



Reference: RFI 1811015

Request:

Under Freedom of Information rules I would like to know the following:

1. Are you the local authority responsible for streetlights in your area? (If no, please go directly to question 7)

Yes.

2. Have you, or are you in the process of changing your streetlights to LED lighting? If so, please can you tell me how many lights or the percentage of lights which are now LED.

The Council has recently changed 7,173 luminaires to LED.

3. If you have or are changing your streetlights to LEDs can you give estimates for:
 - a. the amount of CO2 saved annually compared to the old lighting

In 2018/19 the LED's will reduce electricity consumption by 3,198,106 kilowatt hours. Using the electricity carbon conversion factor of 0.38146, this is the equivalent of 1220 tonnes of CO2e.

- b. the amount of money saved annually compared to the old lighting

In 2018/19 the LED's are anticipated to reduce electricity cost by £406k. There is also a maintenance saving of £9.7k

4. If you have not changed your lighting to LEDs please can you say what the main barriers (eg, cost) are to doing so.

The Council is developing the business case to convert the rest of the portfolio to LED.

5. Do you operate a system of either dimming or switching off streetlights for some of the hours of darkness? If so, please give details (times/percentage of lights etc)

Yes. 10,317 lights are dimmed and trimmed. They are dimmed to 75% full power from switch on to switch off. However, they are additionally dimmed to 65% full power from midnight to 05:30am. They are also 'trimmed' by 20 minutes on a morning and 20 minutes on an evening.

3,060 lights are on a part night switch off programme. This operates between midnight and 05:30am.

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6. If you operate such a system, can you give estimates for:
 - a. The amount of CO2 saved annually from the system

These initiatives reduce electricity consumption by approximately 2,706,209 kilowatt hours. Using the electricity carbon conversion factor of 0.38146, this is the equivalent of 1032 tonnes of CO2e.

- b. The amount of money saved annually from the system.

In 2018/19 these initiatives are anticipated to reduce electricity cost by £343k.

7. How many street light electric vehicle charging points are there in your area?

None.

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