



Getting to Net Zero Taskforce January

Agenda

Getting to Net Zero Task Force Interim Meeting.

January 12, 2015 11:30 AM-1:30 PM

344 Broadway, 2nd Floor Conference Room

- 11:30 am Welcome and Introductions
- 11:35 am Task Force to Provide Final Thoughts on the Actions
- 12:40 pm Public Consultation Discussion
- 1:00 pm Input on Draft Outline of Executive Summary
- 1:15 pm Public Comment



NZTF Objectives (March 2014)

- Broad-based agreement from the Task Force and key stakeholders on a methodology, strategy, targets, and timeline for achieving net zero emissions, including agreement on the definition of the scope of net zero for the purposes of this initiatives.
- A comprehensive list of recommendations outlining a set of short-term (1-3 years) actions and a set of longer-term (4-10 years) actions. These recommendations will include direction on regulation, planning measures, incentives, and renewable energy generation initiatives that are within Cambridge's direct control.
- The projected impacts of each action (to assist in decision-making and implementation of the recommendations, and in tracking and reporting progress and impacts of each action over time).
- Identification of roles and responsibilities associated with each of the recommended action, including who (i.e. City, state gov't, stakeholder group) will lead and/or support implementation of each.

NZTF Objectives (March 2014)

- A comprehensive list of additional, promising action areas that require further research.
- Identification of resource needs to begin work on short-term actions and high-priority research topics.
- Commitments of support or alignment from partners who are critical to the success of the plan.
- Agreement on an ongoing communication, reporting and accountability strategy.

What we have heard? Overall Comments

Definition of terms:

A- Net Zero Emissions for New Buildings

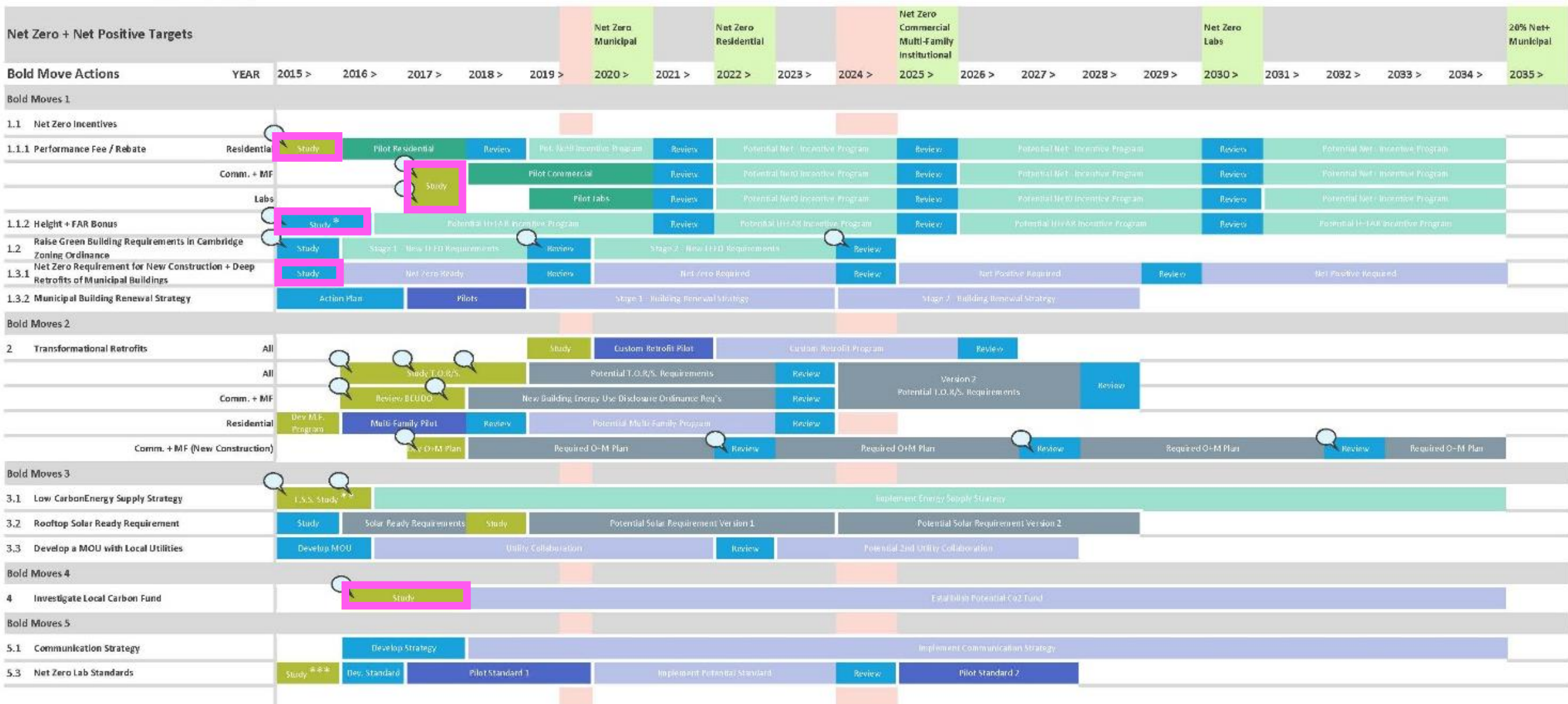
- Efficiency First
- Renewable Energy for remaining loads
- Other strategies (offsets, aggregation, REC's) to close the gap

B- Community of Net Zero Emissions Buildings (new, existing, considers supply)

What we have heard? Overall Comments

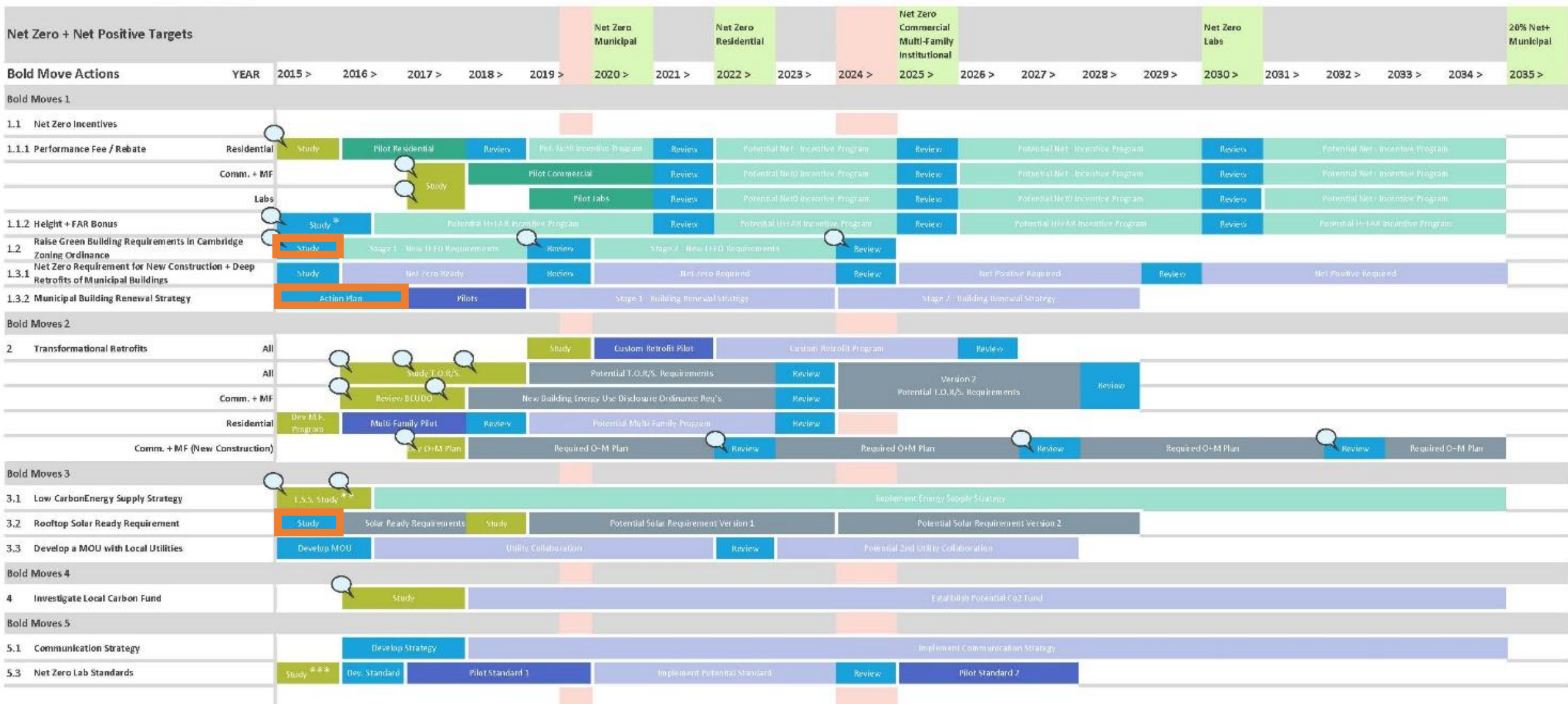
- Clearly define what will be “designed” for implementation and what will be studied for feasibility.
- Clearly identify what will change in short-term (1 - 4 years)
 - Solar ready
 - LEED Update
 - Research and consultation for Performance Fee and Rebate Pilot
 - BEUDO and Data collection
 - Energy Supply strategy

More clearly define feasibility



* To occur as part of Cambridge Master Plan process
 ** To happen in conjunction with Kendall Square study
 *** Externally Lead

More clearly define feasibility



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What we have heard?

Net Zero New Construction Targets

- The target is too aggressive/not aggressive enough
- What is the process by which we can set a target that communicates expectations clearly but also is responsive and dynamic to the evolution of the market
- What are the task force's ideas to develop an equitable process?

Type:	Municipal	Residential	Multi-Family	Commercial	Institutional	Labs
Target year:	2020	2022	2025	2025	2025	2030

Target years: Process

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The Policy target is the date for the year when legislation enacting the requirements will be developed and recommended for adoption.

- The targets will be reviewed again in 2019 as part of the comprehensive review, and again in 2024.
- Each target will also be reviewed for feasibility prior to enactment

Target years: Process

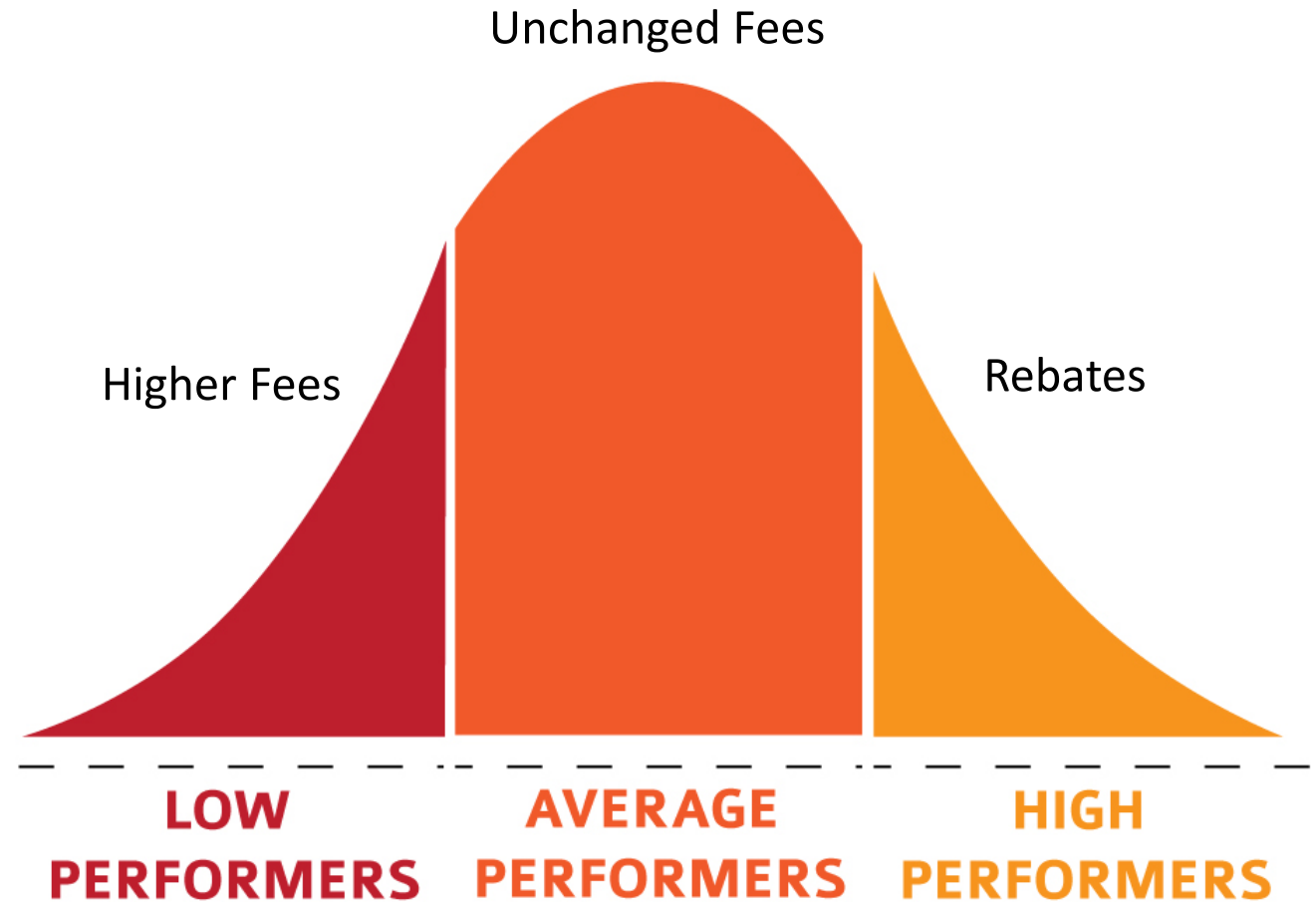
Type:	Municipal	Residential	Multi-Family	Commercial	Institutional	Labs
Target year:	2020	2022	2025	2025	2025	2030

The criteria that will be evaluated in order to determine the the feasibility is:

- Number of Net Zero Buildings in that building type
- Technical feasibility/Industry Capacity
- Access to renewable energy
- Economics including NPV analysis
- Contribution to other goals such as resiliency

What we have heard: Action 1 The Incentives

- Too complex?
- Cannot be punitive to energy intensive building types
- It will be studied for feasibility first
- It will be run as a pilot first
- Performance fee & rebate system
- New fee structure to encourage higher performance
- Potential height & FAR bonus



What we have heard? Action 2 - Retrofits

Regulating Retrofits:

- More emphasis on tenant engagement.
- Regulation at time of sale or retrofit permit
 - What needs to change to make this work?
- Regulation based on poor performance as defined by BEUDO data.
 - Will target poor performers as compared against their peers
 - Bottom 20% or less.
 - May not be applicable to all buildings

What we have heard? Action 3 – Energy Supply Strategy

Energy Supply Strategy:

- More aggressive support for improved RPS
- Thorough analysis of aggregation and its potential to increase renewable energy supply
- Ensure that solar regulation is applied in appropriate circumstances
- Eliminate fresh pond golf course solar proposal

What we have heard? Action 4: Local Carbon Fund

- Strong preference to have the investments stay in Cambridge
- Must be defensible and cost effective.

Action 5: Capacity Building

- Has to focus on building occupants and tenant engagement more.
- Clearly articulate resource requirements.
- A defined role for university campuses as part of the plan

Public Consultation

- What are we going to do and how?

<note: discuss two options: open house vs. panel discussion>



Draft Outline: Review

Target length: 15 pages plus appendices.





Thank you
Next Meeting January 28th