



MEETING AGENDA

•Town of Concord

•Comprehensive Sustainable Energy Committee

•Date: **Monday**, February 13, 2017 (Note day)

Time: **7:00PM** (Note time)

Location: Concord Municipal Light Plant***

1175 Elm Street (side entrance)

Public Meeting Room (Note location)

CSEC meeting 13 Feb 2017

1. Welcome visitors [7:00, 15 min]
2. Approval of minutes from recent meetings:
 1. December 13th
 2. January 10th
 3. January 24th
 4. January 31st
3. Next meetings: March 14th (or 13th); April 11th
4. Cooler Concord fair summary [7:20, 45 min]
 1. Results summary: participants, points, schools, sign-ups
 2. Debrief summary:
 3. Communications plan
 4. Web site—goals and how to proceed
 5. Follow up efforts
5. Energy Future Task Force report, recommendations, & town meeting article [8:05, 20 min]
6. Other town meeting articles and issues related to sustainability [8:25, 30 min]
 1. CCHS landfill remediation
 2. Junction Village appropriation
7. Public comments [9:00, 5 min]
8. Adjourn [by 9:05 pm]

CSEC Meeting items

1. Welcome visitors [7:00, 15 min]
2. Approval of minutes from recent meetings:
 - December 13th
 - January 10th
 - January 24th
 - January 31st
3. Next meetings:
 - March 14th (or 13th)
 - April 11th
 - May 9th
 - June 13th

Cooler Concord Fair

- Tremendous success! Thanks to Jill, Gilda, Annie, and all organizers and volunteers
- Summary:
 - Families: 430
 - 184 pre-registered (about 2/3 actually came)
 - About 200 checked in but didn't check-out (including volunteers)
 - Total people: about 1000, difficult to tell
 - Volunteers: 180 total (including 20 organizers)
 - Points: 650,000 recorded on estimator sheets, by hand or on-line
 - Potential savings of 325 Tons, assuming good follow-up
 - Most families: 500 or less (many 50's for just being there)
 - Relatively few >> 1000, up to maximum 29,786
 - Potential annual savings \$47,587

Cooler Concord, school participation:

- Didn't completely capture the school information due to check-in glitches, so these results probably an underestimate
- Alcott, Thoreau, Willard very close to the 20% of families goal (18-20%)
- CMS at 16% and CCHS at 10% (but includes Carlisle)
- All schools made good efforts to get families there which was a key factor in the fair success
- Points: 3 of 5 schools made the higher point goals, though due to fact that a few large point values skewed results, not really a fair indicator
- Should we award the full \$1K per school to the schools (PTGs), but request that half of it go to sustainability related projects

Cooler Concord Sign-ups (for Concord):

- Energy Audits: 57 oil or electric (ENE), 30 nat. gas (MassSave)
- Programmable Thermostat installs: 30
- Heat Pump Assessments: 46
- Hot Water Assessments: 50
- LED Makeovers: 33 (not requesting energy audits)
- Solar Assessments: 60
- Lawnmower (electric rebate requests): 80

Cooler Concord

- Discussion – what worked, what could have been better
- Communications plan:
- Web site – goals and how to proceed
- Follow up efforts

Energy Future Task Force :

- Draft report, presented to Select Board on 2/6
 - Available on-line: www.concordma.gov/DocumentCenter/Home/View/7537
 - EFTF tenure extended to Town Meeting for warrant article
- Goals:
 - The EFTF's recommendations are centered on aligning Concord's Energy Future with the goals of the *MA Global Warming Solutions Act of 2008* and are informed by the *Paris Climate Agreement of 2016*.
 - The Task Force recommends the following goals:
 - 25% reduction in greenhouse gases by 2020
 - 80% reduction in greenhouse gases by 2050.
 - These are town-wide goals and are applicable to all sectors. Baseline is 2008

EFTF Recommendations

Short term:

- a) Issue policy statement from the Select Board and T.M. that firmly establishes these recommended GHG reduction goals as responsibilities of the T.M. and that decreasing emissions shall be considered and advanced in all deliberations and decisions of all Town departments and committees;
- b) State the goals and provide annual updates on the Town's progress in meeting them at future Town Meetings; and educate our citizens (and commercial enterprises) about the goals so that they may take individual actions to help Concord achieve them;
- c) hire a Director of Energy and a consultant to assist him/her to guide the Town in designing and implementing a sustainable energy future consistent with the recommendations;
- d) Appoint a new small advisory group to assist the Town Manager, the Energy Director, and the consultant (another committee?)

EFTF Recommendations – Longer term:

- a) Measurement: Confirm that the 2008 town wide database for tracking Concord's carbon footprint is complete and maintain this as the baseline for measuring progress toward the GWSA goal of an 80% reduction in GHG by 2050.
- b) Best Practices: Direct the Director of Energy to develop integrated implementation strategies with systems thinking across all departments and to use improvements in low carbon electricity to make rapid progress towards meeting the goals.
- c) CMLP: The Concord Municipal Light Plant is a valuable asset for the Town. CMLP's participation will be essential to achieving the goals stated in this Report. Consistent with this, the Task Force recommends that CMLP:
 - i) consider alternatives to reduce barriers to the adoption of energy efficiency measures including eliminating the practice of having separate energy audits from Mass I.O.U.s
 - ii) work to offer comprehensive set of cost-effective energy efficiency incentives and measures that meet or exceed those offered by Massachusetts investor-owned utilities.
 - iii) as a short-term goal, retire Class I RECs from renewable energy purchases or purchase Class I RECs to allow CMLP to achieve the Massachusetts RPS goals that apply to suppliers of the customers of Mass I.O.U.s.

ARTICLE 51 - CONCORD'S ENERGY GOALS

To determine whether the Town, informed by the Paris Climate Agreement of 2015, will vote to align the energy goals of the Town of Concord with:

- (a) the Massachusetts Global Warming Solutions Act of 2008 to achieve a minimum 25% town-wide reduction in Green House Gas (GHG) emissions by 2020 and an 80% reduction by 2050 from the baseline established in 2008;
- (b) by 2030, as an intermediate goal, direct CMLP to reduce the GHG emissions of its power supply portfolio and to offset any residual GHG emissions of its electricity supply through the purchase of RECs or other offsets;
- (c) whether the Town will vote to raise and appropriate or transfer from funds available in the Treasury, the sum of \$100,000, or any other sum, to be expended under the direction of the Town Manager for the purpose of engaging one or more consultants for the purpose of developing and making publicly available an operational plan to achieve said goals; and further, to see if the Town will vote to raise and appropriate or transfer from available funds in the Treasury, the sum of \$100,000, or any other sum, to be expended under the direction of the Town Manager for the purpose of hiring a Director of Energy, on an on-going basis, to be accountable to the Town Manager for recommending policy and measuring progress toward meeting these goals and implementing the operational plan, as well as tracking and assessing new energy technologies and funding opportunities, or take any other action relative thereto

ARTICLE 26 - SMART-GRID IMPROVEMENTS.

To determine whether the Town will vote to raise and appropriate, transfer from available funds in the treasury, or authorize the Town Treasurer with the approval of the Select Board to borrow by the issuance of bonds or notes under the provisions of Chapter 44 of the Massachusetts General Laws, the sum of \$3,000,000, or any other sum, to be expended under the direction of the Town Manager for the purpose of purchasing and deploying smart-meters and smart-grid technology, including advanced communications networks, information and data management systems, distribution automation (DA) technologies, advanced metering infrastructure (AMI), system analytic capability, and distributed generation (DG) acquisition, said expenses to be paid by the ratepayers of the Concord Municipal Light Plant, and further that any premium received by the Town upon the sale of any bonds or notes approved by this vote, less any such premium applied to the payment of the costs of issuance of such bonds or notes, may be applied to the payment of costs approved by this vote in accordance with Chapter 44, Section 20 of the Massachusetts General Laws, thereby reducing the amount authorized to be borrowed to pay such costs by a like amount, or take any other action relative thereto.

ARTICLE 30 - APPROPRIATION FOR JUNCTION VILLAGE AFFORDABLE ASSISTED LIVING DEVELOPMENT

To determine whether the Town will vote to appropriate the sum of \$350,000, or any other sum, from the Concord Community Preservation Fund and to appropriate the sum of \$1,000,000 from Free Cash, the combined total appropriation of \$1,350,000 to be expended under the direction of the Town Manager for the purpose of constructing affordable housing units in the Junction Village Affordable Assisted Living Development; provided further than the sum appropriated from the Community Preservation Fund shall be designated as follows: \$271,757 from the Community Housing Reserve Fund and \$78,243 from projected Fiscal Year 2018 Fund Revenues of the Community Preservation Fund, in accordance with Chapter 44B of the Massachusetts General Laws; and provided further to authorize the Town to acquire/grant an affordable housing restriction in accordance with Chapter 184, of the Massachusetts General Laws; or take any other action relative thereto.

Junction village: background

- Jan 28, 2013, the Concord Housing Development Corporation (CHDC), a nonprofit organization with the charge to promote affordable housing opportunities throughout the Town of Concord, took title to a 12.8 acre parcel of land located off of Winthrop Street bordered by the MCI at Concord to the north and the Assabet River to the east. This parcel was conveyed by the Commonwealth to CHDC with the condition that it be used solely for open space and affordable housing
- This large building would be LEED Silver (energy efficient, not super-efficient)
- Gary Kleiman from planning board asks: what could be done to make this more efficient, for example ground-source heat pumps rather than natural gas?
 - What might CSEC do or suggest to help this?

CSEC meeting wrap-up [9:30pm]

- Public comments
- Adjourn