

**ITEM No ...9.....**

**REPORT TO:** CITY DEVELOPMENT COMMITTEE – 28 JANUARY 2019  
**REPORT ON:** STREET LIGHTING PARTNERSHIP PERFORMANCE 2017/2018  
**REPORT BY:** EXECUTIVE DIRECTOR OF CITY DEVELOPMENT  
**REPORT NO:** 29-2019

**1 PURPOSE OF REPORT**

1.1 This report provides an update on the progress and performance of the Street Lighting Partnership with Tayside Contracts on the delivery of the street lighting services within Dundee City Council to 31 March 2018.

**2 RECOMMENDATION**

2.1 It is recommended that the Committee notes the content of the report and agrees that the Executive Director of City Development continues to report back annually to the Committee advising on the progress and performance of the Partnership.

**3 FINANCIAL IMPLICATIONS**

3.1 There are no direct financial implications arising from this report.

**4 BACKGROUND**

4.1 Reference is made to Article IV of the City Development Committee of 22 January 2018 (Report 16-2018 refers) when approval was given to extend the Street Lighting Partnership with both Perth & Kinross Council and Tayside Contracts for a further 5 years to 31 March 2023.

4.2 The Partnership operates as an integrated team under a single Street Lighting Partnership Manager covering both Dundee City Council and Perth & Kinross Council areas and has many benefits for both Councils and Tayside Contracts:

- the larger team is more adaptable when dealing with fluctuations in workload;
- the production of a common specification has reduced the costs of storage of materials and encourages cost savings through bulk purchase. This approach is supported by Scottish Government initiatives, Procurement Scotland, Scotland Excel and the Tayside Procurements Consortium (TPC);
- the arrangement also meets the Scottish Governments objectives in increased partnership working and shared services in line with the Efficient Government agenda;
- it has the potential for expansion, for example by other Councils considering joining as experience grows over time; and
- this structure has provided opportunities for efficiencies and reduced staff costs for both the Councils and Tayside Contracts.

4.3 An Executive group comprising of two senior officers from each constituent Council and Tayside Contracts meet three times a year to review the performance of the Partnership against a number of agreed criteria.

- 4.4 The present Partnering Agreement is in place until the 31 March 2023. Over the last 13 years, the Partnership has consistently performed well against its various objectives and its key service performance indicators. The Street Lighting Partnership is fully committed to the Roads Asset Management Planning framework. All Street lighting inspections, repairs, inventory and records are held and updated electronically.
- 4.5 The Street Lighting Partnership has gained national recognition of its level of service and service approach. Most recently, the Perth & Kinross Council team were finalists for the third year in a row in the APSE Most Improved Performer category. This was the fifth time overall that the team had been shortlisted. In 2016 the Dundee team won the Tayside Excellence Award for "Excellence in Health & Safety".
- 4.6 Appendix 1 contains benchmarking information taken from the SCOTS/APSE (Society of Chief Officers Transportation in Scotland/ Association of Public Service Excellence) benchmarking exercise for the year 2017/2018 which collects and compares the annual performance of all 32 Scottish Local authorities against agreed key service performance indicators. Dundee City Council forms part of the SCOTS cities family grouping. Scottish averages are also referred to where appropriate.
- 4.7 Some highlights from the Cities Group Benchmarking are listed below:
- Scottish Cities Comparison
- Dundee City Council consumes the least amount of electricity annually per street light and has the lowest CO<sup>2</sup> emissions of any Scottish city;
  - the city has the highest percentage of LED streetlights of any Scottish city;
  - Dundee has the highest percentage of both modern white lights and also dimmable street lights of any Scottish city; and
  - our lights are the most reliable of any Scottish city with proportionately the least reported lighting faults.
- 4.8 As part of the Roads Asset Management Planning framework projections are made in relation to the increasing price of electricity. Through capital investment and spend to save policies, the Street Lighting Partnership has sought to mitigate these increases largely due to the proactive approach of taking advantage of the advancements in lighting technology to reduce electricity consumption and reduce maintenance. As a result of this work the annual electricity consumption in 2017/2018 was reduced by 337,130 kWhr, 3.8% less than the previous year's total and a reduction of 25% overall since 2012/2013.
- 4.9 The Street Lighting Partnership has a proactive approach to utilising new technologies for the benefit of the city, such as the use of energy efficient white light sources and also part night variable lighting levels. As of 31 March 2018, Dundee had 6,383 LED streetlights and a planned investment for 2018-2020 of £4.8m to convert the remainder to LED. This project commenced in April 2018.
- 4.10 In line with national guidance and recommendations, street lights with adaptable lighting levels have been introduced where traffic volumes and pedestrian movements reduce significantly outwith peak social hours. This innovative approach reduces energy consumption and assists the Council in meeting its statutory carbon reduction obligation. In 2017/2018 this strategy together with the installation of more energy efficient lighting equated to a reduction of 710 Tonnes and an overall reduction of 53% since 2012/2013.
- 4.11 The overall programme of LED installation and energy conservation continues to be implemented. The Street Lighting Team continues to monitor the effect of the external factors

such as forecast increase in electricity prices in line with the Consumer Price Index and Department of Energy and Climate Change which may have an impact on the project's propensity to make full anticipated savings from the programme.

4.12 With the continual development of new technologies there are always opportunities for improvement and the Partnership has a reputation as one of the leading Councils in the introduction of new technologies to further enhance and build on the successes that have been realised to date. The Partnership will strive to improve the following areas of work:

- continue to review, challenge and utilise new technologies in order to reduce energy consumption and maintenance costs;
- continue to monitor and review the quality of service provided through the partnership focusing on operational quality and customer satisfaction;
- through the SCOTS Asset Management project, the Partnership is undertaking an active role in the introduction and development of asset management tools and techniques to help further improve the service; and
- continue to work with local and national partners to deliver the Scottish Governments objective to increase partnership working in line with its Efficient Government agenda.

## **5 POLICY IMPLICATIONS**

5.1 This Report has been screened for any policy implications in respect of Sustainability, Strategic Environmental Assessment, Anti-Poverty, Equality Impact Assessment and Risk Management. There are no major issues.

## **6 CONSULTATIONS**

6.1 All members of the Council Management Team have been consulted and are in agreement with the contents of this report.

## **7 BACKGROUND PAPERS**

7.1 None.

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17 January 2019



## APPENDIX 1

### ANNUAL STATUS REPORT

### STREET LIGHTING 2017/2018





SCOTs Cities Benchmarking Group - Benchmarking KPI's for 2017/18								
	Measures	Dundee City Council			City 'A'	City 'B'	City 'C'	Scottish Average
		2015/16	2016/17	2017/18	2017/18			
<b>Condition/Asset Preservation</b>	Total number of columns	25,192	24,611	<b>24,205</b>	68,846	57,534	30,983	32,351
Reliability	Routine faults as a % of street lighting stock	12.36%	9.04%	<b>9.50%</b>	23.15%	14.69%	17.31%	12.07%
	% of columns which have exceeded their Expected Service Life	27.05%	24.88%	<b>24.86%</b>	40.35%	17.67%	No Data	27.78%
	% of columns replaced	3.51%	2.70%	<b>1.79%</b>	0.46%	0.74%	No Data	1.50%
	% of lanterns replaced	5.04%	3.72%	<b>2.33%</b>	6.54%	1.18%	0.00%	9.92%
<b>Customer Service</b>	% of repairs within 7 days	92.30%	94.66%	<b>92.70%</b>	No Data	No Data	54.60%	87.39%
Repair Times & Public Perception	Average time taken to repair (days)	3.00	2.62	<b>3.76</b>	18.30	No Data	12.63	8.15
	Public calls as a % of faults	44.27%	36.89%	<b>39.90%</b>	No Data	No Data	82.37%	73.22%
	Public calls as a % of street lights	5.47%	3.34%	<b>3.79%</b>	No Data	No Data	14.26%	8.28%
	% of street lights giving modern white light	74.00%	76.40%	<b>78.30%</b>	24.97%	33.30%	69.57%	64.50%
	% of street lights which are LED	17.10%	19.30%	<b>25.40%</b>	14.77%	13.87%	24.86%	47.76%
<b>Availability</b>	Number of night inspections annually	24	24	<b>24</b>	No Data	0	No Data	5
<b>Financial</b>	Actual capital investment as a % of annual depreciation (from AMP)	58.97%	65.12%	<b>90.71%</b>	No Data	No Data	No Data	85.02%
Costs & Investment	Average cost (client) of repairing routine faults (eg component replacement)	£80.37	£74.49	<b>£80.22</b>	No Data	No Data	No Data	£83.34
	Total investment in infrastructure per street light	£105.18	£95.49	<b>£115.32</b>	£79.43	£73.11	No Data	£84.98
	Energy cost per street lamp	£47.78	£47.72	<b>£44.13</b>	£58.17	No Data	No Data	£34.76
<b>Environmental</b>	Average annual electricity consumption per street light (kWhrs)	332.06	316.91	<b>302.82</b>	520.02	420.95	385.63	285.08
Energy Consumption & Carbon Footprint	Co2 emissions (kg) per street light	177.02	168.94	<b>161.43</b>	277.22	224.41	205.58	151.97
	% of street lights dimmable	22.06%	24.77%	<b>28.69%</b>	14.50%	13.87%	0.00%	21.89%
	% change in energy consumption from year to year (kWh)	-1.57%	-3.17%	<b>-3.78%</b>	-5.32%	-0.46%	-2.19%	-14.44%

