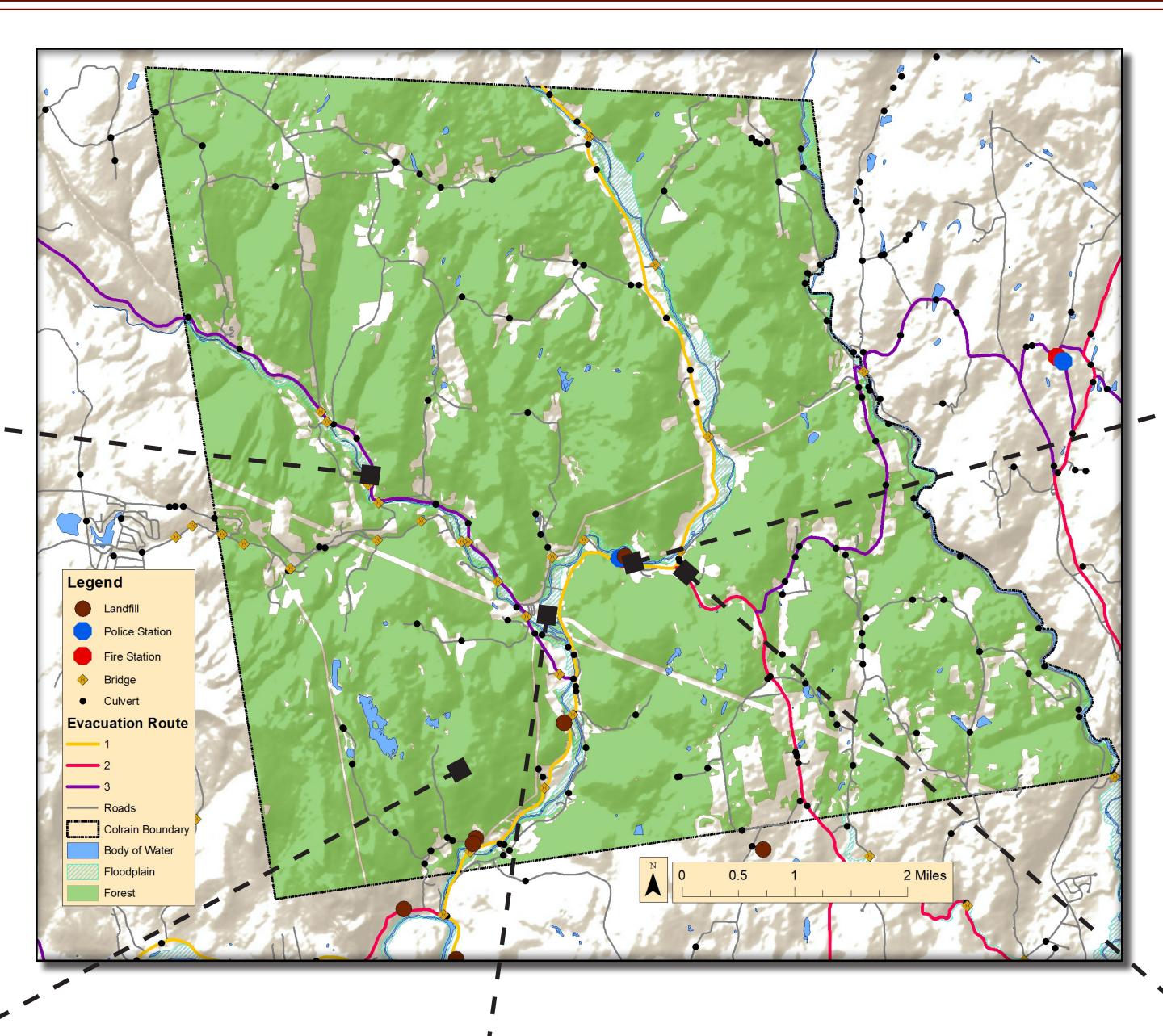
## **Municipal Vulnerability Preparedness (MVP) Program 2018 Town of Colrain Report Maps** Facilitated by the Franklin Regional Council of Governments A State-Certified MVP Provider



Farm fields along the North River do not have a buffer against the impacts of erosion and flooding. A riparian buffer can provide stability, resilience, and wildlife habitat. Shown here are the impacts of Hurricane Irene in 2011 along the North River.



Abundant forest land in Colrain provides a buffer against the impacts of climate change by cooling and cleaning the air and retaining stormwater runoff.





The Barnhardt Manufacturing Co. could provide wastewater treatment for the Town. More discussion of this option could be initiated.





The Fire, Police, and EOC facilities are outside of the floodplain. However, an old, uncapped landfill is very close the the East branch of the North River.



By repairing and replacing bridges and culverts, like this bridge on Jacksonville Rd., Colrain increases resilience to disasters, allowing for safe evacuations and reduced flooding risk.