

Agenda Item	10
Report No	CIA/7/18

HIGHLAND COUNCIL

Committee: City of Inverness Area Committee

Date: 22 February 2018

Report Title: Street Lighting Update

Report By: Director of Community Services

1. Purpose/Executive Summary

- 1.1 This report provides an update on progress of the LED programme in Inverness and the opportunities for securing additional funding to provide enhanced LED lighting in the centre of Inverness.

2. Recommendations

2.1 Members are asked to:-

- i. Note the progress and future programme for delivery of LED replacement lighting in inverness; and
- ii. Note that a submission has been made for EU funding under the ERDF SMART Cities programme for grant funding towards the provision of Intelligent Street Lighting in Inverness and that development of the proposals will involve a consultation stage including presentation at Ward Business meetings with a report back to CIAC later in 2018.

3. Background

- 3.1 The LED replacement programme has seen the number of lights converted across the Highlands rise from 7,000 units in 2015/2016 to 12,500 in 2016/2017 with a projected figure for the end of 2017/2018 of 19,000 which represents 35% of our lighting stock. The programme has reduced our electricity consumption by 25% saving 3.5 million kWh per year and is helping offset energy price increases.
- 3.2 The figures are delivered on a Highland wide basis. In accordance with statutory obligations Highland Council has appointed a meter administrator who validates and submits our unmetered energy returns to our electricity supplier. To provide a breakdown per ward would require separate returns for each ward and would incur a £3,500 cost per annum for each submission. As a consequence to reduce costs a single Highland submission is made and it is not possible to supply a monetary breakdown per ward.
- 3.3 Appendix 1 details projected energy costs for the future including fully converted to LED, continuing the LED over 3 years and do nothing.
- 3.4 The Ness Bridge decorative lighting failed late last year and the equipment is now obsolete. A temporary fix was carried out to get most of the lighting back in operation for the festive season but a full replacement installation will be required. Quotes for this are currently being prepared for the consideration of the Common Good Fund committee.
- 3.5 In 2017 under the Smart Cities ERDF programme a bid was made for funding of Intelligent Street Lighting in Inverness, match funding for this will come from the LED programme in 2018/2019.

4. Proposed works

- 4.1 The LED replacement programme has, to date, been delivered in-house using the existing resource levels.
- 4.2 There remain a further 30,000 lights to be converted across the Highlands over the next 3 years to complete the programme. Appendix 2 details the number of street lights converted in the 7 wards of the Inverness City area, the number remaining to be converted and the number of this remainder that are a SOX-E lamp source (old orange coloured lamps).
- 4.3 The SOX-E lamps identified in Appendix 2 are being prioritised due to worldwide production of SOX lamps coming to an end in 2020. We are already finding that demand is outstripping production at the moment with lead times for orders of SOX lamps currently at 6 months.
- 4.4 Scotland's 8th City – the Smart City is a Strategic Intervention within Scotland's European Regional Development Fund (ERDF) Operational Programme 2014-20. The 8th City vision is to enable cities to become more attractive, liveable and resilient through the innovative use of data and technology. The programme includes projects with a focus on data, Smart infrastructure, Smart communities, and Smart services. The 8th City Programme Management Office (PMO) are currently taking applications for phase 2 projects. The Highland Council's Intelligent Street Lighting project will be part of this process. The timescales for applications are as follows:-

- **Jan to March:** Consider strategic intervention and operation extensions;
- **April to June:** Consider new strategic intervention and operation applications; and
- **June to September:** Review of position and consider any remaining submissions

Given that this will be a completely new piece of work for The Highland Council in regards to the 8th City Strategic Intervention, the window for application will be April to June. As this project has been discussed at length with the PMO, and similar projects in other cities have been successfully approved in phase 1 of the programme, there is no real chance that the project will be considered ineligible for funding.

Furthermore, during 2017, HM Treasury issued a guarantee that any ESIF contracts that were signed prior to the day the UK formally left the EU would be honoured by the UK Government in full, including aligned timescales, regulatory frameworks and finances. Therefore, any ERDF/Smart Cities project that begins before March/April 2019 will receive its full allocation of ERDF funding for the duration of the project.

- 4.5 As part of the Inverness Events and Festivals programme, the Highland Council is currently working with a number of community partners (including the University of Highlands and Islands, Eden Court Theatre and Inverness Business Improvement District) to establish a major annual lighting and projection event called Riverlights. Building on the successful establishment of the Winter Festival's Halloween and Winter Wonderland Shows, Riverlights is designed to provide a major opportunity to showcase the beauty of the buildings along the banks of the River Ness and animate the spaces in front of them while providing a significant opportunity for local artistes of all ages to have their work projected on an annual basis. This event will be built on the foundation and opportunities provided by the Inverness City central lighting scheme's capability to transform space visually by offering new colour lighting options and combinations and the ability to increase or reduce current lighting levels on routers along the Riverside as required. This event will be the catalyst for the national celebrations to mark the Bi-Centenary of the opening of the Caledonian Canal as part of the national celebrations to mark Event Scotland's themed year – The Year of Scotland's Stories.

Timetable:-

Feb 2018	Consultation with Community Partners
Aug 2018	Pilot Event Site Design
Feb 2019	Riverlights Pilot Event
Feb 2020	Riverlights – Expansion to Bught Park
Feb 2021	Riverlights – Expansion to Harbour
Feb 2022	Riverlights – Expansion to Fort Augustus
Oct 2022	Riverlights – Inverness to Fort William

5. Implications

- 5.1 Resource – the proposals for a ERDF bid will use some of the agreed capital allocation for 2018/19 for the LED programme as the Highland Councils match funding construction.
- 5.2 Legal – there are no Legal implications arising from these proposals.

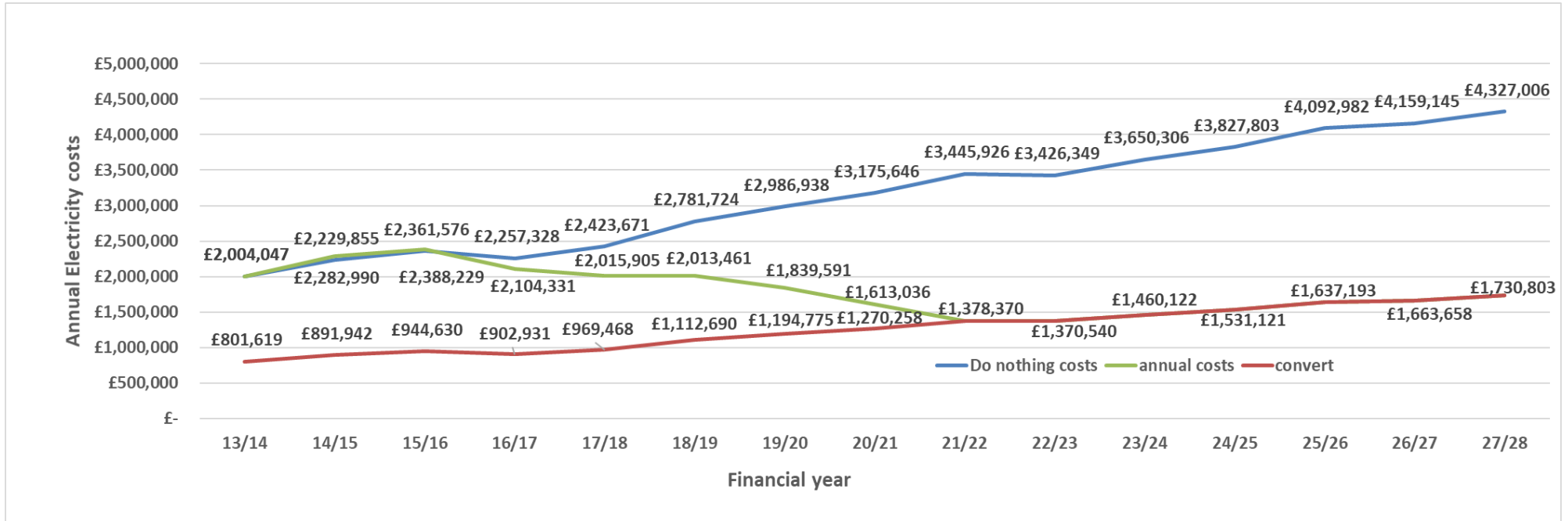
- 5.3 Community (Equality, Poverty and Rural) – these proposals will assist employment opportunities through the provision of apprenticeship schemes and career development.
- 5.4 Climate Change / Carbon Clever – Completion of the LED programme will reduce energy consumption and emission of carbon dioxide.
- 5.5 Risk – these proposals are designed to reduce the risk associated with completion of the LED energy saving programme
- 5.6 Gaelic – there are no Gaelic implications arising from these proposals.

Designation: Director of Community Services

Date: 9 February 2018

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APPENDIX 1: HIGHLAND COUNCIL STREET LIGHTING ELECTRICITY COST PREDICTIONS



APPENDIX 2: WARD BREAKDOWN OF LED PROGRESS

WARD	TOTAL NUMBER OF STREET LIGHTS	NUMBER OF LEDS FITTED	NUMBER NOT YET CONVERTED TO LED	NUMBER OF SOX-E LAMPS
Aird and Loch Ness (12)	1714	969	745	413
Inverness West (13)	2363	679	1684	1026
Inverness Central (14)	2790	852	1938	567
Inverness Ness-side (15)	2317	861	1456	550
Inverness Millburn (16)	2589	848	1741	880
Culloden and Ardersier (17)	2511	458	2053	1131
Inverness South (19)	3869	1752	2117	517