

Getting to Net Zero Task Force

Agenda January 28, 2014

6:00 PM - 8:00PM

City Hall Annex

344 Broadway

2nd Floor Conference Room

6:00 pm **Welcome and Introductions**

6:15 pm **Overview**

- Background
- Overview of Ongoing Cambridge Initiatives

6:35 pm **Task Force Scope**

- Mission
- Refer to 'Topics to be addressed' [p. 3]

7:10 pm **Task Force Process**

- Proposed Work Plan [p. 4]
- Proposed Working Groups:
 - Residential
 - Commercial, including Labs/ Institutional
 - Renewables and District Energy

7:35 pm **Next Steps**

7:45 pm **Public Comment**

8:00 pm **Adjourn**

Getting to Net Zero Task Force Members

Community advocates/Residents

Henrietta Davis, former Mayor of Cambridge

Andrea Love, Resident, Payette Architects

Barun Singh, Resident, Founder & CTO of Wegowise

Quinton Zondervan, Resident, Executive Director, Climate Action Liaison Coalition

University/Climate Compact Representatives

Heather Henriksen, Director of the Office for Sustainability, Harvard University

Julie Newman, Director of Sustainability, Massachusetts Institute of Technology

Planning Board

Tom Sieniewicz, Planning Board member, NBBJ

Business/Property Owner/Developer Representatives

Bill Kane, Vice President, Leasing & Development, BioMed Realty

Joseph Maguire, Vice President, Alexandria Real Estate Equities, Inc.

Subject Matter Experts

Jane Carbone, Director of Development, Homeowner's Rehab, Inc.

Caitriona Cooke, Program Director, Conservation Services Group

Emily Grandstaff-Rice, President, Boston Society of Architects

Shawn Hesse, Architect, Sustainability Expert, Emersion Design

Marc Hoffman, Energy Efficiency Advisor

Paul Lyons, President, Zapotec Energy, Inc.

Topics to be addressed

Building Energy Use

- Existing and planned building stock by class, type, size, sector
- Residential, commercial, industrial, and institutional buildings
- Labs, web and dry
- Energy Use and Management systems
- Building technologies
- Review, analysis, and verification of data

Renewables and District Energy Systems

- Existing and future renewable energy generation technologies
- Existing district systems
- District Energy systems
- Electric and thermal storage

Renewable Energy and Carbon Offsets

- Certifiable renewable energy and carbon offset schemes
- Consider local, i.e. Cambridge, near such as Boston metropolitan area, statewide and regional
- Understand when they would be allowable, e.g. is it last resort after all energy efficiency and on-site renewables opportunities have been implemented
- Understand potential market mechanisms

Planning Approaches

- Microclimate considerations
- Green Infrastructure
- Heat Island and surface albedo effects
- EcoDistricts
- Zoning Issues relevant to community shared resources (e.g. solar or infrastructure)
- Zoning “obstructions” that need to be removed to enable community resources and commercialization
- Planning for shared use of public right of ways

Policy

- Future Planning and growth projections
- General plan
- Policy levers and incentive tools, local and State
- Energy and Renewable Policy
- Role of Government, Utility, and other groups

Economics and Finance

- Economic analysis and forecasting
- Financing mechanisms, public-private partnerships
- Affordability

Proposed Work Plan

Scope	Schedule	Lead Group
Phase 1, January – April 2014		
Task Force and Staff Kickoff Meeting - Review scope and recommendations - Confirm and populate Working Groups - Engage volunteers - Clarify, confirm consultant scope	Jan-Feb 2014	All TF, Staff
Current State Assessment - Buildings, Technologies - Policy	Feb – Mar 2014	All TF, WGs Staff Consultant
Public Workshop #1 - Current state - Generate possible solutions	April 2014	TF, WGs Staff
Phase 2, April – July 2014		
Opportunity Identification and Analysis - Energy Use and Management - Renewable Energy Generation	Apr – Jul 2014	All TF, WGs Staff Consultant
Economic, Financial, Legal Analysis	Apr – Jul 2014	TF, Policy and Econ WGs, Staff Consultant
Public Workshop #2 Present opportunities and analysis for feedback	June 2014	TF, WGs Staff
Phase 3, August 2014 – January 2015		
Policy Framework	Aug – Oct 2014	TF, Policy and Econ WG lead Staff Consultant
Roadmap	Sept – Dec 2014	All TF, WG Staff Consultant
Public Workshop #3	November 2014	TF, WGs Staff
Stakeholder Presentations	Nov – Dec 2014	TF, Staff
Council Adoption	January 2015	TF, Staff