

# 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 4/22/15

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

Location: Bromfield School Library 8 PM

	<b>Meeting Discussion/Status</b>
Minutes; Membership	The minutes of April 8, 2015 were approved 5-0.
Town Energy Project Updates	<p>1. Green Community Spring 2015 Grant Application: The Projects submitted at end of March are pending approval noted as follows:</p> <ul style="list-style-type: none"> <li>a. Hildreth House HVAC - The project includes a new AC condenser using the existing ducts. The project will require a detail review if approved.</li> <li>b. Peregrine Schools and Library Retrocommissioning – includes contingency repairs.</li> <li>c. Bromfield Hallway Lighting – The initial project for occupancy sensors was changed to LED replacement.</li> <li>d. Bromfield Exterior Lighting</li> <li>e. Building Operator Certification – This is to be for a member of the Schools Facility staff. Note that Mark Force is already certified Level 1.</li> <li>f. Admin Fee – If awarded, a Town employee such as a part time planner would be a good candidate to perform this function.</li> </ul> <p>Status – no response yet.</p> <p>2. Net Metering Agreement – HEAC will play a support role</p> <ul style="list-style-type: none"> <li>a. HEAC and the Town have been contacted or aware of three possible agreements: Borrego Solar (825k, 2% escalation); Syncarpha (provides option).</li> <li>b. Subcommittee – The current plan is one of watchful waiting until the end of 2015. Steve will notify Tim B that HEAC is unlikely to find an attractive agreement this year.</li> <li>c. Another option is roof mounted PPA in or out of Town.</li> </ul> <p>3. Energy Usage Report – <b>Brian to create update for report to Town Committees. TBD</b></p>
Schools	<p>1. Bromfield Roof Solar PPA – Brightergy Solar – The site meeting was held at Bromfield between School Facilities and Brightergy (Craig Dwyer in Sales and an auditor). Brightergy considers the roof acceptable subject to structural analysis if awarded the project. Brightergy provided a bid template to use for the School Committee to go out for bid as a Request for Qualifications.</p> <ul style="list-style-type: none"> <li>a. <b>Brian to ask Lorraine for advice on the RFQ/RFP process and whether we need to go out for bid.</b></li> <li>b. <b>Eric to ask Mark F / Gabe V for input.</b></li> </ul>
Bromfield School Monitoring	<p>Cadmus Group monitoring of building climate using instrumentation provided by Onset Corporation:</p> <p><b>Actions</b></p> <p>1. <b>Data Download from sensors</b> – David, Steve and Sofia are reviewing data downloaded from the sensors which is primarily consistent with the survey results. – <b>Data downloaded from 21 sensors. Plan to download data at end of school year.</b></p>

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	<p><b>2. Survey</b> –Sofia is sending out a Survey Monkey update to the Energy survey to the school staff, providing updates and asking for saving opportunities. – <b>Minimal response, feedback addressed in sensor placement.</b></p>
Misc Projects	<p><b>1. Demand Response / Peak Shaving</b> – 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. – <b>Status: No change</b></p>