

LED Lighting for Multi-Storey Car Parks

Cabinet	20 October 2016
Report Author	Robin Chantrill-Smith, Civil Enforcement Manager
Portfolio Holder	Cllr Brimm, Cabinet Member for Operational Services
Status	For Decision
Classification:	Unrestricted
Key Decision	No
Reasons for Key	N/A
Previously Considered by	None
Ward:	Margate Central and Central Harbour

Executive Summary:

The car park lighting in Margate and also Ramsgate is very old and expensive to run both in terms of electricity and also ongoing maintenance costs. We have identified a solution to retrofit the existing lighting with LED tubes, this would reduce the annual electric consumption by £24k per annum and have an annual estimated maintenance saving of £10k over the two sites.

Recommendation(s):

It is recommended that we upgrade the lighting in both Mill Lane car park and Leopold Street car park to LED lighting.

CORPORATE IMPLICATIONS

Financial and Value for Money	<p>The cost of the project, for both car parks combined is £70,000, this is repayable over 4 years, i.e £17,500 a year, however after the loan is repaid we will be saving in electricity around £24k per annum, and £6.6k during the loan period. The repayments of the loan would be covered by the annual savings on the energy bills.</p> <p>Repayments for the loan start Six Months after the lights are operational to allow us to accrue savings. Additional savings are made from maintenance, the lights have a warranty of 5 years and we are expected to save £10k per annum over both sites.</p>
Legal	There are no legal implications directly arising from this report.
Corporate	<p>If there are no savings on the electricity bill then we are in risk of not being able to pay the loan back in the time allowed. This would be a low risk as estimates show that a saving will be made on the current energy bills. This scheme fits in with the council's corporate priorities of delivering value for money and a clean and welcoming environment. The environmental impact of this project will reduce carbon emissions by 121 tonnes and have an annual kWh savings of 242,133 per annum across the two sites and a saving of around 66% per site.</p>

Equalities Act 2010 & Public Sector Equality Duty	Members are reminded of the requirement, under the Public Sector Equality Duty (section 149 of the Equality Act 2010) to have due regard to the aims of the Duty at the time the decision is taken. The aims of the Duty are: (i) eliminate unlawful discrimination, harassment, victimisation and other conduct prohibited by the Act, (ii) advance equality of opportunity between people who share a protected characteristic and people who do not share it, and (iii) foster good relations between people who share a protected characteristic and people who do not share it.	
	Protected characteristics: age, gender, disability, race, sexual orientation, gender reassignment, religion or belief and pregnancy & maternity. Only aim (i) of the Duty applies to Marriage & civil partnership.	
	Please indicate which aim is relevant to the report.	
	Eliminate unlawful discrimination, harassment, victimisation and other conduct prohibited by the Act,	
	Advance equality of opportunity between people who share a protected characteristic and people who do not share it	✓
Foster good relations between people who share a protected characteristic and people who do not share it.		
LED lighting will be advantageous in that it will eliminate any dark areas or shades that may hinder the passage of any users of the car park that have protected characteristic or not. By changing the lighting to LED there would be better quality of light right across the car park. With better lighting within the car parks protected characteristic of age, disability, gender, pregnancy and maternity will likely feel safer in the car parks. However, should any information to the contrary arise in future it will be assessed accordingly.		

CORPORATE PRIORITIES (tick those relevant)✓	
A clean and welcoming Environment	✓
Promoting inward investment and job creation	✓
Supporting neighbourhoods	

CORPORATE VALUES (tick those relevant)✓	
Delivering value for money	✓
Supporting the Workforce	
Promoting open communications	

1.0 Introduction and Background

- 1.1 The car park lighting in Margate and also Ramsgate is very old and expensive to run both in terms of electricity and also ongoing maintenance costs. Lighting technology has moved on from the existing lights that were designed and installed in the car parks many years ago. The existing lighting is weighty in the number of Kilowatts it uses, both in carbon dioxide emissions and electricity costs, the fittings are getting old and the heat in the current lamps is not helping their longevity and we are getting increased maintenance costs.
- 1.2 We were hoping to carry out this lighting upgrade project last year with government funding, but we were un-successful in our bid to get funds.

We have identified a solution, with funding, to retrofit the existing lighting with LED tubes, this would reduce the annual electric consumption by £24k per annum and have an annual estimated maintenance saving of £10k over the two sites.

Environmental impact of this project, we will reduce carbon emissions by 121 tonnes per annum across the two sites helping to give a clean and welcoming environment. Annual kWh savings across the two sites will be 242,133 a saving of around 66% per site delivery value for money and promoting inward investment.

2.0 The Current Situation

2.1 We have identified a salix interest free loan scheme. Salix is a central based government loan scheme, which is 100% interest free. We have applied for this scheme and we have been successful in our application. The cost of the project, for both car parks combined is £70,000, this is repayable over 4 years, i.e £17,500 a year, however after the loan is repaid we will be saving in electricity around £24k per annum, and £6.6k during the loan period. The repayments of the loan would be covered by the annual savings on the energy bills.

Repayments for the loan start Six Months after the lights are operational to allow us to accrue savings. Additional savings are made from maintenance, the lights have a warranty of 5 years and we are expected to save £10k per annum over both sites.

There is also an environmental impact of this project, we will reduce carbon emissions by 121 tonnes per annum across the two sites. Annual kWh savings across the two sites would be 242,133 a saving of around 66% per site.

As the value is less than £75k three written quotes have been obtained.

3.0 Options

- 3.1
- 1) Do nothing, pay high electricity costs, maintenance and CO² costs.
 - 2) Complete project out of capital funds.
 - 3) Take advantage of the interest free loan offered by the government for energy savings project.

4.0 Next Steps

4.1 The interest free loan has been offered to us for this project, we have a deadline of August 2016 to complete this however this has been extended due to current timelines.

Contact Officer:	Mr Robin Chantrill-Smith, Civil Enforcement Manager
Reporting to:	Geoff Dunne, Head of Operational Services

Annex List

None	N/A
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Background Papers

Title	Details of where to access copy
None	N/A

Corporate Consultation

Finance	Matthew Sanham, Corporate Finance Manager
Legal	Ciara Feeney, Head of Legal Services & Deputy Monitoring Officer