

DRAFT CLIMATE ACTION MATRIX – FOR DISCUSSION & NOTETAKING PURPOSES ONLY

Newton's Climate Action Plan will be structured with the following components. We are seeking your input on all of the following.

PRIORITY AREAS: These are the overarching themes for action that have risen to the top through research, engagement, and communication with City staff and leadership.

- **Energy Efficiency & Net Zero Buildings**
- **Clean Energy Supply**
- **Zero Emission Mobility**
- **Zero Waste**
- **Municipal Climate Leadership**

OBJECTIVES: These are strategic objectives that support progress and impact priority areas.

ACTIONS: These are specific points of municipal leverage that support the implementation of each objective.

FACTORS: Measures of costs and benefits that will assist with prioritization of actions.

- **Feasibility:** Has it been done successfully elsewhere?
- **Impact:** What sector(s) will the action impact?
- **Cost to Implement:** How many resources are needed to support the action?
- **Implementer:** Who is the appropriate actor for implementation?
- **Other Impacts or Benefits:** Who is impacted and how?

DRAFT CLIMATE OBJECTIVES & ACTIONS

The following is a preliminary list of potential **OBJECTIVES** and **ACTIONS** for inclusion in Newton's Climate Action. Please take any notes on priorities or concerns you have related to this list during discussion and return to MAPC for consideration during the plan development.

Priority Area	Objective Preliminary list of potential objectives	Action Preliminary list of potential actions	Notes
Energy Efficiency & Net Zero Buildings	Advance energy efficiency and weatherization in existing homes and businesses	Adopt a commercial property assessed clean energy (C-PACE) ordinance to support local financing of clean energy projects	
		Partner with the energy efficiency program administrators to implement an energy efficiency outreach program	
	Electrification of heating & cooling in residential and commercial buildings	Implement a solarize plus or Heat Smart program for residents to encourage adoption of air source heat pumps	
	Require high performance or net zero new construction for residential and commercial buildings	Adopt a building energy use disclosure ordinance for commercial and industrial buildings of 20,000 square feet or greater	
		Require that all new construction to meet LEED performance standards	
	Adopt zoning measures to incentivize high performance or net zero new construction	Review the draft Zoning Ordinance for opportunities to align the City's zoning with climate priorities and objectives	
		Evaluate opportunities to establish a net-zero building overlay district or an eco-roof overlay	
		Expedite permitting for net zero construction, support with engineering staff to review proposals	
		Allow for renewables within setbacks (including air-source heat pumps)	
	Clean Energy Supply	Increase access renewable energy supply	Carry out an outreach campaign to encourage residents to opt-up to 100% through Newton Power Choice
Expand existing community shared solar programs and support new ones			
Pursue innovative energy delivery systems (i.e. micro-grids, district energy)		Perform a heat map analysis of potential locations in the City that are viable for district heating and cooling	
Coordinate with utilities on repairing large gas leaks		Request data from National Grid on the location of all leak prone gas infrastructure in the City	
		Implement a shared cost savings program for coordinated repaving of streets (similar to Worcester Cooperative Patching Program)	

Zero Emission Mobility	Increase the availability of electric vehicle charging stations	Create a strategic plan for increasing community-wide infrastructure for electric vehicles	
		Explore opportunities for public private partnerships to support installation of electric vehicle charging stations in key locations	
	Incentivize residents to switch to electric vehicles	Host an electric vehicle ride and drive	
		Explore partnerships with dealers to provide local discounts on electric vehicles for residents and businesses	
	Improve infrastructure to support zero-emissions transportation like biking and walking	Create parking benefits district to raise funding for bike and pedestrian investments	
		Support expansion of the Landline Trail & Greenway Network	
		Encourage Safe Routes to School and MassRides programming	
	Increase access and connections to public transit	Incorporate elements of bus rapid transit in local bus service	
		Advocate for community transit needs during the MBTA Bus and Commuter Rail planning process that are underway and upcoming	
		Evaluate options to implement a municipally operated shuttle to support first and last mile connections for commuters	
Zero Waste	Reduce waste produced by residential and commercial sectors		
	Build public awareness of low impact consumer choices to reduce, reuse, and recycle		
Municipal Climate Leadership	Commit to a prescriptive net zero requirement for all municipal buildings	Perform deep energy retrofits for existing municipal buildings	
		Install solar PV on all properties identified as viable in the municipal solar assessment	
	Convert fleet vehicles to all electric options as cost-effective options emerge on the vehicle market	Assess the suitability of all City fleet vehicles for replacement with full electric vehicles, consolidation, and idle reduction technology	
		Create a vehicle replacement plan for all cost-effective candidates identified in the fleet assessment	
		Implement idle reduction technology in eligible vehicles to reduce wasteful use of fossil fuels	

	Implement a robust public education program to engage residents and businesses on key areas of behavior change		
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Notes on other Actions for consideration: