

Hillsboro Energy Commission Unapproved Minutes  
December 2<sup>nd</sup>, 2021; **Bolded items are things to-do**

Meeting opened at 6:10 PM. Attendance: Brett Cherrington, Chairman; Adam Charrette, Vice-Chairman; Sue Durling; Jon Daley arrived 6:35PM

Secretary's report:

Minutes of 11/11/2021: Motion to accept by Adam, seconded by Sue. Passed unanimously.

Street Light Bid

Bids were opened by the selectmen at their previous meeting and we reviewed each bid. The amount of work in preparing the bids varied widely between the different vendors. Some vendors charge extra for our requested street light analysis and some include that work in their proposal. The range is between \$51K and \$69K before energy rebates. Some vendors have "smart" or networked devices available, though the general consensus was that the networked devices are too expensive and more features than what we need. We are interested in the night-time set back (lights that dim at a certain time, and/or have motion detectors to brighten back up when people are within range). Only one vendor appears to have set-back lights that don't require networking (with the associated monthly costs).

The two vendors we primarily discussed were Affinity and Efficient. Efficient has a number of benefits over Affinity: lower color temperature, lower BUG (backlight, uplight, glare) rating, better catalog of parts. Affinity's main benefit is that they are a NH company and manufacture their own equipment.

We will recommend Efficient to the selectmen and will talk to Efficient about night-time set-back and if their smart product would be a good fit for us. We look forward to working with them and analyzing where we can save lighting and money by reducing fixtures and lumens in appropriate places.

Energy Audit

We also received some of the building audit reports from Shakes to Shingles and we quickly reviewed some of the proposed changes. Jon asked about the lack of payback periods in the reports and Rich said he would look into that. Rich did note that the state funding for these projects has been cut by 50% so we might have a hard time getting state funding to help with the cost of these projects.

The police station had the highest cost of improvements, due to the ceiling being inadequate and requiring new OSB put in on top of the trusses, forming a new air-tight barrier, which requires a lot of labor. We are interested in the pay back period to see if that part is worth working on.

Shakes to Shingles will not work on the Youth Services building until the water issue and structure is fixed in the basement.

We noted that the estimate for installing programmable thermostats seems excessively high, and wondered if we should buy thermostats on our own. It would be to know current building practices of the thermostats and if they manually set them down at night, or if they are heated all night long.

If we were to do all of the suggested improvements to all buildings, the cost would be ~\$250K, though we have not yet received the fire station and library reports.

In any case, we will recommend some increased funding in the building capital reserve fund to hopefully get some of these projects done in 2022.

Next meeting at December 8<sup>th</sup> with the selectmen.

Meeting adjourned at 8:51 PM, motion to adjourn by Sue, seconded by Jon, passed unanimously.

Respectfully submitted,  
Jon Daley