



Municipal Vulnerability Preparedness (MVP) Program



Mia Mansfield, Executive Office of Energy and
Environmental Affairs

Thank you to our hosts, and a few welcoming words...



EXECUTIVE ORDER 569 2016



- 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 2018



- \$2.4 billion bond bill with focus on climate change resiliency
- Over \$200 million authorized for climate change adaptation
- **Codifies EO 569, including the MVP Program**

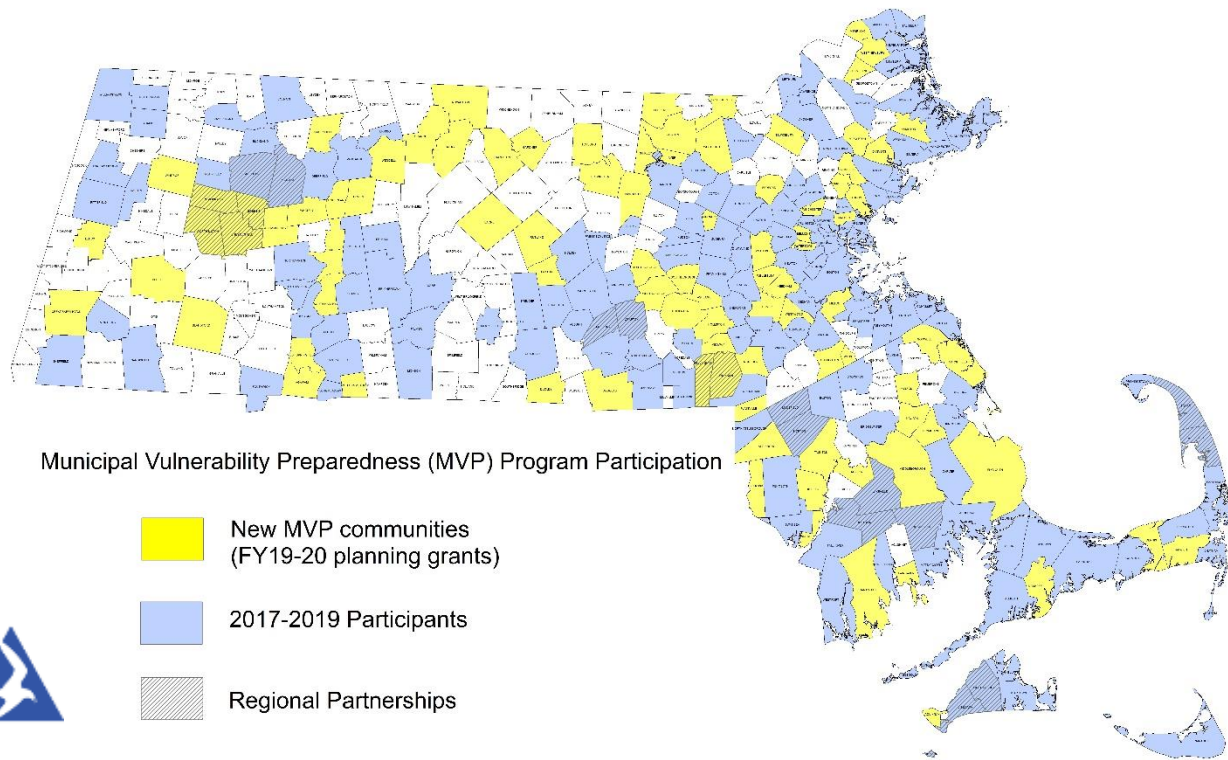
2018 Massachusetts State Hazard Mitigation and Climate Adaptation Plan (SHMCAP)

September 2018

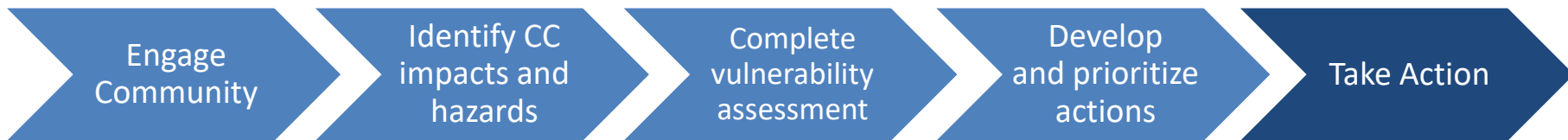


Municipal Vulnerability Preparedness (MVP)

71% of the Commonwealth/
249 communities



State and local partnership to build resiliency to climate change



MVP Principles



- **Community-led process** that employs local knowledge and buy-in
- **Accessible**
- **Utilizes partnerships** and leverages existing efforts
- **Mainstreams** climate change
- Addresses **social equity**, vulnerabilities, and strengths
- **Certified** MVP providers
- **Informs** coordinated statewide efforts.

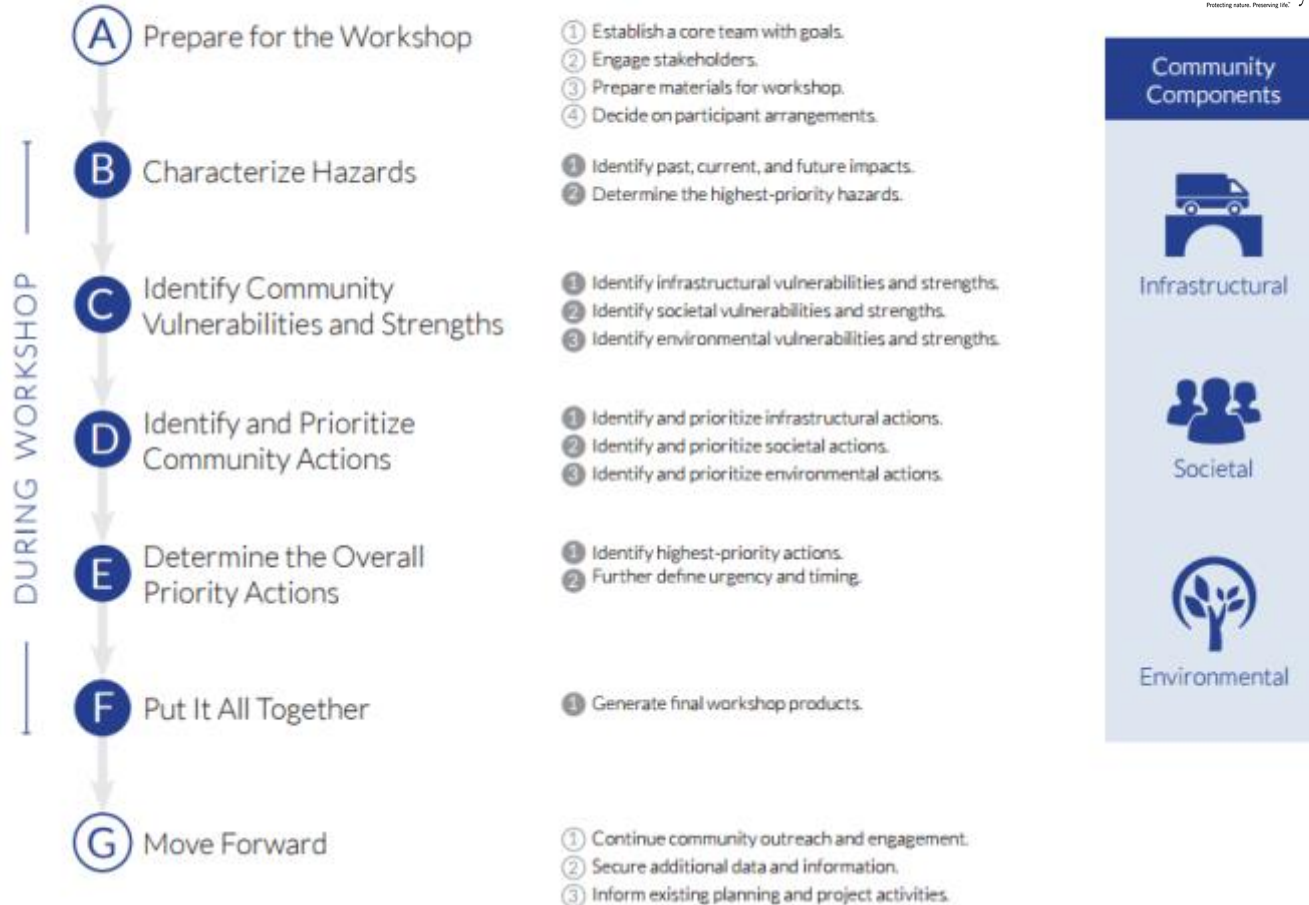


Springfield MVP Workshop

www.communityresiliencebuilding.com



Overview of the Process (Steps & Tasks)



- Must complete 1-2 workshops to cover this process
- Produce final report with clearly prioritized actions



resilient MA

Climate Change Clearinghouse for the Commonwealth

Explore
Sectors

Identify
Changes

Take
Action

Maps

Data

Documents

Search for resources...

QSearch

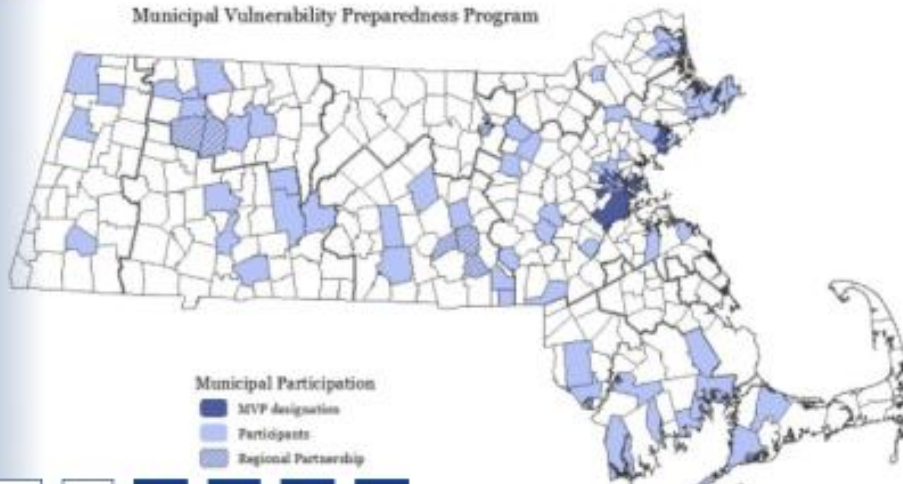
Providing the most up-to-date climate change science and decision-support tools for the Commonwealth. [More »](#)

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



www.resilientma.org

MVP Planning Grant

**\$15,000- \$100,000 per plan,
completed by 6/30/2020**

Some expanded scopes

\$1M available



MVP Action Grant

Open to MVP communities

**\$25,000- \$2M per project, completed
by 6/30/2020**

\$10M available



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

MVP PLANNING Grant

Lead a community-driven planning process to understand climate vulnerabilities and identify priority adaptation actions.

Deliverable: MVP Report based on state template through workshops, community outreach, and public listening session

Be designated as an MVP Community and eligible for Action Grant funding

Submit regular progress reports

Findings inform State Adaptation Plan

120-200 hours of staff match time

- Selecting and contracting vendor
- Help establish a core team
- Help identify and complete outreach to critical stakeholders, partners and town officials for workshops
- Help coordinate, schedule, send invitations and attend meetings and workshops;
- Conduct significant outreach in the community
- Help coordinate staff interviews with key experts
- Help the MVP provider find relevant data
- With MVP Provider complete and send 3 progress reports, with info on spending and a final report
- With provider support as budget allows, complete 1 public listening session
- Continue municipal outreach and engagement, using the completed plan to inform existing planning and project activities

120-240 hours of provider time

- Meet with Municipal Project Manager to set out project scope, timeline, and compile list of data needs; help with stakeholder mapping; set schedule for workshops
- Meet with Community Core team 2-3x to help plan for workshop and collect information
- Conduct several interviews with key municipal staff
- Prepare materials for workshop including:
 - Basemaps of town with critical layers
 - Climate change data relevant to the town and summary of potential impacts
 - Relevant planning documents and other existing town information about current hazards
 - Risk matrix
- Serve as the lead facilitator during workshop and bring 4-5 facilitators to assist as table facilitators. ADEQUATE FACILITATION IS KEY
- Designate town leads to be scribes at each table
- Document all workshop outcomes and prepare final risk matrix and summary reports.
- Work with town to submit all materials to Commonwealth.

MVP ACTION Grant

**Implement priority
adaptation actions
identified through the
planning process**

**Clearly demonstrate
how you're
incorporating climate
change data to
redesign and
reconsider**

**Utilize nature-based
solutions and reach
EJ communities**

MVP Action Grants: Project Types

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



MVP Action Grants: Project Types



- Nature-Based Solutions to Reduce Vulnerability to **other Climate Change Impacts**
- **Ecological Restoration** and Habitat Management to Increase Resiliency

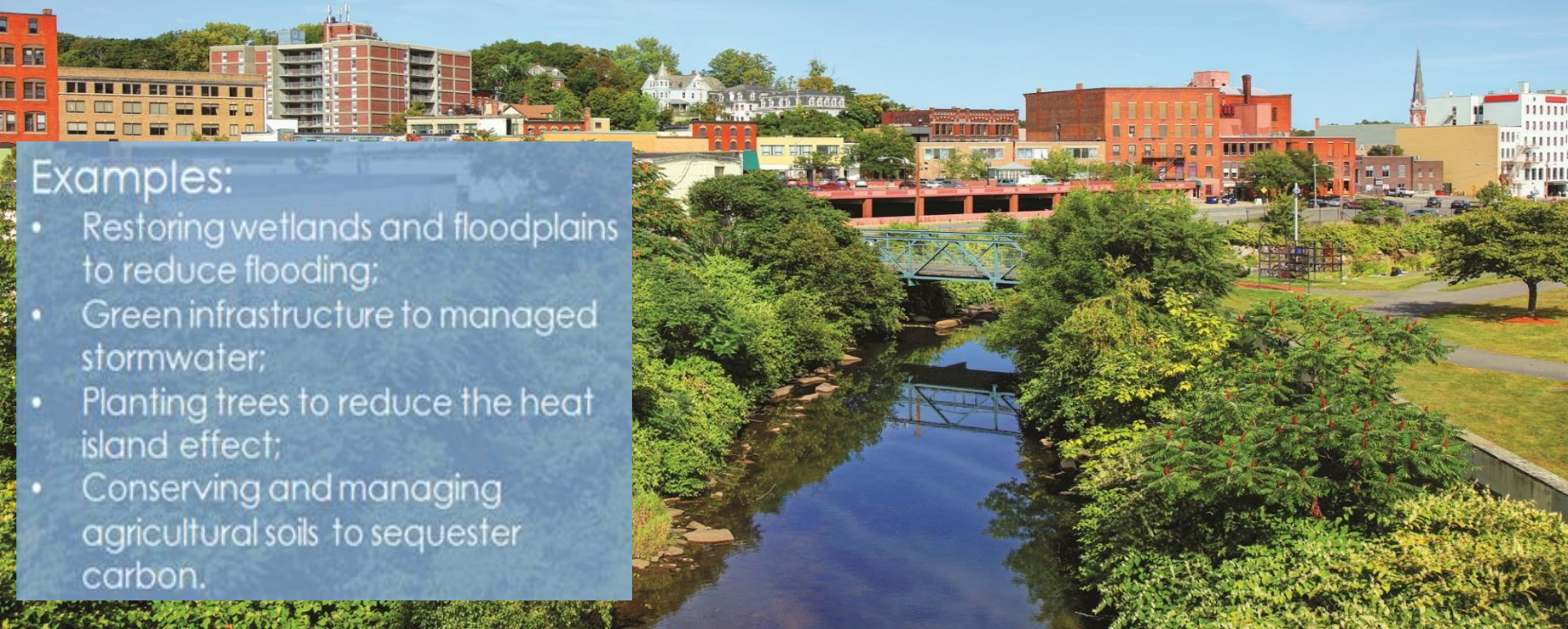
NEW IN 2019

- **Energy Resilience**
- **Chemical Safety**
- **Land Acquisition** for resilience
- Expanded eligibility of project location

Why nature-based solutions?

Examples:

- Restoring wetlands and floodplains to reduce flooding;
- Green infrastructure to managed stormwater;
- Planting trees to reduce the heat island effect;
- Conserving and managing agricultural soils to sequester carbon.



MVP 2019



- \$12M awarded for new planning and action grants
 - 65 planning grants (\$1.7 M)
 - 34 action grants (\$10.3 M)
- FY20 round to be released in late summer



Next Steps



- Strong local partnerships through an expanded MVP network
 - MVP Program Manager and Regional Coordinators
 - MA Coast Flood Risk Model
 - resilientMA Climate Change Clearinghouse
 - **RMAT Launch:** Statewide resilience standards + resilient capital planning





Mia.Mansfield@mass.gov

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

