

ITEM No ...5.....

REPORT TO: NEIGHBOURHOOD SERVICES COMMITTEE – 23RD APRIL 2018
REPORT ON: SMART CITIES – SMART WASTE - DUNDEE
REPORT BY: EXECUTIVE DIRECTOR OF NEIGHBOURHOOD SERVICES
REPORT NO: 25-2018

1.0 PURPOSE OF REPORT

1.1 To gain Committee approval for the purchase and supply of equipment for the Council's Smart Waste Project.

2.0 RECOMMENDATIONS

2.1 It is recommended that approval be given for the purchase of bin sensors, solar-powered compactor bins, electric pedestrian cleaners, smart phones, in-vehicle tablets and all associated subscription, telemetry licenses and maintenance costs as detailed on the attached sheets.

3.0 FINANCIAL IMPLICATIONS

3.1 The Executive Director of Corporate Services advises that funding is available for the above items as detailed on the attached sheets.

4.0 MAIN TEXT

4.1 Reference is made to Article VI of the minute of meeting of this committee of 12th June 2017 which approved the Smart Waste Project to be included within the Council's Digital Strategy supported by the Lowlands and Uplands Scotland European Regional Development Fund 2014 to 2020 through the Smart Cities Strategic intervention. Approval included the purchase of equipment via Corporate Procurement.

4.2 The Dundee Smart Waste project will install a range of sensor technologies in litter bin routes along with compactor bins in trial areas in order to learn the optimum mix in Dundee determined by the data collected from the sensors and operators experience. Smart phone and in-vehicle tablet technologies will also be integral to the trial which will enable the most efficient route planning in response to the data analysis. Electric pedestrian cleaners shall also form part of the project trials.

4.3 If approved, contract awards will be made in March with installation of equipment scheduled for the end of April 2018. The project completion date is March 2019 as outlined in the Project Plan.

5.0 POLICY IMPLICATIONS

5.1 This report has been subject to an assessment of any impacts on Equality & Diversity, Fairness & Poverty, Environment and Corporate Risk. A copy of the Impact Assessment is available on the Council's website at www.dundee.gov.uk/ia/reports.

6.0 CONSULTATIONS

The Council Management Team have been consulted in the preparation of this report and agree with its contents.

7.0 BACKGROUND PAPERS

7.1 None

Elaine Zwirlein
Executive Director of Neighbourhood Services

Gary Robertson
Head of Environment

9th March 2018

PROJECT	Smart Waste		
PROJECT INFORMATION	Installation of bin sensors, solar powered compactor bins, electric pedestrian cleaners, in-vehicle tablets and smart phones.		
PROJECT COSTS	Bin Sensors		£30,610.00
	Solar Powered Compactor bins		£59,463.84
	Electric pedestrian cleaners		£33,400.00
	Smart phones, standard tablets, covers, cradles, SIMs		£13,216.28
	Route Smart tablets, cradles, associated software, subscriptions and SIMS		£31,538.24
FUNDING SOURCE	The total Smart Waste project budget for Dundee is £250,000 over the period 2016-2019. Dundee City's Council contribution of £150,000 will be partly met from allowances for Smart Waste that are included within the Community Safety and Justice section of the General Services Capital plan 2018-23 as a spend to save initiative. Any items deemed to be of a revenue nature will be contained within the Neighbourhood Services Revenue Budget. The balance of the costs will be met from additional funding of £100,000 from the ERDF.		
ADDITIONAL FUNDING	None.		
REVENUE IMPLICATIONS	All required revenue spending is included within the approved overall budget.		
POLICY IMPLICATIONS	None		
TENDER 1			
Purchase of bin sensors and associated subscription and maintenance costs	An ITQ (invitation to quote) was submitted for the procurement of bin sensors via Public Contracts Scotland. A total of 8 companies were invited to quote. The tender was evaluated on a Price (80%) and Quality (20%) split. The qualitative assessment was further broken down into the following weighted elements:		
	Product Information (Battery Life & Colour Options)	20%	
	Platform (OGC Webmap & RESTful API)	40%	
	Contract Mobilisation	20%	
	Business Continuity	20%	
	The combined evaluation scores together with the submitted costs are outlined below:		
	<u>Supplier</u>	<u>Combined Price (80%), Quality (20%) Score</u>	<u>Ranking</u>
	1. Smartup Cities	96%	1
	2. ESE World	74.24%	2
	3. Egbert Taylor	72.17%	3
	4. Enevo	Declined to Bid	
	5. SSI Schaefer	No Bid Submitted	
	6. British Bins	No Bid Submitted	

7. Villiger
8. Broxap

No Bid Submitted
No Bid Submitted

TENDER 2

Purchase of solar powered compactor bins and associated subscription, telemetry and maintenance costs

A Mini competition was run for the solar powered compactor bins under the Scotland Excel Recycle and Refuse Containers Framework under Lot 2 – wheeled and non-wheeled containers over 500 litres. The tender was evaluated on a Price (60%) and Quality (40%) split. The qualitative assessment was further broken down into the following weighted elements:

Product Information	45%
Contract Mobilisation	20%
Contract Management	10%
Health & Safety / Risk Management	25%

The combined evaluation scores together with the submitted costs are outlined below:

<u>Supplier</u>	<u>Combined Price (60%), Quality (40%) Score</u>	<u>Ranking</u>
1. ESE World	100%	1
2. Egbert Taylor	88.88%	2

TENDER 3

Purchase of pedestrian electric vacuums and associated maintenance costs

An ITQ (invitation to quote) was submitted for the procurement of electric pedestrian cleaners via Public Contracts Scotland. A total of 3 companies were invited to quote. The tender was evaluated on a Price (80%) and Quality (20%) split. The qualitative assessment was further broken down into the following weighted elements:

Product Information	33%
Contract Mobilisation	33%
Business Continuity	33%

The combined evaluation scores together with the submitted costs are outlined below:

<u>Supplier</u>	<u>Combined Price (80), Quality (20%) Score</u>	<u>Ranking</u>
1. Liftshare Ltd	98.33%	1
2. Beacon Group International trading as Addex	97.33%	2
3. Green Machine Sweepers UK Ltd.	0%	3

DIRECT AWARD 1

Smart phones, standard tablets, covers, cradles and SIMs

It is recommended that a Direct Award is made via IT to XMA through the Scottish Procurement Framework.

DIRECT AWARD 2

Route Smart tablets, cradles, associated software, subscriptions and SIMS

It is recommended that a Direct Award is made to ISL (Integrated Solutions Limited) for Route smart software licences as they are the sole exclusive provider of Route Smart within the UK.

RECOMMENDATION

Tender 1: Acceptance of Offer	Smartup Cities	£30,610.00
Tender 2: Acceptance of Offer	ESE World	£59,463.84
Tender 3: Acceptance of Offer	Liftshare Ltd	£33,400.00
Direct Award 1: Approval	XMA	£13,216.28
Direct Award 2: Approval	ISL	£31,538.24

In view of the timescales involved, this report was approved by Executive Director of Neighbourhood Services consultation with the Convener of Neighbourhood Services Committee, Labour Group spokesperson, Conservative spokesperson, Liberal Democrat spokesperson and the Lord Provost.

Elaine Zvirlein
Executive Director of Neighbourhood Services

Date 9th March 2018

Kevin Cordell
Convener of Neighbourhood Services

Date 9th March 2018

Brian Gordon
Labour Group Spokesperson

Date 9th March 2018

Derek Scott
Conservative Group Spokesperson

Date 18th March 2018

Fraser Macpherson
Liberal Democrat Spokesperson

Date 9th March 2018

Ian Borthwick
Lord Provost

Date 16th March 2018