

Paper No. WRWA **22-34**

WESTERN RIVERSIDE WASTE AUTHORITY

MEETING	23rd November 2022
REPORT AUTHOR/DATE	General Manager <i>(Contact Mark Broxup - Tel. 020 8871 2788)</i> 9 th November 2022
SUBJECT	A Report outlining progress with operations and other matters since the previous meeting of the Authority.
CONTENTS	Page 1 Executive Summary Pages 1 to 7 Items reported on Page 8 Recommendations Appendix Tonnage Tables
STATUS	Open
BACKGROUND PAPERS	None

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EXECUTIVE SUMMARY

1. This paper brings Members up to date on operational and other matters, which, in themselves, do not warrant the production of a separate paper. The majority of these matters are for Members' information, but where approval is sought this is referred to in the report and summarised at the end. The specific matters covered in this report are:-

- a) Operations
- b) Performance Monitoring
- c) Waste Composition Survey
- d) Joint Waste Communications
- e) Constituent Council New Recycling Initiatives
- f) Progress on Governance Review
- g) Items costing between £5,000 and £30,000
- h) Comments of the Treasurer
- i) Recommendations

a) OPERATIONS

2. There has been no disruption to service to the main Transfer Station operations since the last Authority meeting.

b) PERFORMANCE MONITORING

Introduction

3. Detailed tonnage tables are attached as an Appendix to this report. The modelling to forecast the outturn figures for 2022/23 compares performance against the corresponding period in the previous year. Due to only six months' worth of data being available, the seasonal aspect of some waste types and the disruption caused by the impact of Covid-19 in 2021/22, the forecasts should be treated with a degree of caution. This particularly applies to the tonnages from the Royal Borough of Kensington and Chelsea ("**RBKC**") which saw the greatest movements during the pandemic. The tables shown set out:

- a) the tonnages of each waste type (including co-mingled recycling contamination) delivered by each constituent council in the current financial year up to 30th September 2022, together with projected outturn tonnages, compared against those budgeted for and the previous financial year's outturn; and

- b) comparisons of the tonnages of each major waste type handled by each constituent council on an annual basis.

Points to Highlight

4. If the trend in the level of waste arisings from the first six months of 2022/23 continues throughout the remainder of the financial year, there would be a 5.26% reduction in waste from 2021/22 and a 6.70% reduction from budget. Reductions are forecast for three boroughs and at the Household Waste and Recycling Centre, but the RBKC is predicted to have an increase in total waste of around 3.6%. However, all boroughs' total waste levels are forecast to be between 4% and 8% below pre-Covid levels.
5. The predictions for General Waste delivered by the constituent councils, when compared to 2021/22, are broadly following the same pattern as the total waste, with all boroughs showing significant decreases except for RBKC. However, except for RBKC, the tonnages of Co-Mingled Recyclables delivered by the constituent councils are also significantly down, with Lambeth recording a decrease of nearly 16%. Overall, the Authority has experienced a drop of around 10% in the tonnage of Co-mingled recyclables received which officers believe is a drop also being experienced by many other local authorities. The overall rate of Co-mingled contamination is currently down almost 0.4 percentage points from last year, at 14.45% overall, with Hammersmith & Fulham recording the highest levels at 17.72% and RBKC the lowest at 12.24%.
6. Tonnages at the Household Waste and Recycling Centre are down by around 13% compared to last year and 21% compared to budget. This may reflect the forecast 26% drop in Green Waste received as garden waste is often the main reason why members of the public visit the HWRC in the first place.
7. It is interesting to note that all the Statutory Joint Waste Disposal Authorities in London and the South London Waste partnership are also recording similar drops in tonnage, which would indicate that it is factors at the macro level such as reduced economic activity, climate impact (i.e. reduced vegetation growth during this summer caused by drought conditions), holidays (more people may have gone on holiday this July compared to last year due to the impact of the pandemic in 2021) and product light weighting that have the greatest impact on waste arisings.

c) AUTHORITY WIDE WASTE COMPOSITION SURVEY

Introduction

8. At the Authority meeting on 11th July 2019 (Paper No. WRWA 850), Members approved the procurement of an Authority-wide waste composition survey, to be carried out every 15 months. This would incorporate seasonal differences, providing four seasonal variations over five years.
9. As reported at the last committee meeting, the third waste composition survey took place in July 2022. The sampling regime involved the direct collection and compositional analysis of waste from a target of 150 properties from each of the four Boroughs. 75 properties were surveyed twice in Kensington and Chelsea, where there are two collections per week. The sampling process is a replication of the previous surveys to facilitate comparison with the previous survey results. The next survey is planned to take place in October 2023.
10. The survey results report has been distributed to Technical Officers and the full report can be made available to Members, on request. The headline results are:

Kerbside Residual Waste

- In terms of waste generation, presenting households were setting out an average of 9.83kg/hh/wk of residual waste.
- Food waste was seen to be the major component of residual waste forming 32.9% of the total, equating to 3.2kg/hh/wk. Of this food 40% is home compostable.
- Paper items made up 8.5% of the residual waste; 30% of this (0.25g/hh/wk) was alternatively recyclable at the kerbside.
- Card and cardboard made up around 3.8% of collected residual waste; 74% of this (0.27kg/hh/wk) was alternatively recyclable at the kerbside.
- Plastics formed 10.2% of the residual waste; 31% of all plastic waste (0.31kg/hh/wk) was due to recyclable plastic bottles and containers.
- 3.2% of residual waste was metallic; 22% of this (0.07kg/hh/wk) was recyclable in the mixed recycling.
- Around 3.9% of residual waste was seen to be glass; 92% of this (0.35kg/hh/wk) was due to glass bottles and jars.
- 7.5% of residual bin contents were found to be recyclable garden waste, amounting to 0.74kg/hh/wk.
- Overall, 12.8% of collected residual waste could have been placed into the mixed recycling available – the equivalent of 1.3kg/hh/wk.

- 14.1% of collected residual waste could have been placed into the food recycling bins by those households which have this service – the equivalent of 1.4kg/hh/wk.
- Including garden waste, an estimated 34.4% or 3.4kg/hh/wk across the WRWA authorities could have alternatively been recycled at the kerbside.

Kerbside mixed recycling

- In terms of waste generation, all kerbside households were setting out an average of 8.3kg/hh/wk of mixed recycling.
- Overall, 23.3% of all recycling waste collected from all properties was classified as contamination – the equivalent of 1.4kg/hh/wk.
- 35% of contamination was due to mixed general waste with 21% non-recyclable plastics and 20% non-recyclable paper and card.
- Around 75% of recyclable paper and 88% of recyclable card was correctly captured.
- 79% of plastic bottles were recycled, along with 65% of plastic containers.
- 81% of recyclable tins and cans were recycled, along with 88% of glass bottles and jars.

Food Recycling

- In terms of waste generation, participating Hammersmith & Fulham households set out 4.1kg/hh/wk of food recycling. Lambeth residents set out 2.5kg/hh/wk, with Kensington & Chelsea households presenting 1.9kg/hh/wk.
- 42% of Lambeth food waste and 53% of Kensington & Chelsea food waste was correctly captured using the supplied container. The rate for Hammersmith & Fulham was 60.5%.

Overall

- Overall, participating WRWA households generate 20.9kg/hh/wk of total kerbside waste, diverting around 39.4% of this via all available kerbside recycling collections.

d) JOINT COMMUNICATIONS PLAN

Introduction

11. At the June meeting of the Authority (Paper No. WRWA 22-14), it was resolved for officers to explore the potential for delivering joint communications campaigns with the constituent councils and report back to the September 2022 Authority meeting.
12. A report of the research, meetings with the constituent councils and action taken was presented to Members in September 2022 (Paper No. WRWA 22-23). This included budgetary information of the communications activity delivered in the other London statutory waste disposal authority groupings. During the discussion that followed, Members commented that:
- Officers should explore attracting representative ambassadors from the community as they would be able to spread the message more effectively;
 - Social Media is being used to educate and promote waste and recycling within the Boroughs and being delivered locally by them;
 - Joint communications should be taking place at a London level by ReLondon.
13. It was resolved to instruct officers to continue liaison on the potential for joint communications with constituent council Technical and Communications Officers and report back to the November 2022 meeting of the Authority.

Continued Liaison Activity

14. A meeting was held with Communications officers from the constituent councils on 3rd October 2022 to feedback on Members' views and discuss the appetite and potential to deliver joint communications. The Technical Officer from Lambeth was also in attendance.
15. Attendees were asked to comment on their views and cite examples from their experience of other joint communications campaigns that have been successful. The discussion was varied and the following comments from Officers were noted:
- Councils worked together well to devise and promote joint messages around the Covid-19 pandemic;
 - Joint outdoor advertising would enhance Boroughs' own digital media coverage;

- The cost of living crisis is a key topic at the moment;
- Delivery of a positive message to promote materials that we all want to get out of the waste stream;
- The constituent councils already have representatives on various pan-London waste campaigns, through the London Councils' 'One World Living' initiative;
- Is there an option to not carry out joint communications?

16. These discussions were fed back to Technical Officers at a meeting on 19th October 2022. It was recognised at the meeting that there are economies of scale to be realised through co-ordination between the four Boroughs on joint communications campaigns.

Next Steps

17. Although there is interest from selected borough officers for the Authority to initiate and pursue joint communications activity, there is currently no consensus agreement between them. In fact one borough specifically is not keen to pursue the idea, seeing much more value in targeted localised communications within borough rather than generic campaigns. By their nature, joint communications activities would need agreement and 'buy-in' from all boroughs to be successful and justify activity and associated spend.

18. It is also unclear, given its limited staffing structure, what value the Authority can add to such generic campaigns. There may be cost efficiencies if two or more boroughs wished to develop generic artwork that each could brand as its own, but the constituent councils have internal departments that can assist with that and, historically, the Authority simply paid Wandsworth Council for such services. The idea of recruiting local ambassadors to promote desired behaviour is an idea worth exploring, but again it is one that the constituent councils are better placed to deliver than this Authority. Given their direct and varied involvement with the public, the constituent councils are also far better placed to promote generic messages through social media than the Authority.

19. Generic campaigns on waste prevention and waste minimisation are universal messages, not influenced by local service delivery, that ought to be more effectively delivered on a London-wide basis and it would seem appropriate for the constituent councils to lobby bodies, such as ReLondon, to provide such campaigns.

20. There will always be the need for joint communications on specific matters such as the operation of the Household Waste and Recycling Centre ("HWRC"), or in response to emergencies such as the pandemic or events like the Queen's funeral. In such circumstances there have always been good and effective communications between the Authority and the Constituent Councils, with the introduction of the HWRC booking system being a very good example. In 2023 the Authority and the constituent councils will begin to develop a Joint Municipal Waste Management Strategy and inevitably there will be joint communications to be developed around that, in particular for the full public consultation that will be needed.
21. Given that there is currently no consensus between the constituent councils of the desire to jointly deliver generic communications campaigns, it is recommended that the Authority instruct officers to keep the matter under review through the structure and context of the Joint Municipal Waste Management Strategy.

e) CONSTITUENT COUNCIL NEW RECYCLING INITIATIVES

22. At the meeting of the Authority on 22nd September 2010 (Paper No. WRWA 669A) Members instructed the Clerk to write to each of the constituent councils to inform them that, in future, should they wish to make arrangements themselves to recycle any significant tonnage of waste then, in accordance with Section 48 of the Environment Protection Act 1990, they must, as soon as reasonably practicable, notify the Authority in writing. The Authority will then approve or object to any such proposal at its next available meeting. The Clerk wrote to the constituent councils, as instructed, on 27th October 2010.
23. The constituent councils have not notified the Authority of any new initiatives since the previous Authority meeting.

f) PROGRESS ON GOVERNANCE REVIEW

24. The Deputy Chair, who is leading on the governance working group, has prepared and shared a draft set of protocols with members for consideration. Regular online meetings are scheduled to take place once all boroughs have nominated a member for the working group.

g) ITEMS COSTING BETWEEN £5,000 AND £30,000

25. There has been one reportable item of expenditure authorised by officers under delegated powers within the band range of £5,000 to £30,000 since the last Authority meeting:

Wilks Head and Eve	Asset valuation 2021-22	£9,000
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h) COMMENTS OF THE TREASURER

26. The Treasurer advises that, as outlined in the January Budget paper (Paper No. WRWA 22-03), constituent councils are always advised to make their own assumptions regarding tonnage levels when setting and monitoring their budgets.

i) RECOMMENDATIONS

27. It is recommended that the Authority:

- a) instructs officers to keep the matter of a Joint Communications campaign under review through the structure and context of the Joint Municipal Waste Strategy (see paragraphs 11 to 21 above); and
- b) otherwise receives this report as information.

M. Broxup
GENERAL MANAGER

Western Riverside Administration Office
Smugglers Way
Wandsworth
SW18 1JS

9th November 2022

After 6 months of 2022/2023

General Waste Delivered (Tonnes)

	2018/2019	2019/2020	2020/2021	2021/2022	TO DATE	FORECAST	Annual		2022/2023	Budget	
					2022/2023	2022/2023	Change	Change	Budget	Change	Change
					2022/2023	2022/2023	Tonnes	Percent	Tonnes	Tonnes	Percent
HF	57,772	56,021	55,590	55,435	26,643	51,600	- 3,834	-6.92%	56,074	- 4,474	-7.98%
KC	59,581	58,209	46,755	53,842	27,712	56,259	2,417	4.49%	53,537	2,722	5.08%
LA	89,226	86,536	88,694	87,517	43,471	84,297	- 3,219	-3.68%	88,125	- 3,828	-4.34%
WA	76,028	75,666	80,509	78,795	37,773	73,037	- 5,758	-7.31%	80,119	- 7,082	-8.84%
WRWA	9,713	8,865	9,504	7,939	3,883	6,734	- 1,205	-15.18%	8,517	- 1,783	-20.93%
Total	292,321	285,298	281,052	283,526	139,481	271,927	- 11,599	-4.09%	286,372	- 14,445	-5.04%
Change		- 7,023	- 4,247	2,475		11,599					
Percentage Change		-2.40%	-1.49%	0.88%		-4.09%					

Co-Mingled Waste Delivered (Tonnes)

	2018/2019	2019/2020	2020/2021	2021/2022	TO DATE	FORECAST	Annual		2022/2023	Budget	
					2022/2023	2022/2023	Change	Change	Budget	Change	Change
					2022/2023	2022/2023	Tonnes	Percent	Tonnes	Tonnes	Percent
HF	11,146	11,703	12,573	12,030	5,532	10,915	- 1,115	-9.27%	12,394	- 1,480	-11.94%
KC	16,087	15,961	12,528	14,076	6,914	14,371	295	2.10%	14,049	322	2.29%
LA	19,858	19,543	22,317	20,728	8,890	17,467	- 3,261	-15.73%	21,588	- 4,121	-19.09%
WA	20,173	20,355	23,577	21,842	9,637	19,127	- 2,715	-12.43%	22,618	- 3,491	-15.43%
WRWA	601	538	373	407	200	363	- 44	-10.87%	529	- 166	-31.36%
Total	67,864	68,099	71,368	69,082	31,172	62,242	- 6,840	-9.90%	71,178	- 8,936	-12.55%
Change		235	3,269	2,286		6,840					
Percentage Change		0.35%	4.80%	-3.20%		-9.90%					

Co-Mingled Contamination (Percentage)

	2018/2019	2019/2020	2020/2021	2021/2022	TO DATE	FORECAST	Change in
					2022/2023	2022/2023	Point
HF	15.19%	13.62%	13.93%	16.93%	17.72%	17.72%	0.79%
KC	11.66%	10.64%	11.03%	11.48%	12.24%	12.24%	0.75%
LA	16.40%	14.31%	14.49%	16.59%	15.38%	15.38%	-1.21%
WA	14.14%	12.78%	13.49%	14.12%	13.49%	13.49%	-0.63%
WRWA	14.57%	12.84%	13.90%	14.84%	14.45%	14.45%	-0.39%

Co-Mingled Contamination (Tonnes)

	2018/2019	2019/2020	2020/2021	2021/2022	TO DATE	FORECAST	Annual		2017/2018	2022/2023	Budget	
					2022/2023	2022/2023	Change	Change	Budget	Budget	Change	Change
					2022/2023	2022/2023	Tonnes	Percent	Percentage	Tonnes	Tonnes	Percent
HF	1,693	1,594	1,752	2,036	980	1,934	- 102	-5.01%	16.1%	1,998	- 64	-3.22%
KC	1,875	1,699	1,382	1,616	846	1,758	142	8.81%	10.8%	1,521	238	15.63%
LA	3,257	2,796	3,233	3,439	1,367	2,687	- 752	-21.88%	16.3%	3,518	- 832	-23.64%
WA	2,852	2,602	3,181	3,084	1,300	2,580	- 503	-16.32%	14.2%	3,202	- 622	-19.42%
WRWA	88	69	52	60	29	52	- 8	-13.19%	14.4%	76	- 24	-31.35%
Total	9,764	8,760	9,600	10,235	4,523	9,012	- 1,224	-11.95%	14.5%	10,316	- 1,304	-12.64%
Change		- 1,005	840	635		1,224						
Percentage Change		-10.29%	9.59%	6.62%		-11.95%						

Green Waste Delivered (Tonnes)

	2018/2019	2019/2020	2020/2021	2021/2022	TO DATE	FORECAST	Annual		2022/2023	Budget	
					2022/2023	2022/2023	Change	Change	Budget	Change	Change
					2022/2023	2022/2023	Tonnes	Percent	Tonnes	Tonnes	Percent
HF	121	83	98	78	-	78	0	0.40%	-	78	0.00%
KC	429	475	495	514	183	417	- 97	-18.93%	499	- 82	-16.40%
LA	546	733	608	574	354	1,630	1,056	184.01%	399	1,232	309.08%
WA	340	449	365	325	51	225	- 100	-30.74%	257	- 32	-12.30%
WRWA	3,190	3,171	3,099	2,647	1,298	1,954	- 694	-26.21%	2,822	- 868	-30.77%
Total	4,626	4,911	4,665	4,139	1,886	4,304	166	4.00%	3,976	328	8.26%
Change		285	- 245	527		166					
Percentage Change		6.16%	-5.00%	-11.29%		4.00%					

Clinical Waste Delivered (Tonnes)

	2018/2019	2019/2020	2020/2021	2021/2022	Annual				2022/2023		
					TO DATE 2022/2023	FORECAST 2022/2023	Change Tonnes	Change Percent	Budget Tonnes	Change Tonnes	Change Percent
HF	23	18	16	14	6	11	-2	-17.94%	14	-3	-21.31%
KC	2	1	1	1	1	1	0	0.20%	1	0	-4.76%
LA	3	3	4	6	3	7	1	18.04%	6	1	14.90%
WA	64	66	65	75	35	72	-3	-3.98%	79	-7	-8.76%
WRWA	-	-	-	-	-	-	-	0.00%	-	-	0.00%
Total	92	88	87	96	45	92	4	-4.54%	101	-9	-9.03%
Change	-	3	2	9	-	4					
Percentage Change		-3.51%	-1.85%	10.48%		-4.54%					

Detritus Waste Delivered (Tonnes)

	2018/2019	2019/2020	2020/2021	2021/2022	Annual				2022/2023		
					TO DATE 2022/2023	FORECAST 2022/2023	Change Tonnes	Change Percent	Budget Tonnes	Change Tonnes	Change Percent
HF	611	449	463	434	203	350	-84	-19.39%	502	-153	-30.38%
KC	623	1,021	806	707	301	587	-120	-16.96%	731	-144	-19.65%
LA	760	518	542	562	183	408	-154	-27.42%	519	-111	-21.42%
WA	2,992	2,841	2,861	2,613	1,051	2,334	-280	-10.70%	2,539	-205	-8.08%
WRWA	-	-	-	-	-	-	-	0.00%	-	-	0.00%
Total	4,986	4,829	4,672	4,316	1,738	3,679	638	-14.77%	4,291	-613	-14.27%
Change	-	157	157	356	-	638					
Percentage Change		-3.15%	-3.24%	-7.61%		-14.77%					

Battery Waste Delivered (Tonnes)

	2018/2019	2019/2020	2020/2021	2021/2022	Annual				2022/2023		
					TO DATE 2022/2023	FORECAST 2022/2023	Change Tonnes	Change Percent	Budget Tonnes	Change Tonnes	Change Percent
HF	1	1	0	0	0	1	0	62.90%	-	1	0.00%
KC	-	-	-	-	-	-	-	0.00%	-	-	0.00%
LA	-	-	-	-	-	-	-	0.00%	-	-	0.00%
WA	-	-	-	-	-	-	-	0.00%	-	-	0.00%
WRWA	15	24	32	26	14	26	0	-1.10%	29	-3	-10.69%
Total	15	25	32	26	14	26	0	0.06%	29	-2	-7.98%
Change	-	10	7	6	-	0					
Percentage Change		63.14%	28.69%	-17.56%		0.06%					

Electrical Waste Delivered (Tonnes)

	2018/2019	2019/2020	2020/2021	2021/2022	Annual				2022/2023		
					TO DATE 2022/2023	FORECAST 2022/2023	Change Tonnes	Change Percent	Budget Tonnes	Change Tonnes	Change Percent
HF	9	20	10	13	5	9	-4	-27.91%	11	-2	-14.88%
KC	33	26	32	15	4	8	-8	-50.27%	15	-7	-47.99%
LA	122	113	106	70	29	42	-28	-39.85%	69	-27	-38.83%
WA	3	2	4	1	0	1	0	-40.49%	1	0	-44.88%
WRWA	751	726	792	673	300	551	-122	-18.10%	715	-164	-22.95%
Total	917	888	944	772	338	611	161	-20.91%	811	-200	-24.67%
Change	-	29	56	172	-	161					
Percentage Change		-3.19%	6.36%	-18.25%		-20.91%					

Fridge Waste Delivered (Tonnes)

	2018/2019	2019/2020	2020/2021	2021/2022	Annual				2022/2023		
					TO DATE 2022/2023	FORECAST 2022/2023	Change Tonnes	Change Percent	Budget Tonnes	Change Tonnes	Change Percent
HF	91	89	81	88	39	71	-18	-19.88%	89	-19	-20.72%
KC	64	51	39	45	22	37	-8	-16.87%	48	-11	-22.74%
LA	179	174	172	151	57	103	-48	-31.90%	151	-48	-31.82%
WA	96	153	75	59	30	63	4	5.93%	59	3	5.90%
WRWA	78	79	74	56	28	49	-7	-12.20%	56	-7	-12.21%
Total	507	546	440	400	175	323	77	-19.19%	404	-81	-20.03%
Change	-	39	105	40	-	77					
Percentage Change		7.60%	-19.30%	-9.19%		-19.19%					

Gas Bottle Waste Delivered (Tonnes)

	2018/2019	2019/2020	2020/2021	2021/2022	Annual				2022/2023				
					TO DATE 2022/2023	FORECAST 2022/2023	Change Tonnes	Change Percent	Budget Tonnes	Change Tonnes	Change Percent		
HF	1	1	1	1	0	1	-	1	-48.70%	3	-	2	-72.33%
KC	1	1	1	2	1	4		2	93.87%	1		3	290.54%
LA	3	4	1	2	2	2		0	28.07%	3	-	1	-21.33%
WA	1	1	1	1	0	0	-	0	-59.96%	1	-	1	-74.59%
WRWA	15	-	16	24	11	21	-	3	-13.89%	11		10	89.03%
Total	21	6	20	30	15	28	-	2	-7.01%	18	10	10	52.24%
Change	-	15	14	10	-	2							
Percentage Change		-70.03%	218.55%	48.08%		-7.01%							

Carpet Waste Delivered (Tonnes)

	2018/2019	2019/2020	2020/2021	2021/2022	Annual				2022/2023				
					TO DATE 2022/2023	FORECAST 2022/2023	Change Tonnes	Change Percent	Budget Tonnes	Change Tonnes	Change Percent		
HF	-	-	-	-	-	-	-	-	0.00%	-	-	-	0.00%
KC	-	-	-	-	-	-	-	-	0.00%	-	-	-	0.00%
LA	-	-	-	-	-	-	-	-	0.00%	-	-	-	0.00%
WA	-	-	-	-	-	-	-	-	0.00%	-	-	-	0.00%
WRWA	269	375	365	281	-	-	-	281	-100.00%	396	-	396	-100.00%
Total	269	375	365	281	-	-	-	281	-100.00%	396	-	396	-100.00%
Change		106	-	10	-	84		-	281				
Percentage Change		39.28%	-2.66%	-23.01%		-100.00%							

Inert Waste Delivered (Tonnes)

	2018/2019	2019/2020	2020/2021	2021/2022	Annual				2022/2023				
					TO DATE 2022/2023	FORECAST 2022/2023	Change Tonnes	Change Percent	Budget Tonnes	Change Tonnes	Change Percent		
HF	-	5	-	-	-	-	-	-	0.00%	-	-	-	0.00%
KC	-	-	2	-	-	-	-	-	0.00%	-	-	-	0.00%
LA	1	2	-	5	-	-	-	5	-100.00%	5	-	5	-100.00%
WA	0	15	4	-	-	-	-	-	0.00%	-	-	-	0.00%
WRWA	1,624	1,677	1,891	1,508	634	958	-	550	-36.49%	1,765	-	807	-45.73%
Total	1,625	1,700	1,897	1,513	634	958	-	555	-36.69%	1,770	-	812	-45.88%
Change		75	197	-	384	-	555						
Percentage Change		4.61%	11.58%	-20.25%		-36.69%							

Oil/Paint/Rigid Plastics Waste Delivered (Tonnes)

	2018/2019	2019/2020	2020/2021	2021/2022	Annual				2022/2023				
					TO DATE 2022/2023	FORECAST 2022/2023	Change Tonnes	Change Percent	Budget Tonnes	Change Tonnes	Change Percent		
HF	0	-	-	0	0	0		0	200.80%	0		0	802.41%
KC	-	-	0	-	-	-	-	-	0.00%	0	-	0	-100.00%
LA	-	-	-	6	15	21		15	256.42%	1		20	3476.44%
WA	-	-	-	-	-	-	-	-	0.00%	-	-	-	0.00%
WRWA	17	17	16	39	51	232		194	501.41%	16		216	1332.47%
Total	17	17	16	45	66	253	209	468.60%		17	236	1401.50%	
Change		0	-	1	28	209							
Percentage Change		2.73%	-5.31%	171.38%		468.60%							

Paper/Cardboard Waste Delivered (Tonnes)

	2018/2019	2019/2020	2020/2021	2021/2022	Annual				2022/2023				
					TO DATE 2022/2023	FORECAST 2022/2023	Change Tonnes	Change Percent	Budget Tonnes	Change Tonnes	Change Percent		
HF	-	-	-	-	-	-	-	-	0.00%	-	-	-	0.00%
KC	-	-	-	-	-	-	-	-	0.00%	-	-	-	0.00%
LA	439	423	423	323	140	246	-	77	-23.89%	344	-	98	-28.47%
WA	-	-	2	-	-	-	-	-	0.00%	-	-	-	0.00%
WRWA	793	962	1,171	1,023	447	811	-	211	-20.67%	1,209	-	398	-32.89%
Total	1,232	1,385	1,595	1,346	587	1,057	-	289	-21.45%	1,553	-	496	-31.91%
Change		152	211	-	249	-	289						
Percentage Change		12.35%	15.21%	-15.61%		-21.45%							

Scrap Metal Waste Delivered (Tonnes)

	2018/2019	2019/2020	2020/2021	2021/2022	Annual				2022/2023				
					TO DATE 2022/2023	FORECAST 2022/2023	Change Tonnes	Change Percent	Budget Tonnes	Change Tonnes	Change Percent		
HF	4	19	10	16	10	17		1	4.88%	14		3	17.88%
KC	1	0	-	4	0	0	-	3	-92.27%	4	-	3	-92.27%
LA	112	114	62	61	29	45	-	16	-26.32%	72	-	27	-37.50%
WA	0	4	7	-	-	-	-	-	0.00%	-	-	-	0.00%
WRWA	721	666	699	684	324	550	-	134	-19.60%	789	-	240	-30.35%
Total	837	803	779	764	364	612	-	153	-19.96%	879	-	267	-30.40%
Change		-	34	-	25	-	153						
Percentage Change		-4.08%	-3.06%	-1.86%		-19.96%							

Textile Waste Delivered (Tonnes)

	2018/2019	2019/2020	2020/2021	2021/2022	TO DATE 2022/2023	FORECAST 2022/2023	Annual		2022/2023 Budget Tonnes	Budget	
							Change Tonnes	Change Percent		Change Tonnes	Change Percent
HF	-	-	-	-	-	-	-	0.00%	-	-	0.00%
KC	-	-	-	-	-	-	-	0.00%	-	-	0.00%
LA	-	-	-	-	-	-	-	0.00%	-	-	0.00%
WA	-	-	-	-	-	-	-	0.00%	-	-	0.00%
WRWA	234	254	287	260	134	246	15	-5.70%	287	42	-14.55%
Total	234	254	287	260	134	246	15	-5.70%	287	42	-14.55%
Change		20	33	27	-	15					
Percentage Change		8.46%	13.12%	-9.31%		-5.70%					

Tyre Waste Delivered (Tonnes)

	2018/2019	2019/2020	2020/2021	2021/2022	TO DATE 2022/2023	FORECAST 2022/2023	Annual		2022/2023 Budget Tonnes	Budget	
							Change Tonnes	Change Percent		Change Tonnes	Change Percent
HF	0	1	0	2	0	0	2	-95.45%	2	2	-94.47%
KC	-	-	0	-	-	-	-	0.00%	0	0	-100.00%
LA	12	8	5	7	3	5	3	-35.95%	8	3	-38.83%
WA	1	1	1	1	1	2	2	286.88%	0	2	948.60%
WRWA	0	-	-	12	7	21	9	71.85%	0	1,107	#####
Total	13	9	7	22	11	28	6	26.08%	10	18	178.45%
Change		5	2	15		6					
Percentage Change		-34.03%	-18.55%	206.94%		26.08%					

Wood Waste Delivered (Tonnes)

	2018/2019	2019/2020	2020/2021	2021/2022	TO DATE 2022/2023	FORECAST 2022/2023	Annual		2022/2023 Budget Tonnes	Budget	
							Change Tonnes	Change Percent		Change Tonnes	Change Percent
HF	-	-	-	-	-	-	-	0.00%	-	-	0.00%
KC	1	1	-	-	-	-	-	0.00%	-	-	0.00%
LA	251	140	-	58	132	317	259	443.44%	-	191	0.00%
WA	-	-	-	-	-	-	-	0.00%	-	-	0.00%
WRWA	3,474	3,773	3,808	3,298	1,631	2,852	446	-13.53%	3,597	745	-20.72%
Total	3,726	3,913	3,808	3,356	1,763	3,169	187	-5.58%	3,597	428	-11.90%
Change		187	104	452		187					
Percentage Change		5.02%	-2.67%	-11.88%		-5.58%					

Total Waste Delivered (Tonnes)

	2018/2019	2019/2020	2020/2021	2021/2022	TO DATE 2022/2023	FORECAST 2022/2023	Annual		2022/2023 Budget Tonnes	Budget	
							Change Tonnes	Change Percent		Change Tonnes	Change Percent
HF	69,779	68,410	68,843	68,112	32,438	63,054	5,058	-7.43%	69,104	6,051	-8.76%
KC	76,822	75,746	60,660	69,206	35,138	71,684	2,478	3.58%	68,885	2,799	4.06%
LA	111,510	108,311	112,934	110,069	53,308	104,463	5,606	-5.09%	111,288	6,825	-6.13%
WA	99,698	99,551	107,470	103,711	48,579	94,860	8,851	-8.53%	105,672	10,812	-10.23%
WRWA	21,494	21,128	22,129	18,877	8,961	16,453	2,424	-12.84%	20,737	4,284	-20.66%
Total	379,303	373,146	372,036	369,975	178,424	350,514	19,461	-5.26%	375,687	25,173	-6.70%
Change		6,157	1,110	2,061		19,461					
Percentage Change		-1.62%	-0.30%	-0.55%		-5.26%					