

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 5/11/22

Attendees: B. Smith, D. Fay, P. Kelly-Joseph, F. Hodgkins, P. Green
Charles Oliver

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: 889 6668 9172

	Meeting Discussion/Status
Admin	1. HEAC approved the minutes of 4/13/22 4-0 without comment.
Schools	1. HES Solar 260 kW DC Behind the Meter project – a. Need NGRID bill to report actual usage instead of calculated. – no change
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. Latest draft (4/11) of the Decarbonization plan – No comments -Members are to review and advise of any comments. b. Review with Town stakeholders – HEAC and HCIC to provide Decarbonization plan to Select Board to communicate status. 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 next step is to review with the Select Board (date TBD). This will support issue of the complete climate plan by June 2022. 3. CCA for residential energy supply – Plan expires in Nov 2022. Pricing is very volatile and Colonial recommends a short term contract. Need update from Colonial on latest status.
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. – Material (spray foam) issues are resolved but the contractor has delays due to availability of labor and training new employees. Target late June, early July for the work. ii. Bromfield Weatherization – Work complete. Follow up on invoices. Forrest noted that the quality of the foam installation was not great based on visible inspection and should be highlighted for the Library project. 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. – no change c. Quarterly Report- Brian to prepare next report and submit to DOER. – obtain schedule for weatherization at library. 2. Charging Station – Possible locations are listed below. A visit to screen additional locations is being coordinated by Brian between ECI and Jeff Hayes. – Visit to be arranged. 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.

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	<p>d. Town Hall – limited spots but supported by Town.</p> <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 July.</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.</p> <p>a. Vehicle Hybrid Police Car grants and rebates – Peter to review with Chief Babu. This will include any Green Community incentives. May need to delay payment of the vehicle approved for this year until Fall. Brian to send details about the GC grant to Peter.</p> <p>b. Fleet Electrification – Forrest/Peter attended a call with the NGRID consultant that offers a review and plan for electrification of the vehicle fleet. Forrest provided the detailed vehicle inventory for review.</p> <p>c. Buses – Dee Bus Service was the only bidder for the school bus procurement. The understanding is that Dee did not respond to the request for an electric bus option.</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 – HEAC confirmed that heat pumps have been in the specs for the project since Sep 2021. 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. – This event was very successful due to the planning and execution of HCIC.</p>
Membership	No update.
	Meeting adjourned 9:17 pm (voted 4-0).
Future Meetings	2022: Jun 8, Jul 13, Aug 10, Sep 14, Oct 12, Nov 9, Dec 14 HEAC Meeting Location/Time: 8 pm. – Virtual until further notice