

ATTACHMENT 5

LSPA Climate Change Subcommittee, January 2024

MCP Climate Change Toolkit

Climate Change Technical Resources

1 MA Climate Change Clearinghouse and Resilient MA Action Team

- [MA Climate Change Clearinghouse \(mass.gov\)](https://www.mass.gov)
 - The ResilientMass site is “committed to including only information with scientific merit from credible sources. Where applicable, the ResilientMass site incorporates data and information that Massachusetts has used for statewide and local climate planning.”
Among other things, the site links to:
 - [2023 ResilientMass Plan | Mass.gov](#) (SHMCAP)
 - MVP Program
 - Resource Clearinghouse
 - [ResilientMass Climate Hub \(arcgis.com\)](https://arcgis.com), Interactive Maps and Data Center
 - Climate Resilience Design Standards Tool

2 Massachusetts Office of Technical Assistance and Technology (OTA)

- [Mapping Toxics in Communities and Assessing Climate Vulnerability | Mass.gov](#)
 - Provides maps with various “sensitivity” layers

3 Sustainable Remediation Forum (SURF)(EcoAdapt, BU, MassDEP)

- [Massachusetts Climate Change and Hazardous Waste Site Screening, 2019](#)
 - “Exposure” models for floods, hurricanes, SLR (FEMA, NOAA)
 - Incorporated environmental, demographic and 21E site-specific “Sensitivity” parameters (e.g., Open, Active, AEPMM, IH, CEP, AUL)

4 Interstate Technology & Regulatory Council (ITRC)

- [Sustainable and Resilient Remediation \(SRR\) Team](#)
- [Final Guidance published 4/21](#)
 - Resilience BMPs

5 USEPA

- [Superfund Climate Resilience webpage](#)
 - Vulnerability Assessment
 - Resilience Measures
 - Adaptive Capacity
- [Climate Smart Brownfields Manual](#) 6/21, EPA 560-F-21-002
- [Climate Adaptation Plan](#) 10/21, EPA 231-R-210-01

6 White House

- [Fact Sheet](#) 10/21, Adaptation and Resilience Plans from Across Federal Government

7 MassDOT, WoodsHole, UMassBoston

- [Summary of Pilot Project Report:](#)
 - Climate Change and Extreme Weather Vulnerability Assessments and Adaptation Options for the Central Artery, 2015
 - Probabilistic Hydrodynamic Modeling (ADCIRC, SWAN)
- [Massachusetts Coast Flood Risk Model \(MC-FRM\):](#)
 - Includes every Massachusetts coastal city and town influenced by future coastal storm surge induced flooding during this century

8 First Street Foundation

- [Defining America's Flood Risk](#)
 - Collaboration of 80 of the world's leading hydrologists, researchers and data scientists
 - Property-by-property flood forecast maps for whole country (LISFLOOD-FP, GeoCLAW, ADCIRC-SWAN)

9 US DHS - FEMA

- [National Risk Index](#)
 - Natural hazard risk metrics for 18 natural hazards
 - County and census tract level

10 MA - CZM

- [Massachusetts Sea Level Affecting Marshes Model \(SLAMM\) Viewer](#)
 - Effects of SLR on marshes

11 ASTM

- [Standard Guide for Remedial Action Resiliency to Climate Impacts](#)
 - ASTM E3249 - 21