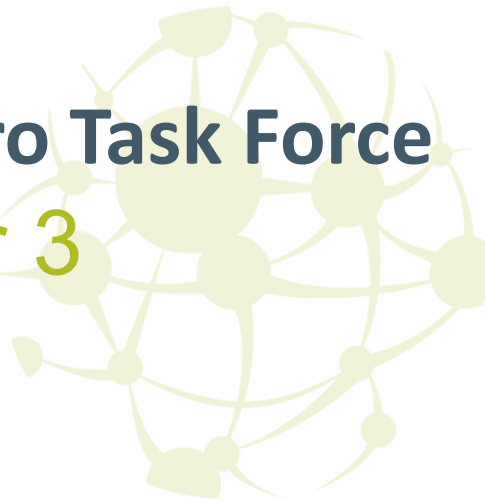


Cambridge Net-Zero Task Force

Meeting Number 3

By Dave Ramslie MSc LEED AP
Principal - Integral Group

April 9th, 2014



Agenda:

6:00 pm **Monthly Project Update & Review of Agenda**

6:05 pm **Project Outcomes**

Definition of Net Zero

NZTF Outcomes

6:20 pm **Report Back from Working Groups**

6:45 pm **Discussion of Early Actions**

7:15 pm **Preview of Cambridge Building Energy Primer**

7:45 pm **Next Steps & Public Comment**

8:00 pm **Adjourn**

Since we last met...

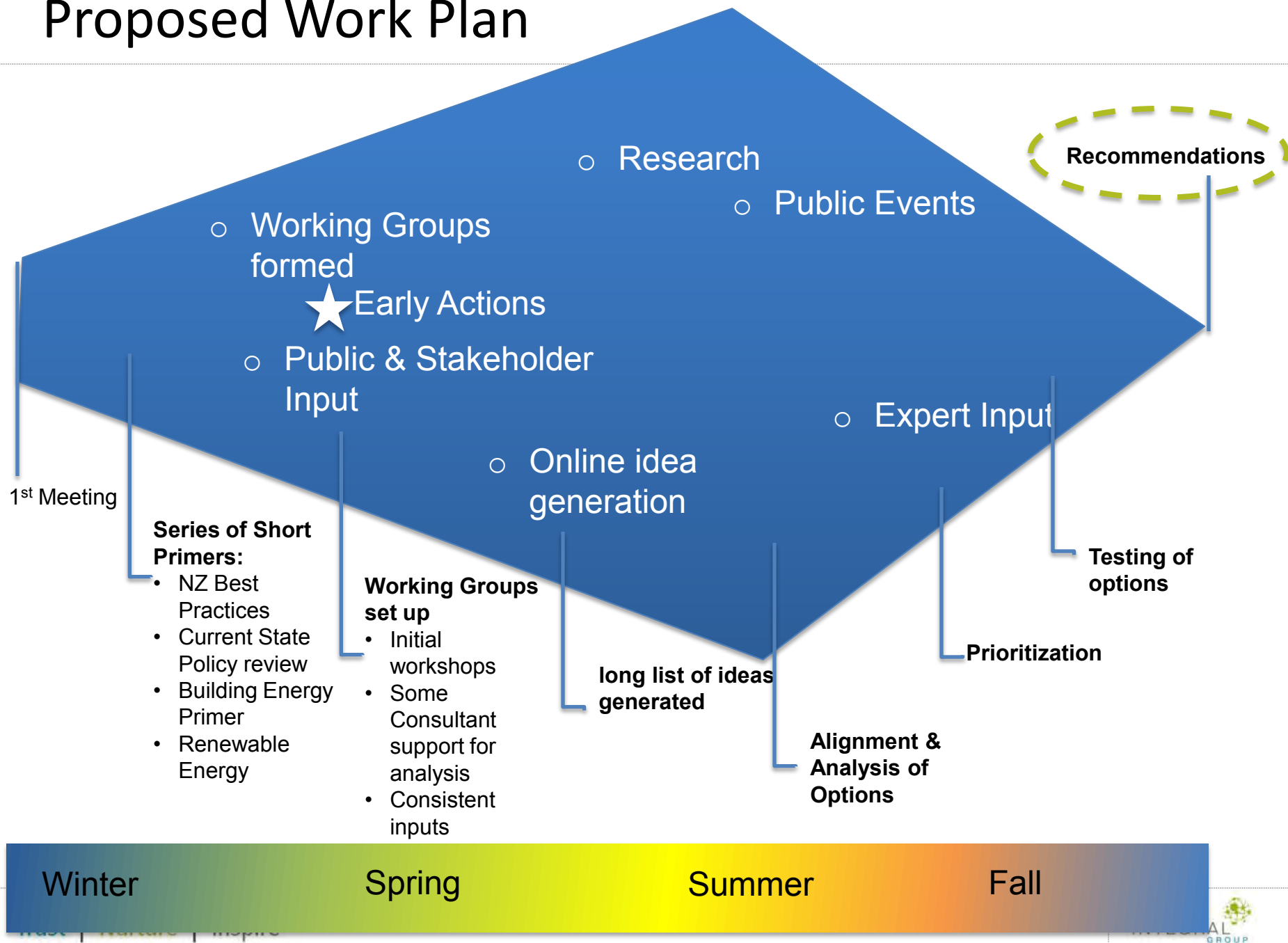
- Organized task force working groups
- Developed process and starter kits
- Finalizing Policy Best Practices Primer
- Beginning development of engagement strategy
- Start up of Cambridge Building Energy Primer
- Definitions & Outcomes

What is the definition?

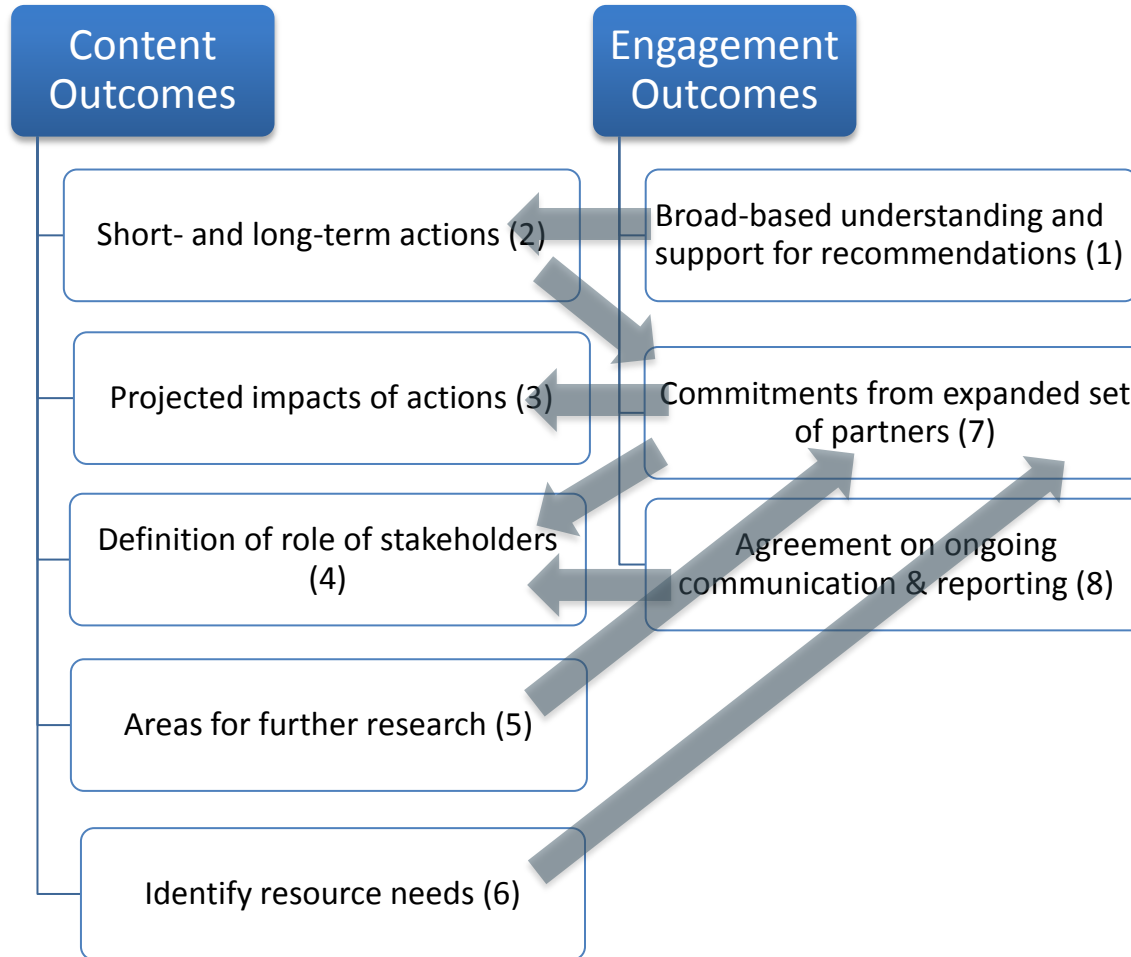
Definition of “Net Zero” for the Task Force:

A community of buildings that collectively achieve net zero emissions in their operations, through infrastructure, energy efficiency, renewable energy, and offsets.

Proposed Work Plan



What are we producing?



Working Groups: ROADMAP TO RECOMMENDATIONS



Report Back from Working Groups

1. Education & Engagement
2. Incentives & Financing Tools
3. Regulation & Planning Approaches
4. Energy Supply & Offsets

Building Energy Benchmarking & Disclosure

- Would apply to commercial & multifamily
- Require benchmarking & disclosure

The image shows a sample ENERGY STAR Multifamily All-Regs Performance label. At the top, it features the ENERGY STAR logo and the text "ENERGY STAR® Multifamily All-Regs Performance". Below this, a large number "76" is displayed, representing the property's score. To the right of the score, the label provides "Sample Property" details: "Primary Property Type: Office", "Green Floor Area (GFA): 50,000", and "Built: 2000". It also includes "Energy Score: 76" and "For Your Rating: Oct 15, 2015" and "Data Source: Oct 15, 2015".

Below the score, there is a section titled "Property & Contact Information" which contains three columns of data:

Property Address	Property Name	Owner/Manager
1234 Main St New York, NY 10001	1234 Main St New York, NY 10001	ABC Property Management New York, NY 10001

Below this table, there is a section titled "Energy Performance" which contains a table with columns for "Energy Use", "Green Floor Area", "Energy Star Score", "Energy Star Rating", and "Energy Star Label". The table shows a score of 76 and a rating of "Good".

At the bottom of the label, there is a section titled "Signatures & Stamp of Verifying Professional" which includes a line for the "Verifying Professional" and a large rectangular box for the "Professional Seal & Stamp".

Update Zoning Ordinance

- Raise Certified to Silver
- Raise Silver to Gold
- Consistent with other rezonings



Multi-Family Energy Efficiency Pilot Program

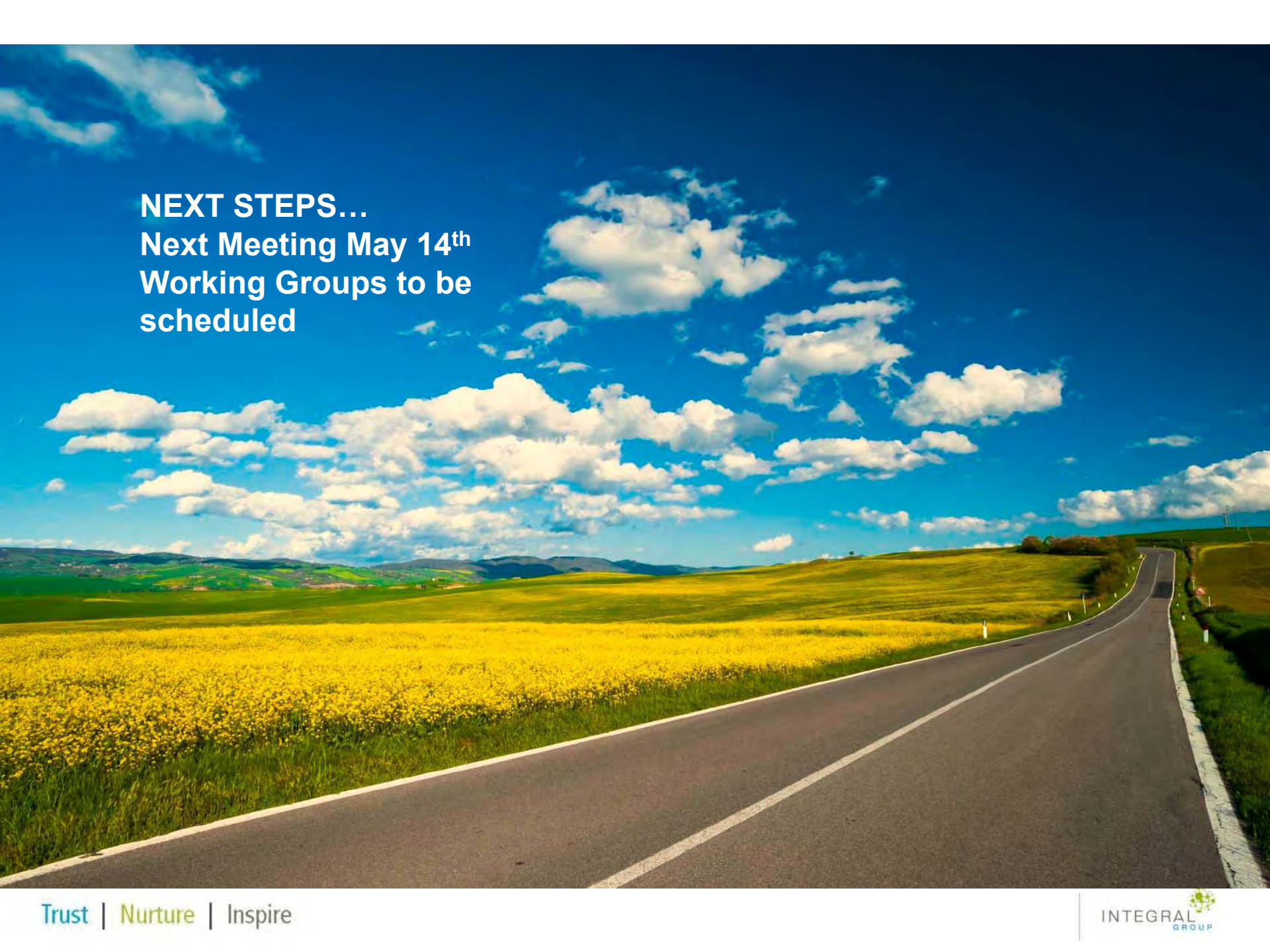
Work with NSTAR too:

- Raise participation
- Achieve deep retrofits
- Be location specific
- Limited time offer marketing
- Streamlined service delivery



Endorse two initiatives

- Comments on State stretch code
 - Accommodate District Energy and Co-generation
 - Improve Energy Modelling
- Support for PACE legislation (S. 177)
 - Support for commercial buildings
 - Include resiliency measures



NEXT STEPS...

Next Meeting May 14th
Working Groups to be
scheduled