

Timberlane Regional School Board Energy Committee

March 3, 2021 7pm

Energy Committee Members Attending: Brian Boyle, Kim Farah, Barbara Kiszka, Steve Paradis, Maria Watkins

Also attending: Marc Fournier

Absent: Gary Paradis

Link to March 3, 2021 meeting is at [Zoom recording](#)

1. Minutes Approval
 - a. Jan 6, 2021 minutes– Mr. Boyle motions to Approve, Mr. S. Paradis seconds, **Approved** 3-0 with Mr. Boyle and Ms. Watkins abstaining.
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.
 - b. Inside LED conversions completed by Timberlane employees
 - i. High school and middle school hallways
 - ii. High school cafeteria
 - iii. Middle school cafeteria and library
 - c. We have estimates from RISE for Sandown Central and Sandown North which include installation and materials, they did not break labor out separately.
 - i. Sandown has NH Co-op for an electric provider and their rebates are lower than Unitil, only 20%
 - ii. Sandown Central has Eversource as an electric provider.
 1. Total cost of the RISE project is \$53,000 with a 50% rebate the net cost is \$26,000
 2. Savings is estimated to be \$13,500/year
 3. Payback period is about 2 years.
 4. Mr. Steve Paradis says if we did it the cost of materials would be only \$14,000 if the existing fixtures were retrofitted with LED drivers in the tubes.
 - a. These are eligible for a rebate from Eversource, specifically selected fixtures eligible for rebates.
 - b. The lenses on the old fixtures are yellowed. Replacing the lenses costs more than replacing the fixtures.
 5. The cost for new fixtures (vs retrofit) would be close to \$25,000. These are **not** eligible for a rebate from Eversource.
 6. Mr. Fournier suggests a meeting with both Mr. Steve and Gary Paradis, and Rocky, the representative from Rise, to discuss estimated labor time.
 - a. Mr. S. Paradis said he updated over 200 drop-ins in the high school in a week and a half by himself. The estimate for Mr. S. Paradis to convert both Sandown schools is about 80 hours /

- two weeks. These are our smallest schools. The largest school, the high school, would take about a month.
- b. We need to confirm with the electric company we would still get a 50% rebate on the in-house job, because that would make the net cost \$10,600, with a payback period of less than a year.
- d. [16m:25s] Discussion on the target timeline of getting all of the schools converted to LED in one year with Rice Electric versus doing all the installs ourselves, which might take more time, since relamping is not the only thing we have to do. Decide to wait for:
 - i. the free reports from Rice on the rest of the schools – eight or nine reports.
 - ii. Information from the electric companies for each of the schools on the expected % rebate on the fixtures if we do the install ourselves.
 1. Some fixtures, such as the bathroom lights in TRMS and Pollard are eligible for a 75% rebate.
 - iii. A better idea of how much time it would take to convert several of the schools ourselves
 1. May include votech students from the electric trade to help. They will be supervised by a master electrician, Mr. Steve Paradis, they get their hours in, so it is a win-win. We did this last year when converting the high school.
 2. [24:26] Sandown North is not as high a priority because the rebate is low and the payback is longer. This is a particularly good candidate for doing a retrofit rather than a replacement in-house when we have time, so that the payback is not as long.
 3. Other electrical work over the summer. No big projects.
 - a. The electrical panel for the on-demand power reduction project will be installed by the electricians from that company, CPower. Maria Watkins notes It will cost us \$2,500, however it will be deducted from our first check from them, so nothing out of pocket. The program will start monitoring in July. At the end of July, they will propose a plan that we can follow to get the best out of it.
3. [34:22] Mr. Fournier is waiting for the Trane report on the air exchange testing. We already had a report on our HVAC equipment and how it was performing.
 - a. No firm data on energy use results after reducing the hours HVAC was running in the buildings. We may be running them longer now that there are some sports activities in the building after school.
 - i. [38:07] Steve Paradis will send an email to Gary Paradis asking about the current hours HVAC is running, and recommendations on if it should be different to conserve energy while keeping adequate airflow.
 4. [38:17] Solar Power Purchase Agreement (PPA). Nothing new since last time. Ask Marc Fournier to help us rough out a schedule for when we should start having PPA people come in so we can be prepared for a Warrant Article in 2022.
 - a. Mr. Fournier has experience with solar, but not PPAs. He will check with contacts.

- b. Ms. Watkins will ask her Business Administrators networking group if they have experience with PPAs
 - c. [42:02] If that doesn't get the information we need; we can go out to the Facilities folks in the school districts. We could ask Gary Paradis to send an email out to his network.
 - d. Barbara will give Marc the presentation we got from Revision Energy, which works with the PPAs.
5. [43:42] Next Meeting Date Wednesday April 7 at 7pm, which should allow us time to get more information back from RISE on the LED projects and give Mr. Paradis time to work out a proposed schedule for what they can handle this summer.
- a. The committee prefers Wednesday nights other than 3rd Wed.
6. Meeting adjourned at 7:45pm