

Winchester Climate Action Advisory Committee (CAAC)

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(Addenda)

OVERVIEW

- ▶ 2013 Accomplishments
 - ▶ Technical Assistance
 - ▶ Grants/ Incentives
 - ▶ Advocacy/ Outreach
 - ▶ Collaboration
- ▶ The Future: 2014 and Beyond
- ▶ BOS Action Items



2013 Technical Assistance

- ▶ High School project (EFPBC)
- ▶ Trash
 - ▶ Single stream recycling
 - ▶ SMART pilot program
- ▶ Fish ladder (Center Falls Dam)
- ▶ LED streetlights
- ▶ Daylighting of the Aberjona feasibility
- ▶ Davidson Park study

WHS – SUSTAINABLE DESIGN

▶ High School Sustainable Design:

- ▶ Established EFPBC Sustainability Sub-Committee.
- ▶ Developed detailed sustainable design recommendations to create a high-performance building focused on enhanced efficiency and long-term cost savings.
- ▶ Worked with WHS project engineers and architect to identify higher efficiency/performance heating, cooling, lighting, waste management, and occupant comfort systems that have life-cycle cost benefits.
- ▶ Secured minimum of LEED Silver level of sustainable design, against Gold level recommendation – for additional 2% MSBA reimbursement (\$2.5 million)
- ▶ Identified cost-effective path to achieve greater building energy efficiency and life-cycle cost benefits to the town.
- ▶ Long-term cost savings to the Town are currently being left on the table due to scope and budget cuts in the project.
- ▶ Securing a leadership-level, model school for sustainable design is threatened due to sustainable design cuts to project budget.
- ▶ Requested utility incentives be returned to project for additional efficiency and savings.

Sustainable Design Recommendations

Current schematic design by SMMA:

- only 20% better than code
- 45kbtu/sqft/yr
- 50 year life of building

- Secure additional 2% reimbursement
- Seek 45% better overall energy performance than code
- Seek 40 kBtu per sqft or better energy performance
- Grafton – 46 kbtu/sqft
- Wellesley – 41 kbtu/sqft
- Winchester - ??



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2013: Funded Grants / Incentives

- ▶ MassDEP: school recycling coordinator position
- ▶ MassDEP: in-kind, Recycling Coordinator Carolyn Dann
- ▶ Federal Sunshot Grant: Rooftop Solar Challenge
- ▶ Green Communities: energy conservation
- ▶ Solar thermal study for WHS
- ▶ Geothermal heating and cooling study for Library
- ▶ Electric Vehicle Charging stations
- ▶ DOER: water-saving devices, municipal buildings
- ▶ Revolving Fund/Utility Incentives: upgraded lighting at DPW



2013 Advocacy/ Outreach

- ▶ Community
 - ▶ Business Power breakfasts
 - ▶ Winchester Star
 - ▶ Water bill inserts "green initiatives"
 - ▶ *Energy Hunters* second Video
- ▶ CAAC wrote BOS
 - ▶ MBTA funding for commuter rail
 - ▶ Protection of water district

2013 Collaborations

- ▶ website: <http://climatewinchester.wordpress.com/>
- ▶ Town boards, committees; guest speakers; stakeholders
 - ▶ TCI & Town Master Plan
 - ▶ Climate change
 - ▶ Food vulnerability
 - ▶ CAAC “re-visioning”
 - ▶ MAPC Planning efforts

2nd Environmental Summit

MARCH 3, 2013

- ▶ >50 participants
- ▶ Primary Interests
 - ▶ Solid Waste Management
 - ▶ Natural Resources
 - ▶ Energy Efficiency
 - ▶ Transportation and Walkability
- ▶ Cross-Cutting Themes
 - ▶ Leading by example
 - ▶ Education
 - ▶ Coordination

The Future: 2014 and Beyond

- ▶ CAAC membership status
 - ▶ Vacancies
 - ▶ Have 2+ interns summer 2014
- ▶ Strategy: work smarter, not harder
 - ▶ Prioritize issues important to community
 - ▶ ID effective ways for change in those areas
 - ▶ Recalibrate plan, focus CAAC resources



BOS ACTION ITEMS

- ▶ Add sustainability-related responsibilities to Municipal job descriptions
- ▶ Communicate BOS priorities to shape WHS renovation progress
- ▶ Enable utility incentives to be reinvested in additional project savings
- ▶ Co-sponsor 3rd Environmental Summit
- ▶ Consider part-time Municipal Sustainability Coordinator
- ▶ Assist to identify new CAAC member candidates