

# Town of Harvard Energy Advisory Committee

BRIAN SMITH – CHAIR  
ERIC BROADBENT – VICE CHAIR  
DAVID FAY  
PAUL GREEN  
FORREST HODGKINS  
CHRIS ROY

ASSOCIATE MEMBERS:  
STUDENT MEMBER:  
LIAISONS:

ELLEN SACHS-LEICHER  
OPEN  
KARA MINAR, SELECT BOARD  
JOHN RUARK, SCHOOL COMMITTEE  
SUSANMARY REDINGER, CAPITAL PLANNING  
CHARLES OLIVER, FINANCE COMMITTEE

## Meeting Minutes 1/9/19

Attendees: B. Smith, E. Broadbent, D. Fay, F. Hodgkins, E. Sachs-Leicher

Location: Town Hall Volunteer Government Room 8 PM

	Meeting Discussion/Status
Admin	<b>The minutes of 12/11/18 were voted on and approved 4-0.</b>
Energy Policy	<ol style="list-style-type: none"> <li>1. Town Energy Policy Subcommittee – Leader: Paul Green. The plan for Town approval of a policy and action plan at a Town Meeting (Spring 2019 or 2020) is to be reviewed. Paul prepared a Consider This article for HEAC review <b>at a future meeting.</b></li> <li>2. MVP Resilience Subcommittee (Municipal Vulnerability Preparedness program assessment and planning) - Harvard was awarded \$15k year FY19 and \$20k FY20. Ag Survey <b>was issued. Ag day workshop planned for Feb 2.</b></li> </ol>
Town Energy Project Updates	<ol style="list-style-type: none"> <li>1. 2017 Green Community Grant Projects: –Schedule deadline Dec 2018. Contract Deadline May 31, 2019.</li> <li>2. BAS Programming – David to arrange with Jon Snyder and BCM – <b>Programming started, commitment is to complete 1/28.</b></li> <li>3. <b>Peregrine Retro-commissioning - project may be able to be done after the BAS programming is done by BCM.</b></li> <li>4. GC Admin <ol style="list-style-type: none"> <li>a. Final Report – Brian to arrange with Town Employee, <b>possibly Liz Allard.</b></li> </ol> </li> <li>5. GC Projects – Propose for 2019 Application <ol style="list-style-type: none"> <li>a. <b>MRPC Assistance – Brian to contact Karen Chapman – can they assist in Harvard's application?</b></li> <li>b. Main and Still River Fire Stations – Northern Energy / BE Retrofit quote rcvd Nov 5. RISE – <b>proposal for garage doors rcvd Nov 20 to be implemented by Tim Kilhart outside of Green Community grant.</b></li> <li>c. Old Library – Insulation – Attic and Roof - RISE Audit completed 10/12. <b>RISE submitted proposal 12/21 but not sufficient savings for an adequate payback.</b></li> <li>d. Lighting – Old Library, Main Library – EMC Audited. – <b>Old and New Library proposal rcvd 12/27.</b></li> <li>e. Lighting at Bromfield School - to be audited separately by EMC Dec 12. There is one pole light, several can lights, and misc hallway lighting that need to be done. <b>Proposal pending.</b></li> <li>f. Building Operator Training for Jon Snyder – Jon is interested in taking this training if approved and considers that he will have the support of Linda Dwight.</li> </ol> </li> </ol>
Schools Evaluation with Jon Snyder	<ol style="list-style-type: none"> <li>1. Overall there is a lot of equipment that is malfunctioning and needs to be repaired. This contributes to the overheating and inadequate control. Jon is evaluating sources that can perform a whole building assessment and then develop a plan to address repair and opportunities identified. <ol style="list-style-type: none"> <li>a. Heat Control Valves – either the controls or the valve function needs repair.</li> <li>b. Boiler – change 2 position to variable gas valve. Buderus display not working. Replace controls?</li> <li>c. Indirect water heater on hold.</li> <li>d. Rooftop Units – freezing coils prevents lower setback temperature. This</li> </ol> </li> </ol>

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	will require a significant effort to troubleshoot.
Misc Projects	<p><b>2.</b> Community Choice Aggregation (CCA) Plan for BOS – Leader- Chris – Eric. Actions:</p> <ul style="list-style-type: none"> <li>a. Approved at Town Meeting 10/24/16. Remaining Actions: <ul style="list-style-type: none"> <li>i. Step 5 – DPU review and approve plan (submitted 7/31/18) - 6 months</li> <li>ii. Step 6 – Broker develop customized plan with HEAC.</li> <li>iii. Step 7 – SB approved customized plan.</li> </ul> </li> <li>b. Contract between Town and Colonial Power Group broker was signed week of 6/5/18. The public notice hearing occurred Nov 7 in Boston.</li> <li>c. Survey – Eric to review comments on the latest draft survey with Ellen and Brian. <b>Reviewed on 1/9.</b> The survey should be issued asap due to expected program approval in Jan 2019.</li> </ul> <p><b>3.</b> CPIC Projects – pending proposals for TBS, Library, HCC, Fire Stations.</p> <p><b>4.</b> DOE NGRID Shines Sundial Project – Eric received an update from Jim Boch @ IPKeys. All equipment is active. Project is in phase 3 tweaking the Temp vs. AC Load model to match actual results. The first peak avoidance time period the system will be used for is summer 2019. Project completes Fall 2019; Equipment will remain and we can enroll in the NGRID program and receive money for participating.</p> <p><b>5.</b> HES School Project – David provided an agenda for a meeting with the Owner Project Manager NV5 and the Architects primarily about the energy performance of the building and HVAC system operation and maintenance. Meeting to be scheduled – TBD in Jan.</p> <p><b>6.</b> HES Solar Panels – The School Committee asked about the plan for the solar array (~6kw). Preference is to transfer them to Town building/property. (e.g., track building, sewer station, Bromfield). <b>Eric obtained quote from Ostrow Electric \$4300</b> to remove them from the roof.</p> <p><b>7. HEAC invited to attend a Feb Select Board meeting – good to invite entire committee.</b></p>
	<b>Meeting adjourned 9:30 pm.</b>
Future Meetings	<p>2019 – 1/23, 2/13, 2/27</p> <p>HEAC Meeting Location/Time: Volunteer Government Room, Town Hall 8 pm.</p>