

ENERGY MANAGEMENT COMMITTEE
Agenda: Jan. 7, 2019, 5:45 to 7:00 pm
Ambrose

Voting attending: Justin Magee, Todd Kosterman, Enzo Rascionato, Colleen Soden,

Non-Voting attending: Laura Turenne, Susan McPhee, Fritzie Nace

Absent: LeeAnn McGahan, Pete Lawson, Karl Rexer, Mark Sassi, Roger McPeek,

1. Minutes from previous meeting 11/26/18 were unanimously approved.
2. New Business: National Grid employees negotiated their contract today. Susan sent an email to Michael Skinner at National Grid to put us into the queue to switch Ambrose and Lincoln from oil to natural gas in June 2019 when school is out and summer programs have not yet started.
3. Grants:
 - a. Green Communities Grant 2019: Two of the four 2018 projects will not be completed by the deadline. The LED lighting was installed at Muraco and WinRec; however, Ambrose recommissioning and the WinRec boiler zone work are not completed. Therefore, Winchester cannot apply for a Green Communities Grant next year. At Ambrose, the Trane's proprietary controls are not functioning properly. They can't be switched to Johnson controls because it's cost prohibitive. AAlanco will replace valves and actuators over Feb. break. The boiler zone work at the WinRec cannot be started until April, when the heating season has ended.
 - b. Update of InnovatEE grant status: Winchester did not receive grant money to fund the monitoring. The company, Conservation Solutions Corporation (CSC), was going to pay for the materials and the installation of Phase Change Blanket Insulation. Motion made by Justin: Approach Conservation Solutions Corporation and let them know that although Winchester was unsuccessful in receiving the original grant, Winchester would still like to pursue the project by scaling back the project to only the 3rd floor of Vinson-Owen as well as any air conditioned spaces and to have CSC pay for materials, installation, and monitoring. Voted and unanimously approved. *AI: Susan to speak with Dan Cook from CSC.*
4. Energy Revolving Fund (ERF) 2019: Currently, ERF has \$21,168, but the Muraco insulation (\$11,328) has yet to be paid for. Utility incentives for the insulation are estimated at \$4,124 for a total cost to Winchester of \$7,204, resulting in a new ERF balance of approximately \$13,964.
5. Reaching 20% Reduction Goal

- a. Variable Frequency Drives: Deferred until next meeting.
 - b. Exterior LED small lighting projects: Potential sites include the North Reservoir Fire Station, Wildwood Cemetery, the West Side Fire Station, and athletic field parking lots. *AI: Laura will contact Derrek Brown from AECOM to schedule site visits.*
 - c. Water Treatment Plant: The usage is slightly down but the cost has doubled. Susan has already spoken with employees at the plant and the timing of the pumps has remained constant. It is likely that the electric rate has increased resulting in higher costs. *AI: Susan to look at bills from 2016 and compare to 2018.* Electricity is purchased through National Grid.
 - d. Vehicles:
 - i. VW Settlement: Haven't heard anything as of yet.
 - ii. Purchase dump trucks with anti-idling feature: Trucks that automatically turn off after 5 minutes. *AI: EMC should be thinking about wording for a policy that would require the purchase of new equipment that has an anti-idling feature.*
6. Solar update: Winchester High School solar project is waiting for approval by the Select Board. The Select Board is waiting for funding for a fall protection railing system. The cost of the railings is \$84,000. Fortunately, there is still money available for our region with the SMART program, and Winchester would be in funding block 1. If the upcoming Town operating budget override is approved, then money from the override could be used to fund the railings.
7. Community Solar "Anchor" Opportunity: Defer until next month.
8. Generator use on peak days and buying natural gas generators: The Urban Mayors Association has an aggressive goal of reducing carbon emissions by 80% by 2030. A company named Tecogen makes small cogeneration units and the High School would be a possibility. *AI: Susan to look into Tecogen generators.* From Pete: The only natural gas generator is at the DPW. The others are diesel. None of the generators are designed to support full building systems. They are strictly for life safety. Installation of generators capable to support this idea would result in a long payback, be extremely large, and require environmental regulations and equipment that are cumbersome and costly to support.
9. Electric minibus for Council of Aging: The two companies that have been researched thus far for efficient minibuses; GreenPower in CA and Lion in QC and PA. The buses are cost prohibitive. GreenPower's minibus is \$192,000 and Lion's is \$265,000.
10. Next meeting will be Monday, Feb. 4 at 5:45pm at DPW