

# Town of Harvard Energy Advisory Committee

BRIAN SMITH – CHAIR  
 DAVID FAY  
 FORREST HODGKINS  
 PETER KELLY-JOSEPH  
 ELLEN SACHS-LEICHER

ASSOCIATE MEMBERS:  
 STUDENT MEMBER:  
 LIAISONS:

PAUL GREEN  
 OPEN  
 KARA MINAR, SELECT BOARD  
 SUSANMARY REDINGER, SCHOOL COMMITTEE  
 SUSANMARY REDINGER, CAPITAL PLANNING  
 CHARLES OLIVER, FINANCE COMMITTEE

## Meeting Minutes 1/12/22

Attendees: B. Smith, D. Fay, F. Hodgkins, E. Sachs-Leicher, P. Kelly-Joseph, P. Green  
 Kara Minar, Charles Oliver; Guests: Eric Charles, Michael Callender, Scott Kelley

Location: **This Meeting was held virtually in accordance with Chapter 20 of the Acts of 2021, An Act Relative to Extending Certain COVID-19 Measures Adopted During the State of Emergency and signed into law on June 16, 2021**  
**Zoom Meeting ID: 885 4562 6066**

	Meeting Discussion/Status
Admin	1. The minutes of 12/8/21 were approved 5-0 without comment.
Schools	1. HES Solar 260 kW DC Behind the Meter project – <ul style="list-style-type: none"> <li>a. A new bidirectional meter is to be installed to support the new PV system. – <b>NGRID has the meter.</b></li> <li>b. Solect Construction – System is installed. <b>Goal is to obtain Permission to Operate from NGRID and start operation in end January/early February.</b> Solect working to obtain approval of the MA state incentive.</li> </ul>
Town Energy Project Updates	1. Green Community Program <ul style="list-style-type: none"> <li>a. GC2021 Spring Competitive grant approved award received for the 4 projects below managed through Energy Conservation Inc.                             <ul style="list-style-type: none"> <li>i. Bromfield Transformers – high efficiency/re-sizing –The work is complete, final walkthrough with NGRID planned for 12/10. Obtain final invoice from ECI and submit for payment. – <b>Invoice received, to be revised and then submitted for payment.</b></li> <li>ii. Library Weatherization – Phase 1 insulation in Library attic/roof space. –Supply chain issue with spray foam. Air Barrier Solutions is not able to get the material. Decide if the project should be re-scoped to another weatherization phase that can be done. – No change; <b>Brian reviewed with DOER Kelly Brown who suggested that we wait for the work to be done.</b></li> <li>iii. Bromfield Weatherization – <b>Phase 1</b> - mainly air sealing, door sweeps – <b>Phase 1 work is complete.</b> Obtain final invoice from ECI and submit for payment. – <b>Invoice received. Submit for payment.</b></li> <li>iv. TBS Court Lighting –Brian to submit request to DOER to honor grant even though invoice paid prior to grant. Evaluate re-scope of funds if needed, e.g. TBS interior lighting – <b>No update</b></li> </ul> </li> <li>b. <b>Future Projects – Forrest discussed with Patrick Harrigan and suggested Unit Ventilators in the Bromfield classrooms. The next round is in the Fall and proposals need to be finalized by end of summer.</b></li> <li>c. Quarterly Report- Brian to prepare and submit to DOER.</li> </ul> 2. Charging Station – HEAC is working with ECI to evaluate charging stations at multiple locations: <ul style="list-style-type: none"> <li>a. Library – Input from Library Trustees – prefer location at end of parking lot away from building; may require new service; facilitates standard or fast charger.</li> <li>b. Bromfield – The spots by the courts are closest to the electric panels for connecting the charger conductors. Some prefer to have it be in front and be more visible.</li> </ul>

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	<ul style="list-style-type: none"> <li>c. Town Hall – limited spots but supported by Town.</li> <li>d. General Store – needs separate meter; issue with obstruction and limited space.</li> <li>e. Other areas – Harvard Park (track); commercial district?</li> <li>f. Fire/Police stations – this is being evaluated. <b>Need fast chargers.</b>                      The MA state EVIP program should provide 100% of the funds required for the equipment and installation, for publicly available chargers. Brian to request ECI to perform inspection of site locations.</li> </ul> <p>3. Net Zero Emissions Plan (Decarbonization) – Funded by DOER/MRPC and performed by John Snell.</p> <ul style="list-style-type: none"> <li>a. Municipal Buildings/Operations – John Snell submitted the draft plan to HEAC for comment. This is a roadmap for the Town to achieve net-zero emissions by 2050. Limited feedback provided during the meeting - Consensus is that members need additional time to review. Next Step is to schedule review with Town stakeholders. – <b>HEAC to review plan again in context with the HCIC climate plan and goals. Peter noted that changes from fossil fuel to electric should be made at the end of equipment life as noted in the plan.</b></li> <li>b. Community-wide plan – Further discussion is needed to define where to focus John Snell's efforts in conjunction with the Climate Initiative.</li> </ul> <p>These plans support the short-term Energy and Resiliency portions of the Climate Action Plan.</p> <p>4. Vehicles – Possible vehicles to replace with electric – Fire/Police: Ford Explorers (5), Dodge Chargers (2) F150 (1). Green Community may offer \$10-15k toward a replacement vehicle. <b>Focus on police cars in next capital cycle.</b></p> <ul style="list-style-type: none"> <li>a. Michael Callender works for a Highland Electric Fleets, which provides electric fleet subscription plans for school buses. Harvard subcontracts it school bus operations. Michael suggested to include incentives or plans for the bus contractor to convert to an electric fleet.</li> </ul> <p>5. Solar (Photovoltaic) Strategy – Initial focus is the Public Safety Building – Charles Oliver identified an interest in having this project defined by summer 2022 for the FY24 plan. HEAC to investigate procurement strategy- <b>Marie Sobalvarro provided an article about procurement of renewable energy facilities for reference (Municipal Advocate Vol 26, No.4). Other project identified was reviewing DPW and COA project to determine option for solar PV. Charles noted that Solar PV is not a key part of the Revenue Ideation committee which has a priority on increasing revenue from current assets.</b></p>
Energy Initiatives	<ul style="list-style-type: none"> <li>1. Climate Initiative Committee – Plan is for HEAC to supply 2 members (Brian and Paul) in addition to Ellen. <b>David Fay expressed interest in also serving on HCIC.</b></li> <li>2. Climate Plan – Ellen explained that each area (e.g., Buildings, Energy, Transportation) will require one goal and two actions. There is a municipal and residential goal in each area. HEAC is requested to review and determine what the priority goals are and then follow up with actions needed.</li> </ul>
Membership	<p><b>Scott Kelley is new to Town and interested in joining HEAC. He will attend several meetings to understand the goals and initiatives of HEAC.</b></p>
Future Meetings	<p><b>Meeting adjourned 9:45 pm (voted 5-0).</b></p> <p>2022: Feb 9, Mar 9, Apr 13                      HEAC Meeting Location/Time: 8 pm. – Virtual until further notice</p>