

Town of Harvard Energy Advisory Committee

BRIAN SMITH - CHAIR

ERIC BROADBENT - VICE CHAIR

DAVID FAY

STEVE MATSON

CHRIS ROY

ASSOCIATE MEMBERS:

STUDENT MEMBER:

LIAISONS:

FORREST HODGKINS

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STU SKLAR, BOARD OF SELECTMEN

BOB SULLEBARGER, SCHOOL COMMITTEE

PAT WENGER, CAPITAL PLANNING

DON LUDWIG, FINANCE COMMITTEE

Meeting Minutes 2/25/15

Attendees: B. Smith, E. Broadbent, D. Fay, S. Matson, C. Roy

Location: HES Library 8 PM

	Meeting Discussion/Status
Minutes; Membership	The minutes of Feb 11 2015 were approved 5-0.
Town Energy Project Updates	<ol style="list-style-type: none"> 1. Green Community Spring 2015 Grant Application: Bromfield hall lighting, Peregrine Monitoring (HES, Bromfield and Library), Hildreth House HVAC (Furnace and On Demand Water Heater). Other possibilities: Library lighting, DPW lighting, Police lighting, Electric vehicle/Charging Station, Energy Manager. Also we proposed to fund a 10% allocation for Admin. Ensure BOS confirms final project list. The DOER application requirements were reviewed. The Deadline for the Spring grant round is 3/27/15. Plan to review a draft application at the next meeting. Action: Brian contact Pete Jackson to determine if the lighting project should be considered at the Library. Action: Brian contact Guardian to provide the information needed for the narrative. Action: Steve follow up with Guardian to obtain the Hildreth House quote. Action: David to request Peregrine to provide the narrative information and verify if the three buildings should be presented as one project or three projects. 2. Annual Green Community report – Brian obtained confirmation from DOER that there were no comments on the 2014 Annual Report and therefore we can qualify for the Spring grant. 3. Library VSD Project – At the start of the heating system it was discovered that the settings and controls were not correct for both sets of VFDs and this claim is being reviewed with ATC (installer of the VFDs) and Honeywell (interface with BAS). – Confirmed that the system is running as designed. 4. Net Metering Agreement – HEAC will play a support role <ol style="list-style-type: none"> a. HEAC and the Town have been contacted or aware of three possible agreements: Borrego Solar (825k, 2% escalation); Syncarpha (provides option); Sunray Power (20% credit off NGrid but small 325k). HEAC will play a support role to Tim Bragan making a recommendation. We need to limit what we pay for credits, ensure the “floor” is acceptable and ensure that change in law provisions is satisfactory. b. Subcommittee – Steve is leading a subcommittee including Chris and Malcolm Carley to review the options identified above. 5. Energy Usage Report – Brian to create update for report to Town Committees. TBD
Schools	<ol style="list-style-type: none"> 1. Bromfield Roof Solar PPA – Brightergy Solar – An audit is set up for Jan 28 between Mark Force, and Brightergy (Craig Dwyer in Sales and an auditor). Since the Town electric supply contract ends after the end of 2016, Brightergy will need an agreement that the contract would be modified to allow the supply from the solar panels if they were to proceed by the end of 2016 to take advantage of the federal incentives. – Status – Meeting postponed due to the snow. 2. Peregrine Energy project – Analyze electrical circuit monitoring and building management system trend logs and then make recommendations to improve

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	<p>energy performance. This is a one year project with approximately a 3 year payback. – David to review proposal and identify extra costs with Peregrine.</p>
<p>Bromfield School Monitoring</p>	<p>Cadmus Group monitoring of building climate using instrumentation provided by Onset Corporation: Actions 1. Data Download from sensors – David, Steve and Sofia are reviewing data downloaded from the sensors which is primarily consistent with the survey results. They need to meet with Mark Force. – Meeting pending 2. Survey –Sofia is sending out a Survey Monkey update to the Energy survey to the school staff, providing updates and asking for saving opportunities. – no update</p>
<p>Misc Projects</p>	<p>1. Demand Response / Peak Shaving – Peak shaving to reduce the peak load that the electric rate is based on. Demand response to reduce load when needed by the utility for an incentive. Chris Roy will investigate this initiative with National Grid. Determine if we should subscribe to Utility provided usage data. –Chris will review whether there is any way with or without National Grid that the user can cut back usage with controls or behavior to help with peak shaving or demand response. – Status: No change 2. Electric Vehicle Charging Station – We discussed the DOER incentive program for an electric vehicle (BEV \$7500, Plug-in hybrid \$5000) and Charging Station (\$7500). Status: No change a. The fast charging grant is not possible at this time. b. Eric to create a survey to assess community interest. – Eric presented a draft two part survey about the need and interest for an electric vehicle. Feedback was provided about the questions. After discussion about the lack of a good opportunity to replace a current vehicle with an electric vehicle it was decided that the survey will not be issued at this time. Eric will ask the EDC if there is any interest in the business community. c. Eric to determine if candidate for GC funds. – This project will not be included in the GC grant. 3. Municipal Aggregation Steve discussed a program brought up by Tim Bragan to be considered for electric supply. There are two forms. One is Municipal Public aggregation and the other is Market aggregation relying on the large buying power of a member pool. – No update</p>