

Timberlane Regional School Board Energy Committee

May 5, 2021 7pm

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

Also attending: Marc Fournier

Absent: Gary Paradis

1. Minutes Approval

April 7 2021 minutes–Brian motions to Approve, Maria seconds

Approved 5-0-0

Mr. Boyle – yes

Dr. Farah - yes

Ms. Watkins – yes

Mr. S. Paradis – yes

Ms. Kiszka - yes

2. LED Conversion Project Status

- a. 5 RFP responses came in for the LED fixtures. Bids were opened yesterday on May 4.
- b. Lowest bidder did not quote correct components for 2 fixture sizes, so they were eliminated.
- c. Four higher bidders were all good. Took the lowest of those.
 - i. Northeast Electric's bid came in lowest at \$215,000 quoting RAB fixtures. They work with Unitil for the rebates, so that is an added plus.
 - ii. Other bids were \$304k, \$305k, \$341k, all from out of state: CT, NJ, GA
- d. Waiting for PO to be finalized
 - i. How much do we want to spend on the LED project this year?
 - ii. We can fit this in under maintenance and repair
 - iii. Steve Paradis wants \$20k of lighting to get going on the High School (HS), then we can order rest of the lights.
 - iv. \$84k will cover HS, Middle School (MS), and Performing Arts Center (PAC). Steve Paradis told Unitil we will get those 3 buildings done by the end of calendar year. We will do the rest of the buildings in 2022.
 - v. Kim Farah, Brian Boyle, and Barbara Kiszka approve \$85k for the LED project for this fiscal year. The sooner we spend it, the sooner we get it back.
 - vi. If we have a large end of year surplus, we could use more for this project. However, we want to give some of the surplus back to taxpayers.
 - vii. We must store the lights. We could use the modular classrooms for storage, but they are being used. The mod classrooms are energy hogs and should not be used. There should be empty classrooms in the school that we can use instead. We are down to 3 teams in the MS. Steve Paradis can ask Northeast Electric for 500 lights at a time up until June 15 when classrooms should be empty. He can get the rest then and easily store them in empty classrooms.
 - viii. Steve Paradis and team will be adding occupancy sensors to rooms that do not have them so lights will turn off automatically. He has a bunch of sensors on hand, should not need to get more.

- ix. Steve Paradis will reach out to Tim Brown about which tech students would want to help with the install.
3. Review feedback Regarding Power Purchase Agreements (PPA) for adding solar panels for one or more schools.
 - a. Marc Fournier read the Revision Energy PPA proposal. Nashua had the most projects done by Revision (schools, fire stations, and more). Marc reached out to the Business Administrator (BA) in Nashua. They will meet on Friday May 7. He will ask: How was it to work with Revision? What payback period are they seeing? Are they happy with the work? Etc. Marc will email the feedback before our next energy committee meeting.
 - b. Marc Fournier will reach out to Dover. They have completed a High School project with Revision.
 - c. Competitors to Revision? Revision is rated very highly. Didn't hear of anyone else negotiating PPAs.
 - d. Maria Watkins asked in the BA group, and Nashua responded. Maria gave Marc the contact.
 - e. Maria will get the BA contact in Dover. Kim spoke to the Dover BA several years ago and found her very helpful.
 - f. Other schools have added solar as part of new construction, but that is quite different than what we are doing.
 - g. Have a request to ? to get a list of schools and age of the roofs. Previously we identified Sandown North (SN) as the most likely first candidate for solar, the roof was replaced in February 2021.
The Middle School back of building roof was done over the winter / spring, so it may be a good candidate after SN.
Start with one school. Probably in the summer. See how that goes.
 4. Entertain new project proposals with rapid return on investment
 - a. Marc Fournier brought up a suggestion from RISE – put aerators on hand sinks to save water. Could get free aerators to reduce the cost to heat and move the water. Good payback period. Put a 0.5 gal/minute aerator and most people would not even know the difference, while reducing water use by 75%.
 - b. Steve Paradis would not change the dishwashing sinks in the kitchens. Agreed, but could possibly change the sprayers.
 - c. Marc Fournier is getting a list of sinks in the building from RISE. There are different styles of sinks, but the aerators are pretty generic.
 - d. The showerheads in the locker rooms- we have a funky design that is plumbed in through the ceramic tiles – tough to change.
 - e. Whoever is doing the plumbing in the schools over the summer, get a list of sinks, ask utility to subsidize. It will be less than \$10k.
 - f. Get 200 aerators, install over the summer. Track installation locations in a spreadsheet, keep the old aerators, then ask Unitil for rebate. Good PR opportunity to encourage the community to replace aerators at home.
 5. PR: Barbara Kiszka contact Carriage Towne News, Larry Kennedy, about taking pictures of interns getting their hours in late June / early July. Give Gary Paradis as contact.
 6. Other business
 - a. CPower metering system install is complete.

- The system is up and running.
- Who gets the reports? Marc Fournier will find out. Forward Steve Paradis as a contact.
- If we get a request from CPower to reduce power, they will coordinate with Gary Paradis. Gary Paradis will pass info on to Steve Paradis and Kevin Bartose to effect the change.

7. Next Meeting Date – Wednesday June 2, 7pm

a. Agenda to include:

- i. LED project status update
- ii. Aerator follow-up
- iii. Discussion and action on Solar Power Purchase Agreement next steps

7. Adjourned 7:42pm