

Timberlane Regional School Board Energy Committee

January 6, 2021 7pm

Energy Committee Members Attending: Kim Farah, Barbara Kiszka, Gary Paradis, Steve Paradis

Also attending: Marc Fournier joins at 07:40 minutes in.

Absent: Brian Boyle, Maria Watkins

Link to January 6, 2021 meeting is at [Zoom recording](#), Passcode: HXowG?65

1. Minutes Approval
 - a. Nov 18 minutes– Dr. Farah motions to Approve, Mr. G. Paradis seconds, Approved 4-0-0
2. LED light project progress
 - a. Outside LED conversion is complete and \$36,130 rebate received from Unitil on the \$57,000 cost, so more than 50% rebate.
 - i. The interior fixtures were from Lithonia, the outdoor fixtures from RAB purchased through Northeast Electrical.
 - ii. Maria has a spreadsheet with the kwh savings and electricity charge, with an expected savings of \$10,000 a year.
 - b. Inside LED conversions completed:
 - i. High school and middle school hallways
 - ii. High school cafeteria
 - iii. Middle school cafeteria and library
 - c. Steve Paradise reports the inventory for old and new interior lights are complete. The inventories were sent to Marc Fournier. It is over \$5,000 so it will go to RFP.
 - d. Steve received responses from Lithonia and RAB. There is no response from Affinity by phone and email after 3 attempts.
 - e. The responses are \$290,000 and \$307,000 just to buy the lighting fixtures for all the schools, without installation. There would be a rebate through the utility company (Unitil). The rebate will depend on if we will buy all of the lights at once or incrementally school by school.
 - f. Kim Farah says to assume we will buy all at once because the payback is 3 years.
 - g. Steve will construct a list and tell Unitil our goal is to replace all of these within the next year.
 - h. Gary notes Steve will need help (for the installation).
 - i. Kim says if we need something in writing, we will need to know the approximate cost (of fixtures) for each school building and the time it will take for each so we can make a plan on how much we want to buy at a time.
 - j. **Steve** will break down the inventory building by building, then check with Unitil building by building what the rebate would be.

- k. [Marc F joins]
 - l. The problem is the time it takes to install the lights in the classrooms. Kim asks **Marc** to include this in the written timeline plan so that we can install the lights and get the rebates as each school is completed.
 - m. Marc notes NH Saves is coming in to look at all the buildings starting Wednesday, Jan 13, about what incentives they can offer, so that may help us in the process. They may be able to do (the installation) more quickly. The vendors will do the install.
 - n. With Mass Saves they do a building audit and figure out a scope for different projects and their Returns on Investment (ROIs). Often the lights are the best ROIs. They'll come back with a price, for this much money we can do this much, here is the timeline, the ROI, then they do the work. We don't have to do the work in-house. If you choose to do it in-house that is fine. Marc thinks it is better to have the vendor to come in and do the projects, maybe we pick up a few, he hasn't talked to Steve and Gary about this. With all the projects he has seen with RISE, one of NH Saves preferred vendors, they come in to do the work.
 - o. Dependent upon the type of work – in Mass the insulation work you pay 10 cents on the dollar. It is good to get a comprehensive look about where we can do the projects and what we can do from a menu of options. This may include replace circulator pumps in HVAC systems that save 85% of the electricity with very good incentives. Our circulator pumps are exterior, we have them everywhere.
 - p. Our open LED options are: NH Saves, and the responses from the two LED vendors.
 - q. Marc expects the NH Saves / RISE audit report within 6 weeks.
3. [18:45] HVAC energy usage
- a. after reducing hours of operation from 5am – 11pm to 6am to 7pm (M,T,Th,F). On Wednesdays we have custodial staff in the building it runs from 8am to 5 or 6pm. This energy usage information is not in the system. We will need to check with Unital.
 - b. Previously we were trying to run the systems 24 hours a day to increase circulation. We should ask TRANE when they should be up and running to maximize airflow in the building. **Gary** and **Marc** will follow up on this.
4. [21:00] Demand Response follow-up CPower and Freedom Energy:
- a. Kim and Marc spoke about this after the last meeting. Maria looked at this. We don't need to have a warrant article to follow up, however NH Public Utilities has a list of companies that do Demand Response. We should have 2-3 companies give us a proposal. Kim volunteers **Marc** to follow up after he reviews the minutes from the previous Energy Committee Meeting, though HVAC is still the highest priority.
 - b. The vendors that presented would install an electric panel with fine grain electric use reporting.
5. [24:00] No warrant article on Power Purchase Agreement for Solar this year. Danville had a PPA warrant article before they approved a vendor. TRSB board member Shawn O'Neil was supposed to talk to attorney Jim O'Shaughnessy about whether we need a warrant article. **Barbara** to reach out by January 12 (that didn't happen).

6. [25:30] New project proposals with rapid return on investment. Gary mentions the courtyard windows. He believes the audit will mention those. The curtain windows are also on the CIP. Steve said Unitil may offer an incentive for insulated windows. Marc agrees RISE will probably include this among other projects
7. [26:50] Rough out schedule for PPA project: No progress. Kim believes we need a warrant article to move forward. Barbara states we can start shopping without a warrant article. Kim believes we will get a better response from vendors if the voters have approved something.
 - a. At a year out we should look at more than Sandown North because we have several new roofs: Atkinson, Pollard, TRMS, Sandown Central, and Sandown North. Danville will have a new roof soon. Pretty much only the high school has an old roof.
 - b. Marc will mention to RISE that we are positioned well for solar at least as far as the age of roofs.
 - c. RISE should be able to connect us with people.
 - d. Kingston and Exeter have solar, so there has to be some way to do it.
 - e. Gary reached out to Sanborn. Waiting for callback from someone about the solar they have there. That is different because they installed the solar when they built the school. Same with Exeter.
 - f. Proctor Academy went the PPA route.
 - g. **Gary** will send an email to facilities directors around the state to see if any of them have experience with a PPA project.
8. [34:00] Next Meeting Date Wednesday March 3 at 7pm, which should allow us time to receive the RISE audit recommendations. The committee prefers Wednesday nights other than 3rd Wed.
9. Meeting adjourned at 7:38 PM