

Street Light Quotes – Summary

October 2023

To summarise the quotes in the spreadsheet:

- to convert all current non-LED lights to LED
 - Volker £16,561
 - Enerveo **£15,080**
- to trial keeping 13 lights on and switch off 25 and then to decommission & remove 25 at end of trial
 - Volker £44,180
 - Enerveo £27,046
- to trial keeping 13 lights on and switch off 25 and then decide to switch all lights back on at end of trial and convert remaining non_LED to LED
 - Volker £18,455
 - Enerveo **£17,080**

Volker have quoted to supply LED lights with min wattage 27 , Enerveo have quoted to supply nearly all of the LED lights with wattage of 16. Therefore the environmental savings are different and on-going costs with lower wattage lights would be less.

Lights 2,4,7,8,9,10,25,29 are currently LED and are not included in any upgrade in this project. However the temperature colour is not 2700 kelvin, they are not shaded as the upgraded lights will be and also the wattage of them is higher than the upgraded ones. Therefore it may be that in the future these lights should be re-visited for upgrading. Or if the decision is to convert all current non-LED to LED then these lights could be included in this retrofit subject to a further quote for these lights.

The maintenance costs of LED lights is less then the old sodium lights so the ongoing maintenance cost will go down.

Note that it is expensive to decommission & remove lights. Therefore if we do carry out the trial and it is successful we will be committed to removing the proposed lights and the costs involved. What we need to consider as a parish council is whether this is cost effective for the resulting gain in energy & financial savings.

In my calculations, I convert kWh to kg of carbon released based on the Greenhouse gas reporting conversion factor from the Department for Business, Energy and Industrial Strategy. The conversion factor is 0.23314kg CO2 saved for each kWh produced from a carbon free source.

When we have decided on an option I suggest we add a contingency figure of 10% to this cost to cover any unforeseen expenditure.