



Report To:	EXECUTIVE CABINET
Date:	16 December 2015
Executive Member / Reporting Officer:	Councillor Peter Robinson - Executive Member (Transport and Land Use) Ian Saxon, Assistant Executive Director, Environmental Services
Subject:	PLEDGES 2015 – GREENING TAMESIDE LED LIGHTING ROLL-OUT
Report Summary:	This report provides an update of the work undertaken in the first two quarters (April to Sept) as part of the Council's 15 for 15 Pledges to invest £5m in a wholesale replacement programme of 17,000 LED lanterns on residential streets. Reducing the energy costs by approximately £451K/year.
Recommendations:	<ol style="list-style-type: none"> 1. That the report is noted. 2. That the installation programme in Appendix 1 is approved.
Links to Community Strategy:	Prosperous Tameside Attractive Tameside. Supportive Tameside
Policy Implications:	All works are undertaken within the Council's current policies and strategies relating to procurement and managing the street lighting asset.
Financial Implications: (Authorised by Section 151 Officer)	<p>The LED lighting roll out scheme must be delivered within the capital budget of £5m. It is anticipated that £530k of this budget will be spent in 2015/16 and as a result the remaining budget has been re-phased into 2016/17. It is anticipated that of this amount £2.27 will be rephrased into 2017/18.</p> <p>The installation of LED street lighting will reduce ongoing energy costs by approximately £451k.</p>
Legal Implications: (Authorised by the Borough Solicitor)	It is not clear from the report other than referred to in Appendix 1 if the order of LED replacement and investment is to follow the order of the binswap trials reflecting the savings achieved through this scheme. If this is the rationale needs to be clearly stated.
Risk Management:	Managing and maintaining the street lighting asset is a key factor in reducing the risks and liability to the Council
Access to Information:	The background papers relating to this report can be inspected by contacting the report writer Lee Holland, Head of Environmental Services (Design & Delivery), by:
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1. INTRODUCTION

- 1.1 A report was provided at Strategic Planning and Capital Monitoring Panel on 1 December 2014 to assess the viability of the investment in LED technology and the financial options available. This report recommended a wholesale LED lantern replacement programme starting initially with the residential streets (circa 17,400 units over three years) and then undertaking the main traffic routes (circa 9,000 units over two years) when the higher output LED lanterns have sufficiently reduced in price to make the proposal as financially attractive as possible.
- 1.2 The Leader of the Council's 15 for 15 Pledges includes a pledge of £5m for the installation of circa 17,400 LED lanterns on residential streets across the borough.

2. PROGRESS OF WORKS (APRIL 2015 TO SEPT 2015)

- 2.1 We have undertaken an extensive tendering exercise for the procurement of the LED lanterns. The tenders (Chest ref 9VSD-H80PE4) were assessed and the tender evaluation signed off on 15 September 2015. The successful tenderer is Marwood Electrical Co. Ltd.
- 2.2 Now that the lantern supplier has been appointed, the design of each street will be based on the specific output and specification of the lanterns to achieve British Standards requirements. The design process will run in parallel with the installation programme to ensure we meet the timescales for complete installation by the end of March 2018.

3. INSTALLATION PROGRAMME

- 3.1 Tameside currently carries out a planned six year maintenance programme (i.e. every lamp is changed on a six year cycle), after six years the failure rate increases significantly. In order to minimise the number of failed lights it is proposed that the existing maintenance regime is maintained and runs alongside the LED roll-out programme.
- 3.2 The Council has made a commitment to prioritise the installation of the LED lanterns in the areas that undertook the bin swap trials throughout the borough, as shown in **Appendix 1**.
- 3.3 Meetings with the manufacturer have ascertained that the earliest we can take delivery of the first lanterns will be December 2015, therefore the programme has been constructed over a 28 month period, starting in December 2015 with a completion date of March 2018.

4. SPEND PROFILE

- 4.1 As a result of the lantern delivery date the spend profile for this project will need to be adjusted as follows:

	2015/16	2016/17	2017/18
Capital Expenditure	£ 0.53M	£ 2.20M	£ 2.27M
Number of Lanterns Installed	1,992	7,534	7,925

5. RECOMMENDATIONS

- 5.1 Detailed on the front page of the report.

APPENDIX 1

Bin Swap Trial / LED Roll-out Programme

TRIAL 1 (Bin Round)	REGION	WARD	COLUMNS
Ashton	13	Ashton Hurst	345
	14	Ashton Hurst	237
Dukinfield	112	Dukinfield	387
Haughton Green	71	Denton South	79
	72	Denton South	358
	73	Denton South	438
Stalybridge	183	Stalybridge North	554

TRIAL 2 (Bin Round)	REGION	WARD	
57,62	42	Ashton Waterloo	512
63, 64	41	Ashton Waterloo	306
16,17	144	Hyde Newton	331
	145	Hyde Newton	19
	143	Hyde Newton	140
18,19	141	Hyde Newton	131
20,68	142	Hyde Newton	252
67	128	Dukinfield/Stalybridge	148
	184	Stalybridge North	18
7, 66	182	Stalybridge North	407
3	197	Stalybridge South	100
4	191	Stalybridge South	116
5	192	Stalybridge South	217
	195	Stalybridge South	324
6	194	Stalybridge South	119
8	172	Mossley	318
9	173	Mossley	125
	175	Mossley	97
10	174	Mossley	236
12	181	Stalybridge North	50
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