



EXECUTIVE MEMBER DECISION

REPORT OF:	Executive Member for Resources
LEAD OFFICERS:	Director of Growth and Development
DATE:	18/01/19

PORTFOLIO/S AFFECTED:	Leisure Culture and Young People	Regeneration
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WARD/S AFFECTED:	Darwen West	Blackburn Central
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SUBJECT: LED Lighting for Darwen Leisure Centre and Blackburn Market

1. EXECUTIVE SUMMARY

The lighting around the pools at Darwen Leisure Centre and above the public walkways at Blackburn Market is failing and needs to be replaced. Replacement with LEDs would reduce running and maintenance costs. In using less electricity, LEDs cut carbon emissions and so it is proposed that the cost of the replacements is met from the carbon management programme capital budget.

2. RECOMMENDATIONS

That the Executive Member:

- I. Approves the use of the carbon management programme budget to replace the lighting at Darwen Leisure Centre;
- II. Approves the use of the carbon management programme budget to replace the lighting at Blackburn Market

3. BACKGROUND

The lighting proposed for replacement at Darwen Leisure Centre and Blackburn Market has been in use since the sites opened, making it almost 10 and 8 years old respectively. The LEDs that would be installed as replacements have a luminaire output guaranteed at 60,000 hours before any degradation of light output – 12 years for both sites – and cut electricity consumption, based on like for like use, by around 30%. LEDs are expected to be maintenance-free for their lifetime.

Replacement is becoming pressing, particularly at Darwen Leisure Centre where poor lighting levels can compromise the safety of pool users.

The lights around both large and small pools at Darwen Leisure Centre are now failing with increased frequency, displaying various and numerous faults. Each time the seal around a lamp is broken to make repairs the interior is exposed to chlorine-filled air that accelerates the lamp's corrosion and failure. When a lamp fails it compromises pool-user safety as it reduces the lifeguards' ability to see people in the water.

LED technology is now sufficiently advanced to enable manufacturers to design luminaires suitable for use in a pool environment and also provide similar light levels as the existing lamps.

It is proposed to replace all of the existing lamps with LEDs in one scheme, rather than replace each unit as it fails. This ensures that the correct lighting levels are provided for the pool environment and reduces the overall cost of replacement.

The lamps that light the public walkways in Blackburn Market have been failing for over two years. The cost of repairs is now around £1,000 pa and expected to rise as more repairs are required. It is proposed to replace all of the lamps at the same time to keep installation costs to a minimum.

The estimated scheme costs and expected savings from each scheme are set out below;

Location	Fittings and Installation	Electricity Reduction pa		Maintenance Saving pa	Payback (Years)
		kWh	Cost		
Darwen Leisure Centre	£31,703	30,200	£3,785	£1,000	6.6
Blackburn Market	£43,892	34,000	£4,000	£1,000	8.7
Totals	£75,595	64,200	£7,785	£2,000	7.7

The expected payback calculation takes no account of expected electricity price raises.

All installation work and equipment testing would be carried out by the Council's own property maintenance staff, and completed no later than the first quarter of 2019/20.

There are insufficient resources in the property maintenance budgets to meet the cost of the lighting replacement. Both schemes will achieve energy efficiencies and carbon reduction and so it is proposed they be met from the Council's carbon management programme budget. This will reduce the finance available for solar PV installation, which is the subject of a separate report, but due to the gradually more pressing need for replacement lighting at these sites, these schemes need to be given priority.

4. KEY ISSUES & RISKS

The Maintenance Team has established that suitable lighting units are available for both sites and have investigated potential costs of the fittings and associated installation.

The schemes would improve lighting at both sites, reduce running costs (and carbon emissions) and cut maintenance costs.

The schemes have a payback of over 7 to 8 years.

The balance of the carbon management programme budget is sufficient to cover the cost of both schemes.

The frequency with which the lights are failing, particularly at Darwen Leisure Centre, may lead to customer dissatisfaction with and complaints about the lighting conditions.

5. POLICY IMPLICATIONS

The proposal contributes to the Council's carbon reduction targets.

6. FINANCIAL IMPLICATIONS

The estimated cost of the scheme is £75,595. The scheme will result in savings of £3,785 pa on electricity bills at Darwen Leisure Centre and £4,000 at Blackburn Market. Maintenance costs of £1,000 at each site are expected to be saved each year.

7. LEGAL IMPLICATIONS

The Council's Contract Procurement Procedure rules will be followed in getting quotes for the materials. The value of the Procurement will be below the threshold for the Public Contracts Regulations 2015 to apply. Contracts for the supply and installation shall be in an approved form.

8. RESOURCE IMPLICATIONS

Staff time has been required to develop both lighting schemes and will be needed to oversee implementation of the scheme.

9. EQUALITY AND HEALTH IMPLICATIONS

Please select one of the options below. Where appropriate please include the hyperlink to the EIA.

Option 1 ☒ Equality Impact Assessment (EIA) not required – the EIA checklist has been completed.

Option 2 ☐ In determining this matter the Executive Member needs to consider the EIA associated with this item in advance of making the decision. *(insert EIA link here)*

Option 3 ☐ In determining this matter the Executive Board Members need to consider the EIA associated with this item in advance of making the decision. *(insert EIA attachment)*

10. CONSULTATIONS

There have been no consultations on this proposal. There have been discussions between Leisure Centre and Maintenance staff.

11. STATEMENT OF COMPLIANCE

The recommendations are made further to advice from the Monitoring Officer and the Section 151 Officer has confirmed that they do not incur unlawful expenditure. They are also compliant with equality legislation and an equality analysis and impact assessment has been considered. The recommendations reflect the core principles of good governance set out in the Council's Code of Corporate Governance.

12. DECLARATION OF INTEREST

All Declarations of Interest of any Executive Member consulted and note of any dispensation granted by the Chief Executive will be recorded and published if applicable.

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CONTACT OFFICER:	Gwen Kinloch
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DATE:	18/01/19
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BACKGROUND PAPER:	None
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