

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 1/28/15

Attendees: B. Smith, E. Broadbent, D. Fay, S. Matson, B, Sullebarger (School Committee)

Location: Old Library 8 PM

	Meeting Discussion/Status
Minutes; Membership	The minutes of Jan 14 2015 were approved 4-0.
Town Energy Project Updates	<ol style="list-style-type: none"> 1. Capital Projects for FY16 considered for GC funds: Bromfield exterior and hall lighting projects, Peregrine Monitoring and Hildreth House HVAC. Other possibilities: Library lighting, DPW lighting, Police lighting, Electric vehicle/Charging Station. 2. Hildreth House – Steve will obtain a quote from Guardian for the boiler replacement and an on-demand water heater. 3. Annual Green Community report – Brian to compile all input and submit report by Friday. 4. 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). – No status update. 5. Net Metering Agreement – HEAC will play a support role <ol style="list-style-type: none"> a. Steve to verify with Tim B. that we are free and clear of the Soltas agreement. b. For the Soltas agreement, it has been verified that there are no payment made by Lorraine and the credits are net zero. c. 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. 6. 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 – Brian to confirm if meeting took place. 2. Peregrine Energy project – Analyze electrical circuit monitoring and building management system trend logs and then make recommendations to improve energy performance. This is a one year project with approximately a 3 year payback. – Brian to discuss with Mark Force to address concerns and set up meeting with Peregrine. 3. Bromfield Exterior Lighting – Guardian project. – this is part of the school’s capital plan and is expected to be an article at Town Meeting. - Confirmed
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. Some sensors will be relocated. The sensors are

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	<p>primarily consistent with the survey results. Preliminary review suggests that there is an issue with control of equipment, but we need to discuss with Mark Force's staff to confirm.</p> <p>2. Survey – Sofia will email teachers to request an update on the climate in their classrooms.</p>
Misc Projects	<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. –Status: 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. – No change</p> <p>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</p> <ol style="list-style-type: none"> a. The fast charging grant is not possible at this time. b. Eric to create a survey to assess community interest. c. Eric to determine if candidate for GC funds.