

Climate Change and the Commonwealth

Mia Mansfield Director of Climate Adaptation and Resilience MA Executive Office of Energy and Environmental Affairs

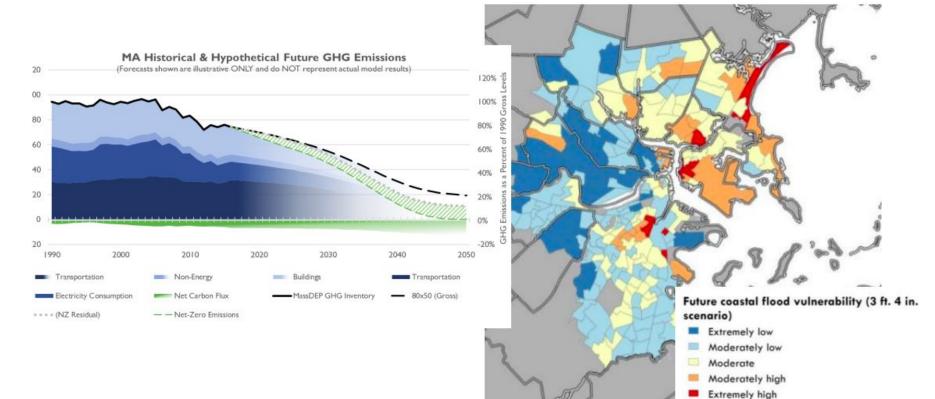


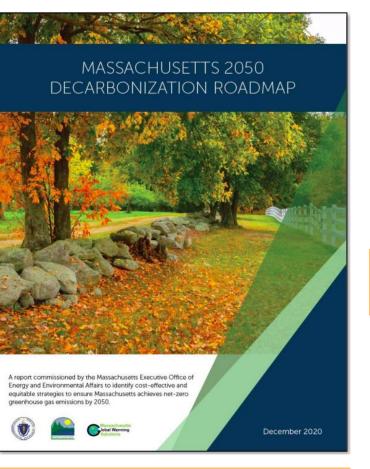


Net Zero by 2050 MA Target Announced in January 2020

Build climate resilience

Executive Order 569, September 2016





Public comment period open through 3/22/21 at mass.gov/2030CECP



Do so affordably



Maintain a thriving economy



Ensure we bring everyone along, especially our most vulnerable residents

Commonwealth has a range of options, but the most cost-effective, low-risk pathways share core elements:



Clean energy + significant offshore wind



Interstate
transmission to
access renewable
generation in other
states & Canada



Electrification of transportation & building heat



Replacing
energy
infrastructure
when it's up for
replacement

Resilient MA Action Team (RMAT)

























Pilot launch spring 2021: Climate Risk Screening and Design Standards for State Agencies



Planning horizons:

Present (2030), Mid-Century (2050), Mid-late Century (2070), End of Century (2100)



Primary climate parameters:

Extreme precipitation, extreme heat, sea level rise/storm surge



Design criteria:

Base flood elevation, cooling degree days, rainfall depth, and more



Recurrence Intervals:

10-year (10%) or 100-year (1%), etc.



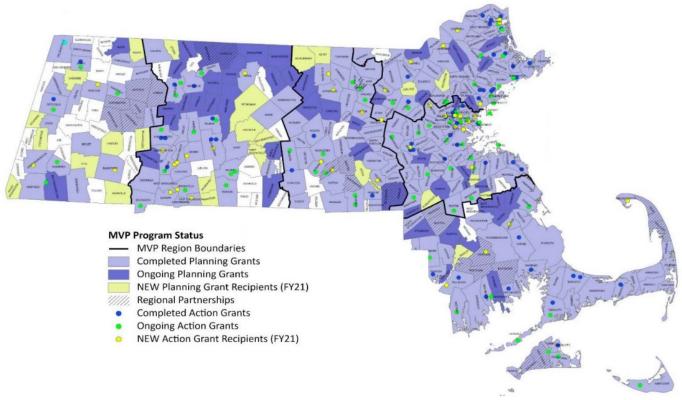


\$44M awarded to date (since 2017)

89% (312 of 351) municipal participation

Funded Municipal Action Grant Projects \$11M annually for:

- Planning, Assessment,
 Capacity Building &
 Regulatory Updates
- Nature based Solutions for Ecological and Public Health
- Resilient Redesigns and Retrofits for Critical Facilities and Infrastructure







Mia.mansfield@mass.gov https://www.mass.gov/mvp

https://www.mass.gov/info-details/resilient-ma-action-teamrmat

