

Town of Harvard Energy Advisory Committee

BRIAN SMITH - CHAIR

ASSOCIATE MEMBERS:

FORREST HODGKINS

ERIC BROADBENT - VICE CHAIR

JIM ELKIND

STUDENT MEMBER:

SOFIA CATALINA

DAVID FAY

LIAISONS:

STU SKLAR, BOARD OF SELECTMEN

STEVE MATSON

BOB SULLEBARGER, SCHOOL COMMITTEE

CHRIS ROY

PAT WENGER, CAPITAL PLANNING

DON LUDWIG, FINANCE COMMITTEE

Meeting Minutes 1/14/15

Attendees: B. Smith, E. Broadbent, D. Fay, S. Matson, C. Roy, S. Catalina, F. Hodgkins
B, Sullebarger (School Committee)

Location: Old Library 8 PM

	Meeting Discussion/Status
Minutes; Membership	The minutes of Dec 10 2014 were approved 5-0. Brian noted that Jim Elkind resigned from the committee on Jan 14, 2015. Note that HEAC is not submitting any articles for Town Meeting.
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. 2. Hildreth House – Steve discussed the project with Guardian and BE Retrofit. The weatherization project is not feasible due to the moisture concerns in the basement. Steve indicated that the current renovation plans do not change the need to replace the boiler for the current space. Steve will obtain a quote for the boiler replacement. 3. Annual Green Community report – Steve completed the tabulation of the vehicle inventory after working with the Police, Fire and DPW departments. Chris obtained updated information from Gabe Vellante on the Stretch Code projects but is trying to verify that all necessary projects are reported and fill in missing data such as HERS rating. Brian is working to complete the data and project sections. Also, Eric is trying to obtain actual electric generated from the HES Solar array. 4. Library Lighting – On hold pending feedback from Pete Jackson testing some LED options. 5. 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. 6. Net Metering Agreement – The Soltus agreement is supposed to be terminated. Steve will check with Jim Elkind to confirm status with Tim Bragan. The consensus is that we should be open to new agreements and need to ensure the Soltus agreement is terminated. 7. Energy Usage Report – Brian to create update for report to Town Committees.
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. 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.

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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 have downloaded data from 84 out of 87 sensors. The data is being reviewed and analyzed. 2. Survey – Sofia will email teachers to request an update on the climate in their classrooms.
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. –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. 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: <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.