

Energy Committee  
December 2, 2015 – 8:00 a.m. – Lower Level Meeting Room  
Town Hall

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Present: Doug Briggs, Mark Carlisle, Ed Vitone, Kyle Johnson, Mike Rivers, Dick Reynolds, Larry Barrett and Sylvia Turcotte.

The meeting was called to order by Chairman Mark Carlisle, at 8:00 a.m.

I. Discuss and approve LED lighting for Public Safety Building.

Mark Carlisle asked Larry Barrett to give the information to the Committee on this topic. Chief Barrett stated that this is being requested per the Energy Audit recommendation. He noted that there are approximately 350 fluorescent bulbs in the building and they have changed 60 so far. He stated that there are bulbs out in the apparatus bay and the police garage that need to be replaced. He added that the old bulbs used 252 watts each while the new ones will use only 60 watts. He stated that the quotes which he received from Ron Cormier, local electrician, are as follows (approximately \$15,000):

8 parking lot lights - \$7,300

Flourescent bulbs - \$4,500

Apparatus Bay - \$2,800

He noted that they would look to replace the lights at the front door later at a cost of about \$300 each. Mike Rivers noted that using the original ballasts was the most efficient way to go.

Ed Vitone had a concern regarding the grant money that would be remaining to be used for the Library. Doug Briggs stated that once the \$150k was consumed we could apply for more, with the odds of getting more at 90% per Kelly Brown and added that as long as it's in the audit then we're okay.

***Ed Vitone made the motion to go forward with the plan for the Public Safety Building LED light replacements and was seconded by Kyle Johnson. Motion carried.***

II. Library

A. Discuss visit from Daikin, Webb and A&R concerning split systems

Ed Vitone stated that his concern was how good this system would be and how far down in temperature can we go. He noted that with the technical changes we could go down to negative 13 or even negative 20. He stated that he would contact them again. It was noted a similar system was put in at either Weston & Sampson or Tighe & Bond and they put in a back-up system as they had reservations but as it turned out it wasn't needed, it worked fine. Mr. Vitone

also noted that the 3,000 gallon oil tank in the ground at the Library is a liability to the Town and needs to be dealt with.

*B. Discuss Roy Bros. oil boiler replacement quote*

*C. Review R & C Technologies 2 boiler proposal*

Ed Vitone noted that Roy Bros. is familiar with the system as they have done maintenance on it for many years. He added that their quote was approximately \$17k which included one burner. He noted that R & C Technologies quote was similar in work but would have two boilers at a cost of approximately \$30k. Both quotes involved replacement of the circulating pump.

Mr. Vitone noted that there are other issues as well such as the air exchange system which needs to be done and is not in the quote but would be covered in the split system. He also noted that their current boiler was plugged with sealant by R & C Technologies and so far it's holding up well.

*D. Discuss insulation issues, outside door gaps*

Ed Vitone distributed a spreadsheet with information for the members. He noted that the total roof insulation area measures 3,700 sq. feet and that 5% is uninsulated while 95% is. He stated that the gable ends and knee walls are not insulated and that if it was all insulated they would save about 1,300 gallons of heating oil each year. He added that the first floor is all insulated and there were two options to insulate the remainder of the building. One was to construct a false wall with an air gap between the brick and the inside wall and insulate or two to spray the brick directly with foam insulation. He stated that they should go out and get quotes as soon as possible.

He stated that regarding the preservation room, Emily Donnelly, the Director, supported the spraying and Margaret Donovan also agreed. He stated that he would get a consensus from the Trustees at their next meeting in two weeks. He also added that if they go with a split system, it would include the preservation room.

Dick Reynolds, the Town's Building Commissioner, stated that poly foam insulation works very well but that if we put a vapor barrier on fiber insulation the area would need to be vented in order to avoid roof rot. Mr. Vitone stated that they could use the icing foam which would eliminate this possibility but it is more expensive. Doug Briggs asked if \$135k would be enough to cover the cost and Mark Carlisle stated that it would not as the split system is at least \$100k. He noted that they could go with icing foam the whole thing and then see what the split system would cost and maybe look at more funds. Mark Carlisle inquired about the savings of poly foam versus icynene and Ed Vitone stated that they could save 2,000 gallons of

heating oil a year. He added that it would be a 10 year payback at \$3.00 a gallon for heating oil.

It was noted by Mr. Vitone that they should document why we should spend more on this project.

Doug Briggs noted that the \$12,500 grant was used to do the audits on the three buildings and there is \$1,500 remaining. Mr. Vitone stated that Mr. Briggs should contact Kelly Brown to see about more funds and to let her know about the situation. Mark Carlisle agreed. Ed Vitone stated that they should go forward with the insulation now as they are losing money. Mr. Carlisle stated that they should contact Foam Run and get the RFP out. Ed Vitone also stated that he would expedite the quote on the split system. Mark Carlisle noted that if we can show the cost savings we should get the additional funds.

E. Lighting

Ed Vitone stated that the Library needs to be re-fixture. Mike Rivers stated that a Graybar Rep could walk through and look at the fixtures and let us know what needs to be done. Mark Carlisle stated that he thought Kim Boas had a quote on this already and asked Doug Briggs to get his numbers which was for fixtures and bulbs and Mr. Briggs noted that the quote also included the Town Hall.

III. New Business (if any)

Mike Rivers stated that they need to do an energy audit at the Light Plant at a cost of \$4,500. Doug Briggs noted that it wasn't part of the focus for the grant but that they could do that when we ask for additional funds or they may be another grant for that. He stated that he would check.

IV. Adjourn

***At 9:12 a.m. Ed Vitone motioned to adjourn the meeting and was seconded by Kyle Johnson. Motion carried.***

Respectfully submitted,  
Sylvia Turcotte  
Executive Assistant