

Town of Harvard Energy Advisory Committee

BRIAN SMITH – CHAIR
 ERIC BROADBENT – VICE CHAIR
 DAVID FAY
 CHRIS ROY

ASSOCIATE MEMBERS:
 STUDENT MEMBER:
 LIAISONS:

FORREST HODGKINS
 OPEN
 STU SKLAR, BOARD OF SELECTMEN
 MARY TRAPHAGEN, SCHOOL COMMITTEE
 SUSANMARY REDINGER, CAPITAL PLANNING
 DON LUDWIG, FINANCE COMMITTEE

Meeting Minutes 3/23/16

Attendees: B. Smith, E. Broadbent, D. Fay, S. Matson, C. Roy, F. Hodgkins, Paul Green, Stu Sklar

Location: Hildreth Elementary School Faculty Room 8 PM

	Meeting Discussion/Status
Minutes; Membership	The minutes of Mar 9, 2016 were approved 4-0. The BOS will appoint Paul Green at the next available BOS meeting after the Town Meeting.
Town Energy Project Updates	<ol style="list-style-type: none"> 1. Green Community Spring 2015 Grant Project Status <ol style="list-style-type: none"> a. Hildreth House HVAC - Project scope modified to one furnace for each floor and split ducts in the basement. Cost is \$44,369 which exceeds the approved GC funding of \$34,980. Project to be completed by May 15. <ol style="list-style-type: none"> i. Brian coordinated weekly updates between Guardian and Marie S as primary Town interface. ii. Wood duct to be removed from basement. b. Peregrine Schools and Library Retrocommissioning – includes contingency repairs. <ol style="list-style-type: none"> i. Incentives and Report Recommendation: <ol style="list-style-type: none"> 1. Peregrine submitted the report recommendations to NGrid and several were selected as eligible for the custom incentive program. The report recommendations are a portion of the measures recommended to date. Action: Peregrine to supply the overall list of recommended measures, identify those implemented with the controls vendor and provide a plan and energy savings for the remaining measures. – No update; David to follow up c. Library Lighting – Partially completed. Several changes are required to better match to the existing fixtures; a fixture will be provided to install and verify prior to ordering the replacements. – in process d. Bromfield Hallway Lighting – Partially completed; need schedule for completion. Guardian to define solution for fitting the 1x4 fixtures. e. Bromfield Exterior and Police Station Lighting – Delayed due to manufacturer delay. Turn over monitoring of the project to Forrest. f. DPW lighting. Replacement wall packs have been ordered. g. Building Operator Certification – Eric communicated with Mark Force and asked for the training to be scheduled/paid as soon as possible. – Eric will contact superintendent if no response soon. – no change h. Admin Fee – No Change. <p>Reporting - Annual Report – Chris working to obtain information on the Stretch code from Gabe Vellante. – No change</p>
Town Solar	<ol style="list-style-type: none"> 1. Bromfield Roof Solar PPA RFQ – Brightergy Solar – <ol style="list-style-type: none"> a. RFQ — The revised RFQ was sent to Lorraine and Marie on 3/2/16. – no change 2. Net Metering Agreement RFP/RFQ – on Hold <ol style="list-style-type: none"> a. Based on communication from the respondents, the Town has not officially notified the parties about the selection of Kearsarge.

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Bromfield School Monitoring	<p>Cadmus Group monitoring of building climate using instrumentation provided by Onset Corporation: In Progress. Goal is to perform analysis in late spring.</p> <ol style="list-style-type: none"> 1. Steve is planning the removal of the sensors in April. He will also contact student advisors to enroll student assistance. – no change
HES Renovation	<ol style="list-style-type: none"> 1. HES Building Committee – David Primary; Eric Secondary. – no update
Misc Projects	<ol style="list-style-type: none"> 2. HEAC Survey – Prepare a survey to solicit ideas, input and support at any level from the community. – Eric drafted a “Consider This” article which was discussed with Brian and Stu Sklar. HEAC is tasked with preparing a report of progress and recommendations to BOS regarding the HEAC charter and scope. The recommendations should address the charter, town energy policy, guidelines for town building renovations, energy procurement, efforts to address residential and community needs. The report out may be in two phases. 3. Energy Usage Report – Brian to create update for report to Town Committees. FY15 Update – No Change but this will be part of the report out to BOS and review of HEAC charter. 4. CPIC Request – No Change 5. Municipal Aggregation / Deven Utility – Stu Sklar provided a presentation to the BOS by Peregrine and John Shortsleeve about Municipal Aggregation on March 15. The program is for residential to lock in bulk prices for electric generation. This program is implemented in several towns and cities in MA including Lancaster, Shirley and Melrose. Stu asked HEAC to recommend to BOS a plan regarding Municipal Aggregation - HEAC voted 4-0 to prepare this plan. Eric suggested inviting someone from Shirley to a future meeting. The process is estimated to take a year to implement if we recommend it. 6. HEAC Energy Policy – Steve discussed with Tim Bragan who reported that the policy was approved in 2010 for the Town buildings managed under Tim. Brian request HEAC to review and provide proposed revisions. – No Change. 7. Commercial Design Guidelines – HEAC Input – Brian offered to Kara Minar and Erin McBee of the Planning Board that HEAC would like to provide input regarding the energy portion of the report. 8. HEAC Letter to BOS for MA Solar Agreement – Eric drafted a letter to the BOS to send to the leaders of the MA legislature regarding agreements on the net metering cap and SREC. HEAC approved the letter 4-0.
Future Meetings	<p>Apr 13, Apr 27, May 11, May 25, Jun 8, Jun 22 Hildreth Elementary School Faculty Room 8 PM</p>



Harvard Choice

Board of Selectmen

Mar 15, 2016

- >> John Shortsleeve
President, Bay State Consultants

- >> Paul Gromer
CEO, Peregrine Energy Group

What is municipal aggregation?

Municipal aggregation is a form of **group purchasing** in which a city or town buys electricity on behalf of its residents and businesses.

Key features:

- Customers can **opt out** at any time
- Aggregation covers only electricity **supply**. The utility is still responsible for electricity **delivery**, including billing and maintaining the poles and wires
- Applies to **Basic Service** customers



Why aggregate?

Use the aggregated purchasing power of **1,900 Harvard** electricity customers (estimated) to create a choice that they do not currently have. (Estimated 17,000 MWH)

A choice that:

Provides Price Stability

Is Consumer Friendly

Is Likely to be Less Expensive

Offers Optional Greener Energy



One Case Study - Westborough

A choice for a typical Westborough Resident that:

Fixed and level for two years

Supplier Committed /Consumers Not

3.8 cents less than utility winter rate

\$26/ month savings in winter

Expected to break even w summer rate

Expected savings > \$100 / yr / resident



What does not change?

Customers continue to receive **one bill** from National Grid.

National Grid continues to restore service after an outage and to maintain the poles and wires.

Net metering remains the same.

Low income discounts remain the same.



Greener power

Green products

- An optional product that is greener than NGRID basic service

Shades of green

- Location
 - New England / Massachusetts / Chelmsford
- Type
 - Hydro / Wind / Solar
- Vintage
 - Year of construction



Estimated Schedule : Chelmsford Case Study

	-	Estimated	Actual
-	Plan Filed	May 2015	May 2015
-	DPU approval	Jan 2016	Sep 2015
-	Issue RFP for supplier	Feb 2016	Sep 2015
-	Execute contract	Mar 2016	Nov 2015
-	Public education and opt out	Apr 2016	Jan 2016
-	Program launch	May 2016	Feb 2016

