



Municipal Vulnerability Preparedness (MVP) Program



EXECUTIVE ORDER 569

9.16.16



- Reducing greenhouse gas emissions to combat climate change
- Preparing for the impacts of climate change
 - State Adaptation Plan
 - Climate Coordinators
 - Agency Vulnerability Assessments
 - Municipal Support

ENVIRONMENTAL BOND BILL

8.21.18



- \$2.4 billion bond bill with focus on climate change resiliency
- Over \$500 million authorized for climate change adaptation
- **Codifies EO 569, including the MVP Program**

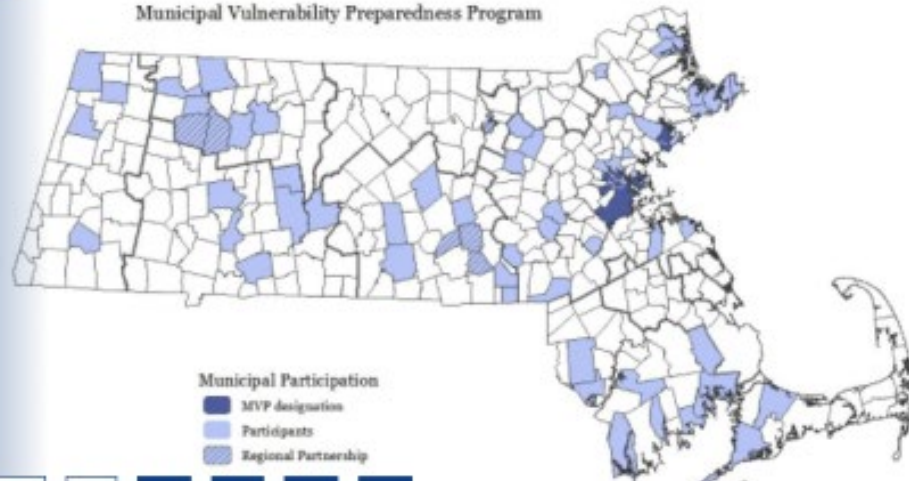
Providing the most up-to-date climate change science and decision-support tools for the Commonwealth. [More »](#)

Municipal Vulnerability Preparedness

Our cities and towns are on the front lines of climate change. The new MVP program from the Executive Office of Energy and Environmental Affairs works with communities across the state to decrease risk, build resiliency, and identify strengths and opportunities through targeted planning and action.

[More »](#)

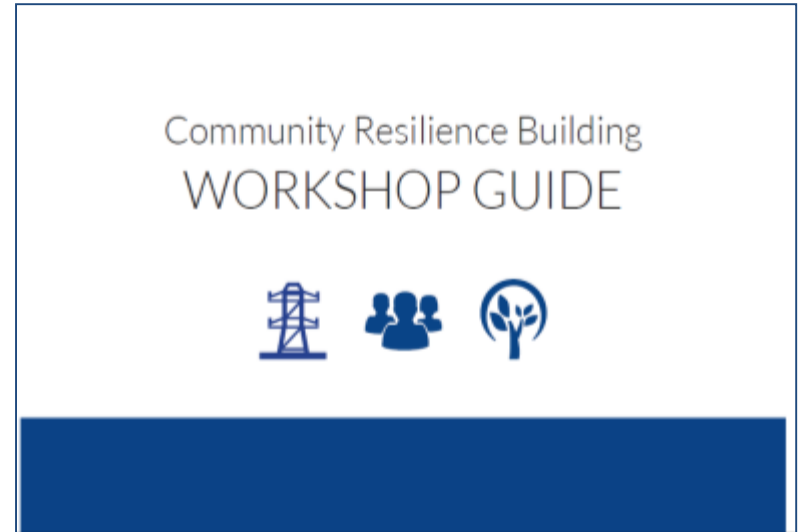
Municipal Vulnerability Preparedness Program



MVP Principles



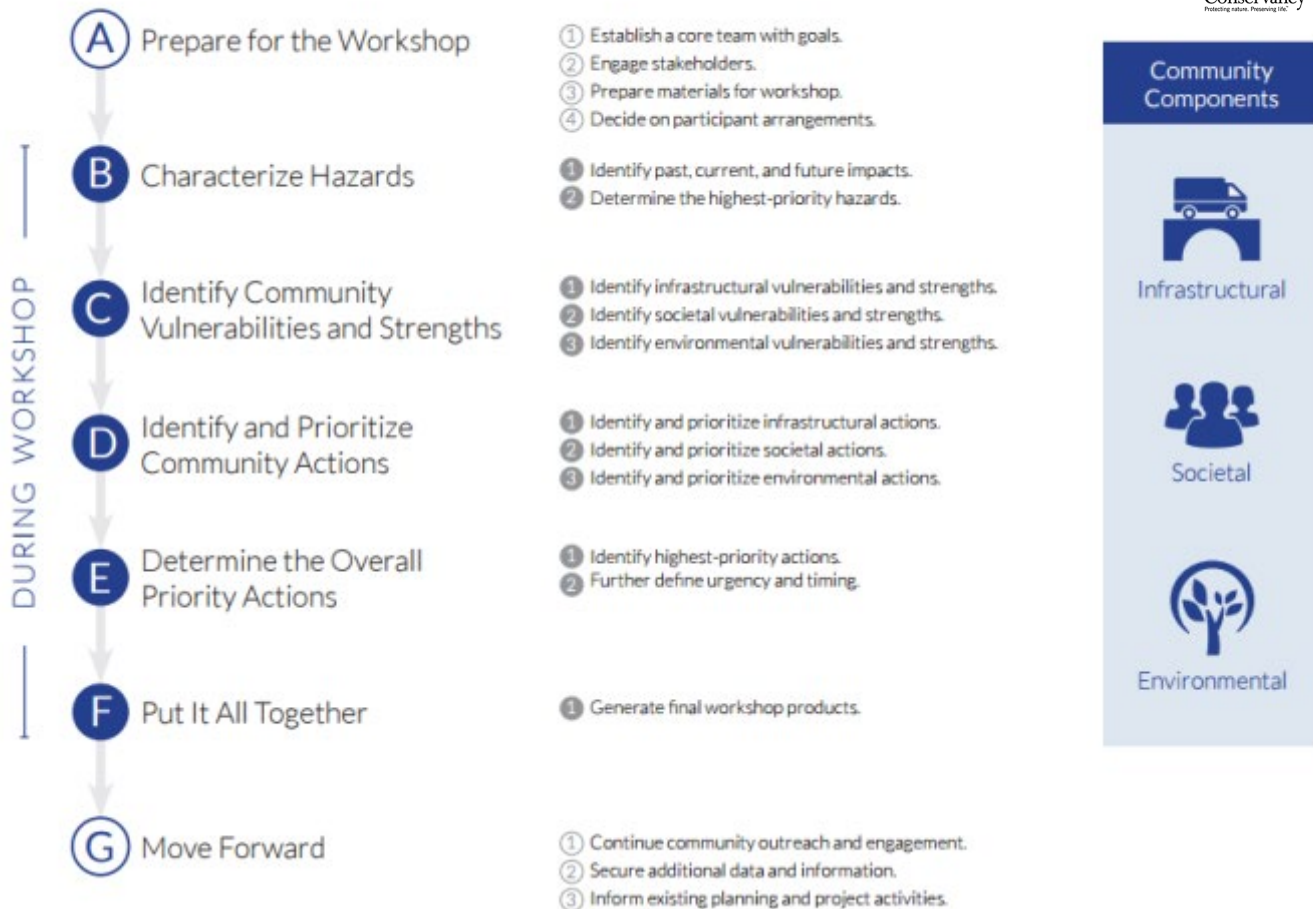
- **Community-led process** that employs local knowledge and requires local buy-in and support
- **Accessible**
- **Utilizes partnerships** and leverages existing efforts
- **Mainstreams** climate change
- **See communities** as local innovators
- **Frames** coordinated statewide efforts.



www.communityresiliencebuilding.com

The Nature Conservancy
RESTORING NATURE. PROTECTING PEOPLE.

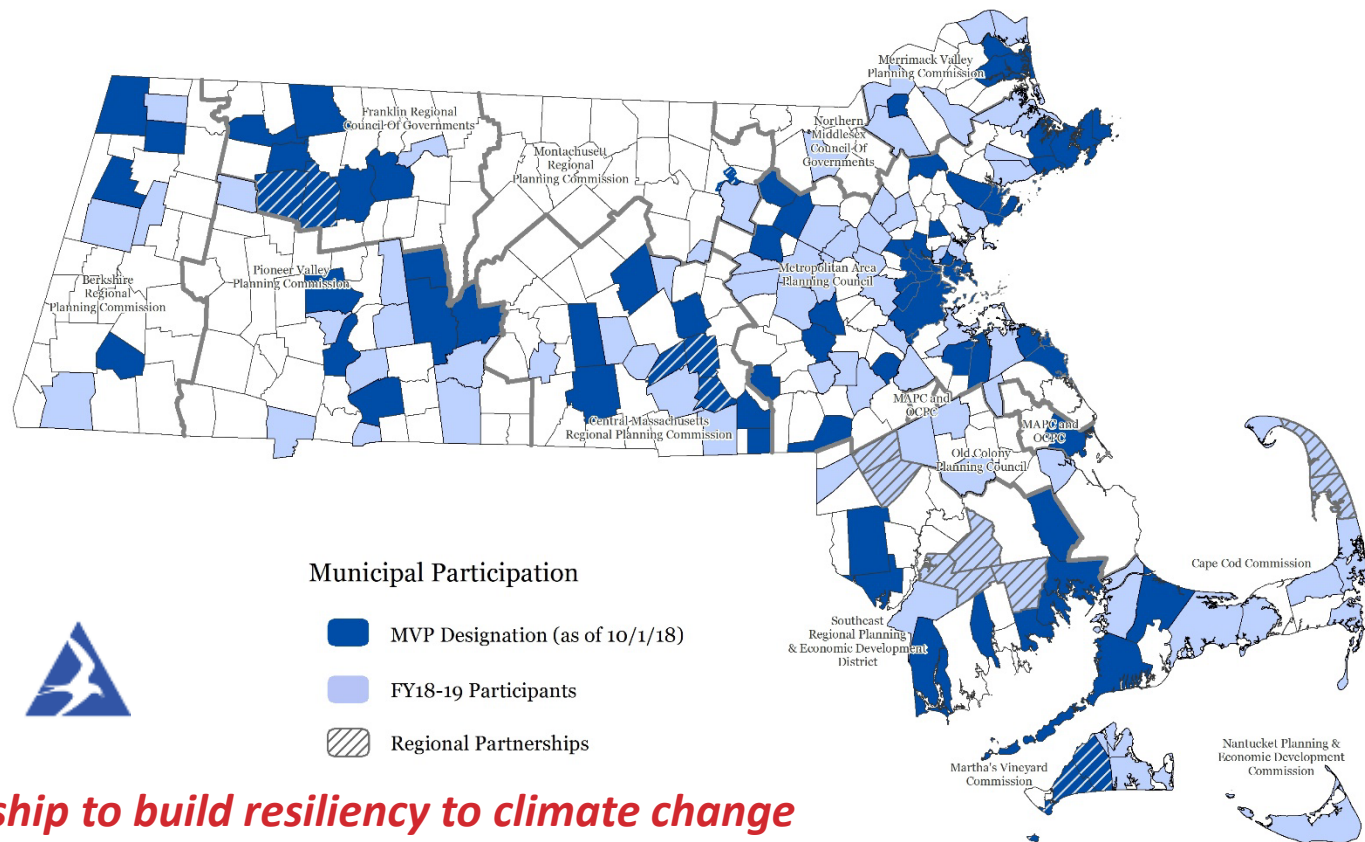
Overview of the Process (Steps & Tasks)



- Must complete 1-2 workshops to cover this process
- Focus on vulnerabilities and strengths
- Produce final report with clearly prioritized actions

Municipal Vulnerability Preparedness (MVP)

2017-2019

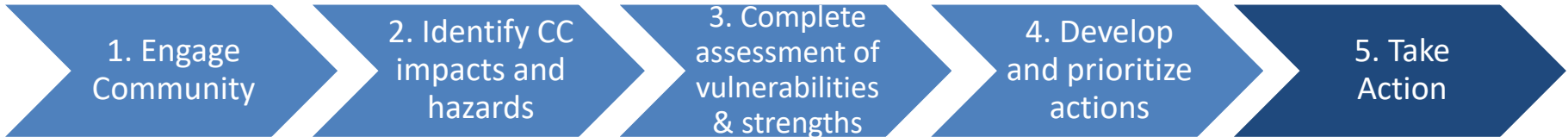


Municipal Participation

- MVP Designation (as of 10/1/18)
- FY18-19 Participants
- Regional Partnerships



State and local partnership to build resiliency to climate change



Two MVP Grant Opportunities



MVP Planning Grant



MVP Action Grant

<https://www.mass.gov/municipal-vulnerability-preparedness-mvp-program>

Maintaining MVP Designation

Each municipality must provide the Commonwealth with a yearly progress report outlining the steps they have taken towards implementing their priority actions. Steps may include (but are not limited to):

Applying for grant funding, such as MVP Action Grant

Right-sizing culverts

Updating existing local plans using the outcomes of the workshop, etc.

Reconvening Core Team to update or revise MVP plan or priority actions

MVP Action Grant



To implement priority climate adaptation actions identified by MVP Communities

Preference for projects to build resilience, are proactive and clearly demonstrate efforts to redesign, re-evaluate, or reconsider and incorporate new climate change data

Projects are encouraged to utilize nature-based strategies to address climate change impacts.

MVP Action Grants: Project Categories

- ❖ Detailed Vulnerability and Risk Assessment
 - e.g., Watershed and Water Supply Vulnerability, Risk Assessment & Management Strategy (City of Gloucester)
- ❖ Public Education and Communication
 - e.g., Meeting an Immediate Need by Learning from Hurricane Maria Survivors (City of Holyoke)
- ❖ Local Bylaws, Ordinances, Plans, and Other Management Measures
 - e.g., Climate Resilience Policy Audit/Amendments, LID & Design Guidelines (Town of Brookline)
- ❖ Redesigns and Retrofits
 - e.g., North River Canal Resilient Wall, Riverwalk & Park (City of Peabody)
- ❖ Ecological Restoration and Habitat Management to Increase Resiliency
 - e.g., Sawmill Brook Central Pond Restoration Design (Town of Manchester)



The Trinity River Corridor will be a didactic landscape unlike any other—where art and sustainability will coexist throughout the built form, advancing the city's most progressive goals and culture, where infrastructure will be rendered green infrastructure where watersheds will be sensed and understood alongside the river, and where Dallas will rediscover and redefine itself.

MVP Action Grant: Project Categories

- ❖ Nature-Based Storm-Damage Protection, Drought Prevention, Water Quality, and Water Infiltration Techniques
 - Road Flooding Protection Project (Town of Montague)
- ❖ Nature-Based, Infrastructure and Technology Solutions to Reduce Vulnerability to Extreme Heat and Poor Air Quality
 - Tree Planting Plan to Mitigate Heat Islands and Reduce Runoff (Town of Natick)
- ❖ Nature-Based Solutions to Reduce Vulnerability to other Climate Change Impacts
 - Water/Sewer Infrastructure Green Emergency Power Study (Town of Holden)



MVP Action Grants: Nature-Based Solutions

To Mitigate Flooding/Storm water, Water Quality, or Heat

- ❖ Drainage Model & Conceptual Strategies to Reduce Future Flooding (City of Medford)
- ❖ Designs with Nature to Reduce Storm Damage (City of Northampton)
- ❖ Retrofit Parking Lot to Reduce Urban Heat Island (City of Cambridge)

Opportunities to Include NBS in Follow-on Project Phases

- ❖ Town-wide Road Stream Crossing Assessment (Town of Belchertown)
- ❖ Assessing Storm-energy Reduction by the Vegetated Salt Marsh Plat form (Town of Newbury)
- ❖ Lawrence Brook Watershed Flood Mitigation & Water Quality Improvement (City of Peabody)

MVP 2018



- ❖ 82 new planning grants, now 43% of the Commonwealth
- ❖ 37 Action Grant projects: marsh resiliency, wastewater and drinking water infrastructure, climate migrants
- ❖ \$7.2 million dollars committed so far
- ❖ Anticipating release of new MVP funding opportunities in November





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<https://www.mass.gov/municipal-vulnerability-preparedness-program>

