

Timberlane Regional School Board Energy Committee

July 14, 2021 7pm

- **Energy Committee Members Attending:** Barbara Kiszka, Maria Watkins, Steve Paradis, Karl Ingoldsby; Brian Boyle
- **Also attending:** Marc Fournier, Julian Kiszka
- **Absent:** Kim Farah

1. Meeting called to order at 7:06pm.
2. Introduced new Plant Operations Director Mr. Karl Ingoldsby
3. May 5, 2021 minutes Maria motioned to approve, Steve seconded : 3-0-0 Approved
4. June 2, 2021 – no quorum
5. Brian Boyle arrived at 7:11pm
6. LED update –
 - a. We've spent \$84,950 of the \$85,000 approved for last year. Entire project is for \$215k and we have a contract. The books are not yet closed for last year. Ms. Watkins asks may we encumber the balance of \$130k from last year's money into this year? The money is available, just need approval from the school board. This is maintenance money vs capital (\$275 Capital and \$255 boilers already encumbered). Encumbrance theory = encumber if you have a contractual agreement. This will cover TRHS, TRMS + PAC. In the worst case we can re-encumber to the following year if needed.
 - b. Ms. Kiszka will ask Dr. Farah to put the encumbrance on the agenda.
 - c. Currently Mr. Paradis is focusing on installing LEDs in the difficult rooms – like Library, kitchen, and tall rooms. Both students that were asked to help already had jobs. Two students helping the custodians are helping out when requested. John from maintenance helps. Mr. Fournier offers to help for a day. Mr. Paradis believes he can finish it himself before than the end of the year by swinging his hours to 10:30-18:30 to get time when the kids are not in the classrooms. The most difficult 30% of the high school is done.
 - d. New electrical students may be able to help Mr. Paradis after start of new school year.
7. Solar PPA
 - a. Need list of roofs, ages, load bearing capacities from Mr. Ingoldsby
 - b. Do we need to ask the town if they will allow panels on the roofs? Some fire chiefs in NH are objecting.
 - i. Mr Boyle will check with the Atkinson fire chief.
 - ii. Karl will ask the towns if solar panels are allowed in each.
 - iii. We expect well labelled panels and outside cut-offs from any reputable installer. Need to talk to everyone on the ground to come up with a good solution.
 - c. Mr. Fournier discussed the Nashua and Dover documents he had shared with the board earlier
 - i. Dover had a private consultant, Competitive Energy Services (CES) analyze the RFP responses from the contractors. Maybe we would want someone like CES come in and answer questions like ground vs. roof mount, local regulations / restrictions?
 - ii. Business / Facility people from Nashua and Dover are willing to come to talk to us about the good and the bad of their experience
 1. Should we take a field trip?
 2. Ms. Watkins will ask if Dover will host us for an hour or so in an afternoon.
 3. Ask if they ever generate more than they use per month, if so, what happens? Do they have to pay for energy that they generated but the school did not use? If so, this could erase the savings.
 4. Ms. Watkins wants to see the savings for Revision Energy's oldest customer – BA to BA. Maria will reach out to Exeter, and maybe Procter Hill Academy.

5. Ms. Kiszka will ask Revision for NH customers with the oldest installations > 5 years
 - iii. Dover: Some systems were overperforming (high school), one underperforming (Children's Museum).
 - iv. Mr. Fournier talked to both BAs, both had great things to say about Revision. Mr. Paradis recalled that Revision was the only company of 5 that responded.
 - v. Revision put a Dashboard in the schools (TV in corridor) so they can track on a daily basis / app. Information from the system can be fed into classrooms such as science or engineering. Mr. Rugoletti might like that.
 - vi. System break-even payback is 6+ years if buying the system. Faster savings, but less if using Power Purchase.
 - d. General agreement that we should not rush to get a PPA on the warrant article for 2022. We are standing up a new SAU, we have new staff. They already have more than enough to do. We should stay in information gathering mode for PPA.
8. Ms. Watkins wants to redo the courtyard windows in TRHS for energy savings. They are single pane and let in more wind than a hair dryer.
 - a. Mr Ingoldsby will get a performance contractor in to measure for windows and other things to maximize ESSR funds , paybacks will be on the order of 15 years.
 - b. Mr. Boyle noted the district is aiming to spend \$2M / year on buildings. Off this year because of COVID.
 - c. We are already paying prevailing wages, which is a requirement for some of the grants.
 9. Sink aerators for hand sinks –
 - a. Mr. Fournier brought up this low-hanging fruit for savings. Aerators are low cost.
 - b. The utility company may pay for them (because gas is heating the water, and energy is used to pump the water to the sinks. We could ask the company if they will pay for them.
 - c. Mr Ingoldsby will look into it.

Next meeting in Wednesday September 22, + Field trip
Meeting adjourned at 8:03pm