

## ENFIELD ENERGY COMMITTEE, MEETING MINUTES of August 25, 2009

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

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

DATE/TIME: August 25, 2009

LOCATION: Conference Room, 23 Main Street, Enfield New Hampshire

### I. Call to order 5:05 PM

In attendance: All committee members, Alisa Bonette, Charles DePuy, Steve Goldsmith, Carol Lammert, Rich Lammert, Bo Petersson, Wendell Smith, and Kim Quirk Guest, Enfield resident and potential committee member, Larry Battis

### II. Approval of minutes from July 28, 2009 meeting

Minutes were approved with one correction in wording.

### III. Public Comment

Larry offered several suggestions throughout the meeting, as reflected in these minutes.

### IV. Old Business

Point Persons Reports

Citizen Education - Kim

The committee will be represented at the Enfield Farmers' Market tomorrow with information on the committee's activities (street lighting survey, town government expenditures on energy and carbon footprint for 2008, anti-idling awareness endeavors and information on CFL light bulbs/LED's and Kill A Watt readings).

Energy Inventory and Building Efficiency - Charlie

Charlie offered a visual image of on his laptop showing the amount of energy used, the cost, and the carbon footprint of the town government's energy use for 2008. This data was derived at by using the Small Town Carbon Calculator available through Clean Air Cool Planet. This information included vehicular fuel use. He noted that this data was generalized and could not be directly compared to the previously used EPA data base.

In discussion Charlie stated that two buildings have used considerable energy in '08, especially the Fast Squad and DPW buildings. In discussion with Ken Daniels, Director of Public Works, it was learned that there have been an increased number of emergency calls and that garage doors have been left open while out on calls. Ken will confer with staff regarding this practice. It is assumed that there is a remote control for operating the doors. The committee agreed that the doors should be kept closed to both save energy and to maintain security of the facility.

There was a recent incident with the Community Building's Programmable Thermostat during a private event; the ambient temperature being high as the air conditioner override was turned off after 2 hours as programmed. This will be remedied by changing the program, increasing the re-set time to up to 5 hours. Seasonal changes for programmable thermostats is under the Public Works Department for town facilities other than the Police Department.

Committee members have expressed concern on idling by DPW vehicles observed this month at work sites. In a couple of locations trucks have been observed running for considerable time while workers are completing jobs. It has been speculated that the trucks remain idling possibly to keep strobe lights/flashing lights running. This may be a regulation to maintain the safety of workers, equipment and vehicular traffic. Members speculated how lights are powered, if lights are LED, if auxiliary batteries power the lights, etc. As well, while school is in session a Police car is kept running at the Mascoma School with lights on. The need to maintain safety of pedestrians and to caution traffic was acknowledged. Kim suggested that alternative methods to running vehicular engines for powering the lights of work trucks and police cars should be investigated. Steve will contact Ken Daniels and Police Chief Crate. Larry felt that presenting the annual cost for vehicular fuels, as tabulated by Charlie, should be included to verify the annual cost of vehicular fuel.

A building that has shown improvement is the Police Station that has reduced energy use. This positive change was attributed to Chief Crate's diligence in reminding staff to turn things (lights and equipment) off when no in use.

Charlie presented that Ken Daniels, requested that the Energy Committee revisit the September 1, 2008 National Grid study and proposal Application # 531269 for revisions in lighting at the DPW facility. (See November 2008 minutes, Town Energy Audit/Baseline consumption... ) for further details. It was noted that Alisa was instrumental in having this assessment started. The proposal was reviewed. There was mention of lighting revisions in all areas except the hall ways. The committee agreed that it would be appropriate to go forth with the plan with the addition of energy saving interventions for lighting of the internal hallways (currently the lights are on continuously with no mechanisms for switching them off). Suggestions offered by the committee included occupancy sensors in several locations within the hall. Steve moved that it be known that the Energy Committee strongly supports the National Grid proposal for improvements in lighting of the DPW, with a pay back in less than 3 years, with the additional modifications to the current hall lighting. The motion was seconded by Carol. It passed unanimously. Steve will write a letter to Ken Daniels. The initial funding mechanism is to be determined by Ken.

There was discussion on an e-mail sent to committee members from Alisa about a web cast tomorrow from the Upper Valley Lake Sunapee desecration Planning Commission. It is from the United States Department of Energy for state and local officials on revolving loan funds for energy efficiency and renewable energy projects regarding how to use funding from the 2009 Recovery Act. Bo will try to take in the web cast.

Kim requested that the committee generate a list/time line of activities that have resulted in reduction of energy use in order to demonstrate how the committee has been effective in reducing town government energy use in accord with the committee goals.

Regarding state NH HB 189 supporting town Energy Committees the interpretation of the power of a town energy committee is unclear at this point in time. Alisa will look into this.

Consumer Education - Idling Awareness, Farmer's Market - Carol

As noted above Charlie, Carol and Rich will participate in presenting information at a booth at the Farmers' Market tomorrow.

Steve had prepared a letter to the Select Board for their assistance and support for an anti-idling awareness campaign by the Energy Committee. The Select Board was asked for support and permission for posting signage on town property (the transfer station, Huse Memorial Park, and the Town Hall). The committee would also offer public education on this issue. Additional locations of interest are the Mascoma Savings Bank, the Post Office, Enfield Hardware and Enfield Village School. The included pictorials of potential signage were thought to be too demanding in nature. Steve will look for less direct signage. Steve moved that the letter on anti Idling Awareness be accepted, with modification of potential signage, and be sent to the Select board. The motion was seconded by Wendell. The motion passed unanimously.

Carol reported that she had contacted Enfield Village School principal, Mr. Benna, last week offering to provide age appropriate Department of Environmental Services hand outs to students/families and possibly assist with a class project on Idling Awareness.

Street lighting - Steve

Steve reported that he contacted National Grid personnel for current pricing on turning off street lights. The cost is \$50.00 per light that is fully depreciated. He noted that 90% of the town's street lights are fully depreciated. The company desires that decisions be definite prior to intervening to prohibit multiple turn off/ turn on work. One method of starting would be to do a small number of lights initially as a trail. Abutters would be contacted prior to turning lights off. It was suggested that prior to action that the public educational process include marking poles with green ribbons to indicate to the general public which lights are designated to be permanently turned off. Steve mentioned that permission from the electrical company is necessary before placing anything on a pole. Steve will confer with National Grid personnel.

The committee agreed that we need to move forward with this project. The initial inventory of the town street lights was started in November 2008. Lighting was reviewed this spring according to the committee's established criteria.

The criteria agreed upon at the May of 2009 meeting was reviewed. Wendell moved that the following street lighting criteria be accepted.

Street lighting at Intersections - street lighting to signal location at each intersection of major public roads with significant traffic

Street lighting at Sidewalks - lighting sufficient to illuminate sidewalks in densely populated areas with significant pedestrian movement, at cross walks, at businesses that stay open late and where hazardous for drivers or pedestrians

There shall be no wasted light. Each light will have no more than what is necessary to accomplish its purpose. There shall be no night sky illumination and no trespass.

Lighting should be energy efficient. New lights should be state of the art regarding lumens per watt, durable and require minimal maintenance.

There should be consistent lighting with type of street light, providing the same color throughout the town (except in the historic district).

The motion was seconded by Charlie. It passed unanimously.

Wendell moved that the current listing of street light modifications be adopted as the Committee's final draft. The motion was seconded by Charlie. The motion passed unanimously.

The next step for the committee is not yet determined. Precise location of street lights would be helpful. Kim will use a GPS locator for a small sample size to learn if geo coding is a possibility. She will add this information for the sample to the current street light list.

Charlie inquired if the committee should consider intersections in need of additional lighting. It was agreed that adding street lighting is also within the purview of the committee. Additions should be added to the bottom of the current list available at <http://spreadsheets.google.com/ccc?key=pu9VgE4KQzmZCC5qEnEK8NQ&inv=rflammert@aol.com&t+2958164762394757&guest>

It has come to the attention of the Energy Committee that there has been a request presented to the Select board that street lights along Route 4 near the Enfield Garage be paid for by the town, as recorded in the Select Board minutes of 8/3/'09. According to the Energy Committee these lights do not meet the criteria of the committee. The light at the intersection of Route 4 and Oak Grove currently does not light the intersection and needs to be redirected. As the committee is working toward decreasing street lighting the committee is opposed to the town paying for the other two lights. Lighting for the open area used for sobriety checks might be controlled with a switch rather than continuously lighting the area at night. Steve will draft a letter to be forwarded to Alisa before noon on September 4 to be distributed to Select board members prior to their September 8 meeting.

#### Town Outdoor lighting - Bo

Bo presented the proposal for modifications of outdoor lighting at the Veteran's Memorial Park and the in town bridges from Gary Hubbard, Energy Efficiency Program Manager, Leading Edge Design Group of Enfield. As an overview, it involves 4 display poles and 4 light poles at the Veteran's Memorial and 22 light poles on the bridges. As a bundled project the cost is \$19,400 with energy savings of 37000 KWh/year, an annual cost savings of \$5,100 and an estimated yearly maintenance savings of \$2,200; thus, pay back in less than 3 years. Bo is in favor of offering the two renovations together rather than as two projects in order to reach a quicker payback. The committee speculated on funding methods with the possibility of realizing 2009 Recovery Act money as a possibility. Bo will confer with Gary. Bo moved that the bundled Veteran's Memorial Park and town bridge outdoor lighting renovations, as proposed by Gary

Hubbard, with alternative funding, be presented to the Select board for approval. The motion was seconded by Rich. It passed unanimously.

#### Alternative Energy Sources - Wendell

Wendell noted that the use of a micro hydro turbine continues to be investigated.

#### Consulting Activities relative to town projects

Library - Bo no action A sign is posted at the back of the municipal parking lot.

#### Huse Park Renovations (lighting parking for mass transit) - Rich

Rich shared copies of the three concept drawings available at the Enfield town web site.

Reference was made to the discussion during the 8/3 Select board meeting, also available under meeting minutes. The committee supported the need for Park and Ride parking as a part of the committee's interest in cost savings and decreased pollution. Alisa presented that another option in Enfield is under consideration. She did explain that parking during rental of the Community Building for private activities can be an issue when non-paying vehicles occupy spaces. Options for parking with designated parking allocated for mass transit were considered in the three concepts. The committee also is interested in outdoor lighting plans which are not evident on the drawings. Members also spoke of the desire to make the town more pedestrian and bicycle friendly. Alisa offered that Jim Taylor, Community Development Director, is in charge of the TIF and encouraged members to communicate with him. His e-mail address is jtaylor@enfield.nh.us There will be more public discussions on the Huse Park renovations.

#### Town Dock - Wendell - No report

#### New Shaker Bridge lighting - Charlie

Charlie said that decorative lighting to match other town bridges in being considered. The posted drawing in the conference room was studied; lighting could not be defined. Safety concerns for pedestrians and night fishermen was noted. Use of low level lighting at the bridge surface, possibly solar powered, was favored. The current street lights on poles were considered unnecessary. The Energy Committee would like to be included in lighting issues with the new Shaker Bridge.

#### Transition Towns - Kim No report

#### V. Energy Committee membership

Larry agreed to volunteer to participate as the alternate committee member (following the resignation of John last month.) The members were impressed with the expertise that Larry has to offer and are most supportive of his joining the committee. The mechanism for how membership works was explained by Alisa. All of the committee members desire that Larry's nomination be approved, that he take the oath and be officially on board as soon as possible.

#### VI. New Business

Submission of information to area web site

Carol agreed to forward will Enfield Energy Committee updates on activities to the regional Clean Air Cool Planet web site. Monthly updates, at her desecration, according to meeting

minutes will be submitted.

VII. Other - none

VIII. Adjournment

The meeting was adjourned at 7:05 P. M.

Respectfully submitted,  
Carol Lammert, Secretary  
8/28/2009; revised 8/30