RESOURCE LONDON
SUPPORTING LONDON'S WASTE AUTHORITIES

Report Title		Report RL 12/11/15 - 08
Programme evaluation and KPIs update		
Report by	Antony Buchan	
Job Title	Head of Programme	
Date of meeting	12 November 2015	

Summary
This paper presents an update on work to define the programme key performance and proxy Indicators.

Recommendation
• To note the final programme key performance indicators • To note the final programme proxy indicators.

Risk Management	
Risk	**Action to mitigate risk**
London does not achieve the Mayor's target to recycle 50% of local authority collected waste by 2020.	Resource London is proposing a set of KPI's that will enable the Partnership Board to monitor progress towards the overarching programme objectives.

Implications	
Legal N/A	
Financial N/A	
Equalities	None
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Supporting Report

Purpose of the paper
To approve the Resource London KPIs and proxy indicators.

Report
At the Partnership Board meeting in July, officers presented a set of draft Programme KPIs. Following guidance from the Board these have been refined, and finalised (Appendix 1). At that meeting the Partnership Board asked officers to investigate the viability

of three further KPIs: organic waste; HWRC performance; and textile recycling. As a result the following additions have been made to Resource London's KPIs:

Inclusion of a new

- KPI 4a: Organic waste recycling. This will measure the amount of London's organic waste sent for recycling (garden and food) and sit along side KPI 4b: Food waste recycling. As discussed at the meeting KPI 4b will report on the amount of food waste recycled from all food services – both source separated and combined food and garden; and
- KPI 8: Recycling and reuse at HWRCs. This will report on the total amount of waste collected at HWRCs in London destined for recycling and reuse.

However, having reviewed the available metrics for local authority reported textiles recycled we have been unable to establish an accurate data set against which it would be possible to measure Resource London's activities, we have therefore been unable to include a textile specific KPI. The reason for this is two fold:

- The Resource London's primary focus with regard to textiles relates to the delivery of the Love Your Clothes campaign, which is focused on waste prevention and re-use therefore no tonnage data is recorded, (this activity will instead be measured through the 'Tracker' surveys); and

- The number of ways in which textiles are recycled in the capital (e.g. LA, charity or commercial kerbside; LA, charity or commercial bring banks including cash for clothes scheme; and / or charity donations) means that any fluctuation in local authority reported textiles recycling (either positive or negative) does not necessarily reflect the actual performance of textiles recycling in the capital.

It should be noted that the primary mechanism for measuring the KPIs will be WasteDataFlow. Therefore reporting against audited data will only be available in the November following year end. Therefore, the KPIs will be reported to the Partnership Board at its January meeting (albeit officers will make them available to the Partnership Board as soon as they are calculated).

Therefore, in order to provide the Partnership Board with progress against the delivery of the programme in year, officers have also been working with WRAP's Head of Research and Evaluation to develop a set of Proxy Programme Indicators. These proxy indicators are generated from the 3Rs and LFHW consumer trackers and will be reported on in April of each year.

KPI. 1a and b Recycling rate

- % of London households served by schemes that enable them to recycle paper, card, glass, metals, plastic bottles, and plastic pots tubs and trays

- % of London households that are 'very confident' about which materials can be put in the recycling collection and which cannot

KPI.2 (KPI 2: Greenhouse gas emissions) and KPI.3 (Waste sent to landfill) don't require proxies.

KPI. 4a Organics recycling
- % of London households served by schemes that enable them to recycle garden waste
- % of London households that dispose of garden waste in the bin when a recycling service is provided

KPI. 4b Food recycling
- % of London households served by schemes that enable them to recycle food waste
- % of London households that dispose of food waste in the bin when a recycling service is provided

KPI. 5 Household waste collected
- *Combine the following into a single planning indicator*
  - % of London households that decide what they are going to eat for main meals in advance most or all of the time
  - % of London households that check stocks before they go shopping
  - % of London households that make some kind of shopping list
- % of London households throwing away food because it has gone past its date

KPI. 6 Quality of recyclate
- % of London households that correctly recycle all materials that are collected at the kerbside
- % of London households that say they are not always certain that the items they put in the recycling collection can be included but they would rather do that than throw them away

KPI. 7 Trade waste recycling
- % of businesses and public sector organisations served by schemes that enable them to recycle paper, card, glass, metals, plastic bottles, plastic pots tubs and trays and food

KPI. 8 HWRC recycling and reuse
- % of London households taking textiles, large appliances, electricals or furniture to HWRCs intending that they be reused or recycled

Further information
Appendix 1: Resource London KPIs

Resource London Key Performance Indicators

KPI 1a: Levels of recycling (local authority collected waste)	
Objective	Contribute to an increase in the amount of London local authority collected waste recycled
Indicator	Recycling rate
Definition	The percentage of local authority collected waste that is recycled or composted, according to data collected through WasteDataFlow and using the definitions and conventions adopted by WasteDataFlow. The output for London forms part of the regional breakdown of recycling data that is found annually at Table 1a on http://www.defra.gov.uk/statistics/environment/waste/
Scope	London
Data source	LA and Regional spreadsheet based on WasteDataFlow data published by Defra at http://www.defra.gov.uk/statistics/environment/waste/ London data in Table 1a
Calculation	$$\frac{household\ recycling + non\ household\ recycling}{total\ LA\ collected\ waste}\ x\ 100$$
2014/15 baseline	*The baseline will be established in November 2015*
2014/15 baseline source	LA and Regional spreadsheet based on WasteDataFlow data published by Defra at http://www.defra.gov.uk/statistics/environment/waste/ *replace this with link to cell references and actual spreadsheet once calculation has been done*
Reporting frequency	Annually
Reporting timetable	January Board meeting
Reporting unit	%

KPI 1b: Levels of recycling (household waste)	
Objective	Contribute to an increase the amount of London household waste recycled
Indicator	Recycling rate
Definition	The percentage of household waste that is recycled or composted, according to data collected through WasteDataFlow and using the definitions and conventions adopted by WasteDataFlow . The output for London forms part of the regional breakdown of recycling data that is found annually on http://www.defra.gov.uk/statistics/environment/waste/
Scope	London
Data source	LA and Regional spreadsheet based on WasteDataFlow data published by Defra at http://www.defra.gov.uk/statistics/environment/waste/ London data in Table 1a
Calculation	$$\frac{household\ recycling}{total\ household}\ x\ 100$$
2014/15 baseline	*The baseline will be established in November 2015*
2014/15 baseline source	LA and Regional spreadsheet based on WasteDataFlow data published by Defra at http://www.defra.gov.uk/statistics/environment/waste/ *replace this with link to cell references and actual spreadsheet once calculation has been done*
Reporting frequency	Annually
Reporting timetable	January Board meeting
Reporting unit	%

KPI 2: Greenhouse gas emissions	
Objective	Help London authorities contribute to meeting the Mayor's Emissions Performance Standard (EPS) through better management of waste
Indicator	CO_2 equivalent emissions
Definition	Total carbon equivalent emissions from waste management in London, as defined by the EPS and as measured and reported by the GLA and its contractors
Scope	London
Data source(s)	GLA report. In 2013 this was produced by Eunomia.[1] We assume a further contract will be placed. *Beverley to update this based on discussions with GLA*
Calculation	None required – data to be taken from the GLA report
2014/15 baseline	*Timescale to be advised*
2014/15 baseline source	*Source to be advised*
Reporting frequency	Annually (tbc)
Reporting timetable	Tbc
Reporting unit	Tonnes CO_2e

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[1] https://www.london.gov.uk/sites/default/files/EPS%20Report%20August%202013.pdf

KPI 3: Waste sent to landfill	
Objective	Reduce the amount of London's waste being send to landfill
Indicator	Average kg per household of waste collected in London by local authorities and sent to landfill
Definition	Kg per household of waste collected in London by local authorities and sent to landfill as recorded and defined in WasteDataFlow
Scope	London
Data source	Landfill data from Table 2a of the data published by Defra from WasteDataFlow in spreadsheet – most recent one called "Local authority collected waste generation from April 2000 to March 2014 (England and regions) and local authority data April 2013 to March 2014". Data for London. Row 56 in latest spreadsheet. Number of households ('dwelling stock') from WasteDataFlow
Calculation	$$\frac{Landfill \times 1{,}000{,}000}{Dwelling\ stock}$$ Note: The landfilled tonnes are presented in thousands, hence the need to multiply by 1,000 to convert to tonnes and a further 1,000 to convert to hg, 1,000,000 in total – units will need to be checked before the calculation is performed
2014/15 baseline	*To be prepared in November 2015*
2014/15 baseline source	Landfill data from Table 2a of the data published by Defra from WasteDataFlow in spreadsheet *Update with actual source when available*
Reporting frequency	Annual
Reporting timetable	January Board meeting
Reporting unit	Kg per household

KPI 4a: Organic waste recycling	
Objective	Increase the amount of London's organic waste sent for recycling
Indicator	Kg per household sent for recycling
Definition	Tonnes of organic waste collected for recycling, according to data collected through WasteDataFlow, divided by the number of dwellings in London to create an average.
Scope	London
Data source	Organic waste quantities from WasteDataFlow Dwelling stock from WasteDataFlow
Calculation	$$\frac{Organic\ waste\ recycled\ x\ 1,000}{Number\ of\ dwellings}$$ Multiplication by 1,000 is required only if data is presented in tonnes – the unit should be carefully checked
2014/15 baseline	*To be determined in November 2015*
2014/15 baseline source	*To be updated once baseline is set*
Reporting frequency	Annually
Reporting timetable	January Board meeting
Reporting unit	Kg per household

KPI 4b: Food waste recycling	
Objective	Increase the amount of London's food waste sent for recycling
Indicator	Kg per household sent for recycling
Definition	Tonnes of food waste collected for recycling, according to data collected through WasteDataFlow and, where food is collected mixed with other wastes, applying Borough estimates o0f the split or else applying the WRAP comingled splits methodology, all divided by the number of dwellings in London to create an average.
Scope	London
Data source	Food waste quantities from WasteDataFlow Dwelling stock from WasteDataFlow Comingled split factors from Boroughs or, where Boroughs do not have a split, using WRAP's methodology
Calculation	1. Data for separately collected food waste will be taken from WasteDataFlow 2. Data for food waste collected mixed with other wastes will have factors applied to estimate the food waste proportion. 3. The two datasets will be summed 4. The total will be divided by the number of dwellings
2014/15 baseline	*To be determined in November 2015*
2014/15 baseline source	*To be updated once baseline is set*
Reporting frequency	Annually
Reporting timetable	January Board meeting
Reporting unit	Kg per household

KPI 5: Household waste collected	
Objective	Decrease the amount of household waste collected in London
Indicator	Total kg per household of household waste collected by London Boroughs
Definition	Total household waste collected by London boroughs and WDAs using the definitions and conventions adopted by WasteDataFlow. The output for London forms part of the regional breakdown of recycling data that is found annually at Table 1a on http://www.defra.gov.uk/statistics/environment/waste/.
Scope	All London boroughs and WDAs
Data source	LA and Regional spreadsheet based on WasteDataFlow data published by Defra at http://www.defra.gov.uk/statistics/environment/waste/ London data in Table 1a
Calculation	$$\frac{Total\ household\ waste}{Dwellings}$$
2014/15 baseline	*To be determined in November 2015*
2014/15 baseline source	*To be updated in November 2015*
Reporting frequency	Annually
Reporting timetable	January Board meeting
Reporting unit	Kg per household

KPI 6: Quality of recyclate	
Objective	To decrease the amount of contamination in comingled local authority collected recyclate sent to Materials Facilities (MFs)
Indicator	Average percentage of contamination in recyclate, by material
Definition	Average non-target contamination and non-recyclable waste sent to MRFs as part of comingled loads by London boroughs
Scope	London
Data source	Data supplied by Materials Facilities to the Environment Agency and sitting behind the WRAP MF Portal
Calculation	$$\frac{Non\ target\ tonnes + non\ recyclable\ tonnes}{Total\ tonnes} \times 100$$
2014/15 baseline	*To be determined in May 2016, relating to Q1 2016*
2014/15 baseline source	*WRAP MF Portal Q1 2016 data*
Reporting frequency	Quarterly
Reporting timetable	Each Board meeting
Reporting unit	%

KPI 7: Trade waste recycling	
Objective	Increase the proportion of trade waste recycled by local authorities, of that collected
Indicator	% of collected trade waste recycled
Definition	Percentage of trade waste collected for recycling as opposed to disposal
Scope	London boroughs that offer a trade waste service
Data source	WasteDataFlow raw data, processed through the WRAP portal
Calculation	$$\frac{Trade\ waste\ recycled}{Total\ trade\ waste\ collected} \times 100$$
2014/15 baseline	*To be determined in November 2015*
2014/15 baseline source	*To be updated in November 2015*
Reporting frequency	Annually
Reporting timetable	January Board meeting
Reporting unit	%

KPI 8: Recycling and reuse at HWRCs	
Objective	Increase the amount of waste collected for recycling and reuse at HWRCs *Note – the programme is not actively tackling this objective, but it may be a side effect of the more general promotionof recycling and reuse*
Indicator	Tonnage of waste collected
Definition	The total amount of waste collected at HWRCs in London destined for recycling and reuse – not taking account of any that might be rejected on arrival at the recycler
Scope	All London HWRCs, as defined in WDF
Data source	WasteDataFlow Q14 and Q16
Calculation	Simple summation
2014/15 baseline	*To be determined in November 2015*
2014/15 baseline source	*To be updated in November 2015*
Reporting frequency	Annually
Reporting timetable	January Board meeting
Reporting unit	Tonnes

KPI9 – Textile recycling and reuse

We agree that we would not have a KPI on textile recycling because we do not have a meaningful way of measuring and tracking it