PREPARE				New or Existing	Status	Implementer	Metrics and Milestones					
1. Planning a	nd infrastructure											
Strategy 1.1	Integrate preparedness into all aspects of city planning, review, and regulation	Action	Action Description									
1.11	Under the CAP Update, the integration of climate preparedness into planning and review begun in 2007 will be continued, strengthened, and expanded, with a goal of	Priority and coordination	Raise the priority of climate preparedness as a key component of all City planning and ensure City-wide coordination.	Existing	In progress	COB, ENV, BRA						
1.12	ensuring that every opportunity to improve Boston's preparedness for climate change is exploited. All multi-year planning documents that address the natural and built environment or services or operations sensitive to changes in the environment (for example, emergency response) will include analyses of and preparations for the effects of climate	Long-term perspective	Start planning for the effects of climate change by the end of the century.	Existing	In progress	COB, ENV, BRA	Issuance of guidelines on climate-preparedness planning horizons					
1.13	change, permitting and other review processes for long-term development and other activities will include similar requirements both in terms of formal regulation and guidance and scruliny by staff and commissions. The City will coordinat these activities—for example, making sure that all offices are appropriately trained and that high-evel management is in place to establish cross-departmental consistency. Key to be proported to the priority will be the establishment of a long-term perspective. For this, the City will develop guidelines for any properties of the consistency of	. Project and	Continue to integrate climate preparedness into zoning, all project and permit review and licensing and into the regulations and guidelines that govern these processes.	Existing	In progress	COB, ENV, BRA						
	Coordinate preparedness efforts regionally and with state and federal governments			Laburg	in progress							
Strategy 1.2	federal governments	Action	Action Description									
1.21	The City of Boston lacks authority to address many climate preparedness concerns because i) important natural features and built infrasticutive extend beyond Boston's boundaries (for example, the Charles River, MBT's authway lines) or ii) legal authority is specifically reserved for another level or building code and regulation of energy utilities). Although informal staff contacts and seen-informal staff building code and regulation of energy utilities). Although informal staff contacts and seen-informal staff building code and regulation of energy utilities).		Work with other cities and with state and other officials to create a mechanism for alignment and acceleration of regional preparedness planning, development of regulatory requirements, infrastructure investment, and other programs and policies.	New	In progress	COB, ENV, MA, FED	Formation of a formal regional preparedness coordination mechanism					
1.22	contacts and semi-formal stakeholder groups finvolving the City, neighboring municipalities, regional authorities, Commonwealth offices, and others have done much, the risin priority of and increasing activity around climate preparedness requires a stronger and more formal studies, of some cases the City already has a formal role—for example, with three Authority,) The City will lead efforts to create such a structure. This work must go beyond planning documents and	Regional	Work with the Commonwealth and regional authorities to assess and address the preparedness of vital infrastructure over which the City has no jurisdiction.	Existing	In progress	COB, ENV, MA, FED	Measures of infrastructure vulnerabilities, to be determined					
1.23	Into work must go beyond planning documents and regulations to include active partnerships to identify and regulations to include active partnerships to identify and coordination will encompass private property owners and businesses(see strategy 2.4) and the higher education community, which has interests in protecting its long-term physical presence in Boston and in generating, testing, and applying knowledge.	Research partnerships	Develop a partnership with research universities to develop, analyze, test, and implement new climate-preparedness strategies.			COB, ENV	Formation of a higher- education partnership on climate preparedness					
Stratory 1 3	Lead by example	Action	Action Description	New	Not started							
Stratugy 1.3	Lead by example	ACTION	Action Description									
1.31	The primary reason for the City of Boston to continue increasing the climate preparedness of its own facilities, operations, and services is to ensure that City agencies can serve residents, workers, and visitors in all circumstances. For this purpose, the City will use the priorities identified in the October 2013 report Climate Ready Boston: Municipal Vulnerability to Climate Change as an important factor in its	Municipal vulnerabilities	Address municipal vulnerabilities identified in 2013 assessment, and report on progress annually.	New	In progres	COB, ENV	High-priority facility-specific vulnerabilities reduced					
	Vulnerability to Climate Change as an important factor in its capital tudget decisions. High-printy facilities included City capital tudget decisions. High-printy facilities included City elemeters of the control of	Education and innovation	Use City-owned facilities and land to provide climate-preparedness examples and pilot innovative solutions.			COB, ENV						
2. Community	/ Engagement			New	In progres							
	Use climate preparedness to spur economic development and create jobs.	4.0	Auto Decides									
orrategy 2.1	create jobs.	Action	Action Description									
2.11	It is a principle of climate action in Boston that implementation of the plan 'should not exacerbate existing social and economic inequalities and should, whenever possible, contribute to reducing those inequalities. '[add footnote, Sparking] Boston's energy programs have already had success in fostering local business creation and job growth while reducing energy use and greenhouse gas emissions.	Community	Work with community leaders, community development agencies, and others to create neighborhood-based programs that increase climate preparedness while supporting job training and job creation.	New	Not started	COB, ENV, DND, ONS						
2.12	white reducing energy the and speechouse gas emissions. The City will ensure that its preparentess programs have a similar minduliness to the potential for combining climate and economic goals. Just as with energy efficiency, climate entering the combiness of t	investment	Invest in smaller-scale realitancy interventions and pilots in particularly vulnerable areas.	Existing	In progress	ENV, DND, BRA						
Olasta 0 0	Target assistance to low-income residents, small businesses, and other vulnerable populations and entities.	Action	Action Description		,g							
2.21	Although all segments of the Boston community face increasing risks from climate change, some segments are more vulnerable because they are more susceptible (for example, they are alleady in por health) and because they are	Collaboration	Action Description Add climate preparedness elements to public health programs already aimed at vulnerable populations and low-income households.	Existing	In progress	ENV, BPHC						
2.22	will increase its efforts to inform particularly these groups about climate preparedness and to identify resources that could assist these groups in taking action. Small businesses also, in general, are more vulnerable to the increasing risks from climate change than large ones, and the City will reach	Potential resources	Explore opportunities to provide financial and technical assistance to vulnerable populations and low-income households in reducing current vulnerabilities.	New	Not started	ENV, DND						
2.23	out to them. In both cases, the City will try to build on existing programs that already serve these groups—through, for example, the Public Health Commission and the Department of Neighborhood Services. A final group that will require specific attention is workers, especially those who work outside and could suffer in extreme weather. The City will brin.	business programs	Work with Main Street programs and other stakeholders to assist small businesses in increasing preparedness and developing business continuity plans.	New	Not started	ENV, DND, ONS						
2.24	oussice and could sumer in extreme weather: The Light will brin together stakeholders to explore formal and informal means of ensuring worker safety as the climate changes. Provide Information that enables communities to take action and Influence programs and policies.	Worker protection	Work with unions, businesses, the Commonwealth, and other stakeholders to protect workers in extreme weather.	New	Not started	COB, Unions						
Strategy 2.3	and influence programs and policies.	Action	Action Description									

2.31	Climate change projections from scientists are generally state as ranges (for example, between eight inches and six feet of average global sea-level rise by 2100) associated with corresponding probabilities of certainly. This indefiniteness is often troublesome to both planners and members of the programment of the control of the property of the pr	Planning levels	Ensure that all municipal offices and the community have up-to-date climate change projections and planning levels (scenarios) in sufficient detail to support neighborhood-level planning and design.			COB, ENV	Establishment of defined climate scenarios for					
	community. To establish a consistent basis for action by government offices and individuals and organizations in the community, the City of Boston will establish a set of climate scenarios (amounts of change at a given time) to be used for			Existing	In progress		planning purposes					
2.32	planning and other official actions. These scenarios, however, only outline the risks that the city faces. The City will also develop a set of indicators that provide some objective measure of how well Boston is prepared to face those risks,	Preparedness indicators	measures of the preparedness of the Boston community, set goals in terms of these indicators, and report on them annually.			ENV	Annual report on climate					
	and establish preparedness goals based, at least in part, on those indicators. Both sets of information - scenarios and indicators - will be important tools for informing the community			New	In progress		indicators					
2.33	about climate vulnerability, establishing bases for community	Two-way engagement	Expand public outreach to neighborhood groups to inform and motivate all sectors of the community around preparedness, and better understand neighborhood needs and priorities.			ENV, DND, BPHC, ONS						
	Support property and building owners in taking preparedness action.			New	In progress							
Goal 2.4	action.	Action	Action Description Work with property owners, neighborhood groups,									
2.41	Property owners, businesses, and institutions have an essential role in climate preparedness, because they must take responsibility for protecting their own material interests.	Information	and other stakeholders to establish building preparedness priorities, best practices, guidelines	New	In progress	ENV	Adaptation guides for property owners.					
2.42	Especially in the next couple of decades when climate changes are relatively small (compared to what is likely by the end of the century, changes to individual buildings and	Awareness	Ensure that all property owners and tenants are specifically aware of their climate-change vulnerabilities.	New	Not started	ENV	Property and business owners' awareness of climate vulnerability					
2.43	businesses practices can improve preparedness significantly. The City will work with diverse stakeholders to provide practical information, raise awareness, and explore resources, especially for smaller property owners and businesses.	Additional resources	Explore mechanisms to provide property owners financial and technical support for increasing climate preparedness.	New	Not started	ENV						
2.44	Because the insurance and financial sectors often have considerable influence in, and can provide financial incentives for, establishing better practices, especially for existing buildings. This area will receive perificular attentions. Another properties with toxic or hazardous materials. Although it is the responsibility of the owners to ensure the security of these.	Insurance	Work with the Commonwealth, the insurance and finance sectors, and property owners to identify modifications to building codes in accordance with,									
2.44				Existing	In progress	COB, ENV, MA, Insurance and Finance						
2.45	materials, the City—in an extension of the scrutiny it already gives such properties through its public safety offices—will re-examine their vulnerability in light of climate change.	Hazardous materials	Determine the vulnerability of sites with inventoried toxic/hazardous materials and other sites that may create greater vulnerability to the community and ways to increase their preparedness.	New	Not started	ENV, MA	Climate-vulnerability assessment of hazardous- material sites					
3. Trees and	Open Space											
Strategy 3.1	Expand green infrastructure and ecceystem-based approaches to address climate vulnerabilities.	Action	Action Description									
3.11	Green infrastructure—parks, trees and other plants, and also watercourses, beaches, and other open space—is a valuable	GI requirements	Explore legislative and regulatory means of expanding requirements for green infrastructure and coastal protection.	New	Not started		Formal green-infrastructure requirements or protections.					
3.12	tool in climate preparedness, particularly for mitigating heat and stormwater, as well as for all the other benefits it brings. The City already enforces legal requirements for green infrastructure, for example, protection of wetlands under the Commonwealth's Wetlands Protection Act and of street trees	Tree canopy	Develop and implement a clear plan for significantly increasing tree-canopy cover	Existing	In progress	ENV, Parks	Milestone: Long-range tree plan. Metric: Canopy cover percentage					
3.13	under a municipal ordinance [need to verify ordinance]. It also has regulations or guidelines that strongly encourage and facilitate green infrastructure (Complete Street guidelines, stormwater management requirements under Water and					ENV	Milestone: Establishment of stormwater fee. Metric: Proportion of impermeable surface. (or					
	Sewer Commission regulations, the urban agriculture article in the Boston zoning code) as well active programs, for example to foster tree-planting and the establishment of commercially	, fee	Institute a community-wide stormwater fee.	New	In progress		permeable surface, to be positive) Milestone: Neighborhood					
3.14	viable urban farms. The strategies under this action are aiméd at strengthening formal requirements and accelerating programs that support expansion. Of particular importance will be determining the appropriate ways of incorporating projecte sea-level rise into legislation or regulation to both allow	Neighborhood	Create and implement a pavement-to-parks/water absorption plan for neighborhoods.			ENV, Parks	plans for green stormwater management Metric: Proportion of impermeable surface. (or permeable surface, to be					
3.15	development where appropriate and protect and expand coastal resources.	Urban	Expand urban agriculture and study the resilience	New	Not started	ENIV DDA	positive)					
	 	agriculture	of our regional food system.	New	In progress	ENV, BRA	Acreage of urban agriculture.					
4. Buildings	Expand energy efficiency, and solar and other types of											
Strategy 4.1	Expand energy efficiency, and solar and other types of distributed energy as a reallience measure.	Action	Action Description									
4.11	The expansion of energy efficiency, renewable energy, and district energy are key components of the climate action plan's strategies to reduce greenhouse gas emissions. They also contribute to climate preparedness because they make the City in general and the facilities with these installations in particular less reliant on the regional energy network, which itself will confront greater stresses with climate change(for	Freedom from the grid	Expand district energy, combined heat and power, and other types of distributed energy and storage, particularly in districts with critical facilities.	New	In progress	COB, ENV, BRA	Capacity of renewable energy and district energy installations.					
4.12	example, greater demands for electricity during heat waves, greater physical stresses from more intense storms). This strategy and its actions call for increased recognition of the preparedness benefit in the City's and utilities' existing energy programs, both as a matter of education and as a quantifiable benefit to be included in calculating the value of any specific	Outreach	Include climate preparedness as a consideration in Renew Boston's energy programs and its outreach activities.	-		ENV						
	project.			New	Not started							