

**Sudbury, MA, Energy and Sustainability Committee  
Meeting Minutes February 15, 2017**

**OPENING:**

The February 15th, 2017 meeting of Sudbury’s *Energy and Sustainability Committee* was opened by Chairman Bill Braun at 6:35pm at the DPW Building conference room.

**ATTENDANCE:**

<b>Committee Members</b>	<b>Attending</b>
Rami Alwan	X
William Braun – Chairman, Energy and Sustainability Committee	X
Jim Cummings	X
Edward Lewis	X
Joe Martino	X
Robert Morrison	X
Kurt Reiss	X
Mark Sevier	X
<b>Facilities Director, Town of Sudbury</b>	
James Kelly	X
<b>Guests</b>	

**AGENDA:**

1. Review & Approve Annual Report
2. Green Community Grant Projects
  - a. Guardian Report
3. Solarize Initiative Update
4. Municipal Aggregation Update
5. PV – DPW
6. Approval of meeting minutes
7. Other business?

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**1) Review & Approve Annual Report**

The Sudbury Energy and Sustainability annual report was reviewed, revised and after approval from the entire Committee was submitted to the Town for inclusion into the Town Annual Report.

**2) Green Community Grant Projects & Process**

Significant discussion revolved around potential projects for 2017 Green Community competitive grants. Following are projects the Committee has preliminarily decided to include in this years' grant proposal.

It was discussed and decided by the Committee to include funds from the Solar Revolving fund (that have been designated for Town Energy Efficiency projects) on each project submitted in the grant. Inclusion of some Town funding on submitted projects is suggested by the DOER, and casts the projects in a much more favorable light in terms of securing State funding for them. With the State funding, the Town's contribution and the Utility incentives, Sudbury would be able to increase the number of projects undertaken, increasing the energy savings and further reducing our green house gas emissions.

**Ed L.** is leading the effort to assemble and submit the Green Community Grant assisted by the committee.

a. LED lighting upgrades.

Jim K. worked with Guardian Energy to get multiple proposals for interior LED lighting upgrades. LED lighting projects save significant energy and maintenance costs along with providing better lighting. The Committee discussed and voted unanimously to include all the following projects in our Green Communities Grant request.

Facility	Lighting project area(s)
Curtis Middle School	Gymnasium & library
Haynes School	Gymnasium
Loring School	Gymnasium
Nixon School	Gymnasium
Noyes School	Gymnasium
LSRHS	Auditorium and room A216

**Ed L.** to inputs costs / savings into the Green Communities grant spreadsheet and develop the narrative.

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b. Electric Vehicle

Requesting a grant for procurement of an electric vehicle (EV) and charging station received unanimous support from the Committee. Jim K. has reviewed with Town employees and there is support for use in the Inspections department, and their travel profile meshes well with the capabilities of existing EV's.

**Joe M. & Mark S.** are reviewing the State and Federal incentives in-depth and will provide the costs / savings and narrative for EV's and charging stations for the Green Communities grant.

c. Goodnow Library EMS

A proposal has been received outlining a significant upgrade of the control systems at the Library. This includes upgrading the Energy and Lighting Management Systems to provide optimized control of the lighting and the environment, and adding controls to upgrade the existing VAV boxes to DDC. This upgrade would save energy and provide better distribution of the heating and cooling within the Library.

**Bob M.** to evaluate the proposal, review the Library systems and develop savings calculations / narrative for submission for a Green Community Grant.

d. School envelope improvements:

Guardian has provided a proposal for additional air sealing and insulation improvements that could save significant energy at Curtis and Noyes.

**Ed L.** to inputs costs / savings into the Green Communities grant spreadsheet and develop the narrative.

e. Refrigeration improvements:

The Curtis and Noyes schools have older walk-in refrigeration units. There are new controls / fan motors available that can lead to significant energy savings.

**Ed L.** to inputs costs / savings into the Green Communities grant spreadsheet and develop the narrative.

f. Variable Frequency Drives for air handling units at Haynes and Nixon schools:

**Joe K.** to provide information on drives that could potentially be replaced with energy saving VFD's.

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**3. Solarize 2017**

The Mass Clean Energy Center has partnered with the Department of Energy Resources to offer another round of Solarize MA for 2017. Previous programs have been very successful with over 3,000 Mass residences installing over 20 megawatts of capacity in 50+ communities. Sudbury successfully participated in a previous Solarize program and the Committee voted unanimously to participate in this program.

**Bob M.** is leading this effort and is attending meetings with potential program co-participants, Wayland, Lincoln and Natick.

**4. Municipal Aggregation Agreement**

Sudbury, along with Arlington and Somerville participated in the Metropolitan Area Planning Council (MAPC) collective competitive procurement for purchasing residential electrical power under an aggregation plan.

After an exhaustive evaluation, following all applicable state procurement guidelines, the MAPC committee chose Good Energy as the Aggregation Consultant as they were the most advantageous bidder in terms of technical quality and competence, experience and pricing.

At Town Meeting Sudbury residents approved going forward to offer the aggregation plan for electrical supply to the town households and small businesses.

A Department of Public Utilities (Mass DPU) hearing was held where Mass State approval for Sudbury, Arlington, Somerville and Winchester's residential aggregation programs was requested. The DPU has requested some follow-up, this is in process.

Once approval is granted, Good Energy, Rami and the Energy Committee will develop materials for the request for bid from electrical suppliers. Good Energy has suggested releasing the Request for Bids in spring for the most advantageous overall pricing and terms.

A suggestion has been made to have a sub-committee of the Energy Committee, along with the Town, evaluate the bids to determine the most advantageous overall proposal.

The Committee's general recommendation is to offer a two tiered approach, the first or base offering would include more Green Power than is currently included in Eversource supply. This would include more additionality (inclusion of Class 1 RECs (renewable energy generated in Massachusetts)) along with a competitive price. The second tier would offer power with an even Greener component (i.e. a larger percentage of power sourced from Green renewable energy.) This would give Sudbury residents the option of a base power contract which would be greener than current Eversource supply and they would have the option to go even greener for a slight cost increase. Either of these options would decrease Sudbury's carbon footprint.

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The Municipal Aggregation program is optional; residents can opt out at any point penalty free.

**5. PV – DPW**

The Committee is investigating installing a Solar PV array on the DPW building roof to increase Sudbury’s renewable energy generation. Preliminary evaluation by Solect Energy shows the site has potential with a good solar window.

Structural and electrical engineers reviewed the DPW site and, although some challenges are present, no fatal flaws were found.

Solect Energy will provide a preliminary proposal for a PPA agreement for review.

**6) Approval of Meeting Minutes:**

Minutes from the February 1<sup>st</sup>, meeting were approved.

**8) Other Business?**

**Scheduled Energy Committee Meetings:** (DPW Building conference room– 6:30 p.m.)

The public is welcome at all meetings. Please note the time change for all meetings and date change for the February meeting.

March 1<sup>st</sup> at 6:30pm

April 19<sup>th</sup> at 6:30pm (April vacation – consider rescheduling)

May 17<sup>th</sup> at 6:30pm

**Adjournment:** The Energy Committee meeting was adjourned at 8:28pm.

*Minutes submitted by: Edward Lewis, February 27, 2017*