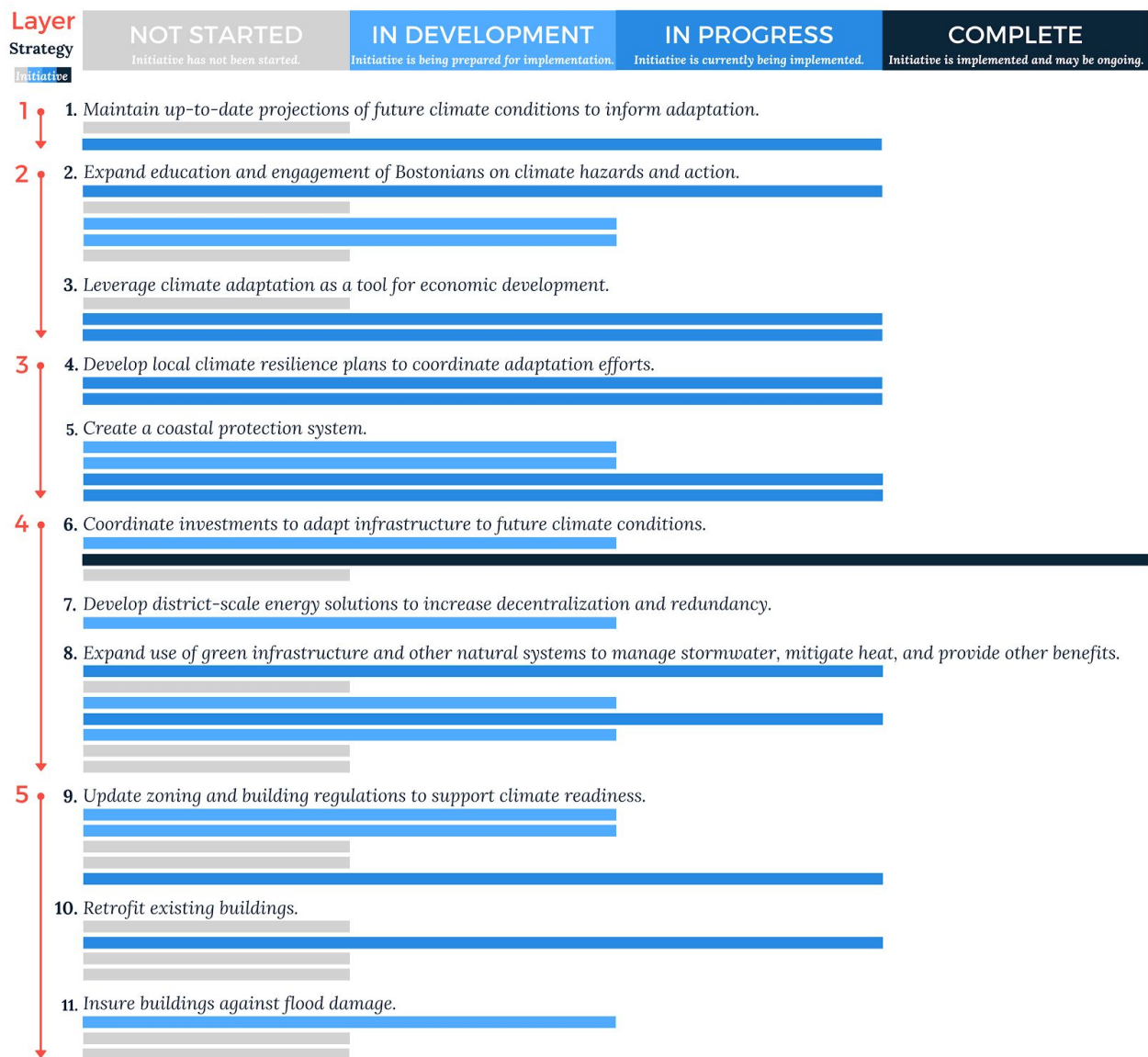


# CLIMATE READY BOSTON PROGRESS

This tool identifies our progress in putting in place the 5 layers, 11 strategies, and 39 initiatives recommended in the Climate Ready Boston Outline of Actions. We'll continue to update this page, which includes a summary graphic and details on progress for each initiative in a table format.

Across the City, we recognize the importance of tracking our progress and being transparent. This tool is the first iteration to improve those efforts in climate resiliency.

## PROGRESS SUMMARY



## PROGRESS DETAILS

### LAYER 1: UPDATED CLIMATE PROJECTIONS

[Strategy 1: Maintain up-to-date projections of future climate conditions to inform adaptation.](#)

INITIATIVE	STATUS	PROGRESS
1.1: Launch the Greater Boston Panel on Climate Change and require periodic updating of Boston-specific climate projections.	NOT STARTED	<a href="#"><u>The Environment Department (Environment)</u></a> anticipates reconvening the Boston Research Advisory Group (BRAG) within 5 years of the release of the first <a href="#"><u>BRAG report</u></a> (i.e., by 2021).
1.2: Create updated local flood maps to support planning, policy, and regulation.	IN PROGRESS	The <a href="#"><u>Boston Planning &amp; Development Agency (BPDA)</u></a> released the <a href="#"><u>updated Climate Change Resiliency and Preparedness Checklist</u></a> with a <a href="#"><u>flood hazard area map tool</u></a> .

### LAYER 2: PREPARED AND CONNECTED COMMUNITIES

[Strategy 2: Expand education and engagement of Bostonians on climate hazards and action.](#)

INITIATIVE	STATUS	PROGRESS
2.1: Expand Citywide Climate Readiness Education and Engagement campaign.	IN PROGRESS	<a href="#"><u>Greenovate</u></a> completed its first pilot of the <a href="#"><u>Climate Ready Boston Leaders Program</u></a> in summer 2017. 70 trained Leaders hosted 35 events that reached over 500 residents. <a href="#"><u>The second cohort will launch in January 2018.</u></a>
2.2: Launch a Climate Ready Buildings Education Program for property owners and users.	NOT STARTED	Helpful resource: <a href="#"><u>A Better City's Building Resilience Toolkit</u></a> .
2.3: Conduct an outreach campaign to facilities that serve vulnerable populations to support preparedness and adaptation.	IN DEVELOPMENT	The <a href="#"><u>Boston Public Health Commission</u></a> is launching an effort to develop Continuity of Operations plans for facilities and community organizations that provide social services after emergencies. (June 2018)
2.4: Update the City's heat emergency action plan.	IN DEVELOPMENT	In 2018, the <a href="#"><u>Environment Department</u></a> , <a href="#"><u>Boston Public Health Commission</u></a> , and <a href="#"><u>Office of Emergency</u></a>

		<a href="#">Management</a> will develop a citywide public health action plan for heat preparedness.
2.5: Expand Boston's Small Business Preparedness Program.	NOT STARTED	Helpful resource: <a href="#">Cambridge preparedness resources for businesses</a> .

[Strategy 3: Leverage climate adaptation as a tool for economic development.](#)

INITIATIVE	STATUS	PROGRESS
3.1: Identify resilience focused workforce development pathways.	NOT STARTED	
3.2: Pursue inclusive hiring and living wages for resilience projects.	IN PROGRESS	The <a href="#">Boston Jobs and Living Wage Ordinance</a> applies to service contracts with the City valued at or above \$25,000 with companies that employ at least 25 full-time employees.
3.3: Prioritize use of minority-and-women-owned businesses for resilience projects.	IN PROGRESS	Mayor Walsh issued a <a href="#">2016 Executive Order</a> to ensure that minority and women entrepreneurs are afforded fair and equitable opportunities when competing for City contracts.

**LAYER 3: PROTECTED SHORES**

[Strategy 4: Develop local climate resilience plans to coordinate adaptation efforts.](#)

INITIATIVE	STATUS	PROGRESS
4.1: Develop local climate resilience plans in vulnerable areas to support district-scale climate adaptation.	IN PROGRESS	<a href="#">Environment</a> released the " <a href="#">Coastal Resilience Solutions for East Boston and Charlestown</a> " report in October 2017 and <a href="#">announced immediate action steps</a> . The next neighborhood plan for <a href="#">South Boston</a> was launched in the fall.  <a href="#">The Parks Department (Parks)</a> and <a href="#">Environment</a> are leading the <a href="#">Moakley Park Vision Plan</a> kicking off this winter.
4.2: Establish local climate resilience committees to serve as long-term community partners for climate adaptation.	IN PROGRESS	<a href="#">Greenovate</a> launched the <a href="#">Climate Ready Boston Leaders Program</a> . <a href="#">Environment</a> is also partnering with <a href="#">Neighborhood of Affordable Housing</a> in East Boston on the <a href="#">ClimateCARE program</a> .

Strategy 5: Create a coastal protection system.

INITIATIVE	STATUS	PROGRESS
5.1: Establish Flood Protection Overlay Districts (FPOD) and require potential integration with flood protection.	IN DEVELOPMENT	The <a href="#">Climate Ready East Boston</a> and <a href="#">Charlestown</a> project report (Fall 2017) will propose what a FPOD could look like for these two areas. This will then be evaluated by <a href="#">BPDA</a> .
5.2: Determine a consistent evaluation framework for flood defense prioritization.	IN DEVELOPMENT	<a href="#">Environment</a> is testing preliminary evaluation criteria through the <a href="#">Climate Ready East Boston</a> and <a href="#">Charlestown</a> project and the harbor-wide flood protection study.
5.3: Prioritize and study the feasibility of district-scale flood protection.	IN PROGRESS	<a href="#">Environment</a> , in collaboration with <a href="#">BPDA</a> and others, " <a href="#">Coastal Resilience Solutions for East Boston and Charlestown</a> " report in October 2017 and <a href="#">announced immediate action steps</a> . The next project is in <a href="#">South Boston</a> .
5.4: Conduct a harbor-wide flood protection system feasibility study.	IN PROGRESS	University of Massachusetts Boston is conducting an initial feasibility assessment on a harbor-wide flood protection system. (March 2018)

**LAYER 4: RESILIENT INFRASTRUCTURE**Strategy 6: Coordinate investments to adapt infrastructure to future climate conditions.

INITIATIVE	STATUS	PROGRESS
6.1: Establish an Infrastructure Coordination Committee (ICC).	IN DEVELOPMENT	<a href="#">Environment</a> is developing a preliminary work plan for the ICC, which will be a continuation of Climate Ready Boston's Infrastructure Advisory Group.
6.2: Continue to collect important asset and hazard data for planning purposes.	COMPLETE (ONGOING)	
6.3: Provide guidance on priority evacuation and service road infrastructure to the ICC.	NOT STARTED	

[Strategy 7: Develop district-scale energy solutions to increase decentralization and redundancy.](#)

INITIATIVE	STATUS	PROGRESS
7.1: Conduct feasibility studies for community energy solutions.	IN DEVELOPMENT	<a href="#">BPDA</a> submitted an application for a Feasibility Study Grant from MassCEC for the Raymond L. Flynn Marine Park. The <i>Smart Utilities Policy</i> for Article 80 is being finalized for approval by the BPDA Board.

[Strategy 8: Expand the use of green infrastructure and other natural systems to manage stormwater, mitigate heat, and provide additional benefits.](#)

INITIATIVE	STATUS	PROGRESS
8.1: Develop a green infrastructure location plan for public land and rights-of-way.	IN PROGRESS	<a href="#">Parks</a> is creating a design and implementation guide for priority sites for green infrastructure. (February 2018) <a href="#">Boston Water and Sewer Commission (BWSC)</a> developed designs and cost estimates for green infrastructure in two Boston tributary areas and expects to complete these for a third tributary area. (March 2018)
8.2: Develop a sustainable operating model for green infrastructure on public land and rights-of-way.	NOT STARTED	
8.3: Evaluate incentives and other tools to support green infrastructure.	IN DEVELOPMENT	<a href="#">BWSC</a> supports green infrastructure through site plan review requirements and is exploring partnerships with external groups on other incentives and tools.
8.4: Develop design guidelines for green infrastructure on private property to support co-benefits.	IN PROGRESS	<a href="#">BWSC</a> is creating a design manual. (2018-2019)
8.5: Develop an action plan to expand Boston's urban tree canopy.	IN DEVELOPMENT	<a href="#">Parks</a> worked with MAPC and UVM to get an updated assessment of the City's tree canopy.
8.6: Prepare outdoor facilities for climate change.	NOT STARTED	

8.7: Conduct a comprehensive wetlands inventory and develop a wetlands protection action plan.	NOT STARTED	
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## LAYER 5: ADAPTED BUILDINGS

### [Strategy 9: Update zoning and building regulations to support climate readiness.](#)

INITIATIVE	STATUS	PROGRESS
9.1: Establish a planning flood elevation to support zoning regulations in the future floodplain.	IN DEVELOPMENT	<a href="#">BPDA</a> established a planning flood elevation of 40 inches for evaluating new projects in the <a href="#">updated Climate Change Resiliency and Preparedness Checklist</a> .
9.2: Revise zoning code to support climate ready buildings.	IN DEVELOPMENT	The scope of work for the upcoming South Boston Waterfront project refers explicitly to developing zoning code recommendations for that area.
9.3: Promote climate readiness for projects in the development pipeline.	NOT STARTED	
9.4: Pursue state building code amendments to promote climate readiness.	NOT STARTED	
9.5: Incorporate future climate conditions into area plans.	IN PROGRESS	The final drafts for <a href="#">BPDA's Dot Ave</a> and <a href="#">JP/Rox</a> plans include recommendations for preparedness and resiliency, and climate is a primary goal for the new <a href="#">Glover's Corner</a> plan. Climate Ready Boston is a core pillar of <a href="#">Imagine Boston 2030</a> , <a href="#">Resilient Boston</a> , and <a href="#">Go Boston 2030</a> .

### [Strategy 10: Retrofit existing buildings.](#)

INITIATIVE	STATUS	PROGRESS
10.1: Establish a Resilience Audit Program for property owners.	NOT STARTED	

10.2: Prepare municipal facilities for climate change.	IN PROGRESS	The City's insurance company, FM Global, is assessing the flood vulnerability of some high-risk municipal buildings.
10.3: Expand back-up power at private buildings that serve vulnerable populations.	NOT STARTED	Completed in 2016, the <a href="#">Boston Community Energy Study</a> identifies districts that are suitable for community solar projects.
10.4: Develop toolkit of building retrofit financing strategies.	NOT STARTED	

[Strategy 11: Insure buildings against flood damage.](#)

INITIATIVE	STATUS	PROGRESS
11.1: Evaluate the current flood insurance landscape in Boston.	IN DEVELOPMENT	Evaluation to be conducted as part of the City of Boston's Community Assistance Visit with FEMA.
11.2: Join the NFIP Community Rating System.	NOT STARTED	
11.3: Advocate for reform in the National Flood Insurance Program.	NOT STARTED	