CONGLETON TOWN COUNCIL

COMMITTEE REPORTS AND UPDATES

COMMITTEE:	Environment Committee		
MEETING DATE	21 st September	LOCATION	Town Hall
AND TIME	2023		
	7.00pm		
REPORT FROM	Streetscape Development Manager – Ruth Burgess		
AGENDA ITEM	11		
REPORT TITLE	Update on Decarbonisation of the Town hall		
Update	Our Town Hall Manager has been working on many aspects in how we can reduce our carbon footprint of the Town Hall Building bearing in mind it is a Listed Grade Two Building, below is a table showing what has been looked into, completed and working on: Taken for THAS Committee 20 th October 2022		
	Short Term Improve understanding and us system — led to other works LED lighting to replace T8 fluor replacing as broken — all fire ex replaced to LED PIR sensors throughout in apprevalue with PIR/DALI content throughout with PI		eplace T8 fluorescent lamps – ongoing ken – all fire exits and emergency lighting ughout in appropriate areas existing PL CFL luminaires with LED – PIR/DALI controls (as appropriate) o chiller/cooling systems are and domestic hot water heat distribution dtration - external doors, and internal walls in (e.g. first/second floor offices) dtration – windows – getting a quote for ag w/c 24/4 heat destratification in the main hall infiltration / air flow through main stair well action in newer offices at rear of building ace existing fan coil units with low its in main hall ree heat pump for DHW heating at rear of
	•	building	ng units - ideally throughout, priority areas

		Any potential to retro fit roof insulation in between sarking/felt and external slates		
	Roof insulation over offices in main building			
	Internal roof insulation - Bridestones Suite			
	11	Solar glass to replace external plexi-glass over circular windows in main hall		
	Any opportunities for	Any opportunities for solar PV on invisible parts of the roof		
	Taken from THAS Committee 9 th March	2023		
	 Hot water heaters - provides hot water for the commercial kitchen and main hall toilets. New timers have been installed to match the demand of users – based on current demands this has been reduced to 3 hours a day (from 24 hours a day). Projected savings: 			
	Annual savings in kWh of electricity	approximately 70,000 kWh pa		
	Annual commercial saving	approximately £185 pa		
	Annual carbon footprint reduction range	between 13,700 and 15,000 Kg pa		
	Payback period	between 3.5 and 2.5 years		
	 Space temperature sensor in the main hall This sensor was incorrectly placed above a radiator, providing instruction to the heating system to shut down. This resulted in the heating being switched to manual permanently to bypass the temperature sensor to heat the building. This work is in preparation for the next phase of updating the heating control software and re-commissioning the heating controls. Insulating heating and hot water pipework The Streetscape team insulated exposed pipework throughout the Town Hall to improve general efficiency and reduce heat losses. 			
	Cost to implement	£ 86.10 (may increase due to the need for additional insulation)		
	Annual carbon footprint reduction range	Difficult to estimate as no baseline is available		
	range	available		

To receive the report.

Financial

Equality

Considerations Environmental Considerations

Considerations

Decision Requested