

## **Pelham Energy Committee (EC) Meeting Minutes**

Tuesday, October 20, 2020

Virtual meeting (recording is available)

Meeting called to order: 7:37 PM

**Present:** John Larsen (JL) (co-chair), Tony Rogers (TR), Randall Spalding-Fecher (RSF)  
Judy Eiseman, Gayle Barton, Bruce Klotz (B) , Tilman Lukas,

**Note-taker:** Randall Spalding-Fecher

### **Presentation of Pelham Community Center and Safety Complex HVAC project**

- See attached slide presentation
- JE: thanked EC for good work
- Bruce:
  - Q: Will old system be replaced? A: No, they both will remain
  - Q: Will there be condensation and leaks from ceiling? A: This should be sorted out because old chiller will be removed.
  - Q: How adjustable are the different zones? A: There are many zones in the system, but not sure what the boundaries are – can find out detail of new zones
  - Q: Did you consider using ground water for heat pump? A: Yes, considered this in the earlier options study. Ground source would be less energy efficient and more costly with great uncertainty. Only after wells are drilled would be know the quantity of water available and flow.
- TL:
  - Q: for future do we know structural capacity of school for solar PV? A: EC commissioned a study structural assessment of roof school, which can handle ¾ of area in PV cover. However, difficult to find state grants to support municipal solar, because it is so popular even without state money. Also, John Trickey says the school building roof needs replacement in near future anyway, so may need to wait until replacement is nearer. EC also looked at solar canopy for parking lot next to library, which would have less generation area and some additional challenges (e.g. large vehicles). EC had a cost estimate, and determined that the canopy could provide enough power for VRF system. Note that the
  - community centre roof not strong enough for any added weight;
- JE: Q: is there an estimate of solar cost? yes, we will get this info and publicize it;
- JL – explored storage, microgrids, etc.
- Bruce – why backup from oil furnace? Does give us independent back up system if winter problem (some people worried about this); also, electrical code upgrade would be required if the you expand system – electrical feeders will serve either the VRF or the oil system; would need larger generator, larger service, all code requirements, cost increase of \$200k; has lock out so can't run both on the same time, so can do it without any upgrades
- Bruce – do we have to deal with temporary generator? Yes, will need ot deal at some point
- Gayle – thanks for clear ppt and hard work, Jody is looking forward to changes; will hae later logistical questions
- Bruce – other projects in pipeline? Not now.
- 4 copies each

### **Minutes**

- Deferred consideration of minutes

**New Business**

- No new business

**Old Business**

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**Next Meeting**

- Thursday, October 29 at 7:30

Meeting adjourned at 8:21 pm