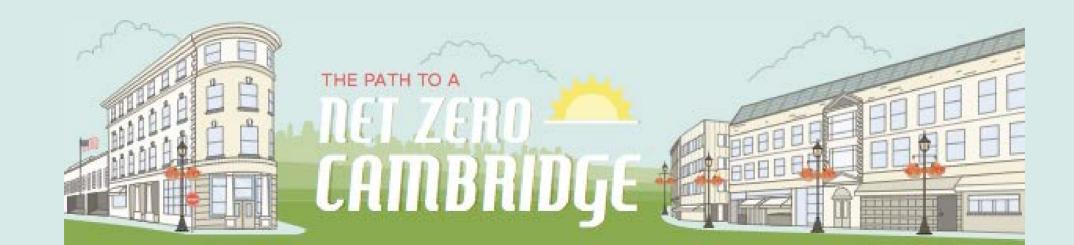
City of Cambridge Getting to Net Zero Action Plan 5-Year Review

Meeting 5: NZAP Implementation

May 27, 2021



NZAP Meeting Timeline

January	February	March	April	May	
Mtg.		WG	Mtg.	Mtg.	

- NZTF Mtg. 3 Jan 21, 2021
 - NZAP Action Adjustment Frameworks
- Working Group Mtgs <u>March</u>, 2021
 - Adjustment Proposals by Action Category
- Reconvene NZTF <u>April 15, 2021</u> (Mtg. 4)
 - Review Working Group Adjustment Proposals
- NZTF Mtg. 5 May 27
 - Discuss Implementation Plan

Meeting Objectives

 Review the feedback and prioritization of the adjusted NZAP actions

Consider implementation steps for the prioritized actions and means of ensuring success

Meeting Agenda

4:00 - 4:10 Introduction

4:00 - 5:00 Part 1: Review feedback & prioritization results

- > Highlight general trend & significant comments
- > Explore the prioritization of each action according to key metrics
- > Discuss needs for equity for those actions flagged as needing improvement
- > Q&A

5:00 – 5:45 Part 2: Discuss what Implementation looks like

- >Review timeline / NZAP Gantt chart
- >Discuss granular & overall drivers of implementation
- >Discussion of Implementation by Action

5:45 – 5:50 Part 3: Review anticipated next steps for NZAP review

5:50 - 6:00 Part 4: Public comment

Frames of Reference for NZAP Adjustments

- 1. Original NZAP Principles
- 2. Current **Science**, **Policy**, **Technology and Equity** conditions
- 3. Overall **potential impacts and co-benefits** to the community



Net Zero Action Plan Principles:

- Supports climate goals and healthy economic strategies
- Uses science, market, and data-driven analysis to inform decision making
- Support an openness to new ideas when circumstances change
- Commitment to allowing the principle of offsets
- Commitment to **measuring and monitoring** impact over time
- Ensures consultation is comprehensive and engages affected stakeholders
- Commitment to developing informative and replicable models
- **NEW**: Commitment to implementing the Net Zero Action Plan through a **racial equity and social justice lens**



Equity Implications of Net Zero Action Plan Adjustments

The Net Zero Task Force has developed a list of adjustments to Cambridge's Net Zero Action Plan—ranging from building retrofits to renewable energy development to a community energy program.

The equity considerations of the NZAP adjustments fall into two primary buckets:

- 1. Equitable Adjustment Design—how can the adjustment be designed to enhance equity?
- **2. Equitable Adjustment Implementation**—how can the adjustment be *implemented* to enhance equity?



Equity Implications of Net Zero Action Plan Adjustments

1. Equitable Adjustment Design—

- Broader and deeper engagement, access, participation and feedback
- Community knowledge building
- Avoid burdens for the most vulnerable
- Target benefits to the most vulnerable
- Equity/diversity guidelines
- Sometimes, equity impacts are conditional and indirect



Equity Implications of Net Zero Action Plan Adjustments

2. Equitable Adjustment Implementation—

- Track as many adjustment metrics as possible (i.e. housing and energy costs, program participation, improvements made, retrofits undertaken, payouts, renewable energy installations, etc.)
- Commit to transparency and accountability
- Provide publicly available updates that are easy to find and understand, available in multiple languages



Review Feedback & Prioritization Results

Part 1

Key Themes from Feedback in Consider.it

- 1. Timeline should be accelerated especially for many mid- and long-terms activities
- 2. Need to more clearly define implementation details
- 3. Need to incorporate feasibility assessments and planning aspects for some of the actions
- 4. Too much focus on financing support and not enough on capacity building (Re: Action 1.4)
- 5. Alternative compliance pathways need to be incorporated (Action 1.2 BEUDO and 2.3 Green Building Requirements)

NZAP Priorities by Action

Cambridge Net Zero Action Plan

Adjusted Actions Ratings by Various Metrics of Interest

Action			**GHG Impacts	**Resilience	**Other Co-	Summed Benefits	*Avg Score	***Equity	TF Adjusted
number▼	Type ▼	Action	Rating 🔻	Rating 🔻	benefits Ratin 🔻	Ratings 🔻	(Consider.it Po	Rating 🔻	Ranking 🗐
1.2		Action 1.2 BEUDO Requirements	3	2	2	7	80	Flagged	1
4	Enabling	Action 4 Local Carbon Fund (Aggregation 3.0)	3	3	3	9	64	Positive	2
3.3	New	Action 3.3 Off-site Renewable Energy Access	3	1	2	6	62	Flagged	3
1.4	New & Enabling	Action 1.4 Financing and Capacity Building	3	1	2	6	36	Positive	4
2.1		Action 2.1 Net Zero Requirements for New Construction	2	3	2	7	71	Flagged	5
2.5	New	Action 2.5 Embodied Carbon Management	1	2	1	4	30	Neutral	6
1.3		Action 1.3 Upgrades at Transaction Points	2	3	3	8	39	Flagged	7
1.1		Action 1.1 Custom Retrofit Program	1	3	3	7	6	Positive	8
3.1		Action 3.1 Low Carbon Energy Supply	1	3	1	5	47	Positive	9
3.2		Action 3.2 On-site Renewable Energy Access	1	3	3	7	70	Neutral	10
3.2.1	Enabling	Action 3.2.1 Rooftop Solar Requirement	1	3	3	7	49	Flagged	11
2.3		Action 2.3 Increase Green Building Requirements	1	2	3	6	33	Flagged	12

Date: May 27, 2021

Notes:

^{*}Avg. Score (Consider.it Poll): Average priority score given in Consider.it by TF members

^{**}GHG Impact, Resilience and Other Co-benefits rated 1-3 with 3 having the highest positive impact, and 1 having lowest impact

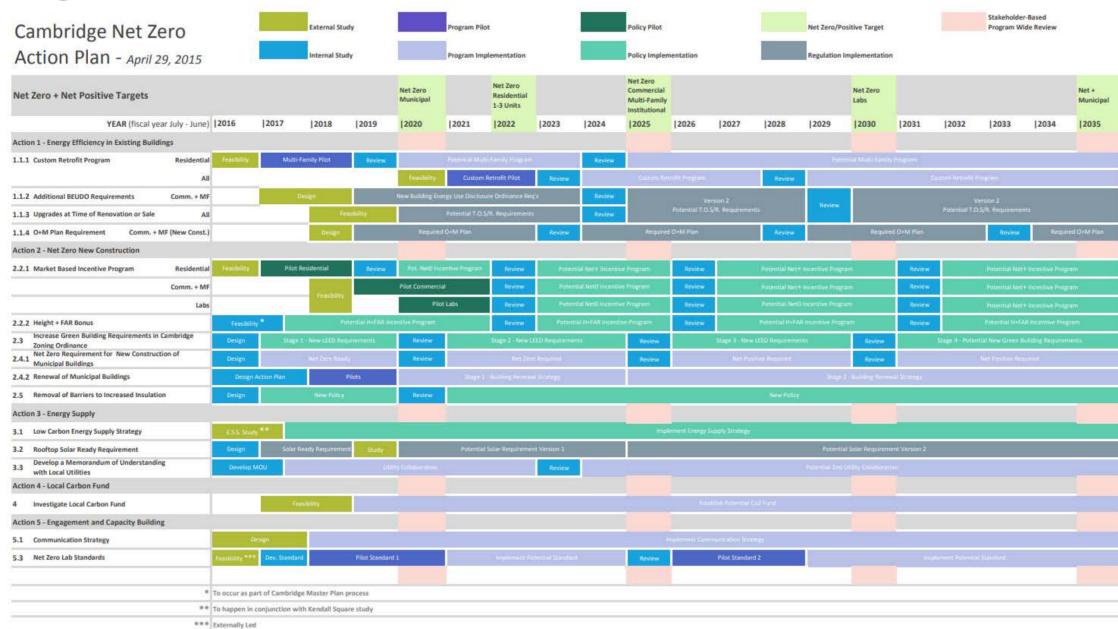
^{***}Equity ratings: Positive > Action having a positive impact, Neutral > Actions that have neither positive or negative impact, Flagged > Needs work

[&]quot;N/A" indicates that that Action is enabling or supporting emissions reductions in another Action

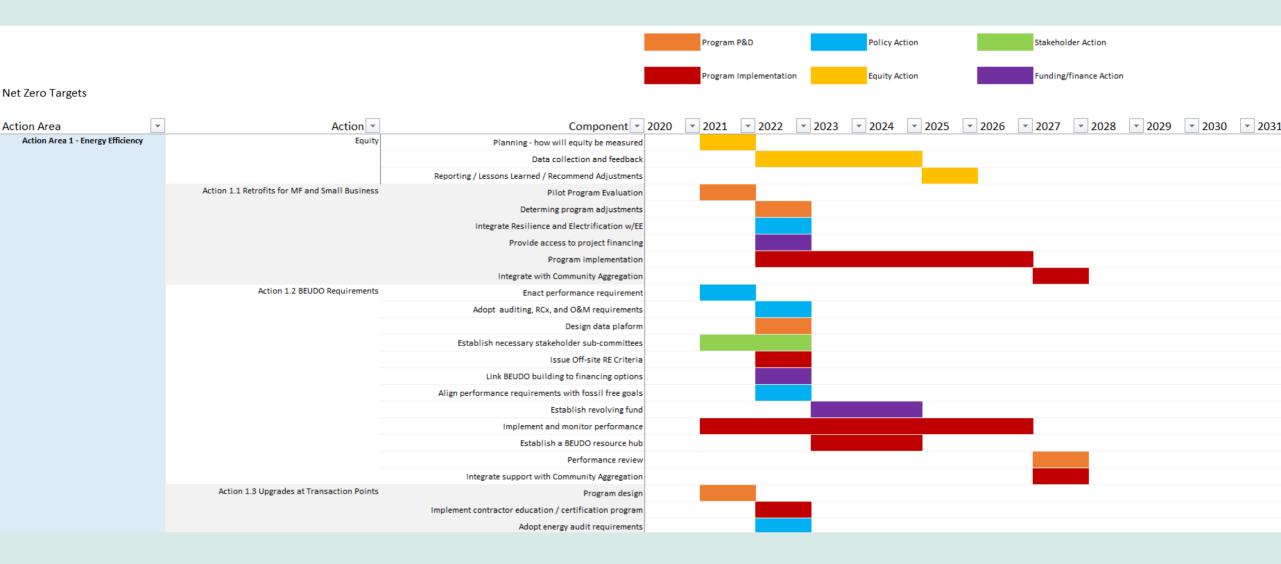
NZAP Implementation

Part 2

Original timeline



Adjusted timeline based on current proposed adjustments



Questions for Guided Timeline Discussion

Off-site Renewable Energy Access

- Off-site Renewable Energy criteria will enable emissions reduction action for new construction and BEUDO; agree that this needs to be a top priority?
- Are there other ways that we should consider to accelerate timeline?

Financing

- What do we see as the primary needs or risks associated with this action?
- What other needs are there in order to provide financing access within the desired timeline?

Capacity Building

• What actions are needed in 1.4 to support capacity building in other actions (toolkits, guidelines, training, etc.)?

Example: On-site Renewable Energy; Do the program funding/financing needs align with other funding/financing actions? Does the timeline support an effective deployment plan for on-site solar development?

Questions for Guiding Timeline Discussion

Local Carbon Fund / Community Aggregation

- Do we have the right mix of steps in place to reach our goal of a transition to a more comprehensive equitable community aggregation program?
- Are there other steps that may be taken to accelerate the timeline of this action?

Embodied Carbon

- Is this timeline realistic given this is a new action and requires planning and organization up-front?
- Should this action be more closely aligned with the Green Building Requirements? Might that help in accelerating the timeline?

Net Zero New Construction

 Should the city continue to pursue city-standards for efficiency, on-site and off-site renewables while State code is developed?

REVIEW ANTICIPATED NEXT STEPS FOR NZAP

Part 3

NEXT STEPS

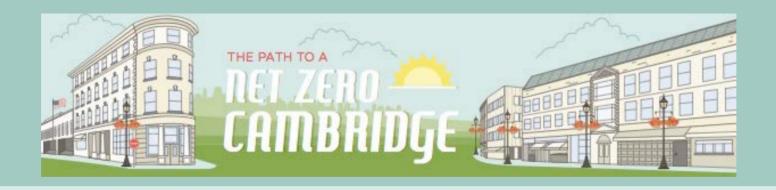
May 27: Net Zero Task Force Meeting 5

- Discuss prioritization of updated actions and implementation

June: Complete draft of updated Net Zero Action Plan

Summer: Additional stakeholder engagement as needed

Fall: Submit updated Net Zero Action Plan to City Council for adoption



PUBLIC COMMENT

Part 4:

Thank You!

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