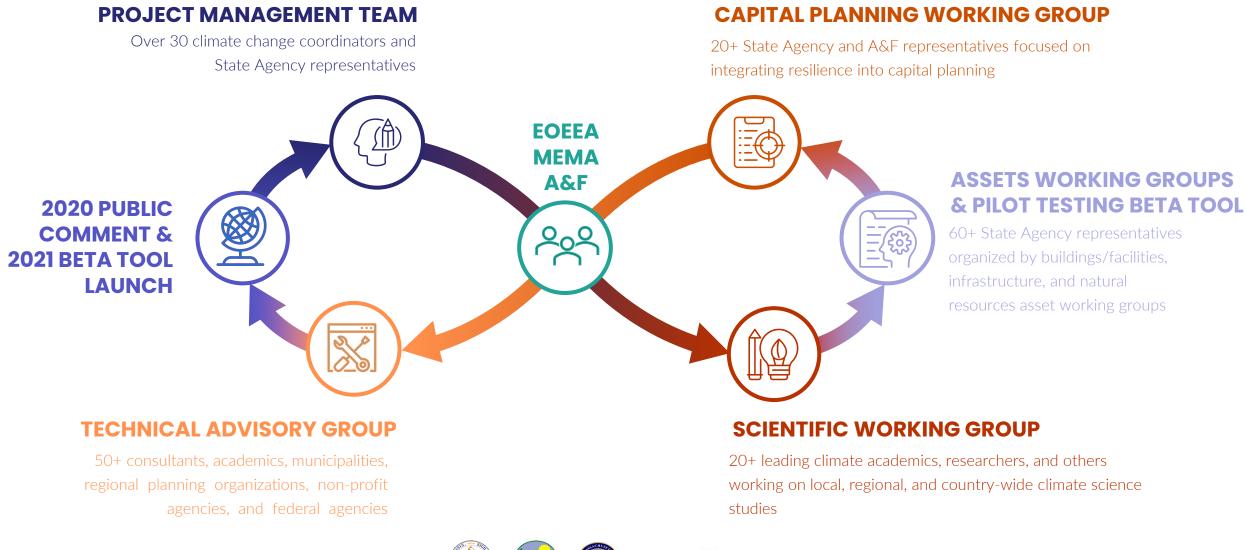
Climate Resilience Design Standards Tool

Versioning History December 2024

Beta Tool – April 2021 Tool Version 1.0 – February 2022 Tool Version 1.1 – April 2022 Tool Version 1.2 – July 2022 Tool Version 1.3 – March 2023



2.5-Year History of Stakeholder Engagement



Weston & Sampson

Snapshot of feedback from Beta Tool

- Over 900 projects initiated!
 - Piloted in FY22 MVP and Massworks grant applications
- 256 people contributed feedback!
 - Public Feedback Survey (mass.gov)
 - 13 Focus Groups
 - FY22 MVP RFR Appendix E
 - Agency feedback

Stakeholder feedback was prioritized into several categories: critical, must have, nice to have, and future work. The FY22/FY23 enhancements represent critical and must have improvements.

How we integrated feedback – User Experience

- Greater guidance on a project's "useful life," ecosystem benefits, and criticality questions – February 2022
- A more user-friendly report, more guidance on how to interpret tool results, and clarifying what happens when a user submits a project – February & April 2022
- Increased support for drawing the project location polygon – April 2022
- More guidance with standards, and integration of MC-FRM and Cornell data into standards recommendations in the tool (values instead of methodologies) – April 2022
- Included maps visualizing Projected Water Surface Elevations for 2030, 2050, and 2070 planning horizons – July 2022



Enhancements from Stakeholder Feedback Organized into Several Updates

February 2022 Updates "Version 1.0"

- Climate exposure updates
- Ecosystem service benefits updates
- Additional stakeholder feedback updates, such as integrating more guidance



- SLR/storm surge standards (Massachusetts Coast Flood Risk Model, MC-FRM)
- Extreme precipitation standards (EEA's Massachusetts Climate and Hydrologic Risk Project)
- Enhancements to extreme heat standards



July 2022 Updates "Version 1.2"

- Minor User Interface Updates
- Addition of Projected Water Surface Elevation Maps to accompany SLR/storm surge standards (Massachusetts Coast Flood Risk Model, MC-FRM)

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December 2024 Updates *"Version 1.4"*

- Addition of Projected Wave Action Water Elevation Maps to accompany SLR/storm surge standards (Massachusetts Coast Flood Risk Model, MC-FRM)
- Updates to temperature design standards
- Bug fixes

4 March 2023 Updates "Version 1.3"

- Update of Environmental Justice layer (now using EEA 2020 EJ Populations data layer)
- Note: no supporting document update for this tool version



