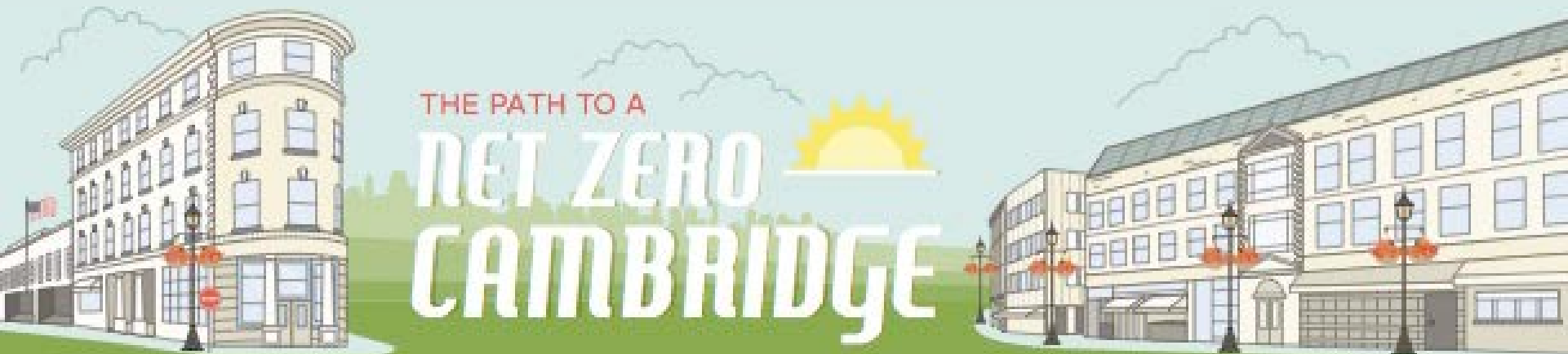


# City of Cambridge

## Getting to Net Zero Action Plan 5-Year Review

NZAP Action Status Summary as of December, 2020



# NZAP Actions




Categories of actions:





- Action 1 – Energy Efficiency in Buildings
- Action 2 – Net Zero New Construction
- Action 3 – Energy Supply
- Action 4 – Low Carbon Fund
- Action 5 – Engagement and Capacity Building

# Status of NZAP Actions

## Action 1 – Energy Efficiency in Buildings





Legend:

-  - In progress
-  - Behind Schedule
-  - Parked

Action No.	Action	Description	Stage	Impact	Status as of 2020
1.1.1	Custom Retrofit Program	Multi-Family Energy Pilot in implementation. Custom Retrofit Program for BEUDO* buildings in implementation	Implementation	Medium	
1.1.2	Additional BEUDO Requirements	Amendment proposal is ready to move forward but behind original schedule	Regulatory	High	
1.1.3	Upgrades at Time of Renovation or Sale	Time of Renovation or Sale requirement feasibility assessment completed through Zero Cities project	Feasibility	High	
1.1.4	O&M Plan Requirement	BEUDO process included the creation of O&M plan template	N/A	Low	




# Status of NZAP Actions

## Action 2 – Net Zero New Construction

Action No.	Action	Description	Stage	Impact	Status as of 2020
2.1	Net Zero New Construction	Technical and economic feasibility study for net zero small residential buildings (1-3 units) completed	Feasibility	Low	
2.2.1	Market Based Incentive Program	Completed feasibility study of market incentives for new buildings	N/A	Low	
2.2.2	Height and FAR Bonus	Determined not to be desirable as standalone policy given upcoming requirements	N/A	Low	
2.3	Article 22 Green Building Requirements	Previously delayed requirements have been adopted	Implementation	Medium	




# Status of NZAP Actions

## Action 2 – Net Zero New Construction (cont.)

Action No.	Action	Description	Stage	Impact	Status as of 2020
2.4.1	Net Zero Requirement for New Const. of Municipal Buildings	New municipal buildings being designed to achieve net zero emissions	Implementation	Low	
2.4.2	Renewal of Municipal Building	Continued implementation of Municipal Facilities Improvement Plan	Implementation	Low	
2.5	Removal of Barriers to Increased Insulation	Previously delayed requirements have been adopted	Regulatory	Low	


# Status of NZAP Actions

## Action 3 – Energy Supply

Action No.	Action	Description	Stage	Impact	Status as of 2020
3.1	Low Carbon Energy Supply	Implementation of multiple study recommendations in progress	Implementation	High	
3.2	Rooftop Solar Ready Requirements	Solar installation requirement technical analysis completed	Feasibility	Medium	
3.3	Develop a Memorandum of Understanding with Local Utilities	Pursue project-specific collaboration in place of overarching MOU	N/A	Supporting Action	




# Status of NZAP Actions

## Action 4 – Low Carbon Fund

Action No.	Action	Description	Stage	Impact	Status as of 2020
4	Investigate Local Carbon Fund	Virtual pilot complete but behind implementation schedule	Design	High	

# Status of NZAP Actions

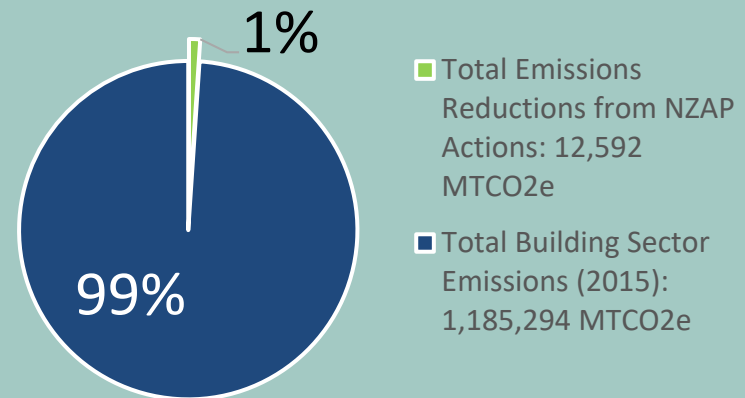
## Action 5 – Engagement and Capacity Building

Action No.	Action	Description	Stage	Impact	Status as of 2020
5.1	Communications Strategy	Implementation of multi-faceted communication strategy ongoing	Implementation	Supporting Action	
5.2	Develop Ongoing Capacity to Manage Getting to Net Zero Project	Program Wide Review delayed due to COVID-19	Implementation	Supporting Action	
5.3	Net Zero Labs Standards	In progress through Compact for a Sustainable Future workplan	Design	Medium	



# Measurable Results To-date

- **1,450 units** in the Custom Retrofit Program (Action 1.1.1)
- **54 projects** completed under Article 22, Green Building Requirements representing over **8 million SF** (Action 2.3)
- **78 projects** completed as part of the Renewal of Municipal Buildings Action **saving 4 million kWh** of electricity (Action 2.4.2)
- **445 Rooftop PV systems** installed under the Cambridge Solar programs, **~5 MW of capacity**
- **12,592 MTCO<sub>2</sub>e** estimated emissions reduced from these actions or **~1% of all building sector emissions**



# Thank You!

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