

ENERGY MANAGEMENT COMMITTEE
Meeting Minutes: Jan. 11, 2021, 5:30 pm to 7:00pm
Zoom Video Meeting

Voting attending: Todd Kosterman, Karl Rexer, Allison Gaiko, Roger McPeek, Colleen Soden, Justin Magee, Bogdan Fedeles

Non-Voting attending: Laura Turenne, Susan McPhee, Ellen Whittemore, Fritzie Nace, LeeAnn McGahan, Pete Lawson, Carolyn Starrett, Tom Hopcroft, Kim Cullinane

Absent: none,

1. The minutes from 11/16/20 were unanimously approved.
2. New Business: DOER has changed the dates for Green Communities Grants. There are now two grant rounds: spring (April) and fall (October). Feb. 12th is the deadline for close outs of FY20.
3. Green Communities Grant:
 - a. 2020 Project status:
 - i. Ambrose LEDs in classrooms: Completed over the holiday.
 - ii. Town Hall Insulation (Auditorium and Planning Office). Completed and inspected. Insulation was installed before the fans, so some of the insulation had to be removed to run the cable to the fans and then replaced.
 - iii. Town Hall De-stratification fans (Auditorium): Complete, except for the automation sensors which are due to be installed Tuesday, Jan. 12. Currently, the fans are controlled only on or off. They are variable speed fans; therefore, the sensors will be able to modulate speed as needed depending on occupancy and temperature.
 - b. 2021 Potential Projects:
 - i. Public Safety Building: Switch Police side to LEDs: A quote was recently received from AECOM. This project would require approximately \$32,000 from Green Communities. Mr. McPeek suggested the lights in the bell tower (the cupola) could also be looked at. *AI: Mr. Lawson to assess cupola for new lighting.*
 - ii. West Side Fire ASHPs: Horizon needs access to the building. Mr. Lawson noted this HVAC project was already voted on as part of a Capital project.
 - iii. DPW Garage, switch to infrared heaters: Mr. Lawson doesn't think infrared heaters are practical for this application..
 - iv. DPW LEDs: quote recently received from AECOM. This project would require approximately \$28,000 of Green Communities funding.
 - v. Ambrose LEDs Phase 3: 3rd floor hallways and bathrooms, cost is estimated to be approximately \$10k but an official quote has not been received yet.
 - vi. Insulation opportunities: Cemetery Building: Mr. Lawson would prefer if an engineer walk the space first to make sure the roof can support more load. This is a very small building; therefore, it is low on the priority list. One place to investigate would be the drop ceiling in the office.

4. **6:00 PM** - Eversource Presentation, incentives for new construction (*Ms. Kim Cullinane*):
 - a. Purpose of presentation is to provide an overview for their programs. The programs are all under the umbrella of Mass Saves. Eversource has rolled out a complete new set of program offerings with a focus on Zero Net Energy (ZNE) and low Energy Use Intensity (EUI, kBtu/sf/yr). EUIs allows you to compare energy usage between buildings. Many schools are heading in that direction now.
 - b. There are 4 different incentive pathways: Path 1 is ZNE, Path 2 is EUI Reduction Whole Building, Path 3 is Small Building Simplified, and Path 4 is System-Prescriptive and limited.
 - c. Path 1: Eversource provides third party technical assistance. Goal is to achieve 25 site EUI or lower. Focus is on actual performance once occupied, and not predicted performance. Milestone incentives are: Construction Incentive of \$1.25/sf, Post Occupancy incentive of \$1/sf, and an extra \$3000 for ZNE certification. The focus is on reaching 25 EUI. The goal of 25 EUI represents energy consumption before on site generation (e.g solar PV generation). Requires that the design team perform modeling and energy savings design.
 - d. Path 2 does not require performance follow up by Eversource post occupancy. As with Path 1, the goal is to achieve a low EUI. To qualify, the building needs to be at least 50,000 sf. A 10% percent EUI reduction from baseline is required for an incentive, more reduction equals more incentive.
 - e. Path 3 (Whole Building Streamlined) is quicker moving and does not require whole building modeling, but must be at least 20,000sf.
 - f. Path 4 is not whole building based but instead individual systems. Mark Rooney can provide information and guidance concerning the Town Hall HVAC and WinRec HVAC.
 - g. Buildings with very low EUI tend to be electrified. Best time to engage Eversource/Mass Saves is very early in the design process. The greatest successes are when language is incorporated into the Request For Service (RFS). Much assistance is provided early on, during feasibility. 50% of the cost up to \$10,000 to help with feasibility.
 - h. Ms. Soden has created a document that contains goals for new construction.
Action Item: Mr. Kosterman to look at Ms. Soden's document, provide any necessary feedback, and send back to this committee to discuss at the February EMC meeting.
5. Old Business:
 - a. META grant (*Ms. McPhee, Mr. Lawson*): Ongoing
 - b. McCall Unit Ventilator Pilot Project (*Mr. Lawson*): Ongoing
 - c. Town Hall and Police HVAC (*Mr. Lawson*): Ongoing
 - d. EFPBC and new Lynch (*Mr. Kosterman, Ms. Soden, Ms. Whittemore*): Discussed above (#4h).
 - e. Town Hall Chargers (*Ms. Turenne and Ms. McPhee*): Ongoing
 - f. Solar press release and Dash Board (*Ms. Nace and Ms. Turenne*): Ongoing
6. Schedule Next Meeting: Feb. 22nd at 5:30