

# Town of Harvard Energy Advisory Committee

BRIAN SMITH – CHAIR  
DAVID FAY  
PAUL GREEN  
FORREST HODGKINS  
ELLEN SACHS-LEICHER

ASSOCIATE MEMBERS:  
STUDENT MEMBER:  
LIAISONS:

PETER KELLY-JOSEPH  
OPEN  
KARA MINAR, SELECT BOARD  
SUSANMARY REDINGER, SCHOOL COMMITTEE  
SUSANMARY REDINGER, CAPITAL PLANNING  
TBD, FINANCE COMMITTEE

## Meeting Minutes 3/10/21

Attendees: B. Smith, D. Fay, F. Hodgkins, P. Green, E. Sachs-Leicher, Peter Kelly-Joseph  
Kara Minar, SusanMary Redinger(PT)  
Chris Collins ECI, Green Team: Joshua Clarke (advisor), Lena Aloise, Ayla DeCoste,  
Annabelle Purcell

Location: **This Meeting was held virtually in accordance with the Governor's Executive Order Suspending Certain Provisions of the Open Meeting Law, G.L.c.30A. S.20.;**  
**Zoom Meeting ID: 849 3799 2678**

	Meeting Discussion/Status
Admin	1. The minutes of 2/11/21 were approved 5-0 without comment.
Schools	<ol style="list-style-type: none"> <li>HES Existing Solar Panels ~6kW – The panels were auctioned on <a href="http://govdeals.com">govdeals.com</a>; pickup required by April.</li> <li>HES Solar ~245 kW Behind the Meter project earliest June 2021– <ol style="list-style-type: none"> <li>Interconnect Application – Pending approval by NGRID.</li> <li>Lease Agreement – The Town Meeting article was approved by the Select Board.</li> </ol> </li> <li>Anti-Idling Campaign – Green Team has created signs to be printed at the schools (TBS) to discourage idling during drop-off and pick-up times. They have a low-cost source to print the signs and are interested in finding a funding source, including applying for grants.</li> </ol>
Town Energy Project Updates	<ol style="list-style-type: none"> <li>Green Community Program <ol style="list-style-type: none"> <li>GC2021 Spring Competitive grant application due April 9 (rebate applications will also be sent to NGRID to lock in incentives); <b>DOER evaluates by aggregate project savings instead of picking individual projects; \$200k max funding</b> –Energy Conservation Inc. is reviewing opportunities. <ol style="list-style-type: none"> <li>Bromfield Transformers – <b>high efficiency/re-sizing –Proposal received.</b></li> <li>Library Weatherization - insulation opportunities are limited to Library attic spaces; <b>proposal received during the meeting. The Library proposal will be reduced to under \$100k.</b></li> <li>Bromfield Weatherization – mainly air sealing, door sweeps;. – <b>proposal received during the meeting.</b></li> <li>Bromfield Mechanical/Electrical – <b>ECI proposed</b> small 3-5 hp VFDs and high efficiency motors for the air handling systems.</li> <li>SiteSage software extension (~\$5k for 3 years) – evaluate whether to extend for TBS and the Library. We would need to estimate the savings to qualify for GC funds.</li> <li><b>TBS Court Lighting – replace with LED for energy and maintenance savings.</b></li> <li><b>Fire Dept and Police Dept lighting.</b></li> <li><b>Pond Pump – 3 phase power or disconnect</b></li> </ol> </li> </ol> </li> <li>Library Energy Use Review –Forrest explained he is working with Pete Jackson to evaluate BMS data for the Air Handling Unit. Also, he is evaluating whether to continue the SiteSage software. – <b>no update</b></li> <li>Charging Station – HEAC is working with ECI to evaluate charging stations at five locations:</li> </ol>

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	<ul style="list-style-type: none"> <li>a. HES – Brian to provide background and drawings to ECI for review. - <b>provided</b></li> <li>b. Library – Brian has discussed with the Library Trustees.</li> <li>c. Bromfield – <b>The results of the Green Team survey issued to students and staff about electric car demand was discussed. There is good support with several respondents considering a purchase within 5 years..</b></li> <li>d. <b>The Town locations above and the Town Hall and General Store proposed by ECI will be discussed at the Select Board meeting on 3/16.</b> The MA state EVIP program should provide 100% of the funds required for the equipment and installation. There is a new program for a Fast-Charging station which requires a larger footprint and additional equipment.</li> </ul> <p>5. Streetlights – Conversion to LED. There are 44 streetlights eligible to be replaced saving up to \$1600 a year and a one-time \$3400 bonus. There are 4000K fixtures available now and 3000K in the future; the SB indicated a desire for the warmer 3000K lights. Discussion points are the light color/brightness level, exempting antique fixtures, or exempting specific locations. NGRID will send a list of the locations - <b>received</b>. HEAC to prepare a proposal by fixture. – <b>Current thought is to wait for the 3000K lights. NGRID does not have LED replacements for the antique lights. There will be a review of all locations – some may be on private parking lots.</b></p> <p>6. Solar strategy – Kara expressed interest in reviving the effort to have a global review of solar opportunities in Town. An example presented was the Town gravel pit that could be used for ground mount solar. DLTA grants may be available to review the feasibility. The solar overlay district could be expanded to include additional locations. Brian to evaluate plan with Kara. – <b>No Update.</b></p>
Subcommittees/ Initiatives	<ul style="list-style-type: none"> <li>1. Community Resiliency Working group CRWG <ul style="list-style-type: none"> <li>a. Consultant KLA issued a framework for a Climate Action Plan</li> </ul> </li> <li>2. Energy Policy Subcommittee (Chair Paul Green)– The subcommittee recommended that an article supporting the MA greenhouse gas reduction goals (currently net zero by 2050) be approved at Town meeting – <b>Scheduled for Fall Town meeting.</b></li> <li>3. Net Zero Stretch Code – HEAC discussed sending a letter of support for this new code to the BBRS along with other communities. <b>This topic will be part of the Select Board meeting on 3/16. Ellen/Paul to advise update at the state level.</b></li> <li>4. MassEnergize – this is a software tool for the Town to offer residents for greenhouse gas tracking. The cost is \$750 to join and \$450/year. HEAC is investigating ways to pay for this tool with the Climate Working Group. <b>Possible source – Green Community grant or HEAC residual grant accounts.</b></li> </ul>
	<b>Meeting adjourned 9:30 pm (voted 5-0)</b>
Future Meetings	<p>2021 Apr 14 May 12 Jun 9</p> <p>HEAC Meeting Location/Time: 8 pm. – Virtual until further notice</p>