

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
CHRIS ROY		PAT WENGER, CAPITAL PLANNING
		DON LUDWIG, FINANCE COMMITTEE

Meeting Minutes 12/10/14

Attendees: B. Smith, D. Fay, S. Matson, C. Roy, S. Catalina
P. Wenger (School Committee – present part time)

Location: Old Library 8 PM

	Meeting Discussion/Status
Minutes; Membership	The minutes of Nov 12 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 and weatherization. The Hildreth House project requires a conference call with Guardian and BE Retrofit to discuss concerns about basement moisture and insulation. – Steve will arrange with Guardian. 2. Annual Green Community report – Steve and Chris will assist Brian with sections of the annual report. Steve will provide updated vehicle data and Chris will provide updated Stretch Code data. 3. Library Lighting – On hold pending feedback from Pete Jackson testing some LED options. 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 known.
Schools	<ol style="list-style-type: none"> 1. Schools Roof Solar – Brightergy Solar – This is a company that focuses on school roof solar PPA projects and has approached Harvard. Brian discussed with Brightergy that audit is limited to solar installation and they will contact Mark Force to coordinate. – Update – Brightergy will follow up with the on site audit and wants to know the expiration of the Town electric supply contract. Since it ends after the end of 2016, they 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 – Peregrine submitted a proposal on August 12 to 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. – Status- The Capital Committee rejected the consideration of this project due to its late submittal. Since it is an unlikely candidate for capital project funding, HEAC planned on funding this through Green Community funds or other grants. Pat W offered that the project be reviewed in detail in January to get buy-in from Mark Force and then review funding alternatives. 3. Bromfield Exterior Lighting – Guardian project. Status- This project was presented to the Capital Committee and is considered part of the Schools capital plan and will be vetted with other capital projects for the Schools. 4. Bromfield Hallway Lighting Project – Guardian project. Status- This project was not considered by the Capital Committee and therefore will be considered for Green Community funds or future capital projects.
Bromfield School	Cadmus Group monitoring of building climate using instrumentation provided by Onset Corporation:

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Monitoring	<p>Actions</p> <ol style="list-style-type: none"> 1. Sofia will provide the completed spreadsheet of instruments and locations. The plan is to download data in January. The process of confirming all locations and that sensors are operational as well as finding missing sensors is complete. 2. Communicate to Bromfield Staff - objectives of the effort and follow up to the survey. – Complete. Reports are that many teachers are happy to see this project in action.
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 confirmed with Mark Force that the emergency generator does not have enough power to be used for this purpose. Therefore demand response using the generator is not feasible. However, 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). Eric created a draft survey to determine if there is demand and interest in the Town to justify pursuit of this project and review state incentive programs – Status: No update.