

**Sudbury, MA, Energy and Sustainability Green Ribbon Committee
Meeting Minutes October 25th, 2011**

OPENING:

The October 25th, 2011 meeting of Sudbury’s *Energy and Sustainability Green Ribbon Committee* was opened by Bill Braun at 7:35 p.m. in the DPW Building conference room.

ATTENDANCE:

Committee Members	Attending
Rami Alwan	X
William Braun – Chairman, Energy and Sustainability Green Ribbon Committee	X
Jennifer Dudgeon	X
Dean Holden	
Edward Lewis	X
Robert Morrison	X
Mark Sevier	X
Michael Melnick, Co-Chairman, Sudbury Permanent Building Committee	X
Building Inspector, Town of Sudbury	
James Kelly	X
Guests	

Agenda:

1. Membership
2. Green Communities status update
 - a. Existing grant fulfillment projects
 - b. New grant
 - a. Natatorium HVAC
 - b. LED streetlights
3. Fairbank solar follow-up/outreach
4. MAPC
 - a. Renewable energy site assessment
 - b. Wind research
 - c. Local energy action plan
5. Wind zoning
6. MEI status & re-categorization
7. Landfill
8. Approval of meeting minutes
9. Other business?

**Sudbury, MA, Energy and Sustainability Green Ribbon Committee
Meeting Minutes October 25th, 2011**

1. Membership

Two very strong candidates with relevant and useful skill sets have applied for the one open position on the Energy Committee. The Committee has decided to request approval to allow associate members on the committee so they both could serve.

ACTION: Bill to review with town Selectmen.

2. Green Communities Update

The Committee is focused on utilizing all the Green Community Grant funds for appropriate projects before year's end. The first priority is to complete existing grant projects; we also need to submit qualified projects to the state DOER for approval to use the un-deployed funds.

The committee feels that we had great success with the NSTAR lighting projects. These have been successfully implemented in the five SPS schools. User feedback has been positive, energy savings are strong with reasonable projected paybacks and NSTAR rebates have paid for, on average, over 40% of the projects' total costs. It is felt this combination of positive factors in addition to quality workmanship and well defined and executed project plans make these projects ideal for additional Green Community Grant funding.

Potential projects to utilize un-deployed Green Community Grant funds:

Project Description	Total Project Cost	NSTAR Rebate	GC Grant funding	Est. annual energy cost savings	Est. annual kWh savings
LSRHS - sports facility Lighting Retrofit	\$13,345	\$3,780	\$9,565	\$3,403	19,516
Fire Station #2 - Lighting Retrofit	\$3,458	\$1,378	\$2,080	\$793	5,667
Fire Station #3 - Lighting Retrofit	\$3,563	\$1,427	\$2,136	\$800	5,713
DPW - Lighting Retrofit			\$7,132		

ACTION: Ed to write up and request that MA DOER approve those projects for Green Community Grant funding.

**Sudbury, MA, Energy and Sustainability Green Ribbon Committee
Meeting Minutes October 25th, 2011**

Potential new Green Community Grant projects:

The Committee was tasked to bring forward high gain energy reduction projects to discuss for possible inclusion in the next round of GC grant applications.

- a. Fairbank HVAC – significant discussion revolved around the Fairbank Community Center pool building dehumidification & heat recovery make-up air unit. The existing unit has exceeded its useful operating life, is deteriorating, and has significant operational challenges. It is believed this is a large energy waster and replacing it will significantly decrease the FCC gas requirements. Engineering work for a replacement system is being quoted. The Committee believes this is a high gain project and accepts this for consideration for the next round of Green Community Grants.
- b. LED streetlights – MAPC is hosting a seminar to discuss a volume purchase program for communities to replace streetlights with LED's. Potential benefits include lower energy and maintenance costs and very long life. Jim to attend the seminar and report findings back to the committee for review.
- c. Additional control bus mapping work at the high school, along with replacing some obsolete equipment, are considered high gain projects that the committee will consider for the next round of Green Community Grants.
- d. Electric vehicle charging station at the Assabet River Wildlife Refuge – this was an informal request for consideration from personnel at the visitor's center - discussed and although an interesting idea it was determined to be outside the mission of the Energy Committee.
- e. Updating the library HVAC controls was also suggested for consideration – this will be discussed in more detail pending further review.

ACTION: Ed to contact DOER to request dates for the next round of Green Community grant applications and the evaluation criteria the state is using for these competitive grants.

3. EECBG (Fairbank Community Center Solar) update

Fairbank solar follow-up/outreach – the website that reports system performance is only partially operational (note – the solar thermal and PV arrays are operational and functioning well – this is just the web access for reporting on the operation of those systems.)

ACTION: Jim to follow-up with contractor to bring system up to full reporting capability.

**Sudbury, MA, Energy and Sustainability Green Ribbon Committee
Meeting Minutes October 25th, 2011**

4. MAPC

- a. Renewable energy site assessment – MAPC provided a consultant to review the Town’s closed and capped landfill for potential use to situate a large solar array there. The consultant and town / energy committee personnel toured the site and the final report is to be presented in early November.

ACTIONS: Bill to circulate preliminary report
Jim to attend presentation and review findings with the Committee

- b. Wind research – according to the wind maps Sudbury is not ideally located for significant electric generation from wind. MAPC is conducting a study to correlate actual performance of existing wind turbine installations with predicted performance from the wind maps. MAPC will share the findings with Sudbury.
- c. Local energy action plan – MAPC is providing assistance on community outreach for residential energy reduction. The committee soundly supports their work with Sustainable Sudbury in this venture.

5. Wind zoning

MAPC is also researching zoning ordinances for wind turbines and will generate a report on what type of zoning other communities have enacted to ensure ‘smart growth’ implementation. As previously noted, Sudbury does not appear to be an ideal location for significant wind generation with current technology.

6. MEI status & re-categorization

The committee continues to work on confirming the data sets in MassEnergyInsight are accurate. Several issues have been addressed and corrected, additional known issues include, lack of LSRHS data, some street light accounts are not included and data anomalies in FCC gas consumption.

ACTION: Rami to coordinate completion of the authorization forms to allow LSRHS data to be imported into MassEnergyInsight and reviewed by authorized personnel.
Jim/Bill/Ed – continue to work the data issues.

7. Landfill

The draft of the RFP for the landfill PPA is in process.

**Sudbury, MA, Energy and Sustainability Green Ribbon Committee
Meeting Minutes October 25th, 2011**

8. Approval of meeting minutes

Minutes from the October 6th meeting were unanimously approved.

9. Other business?

Noyes Elementary School – MSBA Green Repair Program:

The Noyes energy retrofit project is complete and operational. Project has been completed under budget and initial end user feedback is very positive.

Scheduled Energy Committee Meetings: (DPW Building Conference room - 7:30 p.m.)

- November 15th, 2011
- December 20th, 2011
- January 17th, 2012
- February 21st, 2012

Adjournment:

- The meeting was adjourned at approximately 9:05 p.m.

Minutes submitted by: Edward Lewis, October 27th, 2011