

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
 SOFIA CATALINA
 STU SKLAR, BOARD OF SELECTMEN
 BOB SULLEBARGER, SCHOOL COMMITTEE
 PAT WENGER, CAPITAL PLANNING
 DON LUDWIG, FINANCE COMMITTEE

Meeting Minutes 3/11/15

Attendees: B. Smith, E. Broadbent, D. Fay, S. Matson, F. Hodgkins

Location: HES Library 8 PM

Meeting Discussion/Status	
Minutes; Membership	The minutes of Feb 25 2015 were approved 3-0 (Fay, Matson, Smith)
Town Energy Project Updates	<p>1. Green Community Spring 2015 Grant Application: Bromfield hall lighting, Peregrine Monitoring (HES, Bromfield and Library), Library lighting, DPW lighting, Police lighting. The Deadline for the Spring grant round is 3/27/15.</p> <ul style="list-style-type: none"> a. On 3/2 Guardian performed a lighting audit of the Library and will provide a proposal for replacing the recessed cans with LED. b. Hildreth House HVAC (Furnace and On Demand Water Heater) – The quote was received and evaluated by Steve. It was discussed that the payback may not make sense for the furnace and therefore we do not plan to include with the grant application. The water heater is definitely not worth the payback. c. Energy Manager – this will not be part of the application because of the reliance on a position or resource that does not exist or can be approved in Town at this time. d. Electric vehicle/Charging Station – this will not be included because there is no justification for a vehicle purchase that is required. e. Also we proposed to fund a 10% allocation for Admin. <p>Action: Brian contact Guardian to provide the information needed for the narrative and table. Action: David to request Peregrine to provide the information needed for the narrative and table. (Project is for electrical circuit monitoring and building management system trend logs and recommendations to improve energy performance. This is a one year project with approximately a 3 year payback.) Action: Eric to determine if Building Operator Certification would be supported by Mark Force and the School Committee for addition to the application. Action: Brian to notify Stu Sklar and Tim Bragan of the pending application to determine if there is any required additional review or approval.</p> <p>2. Net Metering Agreement – HEAC will play a support role</p> <ul 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. The group met last week. <p>3. Energy Usage Report – Brian to create update for report to Town Committees. TBD</p>

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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.
Bromfield School Monitoring	<p>Cadmus Group monitoring of building climate using instrumentation provided by Onset Corporation:</p> <p>Actions</p> <ol style="list-style-type: none"> 1. Data Download from sensors – David, Steve and Sofia are reviewing data downloaded from the sensors which is primarily consistent with the survey results. – Meeting held with Mark Force – 21 sensors moved. 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
Misc Projects	<ol style="list-style-type: none"> 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