

Appendix 1 – Summary Lighting costs

Running Costs per year for the Existing Lighting at Magherafelt Council Depot and adjacent Council Carpark

Section	Existing lighting	No. Req'd	Average (mode) Watts	Approx Power Used (W)	Total Power Used (W)	Annual Run Hours	Total kWh consumption	Unit cost of electricity (based on winter peak)	Total Cost
Magherafelt Council Depot Yard and adjacent Car park	54No. Metal Halide	102	400	3876.4	40328.2	2000	80,656	£0.17	£13,711.59
	28No. Highbay								
	6No. IP65								
	2No. ARF								
	12No. Lowbays								

Forecasted Running Costs per year based on Energy Efficient LED Lighting

Section	Proposed Lighting	No. Req'd	Average (mode) Watts	Approx. Power Used (W)	Total Power Used (W)	Annual Running Hours	Total kWh consumption	Unit cost of electricity	Total Cost
Magherafelt Council Depot Yard and adjacent Car park	47 No. 150watt LED Floodlight	102	150	150	13790	2000	39,344	£0.17	£6,688.60
	6No. 5ft LED Twin IP65 CP55								
	2No. 5ft LED Single IP65 CP30								
	40No. 150watt LED Highbay								
	7No. 50watt LED Floodlight								

Installation Costs for the new Fittings

- Estimated material costs for new LED fittings - **£14,235.00**
- Estimate cost for the labour and plant hire costs - **£12,765**

Summary of Costs without Energia grant on Materials

Project Investment (materials only)	£14,235
Project Investment (labour & plant hire)	£12,765
Total Project Spend	£27,000

Current electric Spend	£13,711.59 (based on peak rate)
Post investment electric spend	£6688.60 (based on peak rate)
Potential annual saving	£7,022.99

Payback on total overall investment – 3.84 years

Summary of Costs including 20% Energia grant on materials

Project Investment (materials only)	£11,388
Project Investment (labour & plant hire)	£12,765
Total Project Spend	£24,153

Payback on total overall investment – 3.43 years