

# 2018 Massachusetts State Hazard Mitigation and Climate Adaptation Plan



NOAA Fall 2019

# First-of-its-Kind Integrated State Plan



## Eligibility for Federal Disaster Mitigation Funding

As a condition of receiving non-emergency Stafford Act assistance and Federal Emergency Management Agency (FEMA) disaster mitigation grants, states are required to have an approved State Mitigation Plan following the criteria established in 44 CFR §201.4, including requirements to address the projected effects of climate change on hazard risks.



## Compliance with Governor Baker's Executive Order 569

Executive Order 569 directs the Executive Office of Energy and Environmental Affairs (EOEEA) and the Executive Office of Public Safety and Security (EOPSS) to coordinate efforts across the Commonwealth to strengthen the resilience of communities, prepare for the impacts of climate change, and proactively plan for and mitigate damage from extreme weather events, including publishing a climate adaptation plan that outlines a statewide strategy to address these impacts through adaptation and resiliency measures and policies.



# MA SHMCAP Planning Process / Timeline

Planning Process/ Stakeholder Engagement

Risk Assessment

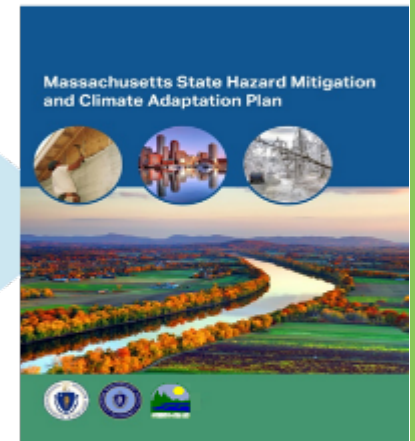
State Agency Vulnerability Assessment

Capability and Adaptive Capacity Analysis

Hazard Mitigation and Climate Adaptation Strategy

Plan Implementation and Maintenance

Compile and Finalize Plan



January 2017

September 2018

# Global Actions

- 17 Cross cutting global actions
  - DCAMM is incorporating hazard and climate change vulnerability into capital planning, master planning, and facilities management functions.
  - Develop design standards using Massachusetts climate change projections that will support best management and construction practices for new and improved agency structures, roads, parkways, parking lots, housing, and other facilities. The intent is to also be used at the local level.
  - DHCD – Housing Standards
  - Incorporate existing climate models during power system planning to assess risk and deploy cost-effective infrastructure to reduce outages, repair, and replacement.
  - Development of the Resilience Massachusetts Action Team (RMAT)

# SHMCAP Implementation

- September 2018 – SHMCAP
- October 2018 – March 2019 conversations and work begin on the implementation of the SHMCAP.
- December 2018 – Climate Hazard Adaptation and Resilience Masterplan (CHARM)
- April 2019 RMAAT begins to form. A PMT of Climate Resilience agency leads is established to procure a vendor to support RMAAT with resiliency actions

# SHMCAP Implementation cont.

- July 2019 – MEMA hires a Hazard Mitigation and Climate Adaptation Coordinator to lead implementation of SHMCAP and co-lead RMAT with EEA
- August 2019 – Governor Baker and Lt. Governor Polito launch RMAT
  - First meeting of Climate Change Coordinators
  - Followed by panels of state, municipal, and business leaders to discuss partnering on climate resilience in the Commonwealth.
- Municipal Vulnerability Program – 157 designated communities with additional 92 currently pursuing designation.
- Bill S.10 - This bill provides a dedicated revenue stream for the Global Warming Solutions Trust Fund, which will be used to expand funding for Commonwealth communities preparing to meet the challenges of climate change. A real estate excise fee.

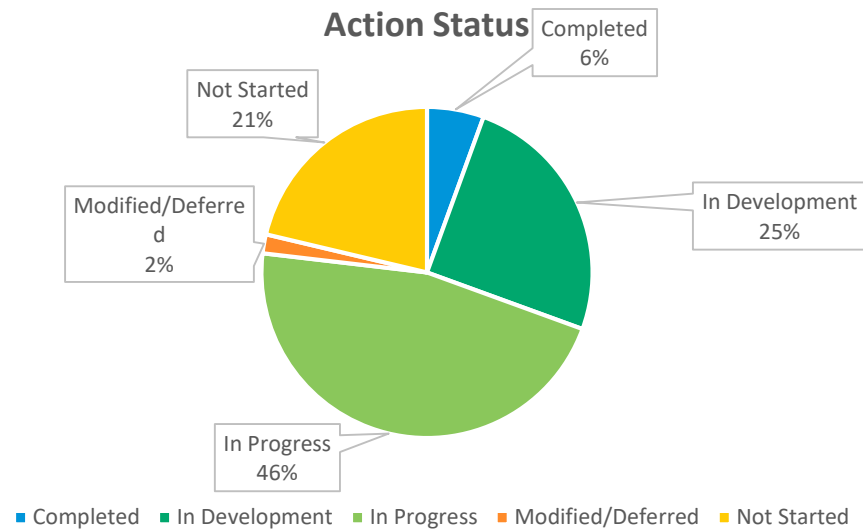
# RMAT Roles & Responsibilities

- Participate in **quarterly meetings**, annual and post-disaster plan reviews, and 5-year updates
- Coordinate **completion of required actions** for each Executive Office
- Ensure **new data** is incorporated into the SHMCAP
- **Increase general understanding** of the SHMCAP through outreach, engagement, socializing the CC Clearinghouse
- **Build collaborative partnerships** to implement the SHMCAP
- Lead the SHMCAP's **5 year update** with MEMA



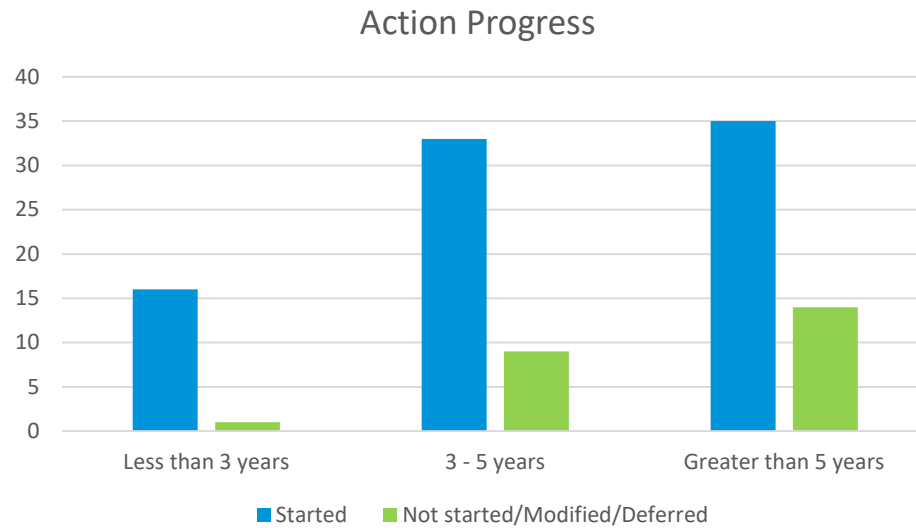
# SHMCAP Action Tracker

- August 2019 Action Tracker updated





# SHMCAP Implementation cont.



# Next Steps

- October 2019 – First full RMAAT Quarterly Meeting
  - Annual Plan Review
  - Work to increase capabilities to solve identified challenges and opportunities