

Pelham Energy Committee Meeting
December 4, 2018 meeting

Note taker: Tony Rogers

Members Present: Stan Swiercz (Chair), Tony Rogers, Alisa Pearson, John Larsen

Meeting convened at 7:40 PM

1. **Minutes**

Move to approve minutes of 9/25/2018, 10/2/2018 and 11/20/2018 meetings. Seconded and approved.

2. **New Members**

Tony will talk to Randall about joining the committee

3. **New Business**

There will be a town committee chair meeting on Mar 4 – The Select Board wants to hear from chairs about taking action to step up work to address IPCC. It is an invitation to be daring. We need to discuss before March – what have we done. What could we and other committees do?

4. **Current Green Communities Grant - Relamping**

Rick could not make mtg with World Energy to discuss punch list of items to be addressed. It was rescheduled until next Monday, 12/10.

5. **Resilient campus project – HVAC**

- Final design - The Select Board signed the RW Hall contract for a final design of a heat pump HVAC system for the Community Center (CCP). That work is ongoing.
- State Funding for HVAC system - The Green Community grant application needs to be submitted by Mar 8. Community center HVAC hopefully will be covered under Green Community grant. Do we need to justify using the money for an HVAC system exclusively on an energy basis? Can we include the GHG benefit and resilience benefit? Check with Ashburnham application. It probably would not cover all costs.
- Outreach - When should we do outreach to rest of town to explain what we are proposing for the Community Center HVAC system and what the town's commitment would be? Discussion: General agreement that we should wait until we have design and actual costs.
- How would costs not covered by a Green Community grant be paid for? Discussion: Might we be able to get another MVP grant? There is money in the capital stabilization fund that would need to be allocated to the project but which might be applicable? To make a case, will need 20-year costs for CCP heating/cooling – for both oil and electric alternatives. We discussed getting a study on costs of replacement of the oil system with a new oil system. We need numbers which include all the components in the system: furnace, corroded piping, corroded chiller + new heat exchanger to isolate glycol part of system from water system. Note: the proposed VRF alternative does both cooling and heating using electricity. Funding sources we have will not pay for a fossil fuel study. We could ask Mike Bianchini of RW Hall to compare heat pump system costs with repair of current system (a newer version of this system) using some of the allocated town money. Tony will talk to Mike about doing a comparison study including: Operating cost,

installation, equipment, etc.. Note, also, the price of oil is more volatile than electricity prices

- Outreach discussion resumed - When should we start talking to people? Once we have both the HVAC final design and its costs and the costs of a direct replacement of the current system, we need to talk to the Select Board. Whether we have MVP or town money, we need to show we thought through everything.
- Current MVP grant – we need to report money being spent and whatever else the MVP administrator needs, Stan will look into whether we are providing that to the state.

6. **Sensors on CCP**

Lee Edelberg – retired electrician might have time to install electrical sensors. John Larson has his number.

7. **Cadmus Proposal for Resilient Campus**

We need to propose a correction to the focus of the proposed study – focus on needs (equipment and services) for a community heating and cooling shelter, electrical loads of such a shelter + methodological issues of such an analysis, as opposed to economics. What services do we need in the shelter? How does that add up to a load profile? We need peak load, energy over some event. How much can we generate electricity to meet those demands. We are also interested in the value of the resulting stand-alone power system during normal times when we are grid-connected. We need them to model emergencies in both winter and summer. We will have to decide how long do we want to assume an outage would: last 3, 5, 10 Days? John will summarize feedback for discussion with Cadmus. Stan will send to Cadmus.

8. **Green Communities Grant Annual Report**

This year's report has been submitted. Data needs for the annual report: Rick provided oil, propane – from vendors. Maybe the town accountant could keep track of these items, as collecting the data is the biggest problem in making the report. We need a system, as we need to keep reporting to the state, even if we don't get an additional grant but might want one in the future. We will need to close out current grant if we want to reapply for other another.

9. **CCE Plus**

Discussion: The inter-town group looking at the feasibility of CCE+ has applied for a \$55K grant to hire two consultants: Gromer + Fenn. They will study how to do this kind of CCE+ in MA. Saturday Stan will give a presentation in Springfield. John asked is there any other place considering what we are talking about? Stan said no.

Next meeting dates: Jan 8, Jan 22

Adjourn 9:28