



Essex Recycling Partnership Monitoring Report



Essex Recycling Partnership

Quarter 4 – 2015-16

Table of Contents

Contents

Summary	2
Background to the scheme	2
Quarter Objectives and Progress	3
Performance Analysis	5
Comparison of 2104/15 & 2015/16 data	6
Comparison of Q3 15/16 and Q4 15/16 data	9
Progress towards meeting our key commitments.....	13
Meeting the Objectives set out in the Bid	16
Lessons Learnt.....	18
Issues Log	18

Essex Recycling Partnership- Q4 2015/16 report

Summary

This report outlines the progress made by the Essex Recycling Partnership to achieve the project objectives and commitments made within the project bid submitted to the Department for Communities and Local Government in November 2014.

Contained herein is an evaluation of the outputs delivered following the fourth quarter of the scheme's implementation between January and March 2016. This report seeks to provide a comparative analysis of District-level performance, evaluating the data reported by the partnership against performance commitments made within the bid.

Quarter four has seen the scheme move into phase three, building on the initial rollout from the previous quarter.

Background to the scheme

In March 2015 a partnership of four Essex District Council's secured £896,468 of funding from the Department for Communities & Local Government (DCLG) to develop and implement "Recycling Reward Schemes" in the districts of Braintree, Epping Forest, Harlow and Tendring. The four District councils are working together as part of the coordinated scheme which will reward residents for reducing and recycling their waste.

The outcome for this partnership is to maximise participation, increase capture rates of recycled materials and enhance customer satisfaction. Over the lifetime of the project the scheme will be delivered to 114,500 properties and 97 schools through targeted education initiatives and an incentivised rewards scheme resulting in:

- 97 schools adopting weekly food recycling.
- 11,000 properties in flat blocks receiving a new recycling service.
- Total projected financial benefits of £396,757 over the course of the scheme.
- A projected total reduction in landfill waste of 9154 tonnes.

The four Districts' activities vary due to the different levels of service provided in each locale at the start of the scheme. However, all share the same aim of increasing and improving the volume and quality of recyclate collected in each district to remove total waste tonnage sent to landfill. At the start of the scheme Braintree District Council and Epping Forest District Council did not provide recycling

schemes to flats, so the starting project in these authorities was to focus on providing the capital infrastructure required for commencement of a collection scheme in these localities.

In Tendring the authority already ran a recycling service for flats. The focus of their project is to replace the existing waste receptacles in flats with lockable units to reduce contamination of recycled materials. The authority also began to work with Braintree District Council to introduce a food waste service for schools and have received the capital infrastructure to support this.

Harlow Council already ran a successful recycling scheme in both schools and flats; the project in their area focuses on increasing community engagement and understanding of recycling. They will provide five highly visible Greenredeem kiosks in central locations within the district, to facilitate this educational activity and to reward residents for recycling on-the-go.

Quarter Objectives and Progress

The key priorities of the fourth quarter of 2015/16 (January - March) for the four districts were;

- To continue project rollout as the scheme enters into phase three
- End of year evaluation and lessons learnt– create a lessons learnt report reviewing the first year of the scheme

Five key objectives were set to be met in quarter four (Q4) by the partnership and these were:

Objective	District
Contact local businesses with regard to signing up to reward scheme	BDC/EFDC/TDC
Roll-out of the scheme to the next flat sites	BDC/EFDC/TDC
Carry out the Recycling Roadshows	BDC
Roll-out of the scheme to the next school sites	BDC / TDC
End of First Year Monitoring Report & lessons learned	BDC / EFDC

Below is a breakdown of activities undertaken by Partners against the objectives set for Q4:

Braintree District Council

Braintree District Council (BDC) had five objectives in Q4; of these they have managed to address three. Braintree has continued the rollout of the scheme to the prioritised flatted developments, and has also managed to rollout a food waste service to five additional schools. From the previous quarter there had been six schools that had yet to respond to communications, but as of the completion of this quarter, these have now been contacted and arranged appointments to discuss the

food waste scheme. Braintree has so far experienced great success implementing this part of their scheme.

A robust process to record lessons learnt has also been added to their agenda and is currently a work in progress. Braintree realises the importance of logging such feedback for the benefit of the DCLG.

An objective that Braintree has deviated from in this quarter is their intention to carry out recycling roadshows to raise awareness of the scheme. In Q3 it was decided that house-to-house canvassing would be more effective for their target areas and better help communicate the message to residents. Instead of delivering roadshows, Braintree will deliver workshops, starting with dry recycle operatives to ensure that they are happy with how the rollout is proceeding and give them an opportunity to provide input.

Epping Forest District Council

The significant local issues experienced by Epping Forest District Council (EFDC) since Q1, have continued to alleviate slightly, however, the capacity to implement the scheme is still greatly reduced under these circumstances.

Activity in this quarter was at a minimum as they are currently recruiting dedicated staff that will be responsible for delivering the scheme moving forward. It is forecasted that officers will be in place by the end of June or start of July, and at which point the rollout will resume.

Harlow District Council

By this point in the scheme, Harlow did not have any objectives to meet as it was estimated that all of Harlow's Greenredeem kiosks would have been in place and functioning by the end of phase two. However, Harlow's situation has not changed since the reporting in Q3. Harlow still currently has one Greenredeem kiosk in place, located at Passmores Academy. Unfortunately, continuing from Q3, there have been further problems with the kiosk, but it is hoped that with the latest modifications and maintenance undertaken that the machine will be functioning better and there will be no further issues.

Harlow have still not been able to secure any further sites for the remaining kiosks, and are therefore considering pursuing an alternative proposal to better utilise their part of the funding, enabling them to remain part of the Partnership and provide the recycling outcomes for the stakeholders in Harlow as set out in the bid proposal. Feedback provided by Harlow regarding the kiosk at Passmores Academy has been largely positive, with the pupils buying into the concept and disposing their plastics and cans accordingly.

Tendring District Council

Building upon the progress they have made in the previous quarter with the procurement of 65,000 caddy liners, these have now been delivered and Tendring have reported an approximate 10% to 15% increase in food waste in their weekly collections.

Unfortunately however, for the first time during the scheme Tendring have encountered an issue which will likely affect their progress. Tendring have reported that due to cost restraints they have been reduced to one recycling officer only (previously two), which they anticipate will slow the roll out of recycling receptacles to flats and the food waste scheme to schools due to their limited resources.

Performance Analysis

To monitor and evaluate whether the scheme has been a success in Q4 of 15/16, some key parameters have to be analysed, these are:

- Total households benefitting from the scheme
- Total Number of flats taking part in the scheme
- Total Number of Schools taking part in the scheme
- Total Number of Households with weekly residual waste collection
- Total households receiving a weekly food / organic waste collection
- Total Recyclate Collected in the District (t)
- District-Wide Recycling rate (%)
- Total Food Waste Collected (t)
- Total Dry Recyclate Collected (t)
- Total value of recyclate collected in District (£/t) (Dry only)
- Total contamination rate across district (t)
- Total tonnage of residual waste collected in the district.

Measuring these parameters helps to show whether the Districts as a partnership are performing correctly and meeting their targets. The data can also show us whether each District is individually achieving their designated goals for each quarter.

Comparison of 2104/15 & 2015/16 data

It is important to draw a comparison between the data reported by the partnership in Q4 (2015/16) with Q4 (2014/15), as this is the best way to take into account the seasonal factors which have an impact on waste collection during the year.

Partnership analysis:

	Q4 2014/15 actual	Q4 2015/16 actual	change from previous year	% Change
Total number of households in the district	222488	223744	1256	0.56
Total households benefitting from the scheme	0	6592	6592	N/A
Total Number of flat blocks receiving a food waste collection	105	105	0	0.00
Total Number of flat blocks receiving a dry recycle collection	815	978	163	20.00
Total number of schools receiving a food waste collection	118	166	48	40.68
Total number of households with weekly residual waste collection	83800	84147	347	0.41
Total households receiving a weekly food/organic waste collection	207389	207190	-199	-0.10
Total Tonnage of residual waste collected in district (t)	23615	24536	921	3.90
Total recycle collected in the district (t)	18230	19010	780	4.28
District-wide recycling rate (%)	43.75	44.86	1.11	1.11
Total food waste collected (t)	4765	6879.4	2114.4	44.37
Total dry recycle collected (t)	12064	11673	-391	-3.24
Total value of recycle collected in district (£/t) (Dry only)	732164	708434	-23730	-3.24
Total contamination rate across district (t)*	279	378	99	35.48

* Epping Forest did not have an accurate figure (t) for this quarter and was not included

The partnership analysis for Q4 is now showing signs that the scheme is beginning to have an impact in the targeted areas. It is clear in a year since the rollout of the scheme; residents on the identified flatted developments are beginning to benefit from a newly implemented dry recycle collection, with 163 sites within the partnership now having these amenities available to them. This is reflected in the total of dry recycle collected by the partnership increasing by 780 tonnes, equating to an approximate increase on income generated of £47K.

Another impact now being felt is the food waste collection schemes in schools. In the same timeframe, an additional 48 schools are now engaged with the scheme, and food waste collection has increased by approximately 40%. More importantly, pupils at these 48 schools are actively participating in food waste management, and it is hoped that this early intervention will lead to a change in recycling behaviours, which can be carried with the children as they grow up, leaving a lasting legacy within Essex.

To understand where the additional achievements and challenges can be identified, an analysis of Partner's individual performances can be seen below:

Braintree District Council

	Q4 2014/15 actual	Q4 2015/16 actual	Change from previous year	% Change
Total number of households in the District	62449	63683	1234	2
Total Households benefitting from the scheme	N/A	N/A	N/A	N/A
*Total Number of flats in the district	N/A	6919	N/A	N/A
*Total Number of flats benefitting from the scheme	N/A	1154	N/A	N/A
Total Number of flat blocks receiving a food waste collection	0	0	0	0.00
Total Number of flat blocks receiving a dry recyclate collection	45	147	102	227
Total Number of schools receiving a food waste collection	N/A	29	N/A	N/A
Total Number of schools receiving a dry recyclate collection	53	53	0	0
Total Number of Households with weekly residual waste collection	6592	6919	327	5
Total households receiving a weekly food / organic waste collection	56681	56681	0	0
Total tonnage of residual waste collected in the district (t)	6448	6687	239	4
Total Recyclate Collected in the District (t)	5876	6360	484	8
Total Recycling rate in the District (%)	47.70	53.00	5.30	5.30
Total Food Waste Collected (t)	1102	1124	22	2
Total dry Recyclate Collected (t)	3540	3870	330	9
Total recyclate contamination rate across district (%)	2.20	3.10	0.90	0.90
Total contamination rate of recyclate across District (t)	132	200	68	52
Total Number of rejected dry recyclate bins (flats)	N/A	N/A	N/A	N/A
Total Number of rejected Food Waste bins (flats)	N/A	N/A	N/A	N/A
Total Number of reject dry recyclate bins (schools)	N/A	N/A	N/A	N/A
Total Number of rejected Food Waste bins (schools)	N/A	N/A	N/A	N/A
Number of recycling receptacles procured & rolled out	N/A	86	N/A	N/A

* Both data collection criterias added for Q3 15/16 and thus 14/15 figures not collected at the start of the scheme

The figures Braintree have returned in Q4 have revealed some positive trends, though at this stage it is difficult to determine if this is a result of the scheme. An 8% increase in total recyclate collected this quarter from the Q4 in the previous year is quite significant as is the 5% increase in recycling rate within the district.

Despite these positive returns, there has also been an increase in residual waste and contamination when compared to the same quarter in the previous year. In the last quarter Braintree had also experienced the same issue, however it must be noted that during 15/16 there had been an increase in the number of households in the district and therefore more waste is being collected. It has been reported by partners however that a natural result from the ongoing rollouts would account for some of the increased residual waste as contractors and residents grow accustomed to the new collection schemes.

Epping Forest District Council

	Q4 2014/15 actual	Q4 2015/16 actual	Change from previous year	% Change
Total number of households in the District	55226	55226	0	0
Total Households benefitting from the scheme	N/A	0	N/A	N/A
*Total number of flats in the district	N/A	8515	N/A	N/A
*Total number of flat benefitting from the scheme	N/A	0	N/A	N/A
Total Number of flat blocks receiving a food waste collection	105	105	0	0
Total Number of flat blocks receiving a dry recycle collection	478	478	0	0
Total Number of Households with weekly residual waste collection	744	744	0	0
Total households receiving a weekly food / organic waste collection	49245	49245	0	0
Total tonnage of residual waste collected in the district (t)	5474	5699	225	4
Total Recyclate Collected in the District (t)	6406	6335	-71	-1
Total Recycling rate in the District (%)	54.00	53.00	-1.00	-1.85
Total Food Waste Collected (t)	2405	2505	100	4
Total Dry Recyclate Collected (t)	4001	3069	-932	-23
Total recyclate contamination rate across district (%)	2.8	6.86	4.06	4.06
Total Number of reject dry recyclate bins (flats)	N/A	78	N/A	N/A
Total Number of rejected Food Waste bins (flats)	N/A	31	N/A	N/A
Number of recycling receptacles procured & rolled out	N/A	0	N/A	N/A

* Both data collection criterias added for Q3 15/16 and thus 14/15 figures not collected at the start of the scheme

Waste collection reporting issues has again impacted Epping Forest's reporting in this quarter. The rollout of the scheme is yet to progress any further in this quarter, though Epping Forest will be continuing to recruit dedicated officers for the scheme in June 2016, and it is anticipated that a combination of dedicated resources and learning taken from their partner's rollout will accelerate the scheme.

Like the previous quarter, Epping Forest's reporting of contamination and delivery of this aspect of the scheme shows no improvement as no robust measures are yet in place to address this.

Harlow District Council

	Q4 2014/15 actual	Q4 2015/16 actual	Change from previous year	% Change
Total number of households in the District	36463	36485	22	0.06
Total households benefitting from the scheme	N/A	N/A	N/A	N/A
Total Number of Households with weekly residual waste collection	8114	8135	21	0.26
Total households receiving a weekly food / organic waste collection	36463	36016	-447	-1.23
Total tonnage of residual waste collected in the district (t)	3311	3473	162	4.89
Total Recyclate Collected in the District (t)	2951	3036	85	2.88
Total Recycling rate in the District (%)	44.67	46	1.33	1.33
Total Food Waste Collected (t)	794	810	16	2.02
Total Dry Recyclate Collected (t)	2126	2194	68	3.20
Total Contamination rate across District (t)	100	104	4	4
Total recyclate contamination rate across district (%)	5.00	5	0	0
Number of recycling receptacles procured & rolled out	N/A	N/A	N/A	N/A
Number of green redeem kiosks in operation	N/A	1	N/A	N/A
*Total number of quarterly users	N/A	Unknown	N/A	N/A
**Total Tonnage collected (t)	N/A	0.067	N/A	N/A

* Currently unknown - considerations to be put in place to calculate this figure

**estimated weight based on number of items. Greenredeem only able to provide a 2 week window of data: 26/02/16 - 11/03/16

Harlow's data again provides a useful baseline to make future assessments. As highlighted previously, Harlow's focus is the impact of the Greenredeem Kiosk on changing behaviours and whether this can be quantified and seen in an increase in recyclable materials collected. The data returned shows a level of consistency with

previous quarters which will allow us the view the impact of the kiosks once they are fully operational.

Tendring District Council

	Q4 2014/15 actual	Q4 2015/16 actual	Change from previous year	% Change
Total number of households in the District	68350	68350	0	0
Total Households benefitting from the scheme	0	65000	N/A	N/A
Total number of flats in the district	N/A	6347	N/A	N/A
Total number of flats benefitting from the scheme	N/A	1378	N/A	N/A
Total Number of flat blocks receiving a food waste collection	0	0	N/A	N/A
Total Number of flat blocks receiving a dry recyclate collection	292	353	61	21
Total Number of schools receiving a food waste collection	0	19	N/A	N/A
Total Number of schools receiving a dry recyclate collection	65	65	0	0
Total Number of Households with weekly residual waste collection	68350	68350	0	0
Total households receiving a weekly food / organic waste collection	65000	65000	0	0
Total tonnage of residual waste collected in the district (t)				
Total tonnage of residual waste collected in the district (t)	8283	8677	393	5
Total Recyclate Collected in the District (t)	2997	3279	282	9
Total Recycling rate in the District (%)	26.57	27.43	0.86	0.86
Total Food Waste Collected (t)	464	529	65	14
Total dry Recyclate Collected (t)	2397	2540	142	6
Total recyclate contamination rate across district (%)				
Total recyclate contamination rate across district (%)	1.61	2.27	0.66	41
Total contamination rate of recyclate across District (t)				
Total contamination rate of recyclate across District (t)	48	74	26	54
Total Number of rejected dry recyclate bins (flats)	30	22	-8	-27
Total Number of rejected Food Waste bins (flats)	0	0	0	N/A
Total Number of reject dry recyclate bins (schools)	0	0	0	N/A
Total Number of rejected Food Waste bins (schools)	0	0	0	N/A
Number of recycling receptacles procured & rolled out				
Number of recycling receptacles procured & rolled out	0	226	226	N/A

In a year since Q4 2014/15, Tendring now have 61 flat blocks, totalling 1378 flats participating in the scheme. These flats now receive a dry recyclate collection.

Significantly, 19 schools have now enrolled in the scheme and a total of 226 recycling receptacles have been procured and rolled out to flatted developments in addition to, and to replace existing inferior receptacles. These new recycling receptacles are lockable units which aim to reduce the contamination of recyclable materials.

However, contamination has increased by 26t. It is hoped that this trend will be curbed once the new lockable receptacles are more widely used in all identified flatted developments.

Comparison of Q3 15/16 and Q4 15/16 data

As Partners are making different contributions to the rewards scheme, comment can be made against their individual performances.

Braintree District Council

	Q3 2015/16 actual	Q4 2015/16 actual	Change from previous quarter	% Change
Total number of households in the District	63124	63683	559	1
Total Households benefitting from the scheme	4936	N/A	N/A	0
*Total Number of flats in the district	6918	6919	1	0
*Total Number of flats benefitting from the scheme	482	1154	672	139
Total Number of flat blocks receiving a food waste collection	0	0	0	0
Total Number of flat blocks receiving a dry recyclate collection	29	147	118	407
Total Number of schools receiving a food waste collection	24	29	5	21
Total Number of schools receiving a dry recyclate collection	53	53	0	0
Total Number of Households with weekly residual waste collection	6918	6919	1	0
Total households receiving a weekly food / organic waste collection	56681	56681	0	0
Total tonnage of residual waste collected in the district (t)	6571	6687	116	2
Total Recyclate Collected in the District (t)	7197	6360	-837	-12
Total Recycling rate in the District (%)	52.30	53.00	1	1.34
Total Food Waste Collected (t)	1132	1124	-8	-1
Total dry Recyclate Collected (t)	3332	3870	538	16
Total recyclate contamination rate across district (%)	2.90	3.10	0.20	0.20
Total contamination rate of recyclate across District (t)	212	200	-11	-5
Total Number of rejected dry recyclate bins (flats)	0	N/A	N/A	N/A
Total Number of rejected Food Waste bins (flats)	N/A	N/A	N/A	N/A
Total Number of reject dry recyclate bins (schools)	0	N/A	N/A	N/A
Total Number of rejected Food Waste bins (schools)	0	N/A	N/A	N/A
Number of recycling receptacles procured & rolled out	44	44	0	0

* Both data collection criterias added for Q3 15/16 and thus 14/15 figures not collected at the start of the scheme

Two significant increases delivered by Braintree in this quarter is the addition of 118 flat blocks receiving a dry recyclate collection and five more schools adopting the food waste scheme. Braintree have managed to accelerate the rollout of the scheme to the identified flat blocks since the previous quarter owing largely to a robust rollout plan and lessons learnt from the previous quarter.

Despite these increases, the total recyclate collected in the district during Q4 has dropped substantially by 12%. Despite their efforts, the data would indicate that residents have yet to fully adopt the new recycling behaviours the partnership had hoped for. However, when viewed in a deeper context, Braintree have reported an increase of 239 tonnes of recyclate collected in this quarter when compared to the same quarter in the year prior. Seasonal factors are key considerations when assessing the data as typically nationwide more waste is collected Q3 (Christmas and New Year) than in Q4 when resident's waste generation naturally reduces.

	Q4 2014/15 actual	Q4 2015/16 actual	Change from previous year	% Change
Total tonnage of residual waste collected in the district (t)	6448	6687	239	4

It is also important to note that the rewards aspect of the scheme is yet to be rolled out, so based on the current circumstances, the next set of data will provide a true marker of how well the rewards incentivise residents to recycle.

Epping Forest District Council

	Q3 2015/16 actual	Q4 2015/16 actual	Change from previous year	% Change
Total number of households in the District	55226	55226	0	0
Total Households benefiting from the scheme	N/A	0	N/A	N/A
*Total number of flats in the district	8515	8515	N/A	N/A
*Total number of flats benefiting from the scheme	N/A	0	N/A	N/A
Total Number of flat blocks receiving a food waste collection	119	105	-14	-12
Total Number of flat blocks receiving a dry recyclate collection	423	478	55	13
Total Number of Households with weekly residual waste collection	1015	744	-271	-27
Total households receiving a weekly food / organic waste collection	49325	49245	-80	0
Total tonnage of residual waste collected in the district (t)	5418	5699	281	N/A
Total Recyclate Collected in the District (t)	7180	6335	-845	N/A
Total Recycling rate in the District (%)	57.00	53.00	-4.00	N/A
Total Food Waste Collected (t)	3474	2505	-969	N/A
Total Dry Recyclate Collected (t)	3706	3069	-637	N/A
Total recyclate contamination rate across district (%)	3.89	6.86	2.97	2.97
Total Number of reject dry recyclate bins (flats)	N/A	78	N/A	N/A
Total Number of rejected Food Waste bins (flats)	N/A	31	N/A	N/A
Number of recycling receptacles procured & rolled out	N/A	0	N/A	N/A

* Both data collection criterias added for Q3 15/16 and thus 14/15 figures not collected at the start of the scheme

Epping Forest's data continues to quantify their narrative to date. Contamination has continued to increase as due to facilities not yet being in place to curb this.

Harlow District Council

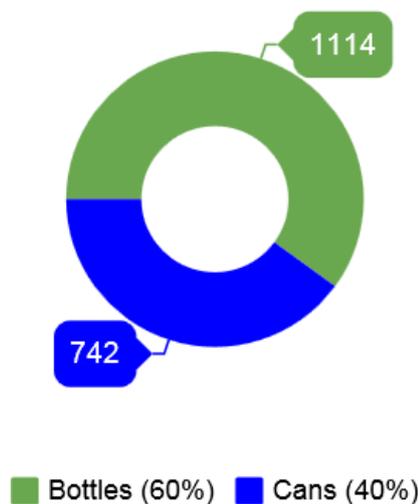
	Q3 2015/16 actual	Q4 2015/16 actual	Change from previous Quarter	% Change
Total number of households in the District	36485	36532	47	0
Total households benefiting from the scheme	0	N/A	N/A	N/A
Total Number of Households with weekly residual waste collection	8135	8134	-1	0
Total households receiving a weekly food / organic waste collection	36016	36264	248	1
Total tonnage of residual waste collected in the district (t)	3412	3473	61	2
Total Recyclate Collected in the District (t)	3013	3036	23	1
Total Recycling rate in the District (%)	46.01	46.01	0	0
Total Food Waste Collected (t)	765	810	45	6
Total Dry Recyclate Collected (t)	2152	2194	42	2
Total Contamination rate across District (t)	102	104	2	2
Total recyclate contamination rate across district (%)	5%	5%	0	0
Number of recycling receptacles procured & rolled out	N/A	N/A	N/A	N/A
Number of green redeem kiosks in operation	0	1	1	0
*Total number of quarterly users	0	Unknown	N/A	N/A
*Total Tonnage collected (t)	0	0.067	0.067	N/A

* Currently unknown - considerations to be put in place to calculate this figure

**estimated weight based on number of items. Greenredeem only able to provide a 2 week window of data: 26/02/16 - 11/03/16

Note: Harlow's scheme revolves solely around the Greenredeem kiosks and as such the most important data to consider is performance of the operational kiosks. The remaining data collection criteria recorded for the purposes of a complete partnership analysis as required in the original bid.

Due to the nature of Harlow's contribution to the scheme, they are limited by the information Greenredeem can provide. On this occasion the information that they have only covers a two week period between 26th February 2016 and 11th March 2016. Below is a breakdown of Passmores Academy kiosk contents for this period:



Using metrics provided by Greenredeem, bottles are estimated to weigh about 50g and cans about 15g. Based on the amounts reported, the kiosk collected approximately 67kg of recyclable material in this short window of time. Harlow expects to receive further data from Greenredeem in the near future and further analysis of the kiosks performance at Passmores Academy can be drawn at this time.

During the data collection period it was requested that Harlow provide the number of quarterly users of the kiosk, however after much consideration it was advised that this would be an unmanageable task due to the constraints of the machine.

It is however encouraging that the pupils at Passmores have bought into the kiosk and are using it to dispose of their recyclable waste. The school have incorporated the kiosk into their house points system, awarding points to the pupil's running house points total throughout the year when items are disposed responsibly. At the end of each academic year a house will win the competition and feedback has suggested channelling the pupil's competitive spirit is a great way to engage with them.

It is predicted that further data reports from Greenredeem will provide evidence which supports the benefits of the kiosk, and it is hoped that this information will help influence other schools to adopt a kiosk.

Tendring District Council

	Q3 2015/16 actual	Q4 2015/16 actual	Change from previous quarter	% Change
Total number of households in the District	68350	68350	0	0
Total Households benefiting from the scheme	0	65000	65000	0
*Total number of flats in the district	6347	6347	0	0
*Total number of flats benefiting from the scheme	529	590	61	12
Total Number of flat blocks receiving a food waste collection	0	0	N/A	N/A
Total Number of flat blocks receiving a dry recyclate collection	341	353	12	4
Total Number of schools receiving a food waste collection	15	19	4	27
Total Number of schools receiving a dry recyclate collection	65	65	0	0
Total Number of Households with weekly residual waste collection	68350	68350	0	0
Total households receiving a weekly food / organic waste collection	65000	65000	0	0
Total tonnage of residual waste collected in the district (t)	7991	8677	685	9
Total Recyclate Collected in the District (t)	2959	3279	320	11
Total Recycling rate in the District (%)	27.02	27.43	0.41	0.41
Total Food Waste Collected (t)	355	529	173	49
Total dry Recyclate Collected (t)	2291	2540	249	11
Total recyclate contamination rate across district (%)	5.22	2.27	-2.95	-56.53
Total contamination rate of recyclate across District (t)	155	74	-80	-52
Total Number of rejected dry recyclate bins (flats)	28	22	-6	-21
Total Number of rejected Food Waste bins (flats)	0	0	0	0
Total Number of reject dry recyclate bins (schools)	0	0	0	0
Total Number of rejected Food Waste bins (schools)	0	0	0	0
Number of recycling receptacles procured & rolled out	120	226	106	88

* Both data collection criterias added for Q3 and thus data not available for Q2 15/16

The most positive improvement in this quarter of the scheme is the procurement and rollout of an additional 106 recycling receptacles to flatted developments. Tendring have also experienced further successes with four additional schools now receiving a food waste collection. Food waste collection has increased substantially also since Q3, with Tendring attributing this largely to the food waste in schools and increase in food caddies in the district.

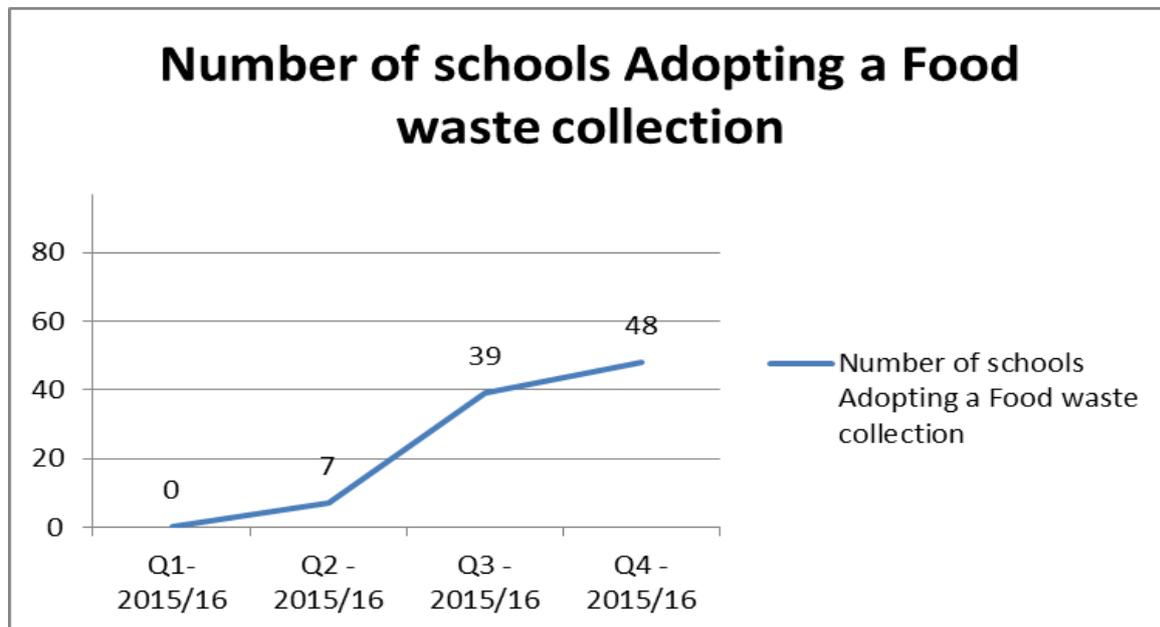
Tendring have also been able to monetize the caddy liner aspect of their scheme. They have managed to procure 70,000 rolls for 77 pence per roll and will be selling a portion of these for £1.50 to stakeholders. Tendring will therefore benefit from further income to re-invest into their waste management, and stakeholders will also be able to access caddy liners at a subsidised price.

Encouragingly, the number of rejected bins from flats has reduced as has contamination within the district by 80 tonnes. It's difficult to determine in the first instance if this is due to the new receptacles that have been rolled out, though as these bins have been specifically procured to reduce contamination and rejection, this is a fair assumption that can be drawn based on the data reported.

Progress towards meeting our key commitments

From the data provided by partners we are able to make the following conclusions on the progress being made to meeting the key commitments as set out in the Recycling Rewards Scheme Bid.

97 schools adopting weekly food recycling



Upon completion of Q4, both Braintree and Tendring have reported continued progress with this aspect of the scheme. Braintree now has a total of 29 schools participating in the food waste scheme and Tendring have a total of 19 schools taking part.

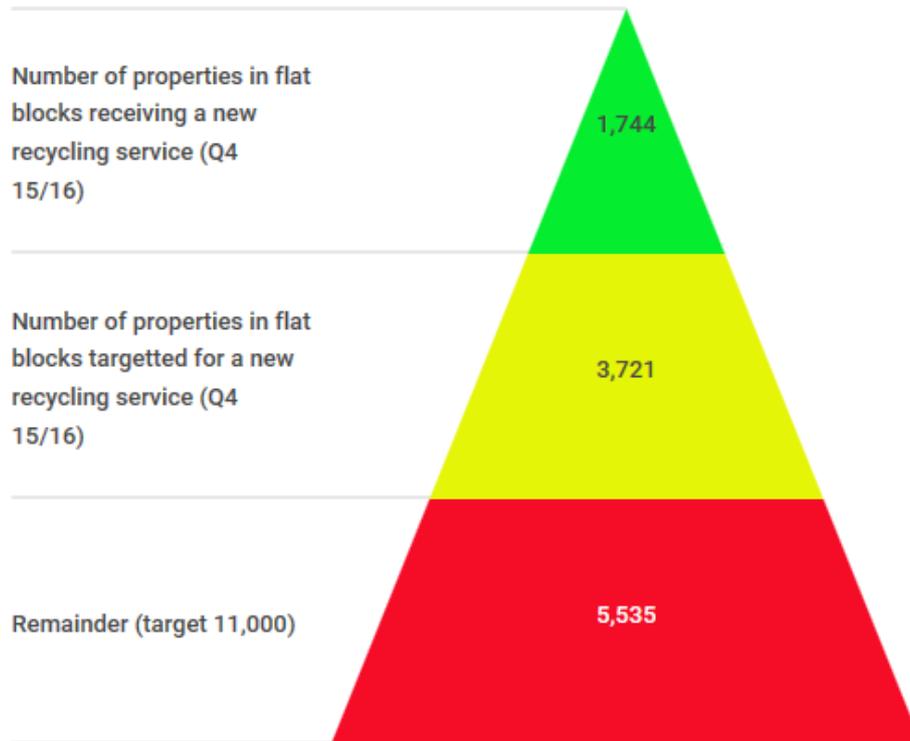
The legislative changes made prior to the start of the scheme requiring schools to provide free school meals in school up to year 2 has, as predicted, led to an increase in volume of food waste. It is encouraging that there are now facilities in place to address this issue.

Another benefit of the scheme is that the partnership plan to introduce a recycling education programme in conjunction with the new food waste schemes, this will encourage the primary school children to use the food waste receptacles, with the hope that this behaviour will extend to the home environment. Though this affect will be difficult to quantify, it is hoped that these actions by the partnership will contribute towards the lasting legacy towards 2020 as set out in the original bid.

The partnership is already at 49% of their goal at this early stage of the scheme, which is very encouraging. In addition, Braintree has reported six additional appointments scheduled with schools in their district to discuss the food waste scheme which will take place in Q1 2016/17.

11,000 properties in flat blocks receiving a new recycling service

Below is an update of the figures presented in Q3 2015/16. The graphs



The above graphic is a better representation of the rollout to flats to date. Currently 1744 flats have been rolled out to, and an additional 3721 have been deemed suitable sites for further roll outs.

Total financial benefits of £396,757 over the course of the scheme-

The financial benefits have yet to be seen, though this is expected. Despite setbacks for Epping Forest and Harlow, Braintree and Tendring are delivering against their milestones and it is hoped that once the scheme is fully implemented the financial benefits of increased recyclate will increase exponentially.

It must be noted however that there are signs that the impact of the scheme is starting to be felt and the increase in recyclate in this quarter when compared to the same quarter in the year prior has generated an income of approximately £47K.

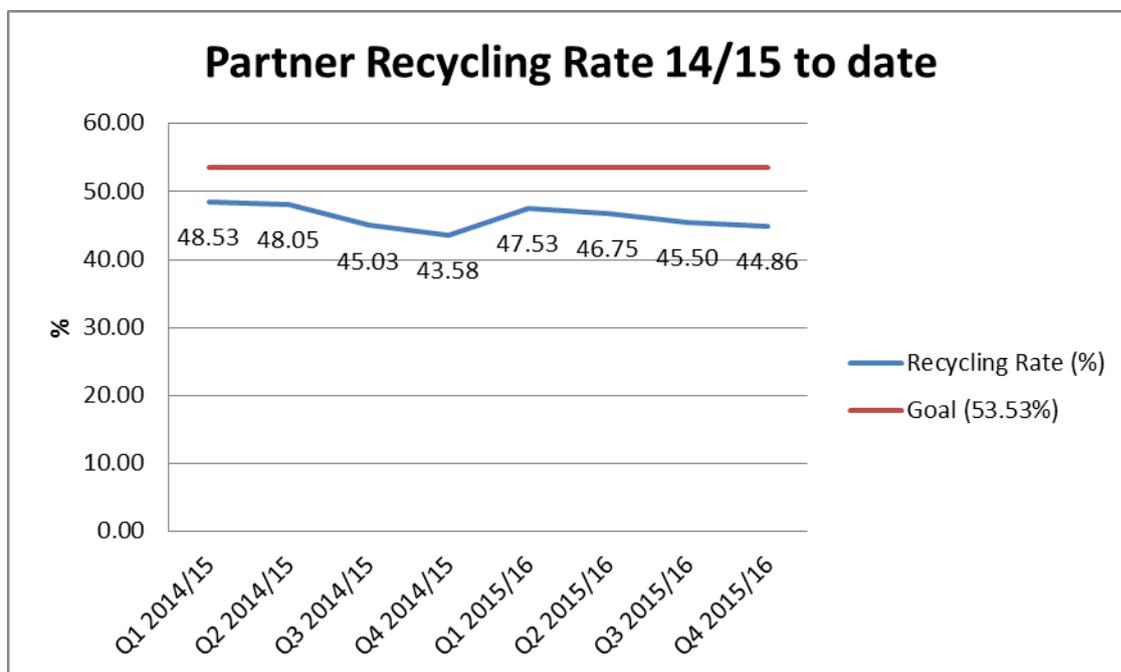
A total reduction in landfill waste of 9154 tonnes-

The amount of residual waste to landfill has remained largely consistent with historic reporting by the partnership.

It is anticipated that once more robust methods of collecting recycling from flats, schools and private dwellings are fully in place and adopted by stakeholders, the total tonnage diverted from landfill will begin to increase.

An increase in recycling rate by 5%

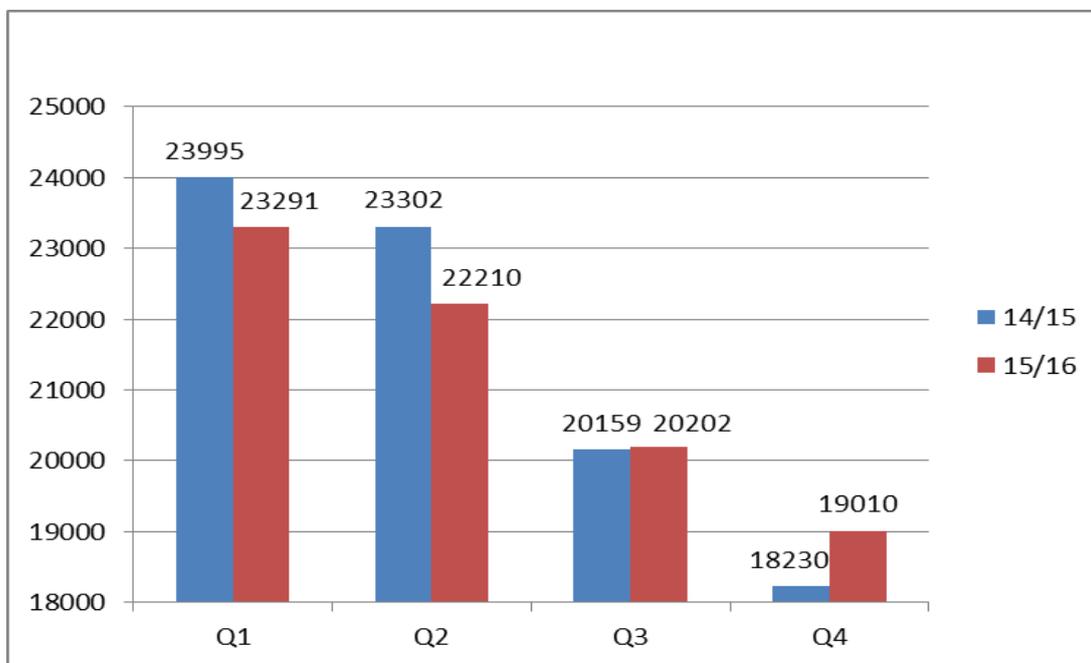
One of the core outcomes of the project is to increase the rates of recycling in flats and schools by up to 5%. Based on the Q1 figure for 14/15 the goal target would be a Partner recycling rate of 53.53%. Below are the recycling rates for the Partnership since Q1 14/15:



Meeting the Objectives set out in the Bid

The “**outputs and benefits**” section of the original bid document outlined three future positive impacts that would come from implementing this scheme. The three key data points to analyse within this document against real data are:

Change in volume of recyclate collected:



- Total recyclate collected between Q4 14/15 and Q4 15/16 showed a substantial increase in this quarter by 780 tonnes. This equates to approximately £47,000 in financial benefits when compared to the amount generated in the same quarter the year before.
- To date the net recyclate collection for the partnership since the beginning of the scheme is -973t
- The partnership were unable to meet their predicted first years target of 5059 tonnes, however the figure is somewhat mitigated by Epping Forest's change to a four day collection week and the localised issue that resulted from this.

Total households benefitting from the scheme:

- The total households benefitting from the scheme is open to interpretation. Officially, 1744 flats are receiving a new recycling service, and an additional 3721 flats have been approved for future rollout.
- The bid outlined a potential for 114,398 households to benefit from the scheme, and the partnership have identified how this is perceived. It is rationalised that the pupils attending schools with the new food waste scheme and educational programmes will be able to bring their learning home and adopt recycling habits to carry with them in the future. Greenredeem kiosks would also have the scope to reach significant numbers of people depending upon their placement (Harlow's difficulties may affect further sites)
- The partnership therefore will begin to identify measures to capture this information, and new reporting criteria will be implemented for 2016/17.
- Flatted developments that have been deemed unsuitable for bulk receptacles will be targeted with a canvassing campaign to encourage them to use their

current recycling systems, and thus contribute to the positive impacts the partnership hope to achieve.

Reduction of contamination rate 3.42%:

- The partnership's contamination rate as of Q4 2015/16 is currently at 4.3%. This figure is slightly skewed by Epping Forest's contamination reporting as they do not currently have dedicated officers to provide accurate data.

Lessons Learnt

The Q3 2015/16 report cited a number of challenges and experiences the partnership has learnt from; ranging from procurement restrictions and council policies to faulty receptacles and contractor disputes.

The partnership has however highlighted the likely biggest issue moving forward as the challenges around changing stakeholder behaviours. This is where the rewards element of the scheme will be pivotal. It will be important to gauge feedback from stakeholders and evidence from other DCLG schemes to ensure that the rewards are suitable for their target audience. If they get this step wrong, residents there is a risk that residents will less likely engage with the scheme.

Issues Log

The main area of focus for 2016/17 is amending the data collection criteria to include the number of pupils/households in the schools benefitting from a food waste and education schemes.

The partnership is also limited by Greenredeem's reporting from the kiosk at Passmores Academy therefore a new reporting schedule will need to be planned in order to regularly capture feedback from Greenredeem.