

**Sudbury, MA, Energy and Sustainability Green Ribbon Committee
Meeting Minutes March 19, 2013**

OPENING:

The March 19th, 2013 meeting of Sudbury's *Energy and Sustainability Green Ribbon Committee* was opened by Bill Braun at 7:33pm at the DPW Building.

ATTENDANCE:

Committee Members	Attending
Rami Alwan	X
William Braun – Chairman, Energy and Sustainability Committee	X
Edward Lewis	X
Joe Martino	X
Michael Melnick, Co-Chairman - Sudbury PBC	X
Robert Morrison	X
Kurt Reiss	X
Mark Sevier	X
Facilities Director, Town of Sudbury	
James Kelly	X
Guests	

AGENDA:

1. Landfill Solar Update
 - a. Pilot
 - b. DEP
 - c. Interconnect Agreement
 - d. Stormwater Permit
2. ERV Update
3. Police Station
4. ESCO Update
5. LED Streetlight
6. Gas Use Data – K. Reiss
7. Housing Authority Update – B. Morrison
8. Approval of meeting minutes
9. Other business?

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1. Landfill Solar PPA Update

The landfill solar PPA Site Plan was conditionally approved at the March 12th Selectmen's meeting. The approval is conditional based upon Ameresco meeting all the permitting and contractual obligations in the agreement.

- a. PILOT - FINCOM was presented and gave approval of the PILOT (Payment In Lieu Of Taxes) plan for the landfill PPA. This will provide an annual payment to the town from Ameresco. Final approval of this is in process with town officials.
- b. DEP - Progress continues on the permitting process. The town and Ameresco are working with the MA DEP to secure both the landfill Closure Permit and the Post Closure Use Permit. Approvals of both permits are expected in the next four weeks.
- c. Interconnect Agreement - The interconnect permit was fully executed, approved and a written copy has been received from NSTAR.
- d. Storm water permit - This permit is in process and anticipated to be completed and approved in the next four weeks.

The PPA project is on track to begin construction in the April/May timeframe and is targeted to be commissioned the end of June.

2. Atkinson HRV Update

The project to replace the Fairbank Center energy recovery make-up air unit has started and is progressing well. The new boilers have been installed and process piping and control work is underway. The target date for the start of the roof related work had to be rescheduled due to snow covering.

3. Police Station

The Energy Committee recommends the new Police Station be built to stretch code standards to ensure an energy efficient building. This would be Sudbury's first municipal building built to the stretch code.

A suggestion was made to investigate a variable refrigerant flow (VRF) heating / cooling system as this may be an energy efficient method to provide HVAC for the police stations unique operating conditions (i.e. significant year round heat generation from the 24x365 operation of 911 / dispatch computer systems). Utilization of a VRF system may allow waste heat from one area of the building to be utilized in other areas.

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4. ESCO Update

Investment Grade Audits (IGA) of Sudbury's municipal buildings are underway by Ameresco. These will provide in-depth engineering projects that are available to increase the energy efficiency and improve the conditions and / or operations of our municipal facilities.

Peregrine Energy Group has been retained to assist the town with evaluation of the IGA recommendations. This consulting work is being funded by a grant received by the town.

A draft warrant article has been submitted.

5. LED Streetlights

A suggestion was made to investigate installing LED streetlights in town. Potential methods include replacement of the half of the lights not replaced in 2010/11 upgrades or replacement of current lamps / fixtures as they fail.

Potential benefits include: lowered energy consumption, lower maintenance costs, and improved lighting.

Potential concerns include: actual lamp and fixture life, cost of lamps and fixtures, limited and unproven energy / cost savings and LED lighting characteristics.

Currently there is not a group consensus on the viability of LED streetlights for Sudbury so the committee agreed to continue to study options including potential rebate programs, alternative maintenance solutions, and other towns experience with conversion to LED streetlights.

6. Municipal Energy Use Data

Year over year gas and electricity consumption data for Sudbury's schools and municipal buildings was collated from the MEI data by Kurt, adjusted for degree days and reviewed by the committee. The addition of the electrical consumption data provided a more thorough energy profile of total energy utilization for each building and allowed for a more detailed review.

A couple data anomalies were uncovered, along with a least one incomplete data set.

Kurt has volunteered to investigate further for discussion of results at our next meeting.

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7. Housing Authority Update

Bob Morrison has been spearheading an effort to evaluate reducing electricity usage in the 64 housing authority apartments in Musketahquid Village. These units have baseboard electric heat that was installed when the units were constructed in 1976.

Currently under evaluation are air-source heat pumps and conversion to natural gas boiler plant(s). Utility rebates that could potentially help to fund any conversion are being investigated.

8. Approval of meeting minutes:

Minutes from the February 19th meeting were approved.

9. Other business:

Rami provided an update on the LSRHS solar canopy PPA project. There has been solid progress with the agreements being reviewed by all stakeholders and the PILOT approach has been approved by the School Committee.

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

- April 16th, 2013
- May 21st, 2013
- June 18th, 2013

Adjournment: The Energy Committee meeting was adjourned at 10:07 pm.

Minutes submitted by: Edward Lewis 21 March 2013