

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 4/13/22

Attendees: B. Smith, D. Fay, P. Kelly-Joseph, E. Sachs-Leicher, P. Green
SusanMary Redinger, Kara Minar (PT)

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: 872 9334 7318

	Meeting Discussion/Status
Admin	1. HEAC approved the minutes of 3/23/22 3-0 without comment.
Schools	1. HES Solar 260 kW DC Behind the Meter project – a. Need NGRID bill to report actual usage instead of calculated.
Energy Initiatives	1. Net Zero Emissions Plan (Decarbonization) – Funded by DOER/MRPC and performed by John Snell. Municipal Buildings/Operations – This is a roadmap for the Town to achieve net-zero emissions by 2050. a. The latest draft (4/11) of the Decarbonization plan was provided for information and comment. b. Review with Town stakeholders – 4/13 a Stakeholder meeting was held with representatives of the Planning Board, Permanent Building Committee, and Schools. The plan was generally supported and each group will review and return any feedback. c. Community-wide plan – Further discussion is needed to define where to focus John Snell's efforts in conjunction with the Climate Initiative. – no update 2. Climate Plan – Each area (e.g., Buildings, Energy, Transportation) will require one goal and two actions. The municipal and residential goals are being reviewed by stakeholder committees. HCIC presented the goals to the School Committee on 3/21. The Climate Action plan was reviewed at the stakeholder meeting held 4/13. The next step is to review with the Select Board (date TBD). This will support issue of the complete climate plan by June 2022.
Town Energy Project Updates	1. Green Community Program a. GC2021 Spring Competitive grant approved award received for the projects below managed through Energy Conservation Inc. i. Library Weatherization – Phase 1 insulation in Library attic/roof space. – Project on hold until Air Barrier Solutions can source the spray foam component in 55-gallon drums.- no update. ii. Bromfield Weatherization — Work complete. Need Phase 2 invoice. 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. c. Quarterly Report- Brian to prepare and submit to DOER. – submitted 2/6. 2. Charging Station – Possible locations are listed below. A visit to screen additional locations is being coordinated by Brian between ECI and Jeff Hayes. a. HES – SusanMary stated that there is a need for another charger next to the existing charger. b. Library – Input from Library Trustees – prefer location at end of parking lot away from building; may require new service; facilitates standard or fast charger. c. 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. d. Town Hall – limited spots but supported by Town.

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	<p>e. Other areas – Harvard Park (track); commercial district?</p> <p>f. Fire/Police stations – Need fast chargers.</p> <p>The MA state EVIP program should provide 100% of the funds required for the equipment and installation, for publicly available chargers.</p> <p>3. Streetlights – Next step is to evaluate a sample light installation in the historic district. David requested National Grid to install a sample fixture. Based on the availability of the fixtures, the work is expected to be completed in May. – no change</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. Focus on police cars in next capital cycle. Chief Babu requested assistance in obtaining the state incentive for the next hybrid police car purchased (currently planned for June). There may be an advantage to paying for the car later if there is another Green Community grant incentive available in Fall 2022.</p> <p>a. Vehicle Hybrid Police Car grants and rebates – Peter to review with Chief Babu. This will include any Green Community incentives.</p> <p>5. Solar (Photovoltaic) Strategy – HEAC is evaluating potential of several locations:</p> <p>a. Public Safety Building – Define by summer 2022 for the FY24 Capital plan. HEAC to investigate procurement strategy with Marie Sobalvarro. Next actions:</p> <ol style="list-style-type: none"> 1. Investigate PPA/Lease vs Own. 2. Evaluate Interconnect impact with NGRID. 3. Evaluate with the solar readiness of the building with Chief Babu, Jeff Hayes and Tim Bragan. The building was built in 2007; need to determine if the roof needs to be replaced. 4. Solect reviewed the electric panel. From a Solar PV PPA perspective, this project is marginal. <p>b. COA Building –</p> <ol style="list-style-type: none"> 1. Heat pumps – there is some doubt whether heat pumps are specified in the scope of the architect design to be contracted by RFP. Brian to contact PBC committee (Guy Hermann) to resolve. 2. Solect reviewed the COA building for PV solar and stated that this building ideal for solar and highest potential for a project in Harvard. <p>c. Stow Road Gravel Pit – Solect confirmed there is 3 phase power on Stow Road.</p> <p>d. Bromfield – Solect evaluated installation of parking lost canopies and considers this a low potential for a PPA project due to the size and costs.</p> <p>6. Earth Day – HEAC will co-sponsor activities to engage with the community on Apr 30. HCIC is planning the activities.</p>
Membership	No update.
	Meeting adjourned 9:22 pm (voted 4-0).
Future Meetings	2022: Apr 13, May 11, Jun 8, Jul 13, Aug 10 HEAC Meeting Location/Time: 8 pm. – Virtual until further notice