

Thank you for your recent freedom of information request, for ease we have provided our response alongside each point as follows:

- 1) i) When the decision to install LED Street lighting was taken - Policy Committee, September 2013.
- ii) When the first installations were made - January 2013 trials were carried out on four roads in Nottinghamshire.
- 2) i) Whether more than one type/manufacturer of light was considered or is being installed - Four lantern manufacturers were used in the trial.
- ii) The relevant comparable costs per unit - The current cost of the LED street light ranges between £150 - £330 depending on the category of the road.
- iii) The cost per unit of installation - between £25 -£35 per unit to install the lanterns, depending on the category of road.
- iv) The company(s) used for installation - NCC Operations, Platinum Electrical, Trust Utility Management.
- 3) i) Whether any risk assessments or other research was carried out as to the safety in operation of this type of lighting - There are BS which lighting manufacturers have to meet, these include luminaire requirements, photobiological safety of lamps, EMC limits there are also LIA and public health requirements, if you require further detailed information for each lantern it would be best to contact the lighting manufacturer direct.
- ii) The professional qualifications of the person or persons carrying out these risk assessments/research - Refer to lighting manufacturer.
- iii) Copies of same i & ii) above - Refer to lighting manufacturer.
- iv) Whether any comparison was made between the efficiency of existing sodium lighting and LED or whether decisions were made solely on financial considerations - Comparison of lighting designs were carried out to look at luminance levels as well as energy calculations. The luminance levels are paramount as we have to meet British Standards, energy savings are obviously a bonus in terms of reductions in energy/carbon and costs implications.
- 4) i) The remaining life span of the existing lighting fixtures currently being replaced - We are replacing SOX lights which have been in situ between 15-40 years so these are generally end of life as you can no longer purchase parts and the manufacturers have stopped making them.
- ii) The projected life span of these LED units compared with that of the existing fixtures - Our current LED's are under warranty for 25 years.
- iii) The projected savings, per unit, per annum, of the LED lights, factoring in the write off value of the existing fixtures (with calculations) - This depends on the type of lanterns and category of the road, general between 60%-70% in terms of energy savings.
- iv) The total projected cost of the project, i.e., if these lights represent 49% are 100% being replaced, to install the LED lights - The project cost is 8.8m over four years, this will address approx. 80% of stock, some being SOX to LED lanterns and some dimming and renewal of drivers on existing lanterns.
- v) Whether there is a known % failure rate of this type of light - Would need to contact the manufacturer
- vi) The kelvin rating per lamp - 4000
- 5) i) Whether any recording/monitoring will be undertaken of complaints regarding the effects of this type of street lighting - We have an Highway Asset Management System which records faults/complaints, this can be searched for certain issues.
- ii) What level of cover is provided by your insurance to compensate those affected and under what circumstances - Those affected by what? We would need more information on this and then refer to NCC insurance.

I trust the above information is of assistance to you.

If you wish to raise any concerns about the way your request was dealt with, then please write to the Team Manager, Complaints and Information, County Hall, West Bridgford, Nottingham, NG2 7QP or e-mail [foi@nottsc.gov.uk](mailto:foi@nottsc.gov.uk) quoting the reference number above.

With kind regards  
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