

ENFIELD ENERGY COMMITTEE MEETING MINUTES of 3/24/2009 -Approved-

MISSION STATEMENT: To identify energy savings for the town and energy savings opportunities for the community

CURRENT GOAL: Our goal is a 10% reduction in total energy consumption by the Town by the end of 2009 with incremental decreases thereafter, toward a three year goal of 25 % reduction in total consumption by the Town (relative to the 2007 baseline data) by the end of the fiscal year 2011.

DATE/TIME: March 24, 2009 5:00 PM

LOCATION: Whitney Hall Conference Room

I. Call to order 5:05 PM

Attendance: Present, Alisa Bonnette (Administrative Staff), person), Charles DePuy (Chair person for this meeting), John Burritt (alternate), Bo Petersson (alternate), Carol Lammert. Absent, Steve Goldsmith (Chair person), Wendell Smith, and Richard Lammert

II. Approval of minutes for 2/24/2009 meeting

Approved with revisions as submitted by e-mail and at the meeting.

III. Old Business

-Follow up on various issues from 2/24 meeting

The content that Alisa had e-mailed committee members regarding numerous items were reviewed. They were paraphrased as below:

Recycling Plastics #'s 1,2, and 7's are accepted regardless of shape in compliance with guidelines...caps removed, etc. The Enfield web site Guide to Services was modified to make recycling information easier to find.

Compost Bins and Kitchen Pails Enfield will be offering these again this year. Flyers will be available for Town Meeting

Department of Public Works garage bay lighting has not be done. A quote for the work was received but funding was not available.

Street lighting Removal and tariffs will be obtained through Ken Daniels from Nation Grid. The town is not charged for bulb replacement. All costs for streetlights come out of the streetlight line in the budget (\$25 K for 2008 included all street lighting fees.) Other electricity costs are for the town buildings and not related to streetlights.

No Idling Signage Steve Schneider is not in favor of posting signs at various town locations as the state's current regulation is not enforceable. It is recommended that the Committee develop a proposed policy with a comprehensive educational campaign to be presented to the Selectboard for consideration. His support is probable.

Energy Committee banner for Town Meeting has been made.

Town and Energy Committee Web Sites have been posted as a link in the What's New section on the Town's web site. As well under Guide to Municipal Services a section has been added for the Energy Committee.

Email address for the committee could be arranged. It would have to be checked by a committee member. It could be set up with an address such as energy@enfield.nh.us in keeping with other committee addresses. This could be arranged if the committee is interested.

Labels for TAFEELBDB can be made when it is known what is desired.

-Discussion about ECC activities at Town Meeting

Members stated that the Light Board was a major attraction. As well, folks did look at the posters, particularly the Idling Awareness information. The hand-outs on CFL bulbs at a reduced cost resulted in generally neutral responses. It was thought that most people are aware of CFL bulbs. As a whole educating the citizens about the endeavors of the Energy Committee's activities was considered to be of value. There were two residents who provided additional information; one advocated use of biodegradable food containers/utensils and another was expressly interested in working with the street lighting project.

- The Amazing Fantastic EEC Light Bulb Display (TAFEELBDB) and where it should go next

The members said that citizens were impressed with the demonstration of wattage used by strands of LED bulbs compared to incandescent holiday lights. As well, the different color emitted by CFL bulbs proved to be of value. Future use of the board should have a use and care guide. Safety concerns for clean up if a bulb were broken and the potential electrical hazard particularly involving children was discussed. If the board were displayed with supervision of a committee member safety concerns would be controlled. If the board were to be displayed at the Library permission from Marjorie Carr would be required. The limited space at the library is a concern. Display at schools is a possibility. John will contact the schools to learn if they would consider it as a display or possibly as a teaching tool involving math calculations (Kill-A-Watt data). Building and attaching a protective cage (possibly of hardware cloth) for protection of the bulbs will be done. Access to bulbs to be changed needs to be considered. Charlie offered to donate an LED bulb. It was found that the board did trip a GFI receptacle. Wiring beyond the box was a concern. John will work on these improvements. Use of the board for outdoor sites included consideration of displaying it within a portable enclosure such as a construction work trailer so that the light emitted could be accessed as within a home. Display at the Community Building was discouraged unless it were part of a specific presentation as the facility is used for a variety of functions such as wedding receptions. Use of the board at the Enfield Hardware Store and at the Energy Emporium were recommended, especially during the offering of CFL bulbs at reduced prices.

- Discussion on the pay-throw warrant item at Town Meeting

The presentation of the topic by Dave Stewart was seen as appropriate. It was noted that the citizens were not ready for the proposed change; regarding concerns for sharing of bags which was viewed as negating the purpose of the policy, being told what bags to purchase, etc.. Alisa stated that the Solid Waste committee has been formed and will have their initial meeting soon when a chair person is selected. They are tasked with having options and a recommendation for the Selectboard on October 6, 2009. Charlie expressed a desire in conferring with the Solid Waste committee to present a shared interest with the Energy Committee in decreasing energy usage through recycling as a global issue for energy usage and decreasing the carbon foot print. For fairness to varying numbers of house hold members there was a suggestion to consider a bag per capita plan. It was stated that finding a way to make recycling easier is needed. How to break habituation of non recycling of solid waste was discussed. Working through education of children to encourage parents to follow was advocated.

- Instructions for publicly accessible material at the Town Library (Kill-A-Watt meter and Smart Outlet Strip)

John provided copies of two information sheets , one for each item for committee members to review. He asked that committee members work with the math calculations for the Kill-A-Watt meter. Members were asked to e-mail recommendations to John.

- Light bulbs at cost program

Carol reported that she had canvassed several town stores to learn if the owners/managers were interested in participating in a program. It was learned that some convenience stores sell very few bulbs or do not offer CFL bulbs. Enfield Hardware is interested in working with Kim Quirk of the Energy Emporium (to open April 11) to offer CFL bulbs at a reduced cost for a limited period of time starting on Earth Day (April 22). There is some concern on how this offering would be advertised regarding stocking the correct amount of bulbs. It was noted that there was not a remarkably positive response when the information was given out at Town Meeting.

- Earth Hour Activities

Earth Hour will occur this year on Saturday, March 28 between 8:30 and 9:30 PM. People are encouraged to turn out lights during that hour. Alisa offered to include this information on the Town web site. It is included on the Energy Committee's website at <http://energy.enfield.nh.us>. Carol will provide additional web site links for members. Satellite photos of the continents showing light pollution at night were noted to be impressive. It is hoped that the committee will be able to promote Earth Hour next year.

- Earth Day

Earth Day is Wednesday, April 22 this year. It is hoped that the reduced cost for CFL bulbs will occur on that day to support the exchange of one's remaining incandescent bulbs with CFL's. It was suggested that the Energy Committee make efforts to additional locations in support of Earth Day. Carol offered to hand out flyers to support Idling Awareness at the Transfer Station.

- Update on idling awareness activities and HB 303 "An Act relative to motor vehicle

emissions and motor vehicle idling”

Carol reported that an e-mail response from Barbara Fales of the NH DES stated that HB 303 “was voted Inexpedient to Legislate in the House Science, Technology, and Energy Committee. It is due for a vote on the floor of the House toady, but we expect that it will be defeated.”

- Update on energy related projects around town (Shaker Village Sustainability project, Library Geothermal and ad-hoc group studying Renewable Energy options for Enfield Bo reported that the design for the Library is complete. Fund raising will be the next stage. There is no recent news on the use of a water turbine.

- Progress report on Town Energy Audit/Baseline consumption and impact/emissions data

Charlie presented two years (2007 and 2008) of data on electricity, oil and propane charges to the town and tabulated according to EPA.gov guidelines. Data from energy usage in 8 town-owned buildings demonstrates the priority of buildings to address (indicated by *).

Building	Per cent change	Current Source Energy Intensity
Enfield Center Fire	Improved by 23 %	55
Community Building	Improved by 2 %	105
DPW	*Unimproved by 12 %	81
Fast Squad	Improved by 15 %	133
Police Station	Improved by 8 %	278
Shedd Street	Improved by 26 %	39
Enfield Village Fire	*Unimproved by 13 %	101
Whitney Hall	*Unimproved by 6 %	109

The DPW, Enfield Village Fire and Whitney Hall data was viewed as unfavorable.

A Current Source Energy Intensity (CSEI) value of less than 100 is considered a good number. Both the Fast Squad and the Police Station show higher than desired values. Speculation was that needing to keep a warmer ambient temperature for storage of the equipment in the ambulance was necessary. The 24/7 use of the Police station is a contributing factor. Charlie will share this information with Chief Crate.

Charlie offered to put the data on the web site. There was discussion about the data; if it was calculated according to the fuel used to generate the electricity and the loss of energy in transmission. Charlie said that the EPA calculation takes into account the location of the town and the energy source. (See Attachment # 1 with Energy Star Portfolio Manage recap data provided following the meeting.)

- Update on implemented energy savings projects

Alisa said that the town hall is using the Smart Strip. Charlie will work with the Police Station.

- Street light project update

Deferred

IV New Business

- Method of entering e-mailed entries from committee members unable to attend

John asked for clarification on the process. Carol said that it depends on the nature of the content. If it is succinct, precise factual data it is entered as presented (grammatical and spelling corrections may be made). If it is of a conversational style it will be paraphrased to expediently present the content. The e-mail may be forwarded to the Chair person to offer it as potential content to be added to the meeting agenda. If there is discussion about the topic in the meeting that will be integrated into the minutes. If there is an action taken it will be recorded.

Unapproved minutes are circulated to committee members for their suggestions, clarifications, etc. in a timely manner, usually within two - three days following the meeting. As corrections are made it is noted as revision date(s) at the end of the document. A few days prior to the next meeting the corrected minutes are again e-mailed for members to review (the only exception being this meeting). There was agreement among the members that this method has been acceptable.

- Town Email Address

Steve Goldsmith had offered to be responsible for monitoring a town e-mail address. Alisa will clarify the address assigned.

- Up coming Sustainable Energy Resource Group (SERG) meeting

The Upper Valley Energy Committee Organizers and Friends will be Wednesday May 13 at Howe Library in Hanover from 5:30 - 8:30 PM with pizza offered (donations expected).

There will be a 1 - 2 minute period for Energy Committees and organizations to present their work in the past year. Topics to follow are transition towns, initiative to expand local food production and consumption, regional energy planning, municipal building inventorying and potential regional collaboration. Attendance of 1 - 2 people per Energy Committee with no more than 3 - 4 is suggested because of space limitations. Charlie is planning on attending.

- Cost of Energy Committee Supplies/donations

It was determined that members should present the amount of money they have spent on supplies (Light Board, bulbs, Kill A - Watt meters, Smart Strips) and estimated cost of donations such as time in committee efforts. The purpose is to document the data to support a request for a budget from Steve Schneider in the fall of the year for the following year.

V. Other Items

John noted that the Lebanon Co-op is accepting # 5 plastics for recycling. It was suggested that

one check out the information on the Co-op web site as there are some limitations.

Next meeting is scheduled for April 28, 5 PM, Whitney Hall Conference Room.

VI. Adjournment

The meeting was adjourned at 6:55 PM.

Respectfully submitted,
 Carol Lammert, Secretary
 March 26, 2009. Revised 4/3/'09, 4/28/'09, 4/29/'09

Attachment # 1 Building energy use submitted via e-mail from Charlie

Facility Name	Current rating	Current Energy Period Ending Date	Current Site Energy Intensity (kBtu/Sq. Ft.)	Current Source Energy Intensity (kBtu/Sq. Ft.)	Change from baseline in Energy Use Intensity (kBtu/Sq. Ft.)
Center Fire Station	NA	12/31/08	43.6	55	-17.8
Community Hall	NA	12/31/08	51	96	-7.1
Dept. Public Works	NA	12/31/08	46.1	80.9	10.2
Fast Squad	NA	12/31/08	92.2	132.7	-30.3
Police Facility	NA	12/31/08	117.9	278.1	-12.1
Shedd St. Garage	NA	12/31/08	28.5	33	-11
Village Fire Station	NA	12/31/08	65.3	101.2	8.6
Whitney Hall	NA	12/31/08	61.4	109.4	4.9

This is the Energy Star Portfolio Manager recap of town building energy use from all paid sources for '08. The baseline is the calendar year '07. Site Energy Intensity is the energy consumed on site. Source Energy Intensity is the energy consumed both on site and in conversion and delivery. Adjusted Energy Use Intensity allows for degree day fluctuations from

baseline plus other factors (yet undetermined). There seems to be overall improvement, except in the DPW, Village Fire Station and Whitney. The latter may reflect increased use of the theater. The Police Dept. still needs work to reduce electricity use. Charlie will be meeting with the building managers to discuss the results.