

**ITEM No ...6.....**

**REPORT TO:** CITY DEVELOPMENT COMMITTEE – 27 JANUARY 2020

**REPORT ON:** STREET LIGHTING PARTNERSHIP AGREEMENT & PERFORMANCE 2018/2019

**REPORT BY:** EXECUTIVE DIRECTOR OF CITY DEVELOPMENT

**REPORT NO:** 27-2020

**1 PURPOSE OF REPORT**

- 1.1 This report provides an annual 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 2019.
- 1.2 The report also seeks approval to extend the existing partnership arrangement between Dundee City Council, Perth & Kinross Council and Tayside Contracts to include Angus Council for the shared service delivery of street lighting across the geographical area of the three Councils.

**2 RECOMMENDATION**

- 2.1 It is recommended that the Committee notes the content of the report and:
  - a Remits the Executive Directors of City Development and Corporate Services to extend the existing Partnership arrangement with the inclusion of Angus Council to 31 March 2023; and
  - b Remits the Executive Director of City Development to report back annually to the committee on the progress and performance of the Partnership.

**3 FINANCIAL IMPLICATIONS**

- 3.1 As reported to the City Development Committee of 28<sup>th</sup> October 2019 (Article II of the minute refers) the LED Street Lighting Replacement programme was initiated in 2017. Once the programme is fully implemented the Council's energy consumption for Street Lighting will have reduced by over 60% when compared to 2012/2013 levels. The report noted that savings have been less than anticipated due to rising energy costs and other factors, and this budget shortfall will require to be considered as part of the 2020/2021 budget process.
- 3.2 Under the current Partnership arrangement, Dundee City and Perth & Kinross Council each share 50% costs of the Street Lighting Partnership management costs. The proposal to extend this partnership to include Angus Council will result in three constituent Councils each requiring to contribute one third (£28.2k per annum) for the Street Lighting Partnership management costs. The Partnership extension proposal outlined in the report will result in savings of £8.6k per annum.

**4 BACKGROUND**

- 4.1 Reference is made to Article IV of the minute of the meeting of City Development Committee on 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 peaks and troughs 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 Procurement Consortium (TPC);
  - the arrangement also meets the Scottish Government's 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 as demonstrated in this report; and
  - this structure has provided opportunities for efficiencies and reduced staff costs for both the Councils and Tayside Contracts.
- 4.3 An Executive Board comprising of two senior officers from each constituent Council and Tayside Contracts meet on a quarterly basis to review the performance of the Partnership against a number of agreed criteria.
- 4.4 The existing Partnering Agreement between Dundee City Council, Perth & Kinross Council and Tayside Contracts is in place until 31 March 2023. Over a number of years Angus Council have operated a separate Lighting Partnership arrangement with Tayside Contracts, however, following the retirement of their Lighting Partnership Manager in September 2018 there was a desire to operate under a single tri-authority partnership arrangement. The Partnership Executive Board has met over the last 15 months to agree the terms upon which the partnership could be extended to include the Angus Council area. The Board are now satisfied and are recommending the amendment to the existing agreement. Over the last 14 years, the Partnership has consistently performed well against its various objectives and its key service performance indicators and it is anticipated that the inclusion of Angus Council staff will help to support and reinforce this performance.
- 4.5 The Street Lighting Partnership is fully committed to the Roads Asset Management Planning framework and all Street lighting inspections, repairs, inventory and records are held and updated electronically.
- 4.6 The Street Lighting Partnership has gained national recognition for its level of service and service approach. Most recently, the Angus Council team were finalists for the third time in the APSE Best Performer category.
- 4.7 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 2018/2019 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.
- 4.8 Some highlights from this exercise 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 per street light of any Scottish city.
- The city has the highest percentage of LED streetlights of any Scottish city.
- Our lights are the most reliable of any Scottish city with proportionately the least reported lighting faults.

- 4.9 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 2018/2019 was reduced by 7.72%, a reduction of 30% overall since 2012/2013.
- 4.10 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 2019 Dundee had 12,547 LED streetlights with a further 5000 to be installed as part of an ongoing planned 2 year committed investment programme which is included in the current capital programme.
- 4.11 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 2018/2019 this strategy together with the installation of more energy efficient lighting equated to a reduction of 858 Tonnes and an overall reduction of 60% since 2012/2013.
- 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 subject to an assessment of any impacts on Equality and Diversity, Fairness and Poverty, Environment and Corporate Risk. There are no major issues.

## **6 CONSULTATIONS**

- 6.1 The Council Management Team were consulted in the preparation of this report.

## **7 BACKGROUND PAPERS**

- 7.1 None.

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15 January 2020

Appendix 1

# Annual Status Report

## Street Lighting

### 2018/19





SCOTs Cities Benchmarking Group - Benchmarking KPI's for 2018/19									
			Dundee City Council			City 'A'	City 'B'	City 'C'	Scottish Average 2018
			2016/17	2017/18	2018/19				
Condition/Asset Preservation	Measures								
	Total number of columns		24,611	24,205	<b>24,232</b>	No Data	57,721	69,017	27,671
Reliability	Routine faults as a % of street lighting stock		9.04%	9.50%	<b>8.65%</b>	No Data	18.76%	No Data	9.80%
	% of columns which have exceeded their Expected Service Life		24.88%	24.86%	<b>15.23%</b>	No Data	53.31%	40.70%	30.76%
	% of columns replaced		2.70%	1.79%	<b>5.17%</b>	No Data	0.98%	2.00%	2.04%
	% of lanterns replaced		3.72%	2.33%	<b>28.40%</b>	No Data	7.35%	8.50%	11.92%
<b>Customer Service</b>	% of repairs within 7 days		94.66%	92.70%	<b>90.00%</b>	No Data	No Data	84.63%	88.83%
Repair Times & Public Perception	Average time taken to repair (days)		2.62	3.76	<b>5.20</b>	No Data	No Data	5.52	8.07
	Public calls as a % of faults		36.89%	39.90%	<b>44.00%</b>	No Data	194.60%	113.50%	100.62%
	Public calls as a % of street lights		3.34%	3.79%	<b>3.81%</b>	No Data	No Data	No Data	7.99%
	% of street lights giving modern white light		76.40%	78.30%	<b>80.00%</b>	No Data	44.30%	33.49%	73.04%
	% of street lights which are LED		19.30%	25.40%	<b>50.13%</b>	No Data	26.85%	23.71%	60.30%
<b>Availability</b>	Number of night inspections annually		24	24	<b>24</b>	No Data	0	0	4
<b>Financial</b>	Actual capital investment as a % of annual depreciation (from AMP)		65.12%	90.71%	<b>159.70%</b>	No Data	No Data	59.64%	86.78%
Costs & Investment	Average cost (client) of repairing routine faults (eg component replacement)		£74.49	£80.22	<b>£71.62</b>	No Data	No Data	£200.23	£106.71
	Total investment in infrastructure per street light		£95.49	£115.32	<b>£167.76</b>	No Data	£120.54	£108.19	£78.37
	Energy cost per street lamp		£47.72	£44.13	<b>£42.39</b>	No Data	£55.20	£60.79	£34.20
<b>Environmental</b>	Average annual electricity consumption per street light (kWHrs) *		316.91	302.82	<b>280.69</b>	No Data	418.55	493.20	251.11
Energy Consumption & Carbon Footprint	Co2 emissions (kg) per street light *		168.94	161.43	<b>149.64</b>	No Data	223.13	262.92	133.87
	% change in energy consumption from year to year (kWH) *		-3.17%	-3.78%	<b>-7.72%</b>	No Data	-1.74%	-4.67%	-12.08%

\* Impact of early mass LED installations in large urban authorities can be seen in the Scottish Average figures.

