

Environment & Regeneration

Waste & Recycling

Performance Report

Annual 2022/23

CONTENTS

1. KEY PERFORMANCE INDICATORS & TRENDS

PAM/030 – Percentage of waste, reused, recycled or composted.

PAM/043 – Kilograms of residual waste generated per person.

WMT/004 – The percentage of municipal waste collected by local authorities sent to landfill.

WMT/012 – The percentage of municipal waste collected by local authorities sent to Energy from Waste.

Carbon Efficiency

2. COLLECTED MATERIAL DATA ANALYSIS

Residual Waste

Kerbside Dry Recycling

Kerbside Composting

HWRC

Commercial & Industrial

3. ROUND DATA

Residual Round Data

Recycling Round Data

4. DEMAND DATA

Request Data

KEY PERFORMANCE INDICATORS & TRENDS

Local Authorities within Wales have been set statutory recycling targets of 64% by 2019/20 and 70% by 2024/25. Failure to meet these targets may result in Blaenau Gwent being issued a fine from Welsh Government at the rate of £200 per tonne for every tonne reported below the target level.

Please note: The following indicators are not the final version and may change following final validation by Natural Resources Wales (NRW).

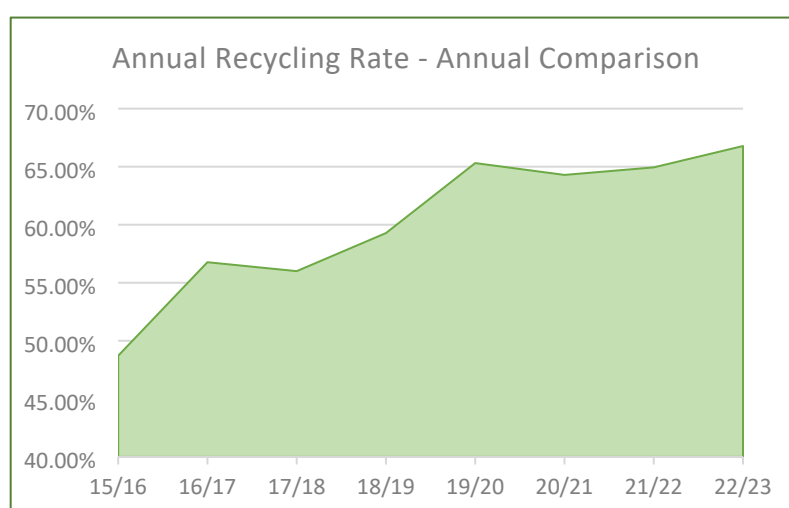
PAM/030 – Percentage of waste reused, recycled or composted.

	Quarter 1	Quarter 2	Quarter 3	Quarter 4	2022-23
<i>Dry Reuse</i>	48.732	43.72	42.81	47.29	182.54
<i>Dry Recycling</i>	3680.858	3,750.72	3,576.75	4,216.98	15,225.31
<i>Composting</i>	1,544.86	1,447.52	1,135.42	1,069.33	5,197.12
<i>Total Municipal Waste</i>	7,784.52	7,675.89	7,353.42	8,042.64	30,856.47
<i>Dry Reuse %</i>	0.63%	0.57%	0.58%	0.59%	0.59%
<i>Dry Recycling %</i>	47.28%	48.86%	48.64%	52.43%	49.34%
<i>Composting %</i>	19.85%	18.86%	15.44%	13.30%	16.84%
<i>Recycling Rate</i>	67.76%	68.29%	64.66%	66.32%	66.78%
<i>Wales Average</i>	67.75%	66.85%	65.06%	64.42%	66.09%

With the exception of quarter 3 Blaenau Gwent exceeded the Wales average each quarter. The annual recycling rate of 66.78% was 0.69 percentage points higher than the Wales average.

Annual Comparison

Year	Recycling Rate
2015-16	48.71%
2016-17	56.77%
2017-18	56.00%
2018-19	59.28%
2019-20	65.31%
2020-21	64.29%
2021-22	64.94%
2022-23	66.78%



In comparison to 2021-22 the annual recycling rate has improved by 1.84 percentage points.

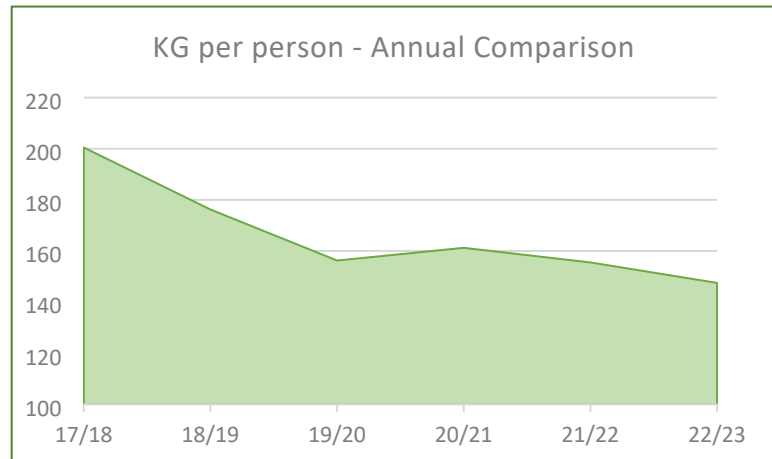
PAM/043 – Kilograms of residual waste generated per person.

	Quarter 1	Quarter 2	Quarter 3	Quarter 4	2022-23
Total Residual Waste	2510.068	2433.941	2598.449	2709.048	10251.506
BGCBC Population*	69508	69508	69508	69508	69508
KG per person	36.11	35.02	37.38	38.97	147.49

*Sourced from Stats Wales 2018 based population projections

Annual Comparison

Year	KG per person
2017-18	200.48
2018-19	176.21
2019-20	156.25
2020-21	161.22
2021-22	155.50
2022-23	147.49



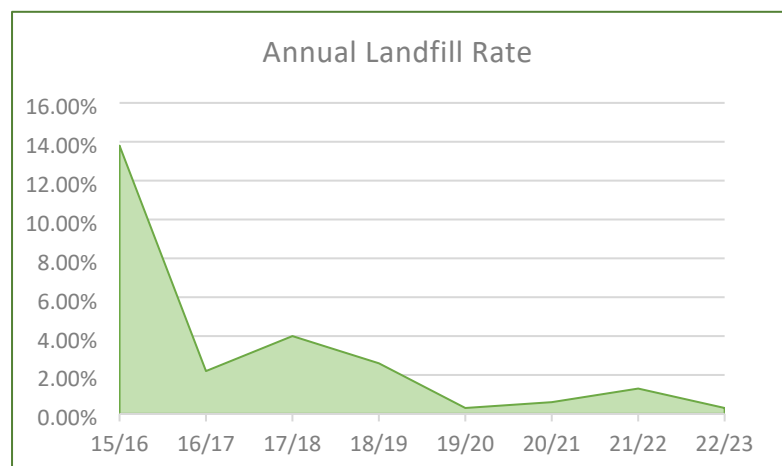
With the exception of 2020-21 year on year there has been a decrease to the amount of residual waste each resident generates. Since 2017-18 there has been a decrease of 52.99 kg per person of residual waste.

WMT/004 – The percentage of municipal waste collected by local authorities sent to landfill.

	Quarter 1	Quarter 2	Quarter 3	Quarter 4	2022-23
Total Landfilled	53.177	28.209	6.887	8.209	96.482
Total Municipal Waste	7784.516	7675.892	7353.423	8042.641	30856.472
Landfill Rate	0.68%	0.37%	0.09%	0.10%	0.31%

Annual Comparison

Year	Landfill Rate
2015-16	13.8%
2016-17	2.2%
2017-18	4.0%
2018-19	2.6%
2019-20	0.3%
2020-21	0.6%
2021-22	1.3%
2022-23	0.3%

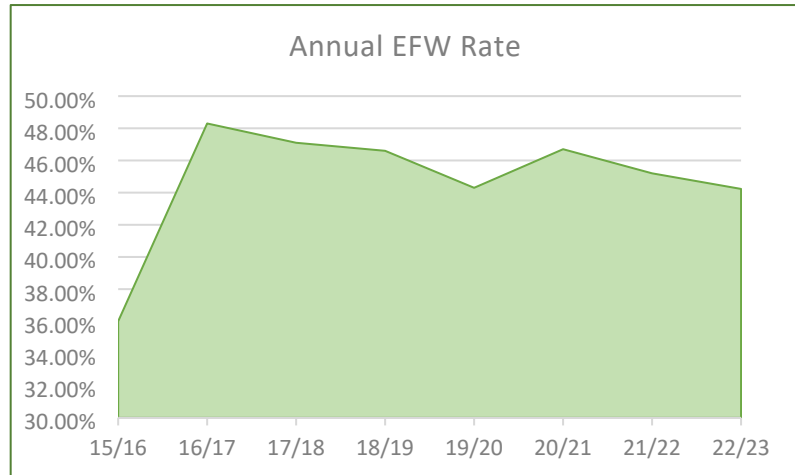


WMT/012 – The percentage of municipal waste collected by local authorities sent to Energy from Waste.

	Quarter 1	Quarter 2	Quarter 3	Quarter 4	2022-23
Total Sent to EFW	3315.211	3251.196	3477.577	3604.460	13648.444
Total Municipal Waste	7784.516	7675.892	7353.423	8042.641	30856.472
EFW Rate	42.59%	42.36%	47.29%	44.82%	44.23%

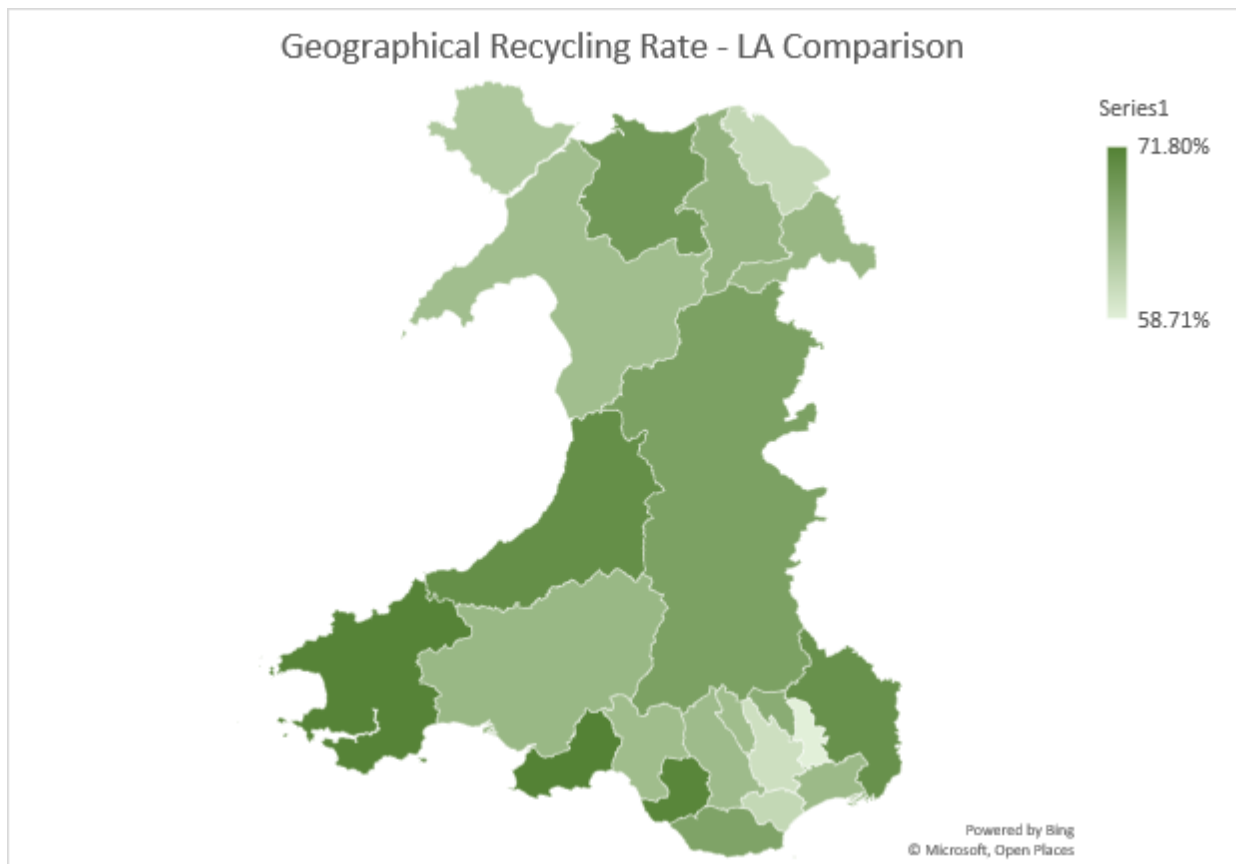
Annual Comparison

Year	EFW Rate
2015-16	36.00%
2016-17	48.30%
2017-18	47.10%
2018-19	46.60%
2019-20	44.30%
2020-21	46.70%
2021-22	45.20%
2022-23	44.23%



Local Authority Comparison – Annual 2022-23

Local Authority	Pos.	Quarter 1	Quarter 2	Quarter 3	Quarter 4	2022-23
[Redacted]	1	74.02%	74.59%	69.84%	68.43%	71.80%
[Redacted]	2	71.75%	72.59%	69.47%	72.56%	71.64%
[Redacted]	3	71.24%	73.75%	70.56%	69.71%	71.38%
[Redacted]	4	69.55%	70.47%	70.77%	70.38%	70.27%
[Redacted]	5	70.85%	70.82%	69.99%	68.00%	69.98%
[Redacted]	6	70.81%	69.15%	67.12%	68.88%	69.04%
[Redacted]	7	70.45%	57.00%	78.71%	67.28%	68.13%
[Redacted]	8	70.27%	69.56%	66.69%	64.27%	67.82%
Blaenau Gwent	9	67.76%	68.29%	64.66%	66.32%	66.78%
[Redacted]	10	66.40%	66.04%	69.31%	61.88%	65.91%
[Redacted]	11	68.78%	67.27%	61.79%	62.85%	65.46%
[Redacted]	12	64.50%	65.30%	63.49%	68.39%	65.43%
[Redacted]	13	66.98%	66.40%	62.88%	64.15%	65.17%
[Redacted]	14	67.48%	65.93%	62.34%	63.76%	64.97%
[Redacted]	15	65.92%	65.94%	62.91%	64.41%	64.82%
[Redacted]	16	65.27%	66.93%	63.13%	63.83%	64.82%
[Redacted]	17	66.74%	65.16%	63.20%	63.28%	64.67%
[Redacted]	18	65.78%	64.76%	61.64%	61.00%	63.46%
[Redacted]	19	64.73%	63.28%	59.69%	58.02%	61.57%
[Redacted]	20	64.75%	63.54%	56.72%	60.04%	61.51%
[Redacted]	21	60.85%	63.83%	59.93%	57.90%	60.69%
[Redacted]	22	65.68%	60.00%	56.43%	51.86%	58.71%



Local Authority Comparison – Dry Recycling Only

Local Authority	Pos.	2022-23
[Redacted]	1	51.01%
[Redacted]	2	50.50%
Blaenau Gwent	3	49.34%
[Redacted]	4	49.07%
[Redacted]	5	49.06%
[Redacted]	6	48.79%
[Redacted]	7	48.69%
[Redacted]	8	47.55%
[Redacted]	9	46.69%
[Redacted]	10	46.28%
[Redacted]	11	45.80%
[Redacted]	12	45.60%
[Redacted]	13	44.89%
[Redacted]	14	43.87%
[Redacted]	15	43.36%
[Redacted]	16	42.86%
[Redacted]	17	41.71%
[Redacted]	18	41.69%
[Redacted]	19	40.67%
[Redacted]	20	40.63%
[Redacted]	21	39.35%
[Redacted]	22	37.48%

Blaenau Gwent is ranked 3rd out of the 22 local authorities when comparing dry recycling only across Wales in 2022-23

Local Authority Comparison – Composting Only

Local Authority	Pos.	2022-23
[Redacted]	1	27.62%
[Redacted]	2	25.92%
[Redacted]	3	24.69%
[Redacted]	4	24.67%
[Redacted]	5	24.42%
[Redacted]	6	23.33%
[Redacted]	7	23.20%
[Redacted]	8	22.72%
[Redacted]	9	21.74%
[Redacted]	10	20.46%
[Redacted]	11	19.69%
[Redacted]	12	19.36%
[Redacted]	13	18.86%
[Redacted]	14	18.69%
[Redacted]	15	18.18%
[Redacted]	16	17.84%
[Redacted]	17	17.24%
Blaenau Gwent	18	16.84%
[Redacted]	19	16.78%
[Redacted]	20	15.84%
[Redacted]	21	14.47%
[Redacted]	22	11.28%

Blaenau Gwent is ranked 18th out of the 22 local authorities when comparing composting only across Wales in 2022-23

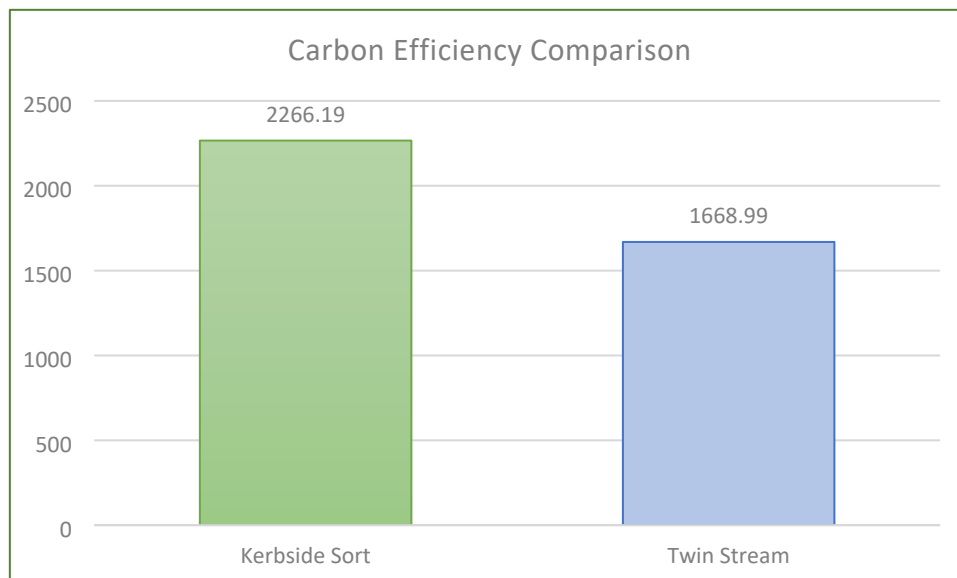
Carbon Efficiency

A WRAP issued report entitled “The Climate Change impacts of Recycling Services in Wales” documented the increased carbon benefit of a kerbside sort collection service when compared to a Twin Stream (Co-mingled) collection service.

The report produced the following assumptions.

- 10,000 tonnes of material collected via Kerbside Sort = 2569 tonnes CO2e Carbon benefit
- 10,000 tonnes of material collected via Twin Stream = 1892 tonnes CO2e Carbon benefit

	Quarter 1	Quarter 2	Quarter 3	Quarter 4	2022-23
Collected Recycling	2115.259	2143.722	2049.499	2512.810	8821.290
CO2e Carbon Benefit – Kerbside Sort	543.41	550.72	526.52	645.54	2266.19
CO2e Carbon Benefit – Twin Stream	400.21	405.59	387.77	475.42	1668.99
Difference	143.20	145.13	138.75	170.12	597.20



Switching to a kerbside Sort collection service has resulted in a CO2e benefit of 597.20 tonnes when compared to a Twin Stream collection service.

COLLECTED MATERIAL DATA ANALYSIS

In October 2015, Blaenau Gwent County Borough Council made a service change which included moving to a weekly kerbside sort recycling collection and a three-weekly residual collection.

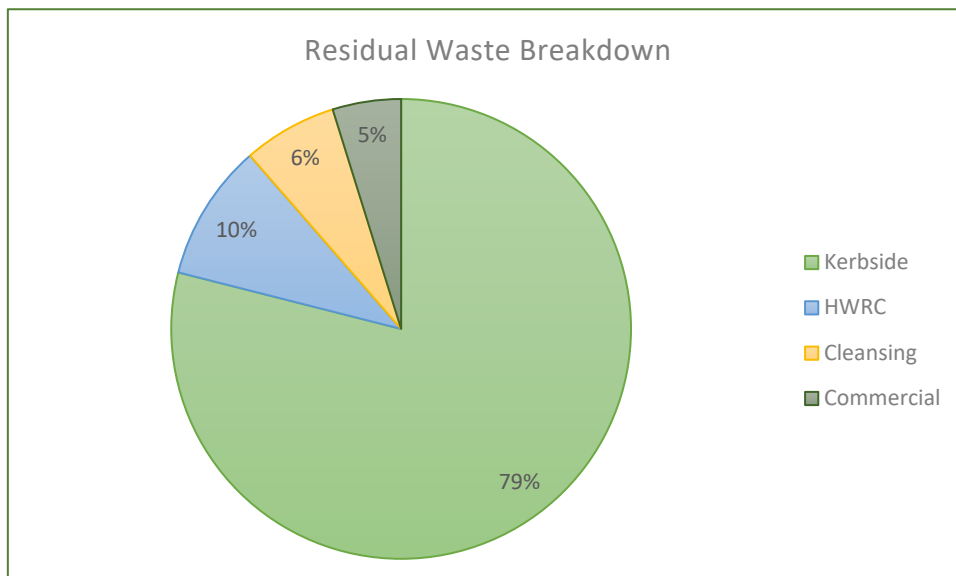
A dedicated weekly Absorbent Hygiene Products (AHP) was also introduced in January 2017, which required residents to subscribe to the service.

Residual side waste enforcement and a strict black bag sorting policy at the HWRC were introduced during June 2018 to encourage residents to recycle more of their waste.

In September 2019 the “Keeping up with the Jones’s” campaign was rolled out across the borough to encourage residents to recycle more of their waste.

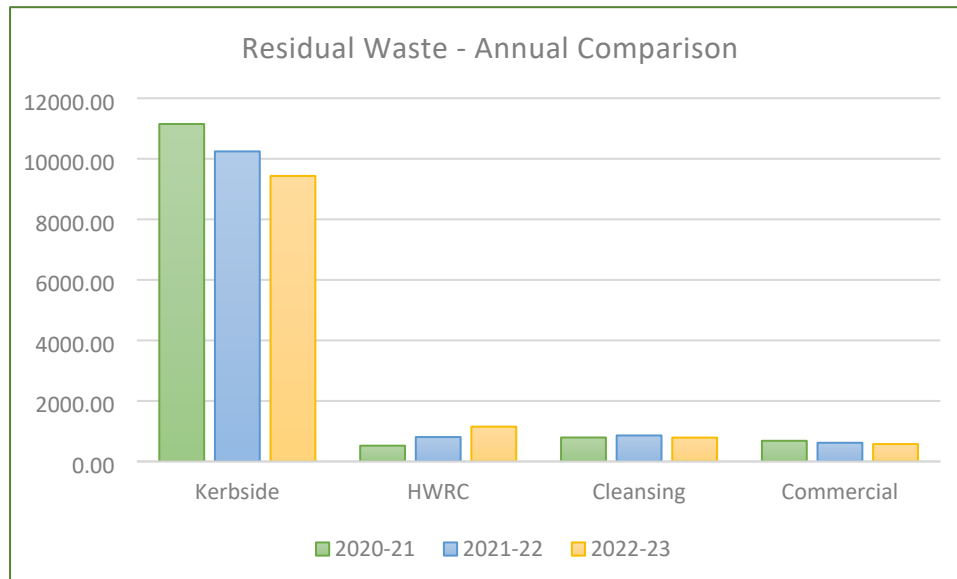
Residual Waste

	Quarter 1	Quarter 2	Quarter 3	Quarter 4	2022-23
<i>Kerbside</i>	2387.933	2240.291	2365.074	2440.913	9434.211
<i>HWRC</i>	252.101	274.583	306.362	317.632	1150.948
<i>Cleansing</i>	196.519	198.373	175.336	219.088	789.316
<i>Commercial</i>	145.464	136.198	144.456	148.494	574.612
<i>Total</i>	2982.017	2849.715	2991.228	3126.127	11949.087



Residual Waste Annual Comparison

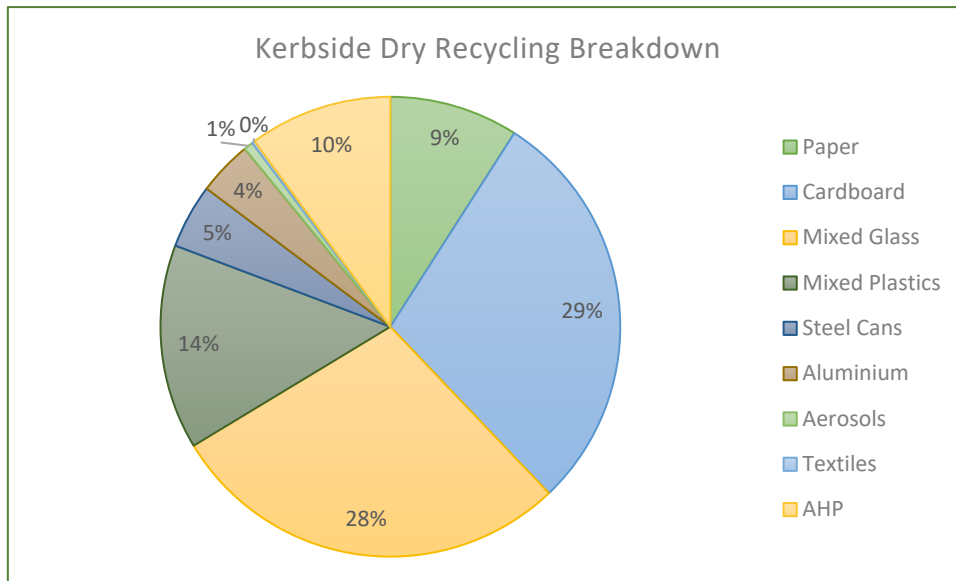
	2020-21	2021-22	2022-23	Difference	Diff. %
Kerbside	11149.552	10244.398	9434.211	-1715.34	-15.38%
HWRC	521.797	806.839	1150.948	629.15	120.57%
Cleansing	792.053	859.700	789.316	-2.74	-0.35%
Commercial	683.178	617.782	574.612	-108.57	-15.89%
Total	13146.580	12528.719	11949.087	-1197.49	-9.11%



Overall residual waste has decreased by 1197.49 tonnes (9.11%) since 2020-21

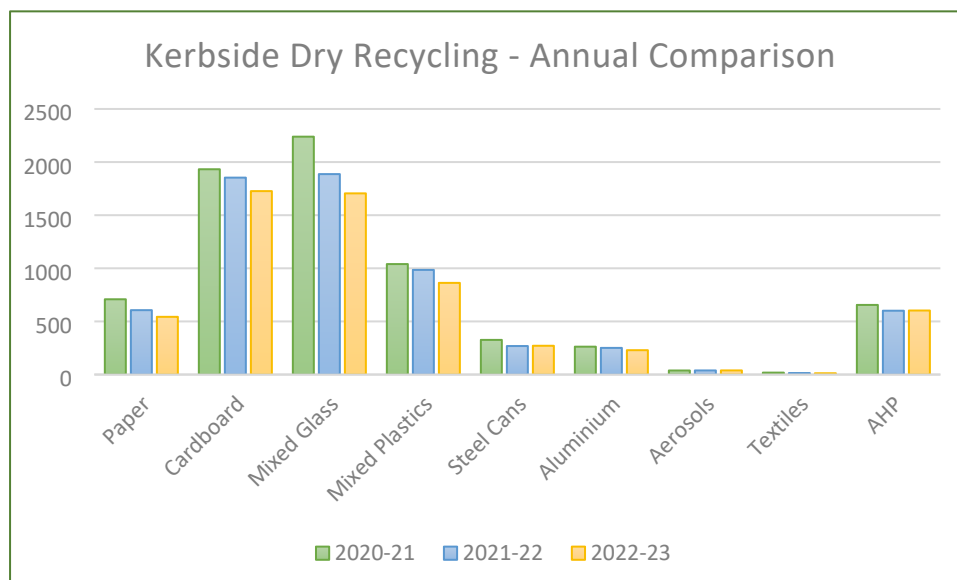
Kerbside Dry Recycling

	Quarter 1	Quarter 2	Quarter 3	Quarter 4	2022-23
Paper	143.540	127.340	125.420	146.851	543.151
Cardboard	377.507	371.657	362.306	615.052	1726.522
Mixed Glass	389.738	448.752	392.406	474.434	1705.330
Mixed Plastics	236.044	206.243	198.177	222.233	862.697
Steel Cans	52.540	78.200	55.880	84.160	270.780
Aluminium	62.100	58.920	42.460	65.780	229.260
Aerosols	9.300	7.680	9.820	12.020	38.820
Textiles	3.800	3.440	3.180	1.660	12.080
AHP	148.720	141.720	157.040	155.220	602.700
Total	1423.289	1443.952	1346.689	1777.410	5991.340



Kerbside Dry Recycling Annual Comparison

	2020-21	2021-22	2022-23	Difference	Diff. %
Paper	708.446	606.000	543.151	-165.295	-23.33%
Cardboard	1932.340	1853.538	1726.522	-205.818	-10.65%
Mixed Glass	2239.080	1886.690	1705.330	-533.75	-23.84%
Mixed Plastics	1039.820	984.982	862.697	-177.123	-17.03%
Steel Cans	326.080	268.280	270.780	-55.3	-16.96%
Aluminium	262.268	250.800	229.260	-33.008	-12.59%
Aerosols	38.040	38.500	38.820	0.78	2.05%
Textiles	18.100	14.130	12.080	-6.02	-33.26%
AHP	655.240	600.750	602.700	-52.54	-8.02%
Total	7219.414	6513.530	5991.340	-1228.074	-17.01%

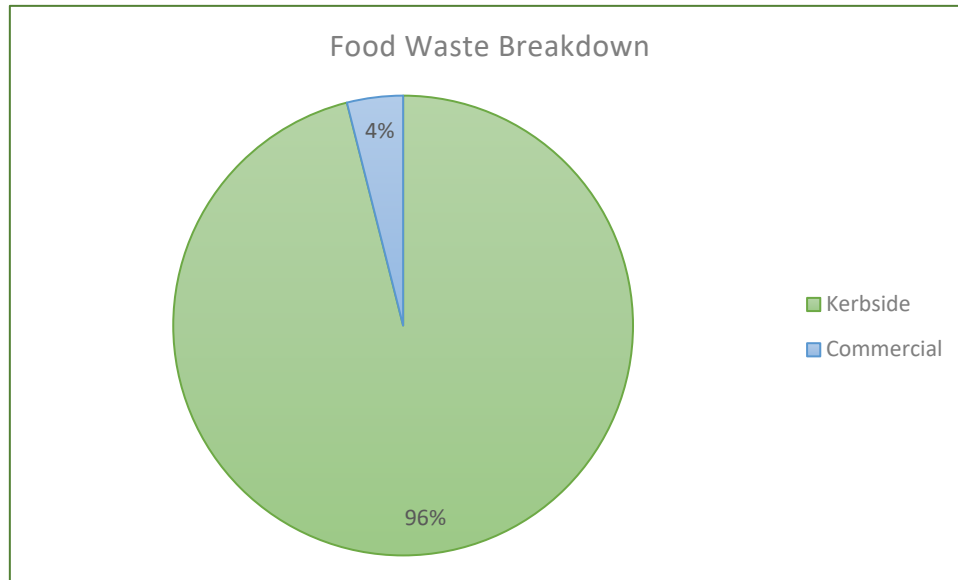


Overall dry recycling has decreased by 1228.074 tonnes (17.01%) since 2020-21

Kerbside Composting

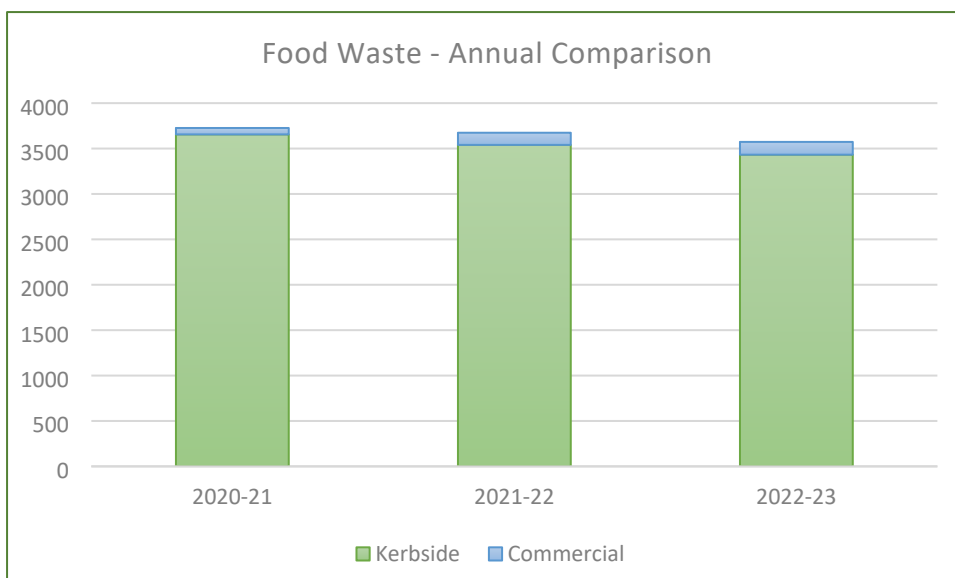
Food Waste

	Quarter 1	Quarter 2	Quarter 3	Quarter 4	2022-23
Kerbside	840.69	841.490	859.850	890.620	3432.650
Commercial	33.720	24.500	47.140	35.200	140.56
Total	874.410	865.990	906.990	925.820	3573.210



Food Waste – Annual Comparison

	2020-21	2021-22	2022-23	Difference	Diff. %
Kerbside	3655.86	3540.260	3432.650	-223.21	-6.11%
Commercial	70.66	133.86	140.56	69.9	98.92%
Total	3726.52	3674.120	3573.210	-153.31	-4.11%

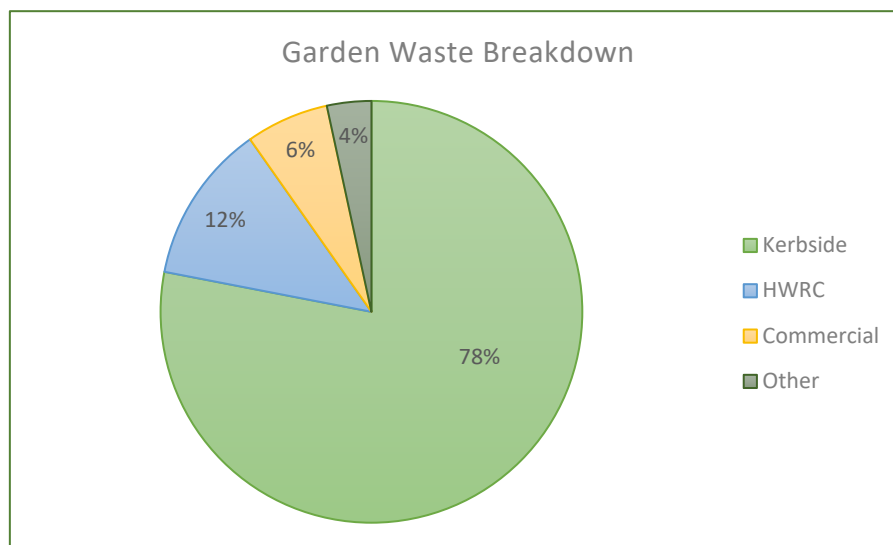


Overall food recycling has decreased by 153.31 tonnes (4.11%) since 2020-21

Kerbside Composting

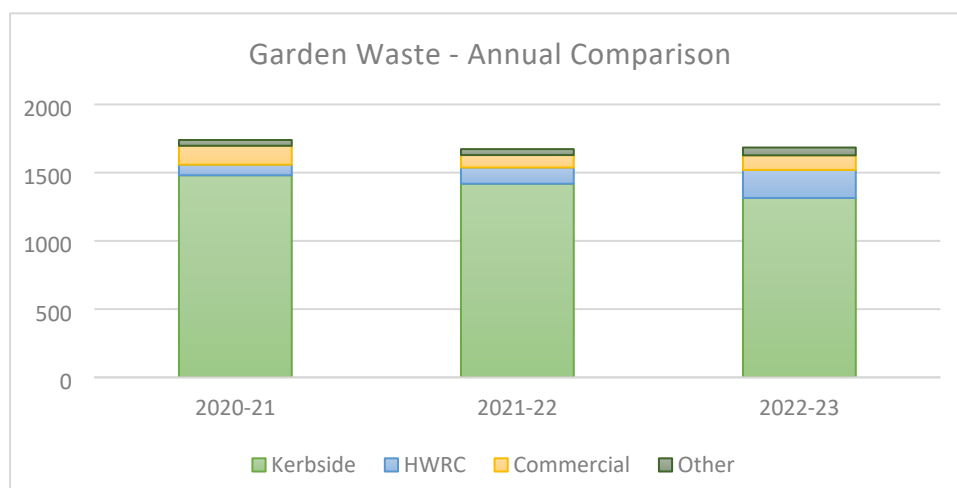
Garden Waste

	Quarter 1	Quarter 2	Quarter 3	Quarter 4	2022-23
Kerbside	581.645	501.703	154.222	76.734	1314.304
HWRC	61.518	60.910	29.832	53.230	205.490
Commercial	32.382	24.829	34.003	15.884	107.098
Other	10.993	10.017	21.523	14.693	57.226
Total	686.538	597.459	239.580	160.541	1684.118



Garden Waste – Annual Comparison

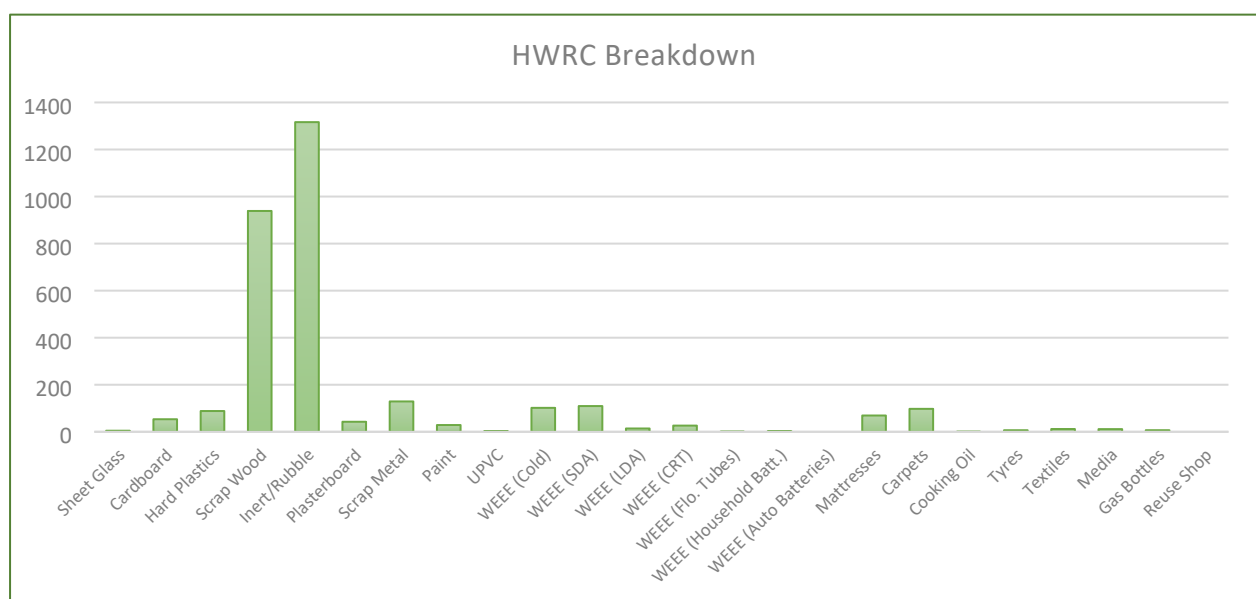
	2020-21	2021-22	2022-23	Difference	Diff. %
Kerbside	1481.057	1418.775	1314.304	-166.753	-11.26%
HWRC	77.279	118.744	205.490	128.211	165.91%
Commercial	138.549	91.494	107.098	-31.451	-22.70%
Other	42.276	43.377	57.226	14.95	35.36%
Total	1739.161	1672.390	1684.118	-55.043	-3.16%



Overall garden waste recycling has decreased by 55.043 tonnes (3.16%) since 2020-21

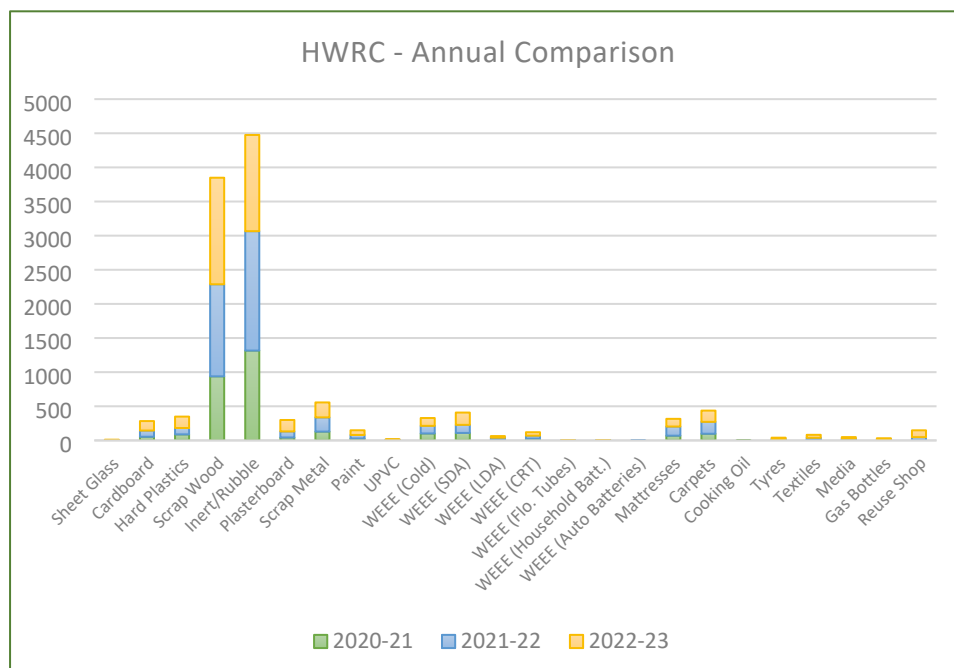
Household Waste Recycling Centre (HWRC) Recycling / Reuse

	Quarter 1	Quarter 2	Quarter 3	Quarter 4	2022-23
<i>Sheet Glass</i>	0.000	0.000	0.000	6.140	6.140
<i>Cardboard</i>	22.820	27.660	46.440	41.740	138.660
<i>Hard Plastics</i>	44.940	42.780	39.240	40.040	167.000
<i>Scrap Wood</i>	399.960	440.040	334.660	386.320	1560.980
<i>Inert/Rubble</i>	396.460	313.060	427.020	272.880	1409.420
<i>Plasterboard</i>	53.020	39.740	55.400	19.520	167.680
<i>Scrap Metal</i>	63.350	62.740	49.980	42.780	218.850
<i>Paint</i>	22.750	19.950	13.300	12.950	68.950
<i>UPVC</i>	1.000	1.000	2.000	2.000	6.000
<i>WEEE (Cold)</i>	30.020	35.130	24.080	25.670	114.900
<i>WEEE (SDA)</i>	46.000	52.480	41.040	40.680	180.200
<i>WEEE (LDA)</i>	5.040	6.240	6.320	5.740	23.340
<i>WEEE (CRT)</i>	11.100	10.560	11.280	17.660	50.600
<i>WEEE (Flo. Tubes)</i>	0.000	0.540	0.030	0.180	0.750
<i>WEEE (Household Batt.)</i>	0.026	0.132	0.000	0.000	0.158
<i>WEEE (Auto Batteries)</i>	0.000	0.000	0.000	0.000	0.000
<i>Mattresses</i>	28.920	25.080	26.280	32.420	112.700
<i>Carpets</i>	50.460	50.810	25.160	38.470	164.900
<i>Cooking Oil</i>	0.000	0.000	0.000	0.000	0.000
<i>Tyres</i>	5.540	6.220	2.780	4.340	18.880
<i>Textiles</i>	12.530	10.780	7.250	12.700	43.260
<i>Media</i>	4.898	5.225	5.435	6.790	22.348
<i>Gas Bottles</i>	4.291	2.961	3.571	1.617	12.440
<i>Reuse Shop</i>	27.036	24.768	23.389	24.545	99.738
Total	1230.161	1177.896	1144.655	1035.182	4587.894



Household Waste Recycling Centre (HWRC) Annual Comparison

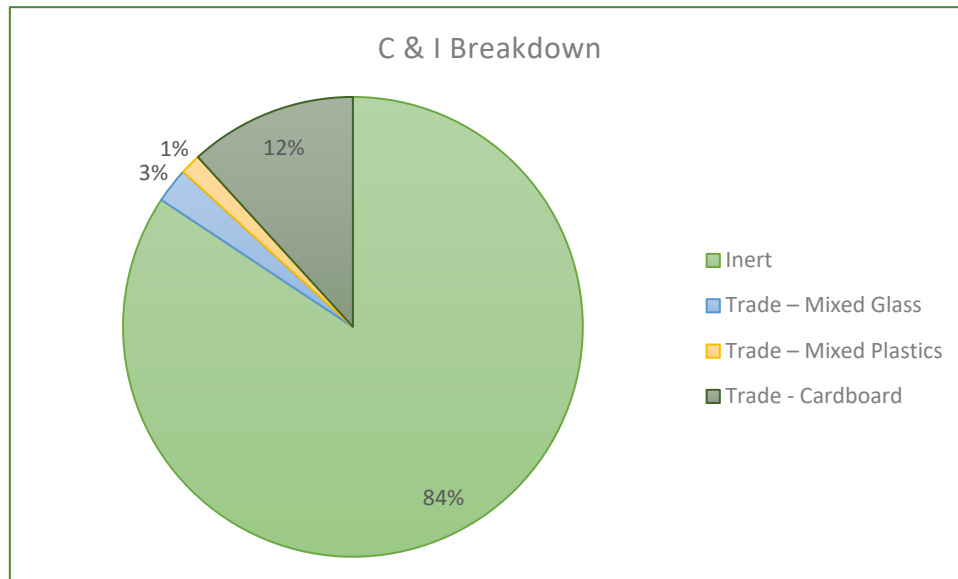
	2020-21	2021-22	2022-23	Difference	Diff. %
<i>Sheet Glass</i>	4.540	0.000	6.140	1.6	35.24%
<i>Cardboard</i>	53.320	91.200	138.660	85.34	160.05%
<i>Hard Plastics</i>	88.240	93.380	167.000	78.76	89.26%
<i>Scrap Wood</i>	938.700	1348.900	1560.980	622.28	66.29%
<i>Inert/Rubble</i>	1316.330	1749.240	1409.420	93.09	7.07%
<i>Plasterboard</i>	42.600	88.880	167.680	125.08	293.62%
<i>Scrap Metal</i>	128.990	208.440	218.850	89.86	69.66%
<i>Paint</i>	28.700	50.674	68.950	40.25	140.24%
<i>UPVC</i>	3.000	6.740	6.000	3	100.00%
<i>WEEE (Cold)</i>	101.733	111.360	114.900	13.167	12.94%
<i>WEEE (SDA)</i>	109.340	118.400	180.200	70.86	64.81%
<i>WEEE (LDA)</i>	14.020	26.080	23.340	9.32	66.48%
<i>WEEE (CRT)</i>	26.289	43.120	50.600	24.311	92.48%
<i>WEEE (Flo. Tubes)</i>	0.589	0.220	0.750	0.161	27.33%
<i>WEEE (Household Batt.)</i>	2.675	0.828	0.158	-2.517	-94.09%
<i>WEEE (Auto Batteries)</i>	0.000	1.950	0.000	0	
<i>Mattresses</i>	69.200	134.020	112.700	43.5	62.86%
<i>Carpets</i>	97.500	174.270	164.900	67.4	69.13%
<i>Cooking Oil</i>	0.200	0.000	0.000	-0.2	-100.00%
<i>Tyres</i>	6.600	14.420	18.880	12.28	186.06%
<i>Textiles</i>	11.780	26.640	43.260	31.48	267.23%
<i>Media</i>	11.341	14.930	22.348	11.007	97.05%
<i>Gas Bottles</i>	6.729	12.441	12.440	5.711	84.87%
<i>Reuse Shop</i>	0.000	47.939	99.738	99.738	
Total	3062.416	4364.072	4587.894	1525.478	49.81%



Overall HWRC Recycling has increased by 1525.478 tonnes (49.81%) since 2020-21

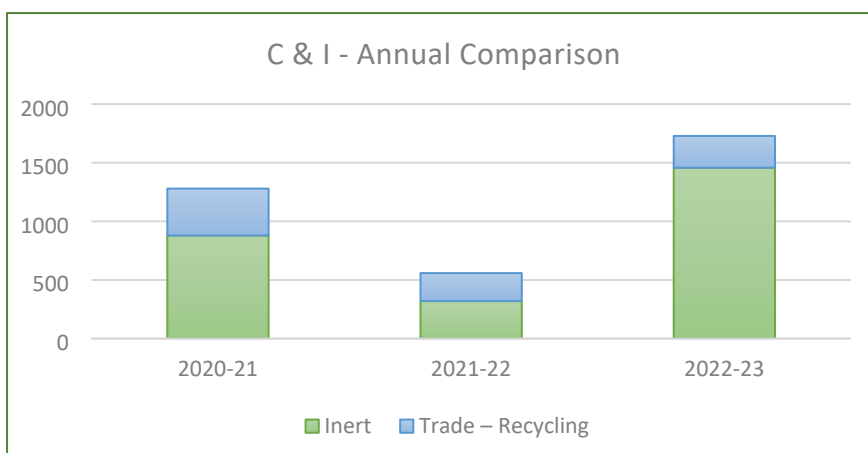
Commercial & Industrial Recycling

	Quarter 1	Quarter 2	Quarter 3	Quarter 4	2022-23
Inert	180.000	466.740	299.780	511.020	1457.540
Trade – Mixed Glass	12.322	10.888	9.874	9.506	42.590
Trade – Mixed Plastics	7.216	6.377	5.783	5.567	24.943
Trade - Cardboard	58.883	52.035	47.184	45.428	203.530
Total	258.421	536.040	362.621	571.521	1728.603



Commercial & Industrial Recycling Annual Comparison

	2020-21	2021-22	2022-23	Difference	Diff. %
Inert	880.000	320.34	1457.540	577.54	65.63%
Trade – Recycling	399.58	238.67	271.063	-128.517	-32.16%
Total	1279.58	559.010	1728.603	449.023	35.09%

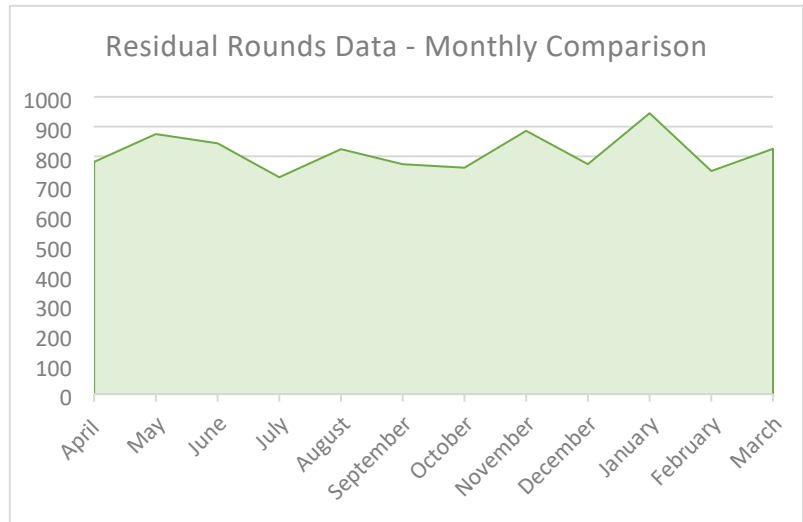


Overall Commercial and Industrial Recycling has increased by 449.023 tonnes (35.09%) since 2020-21

Residual / Recycling Round Data

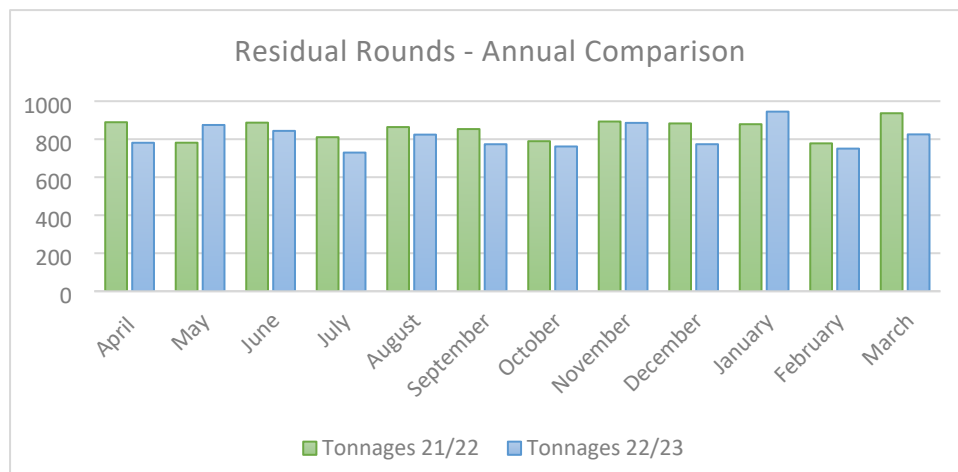
Residual Round Data

Month	Tonnages Collected
April	781.28
May	874.8
June	843.72
July	729.52
August	824.04
September	773.44
October	761.68
November	885.82
December	773.58
January	945.04
February	750.44
March	825.26
Total	9768.62



Residual Round Annual Comparison

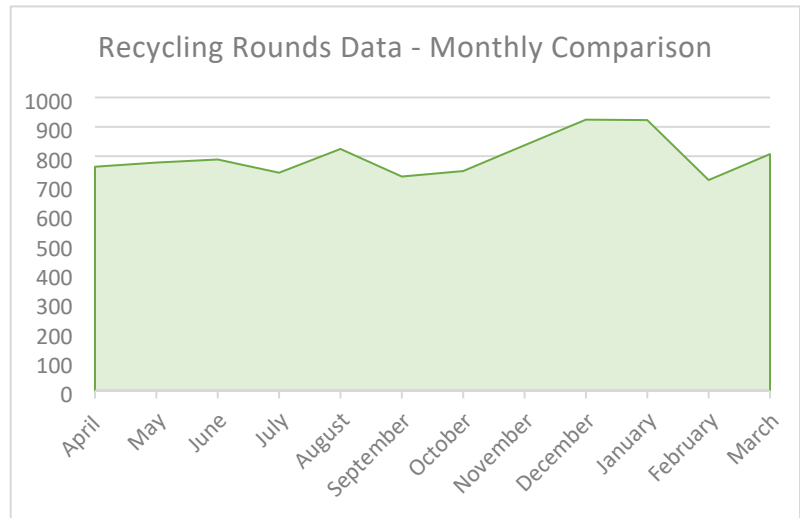
Month	Tonnages 21/22	Tonnages 22/23	Difference	Diff. %
April	889.26	781.28	-107.98	-12.14%
May	781.61	874.8	93.19	11.92%
June	887.042	843.72	-43.322	-4.88%
July	810.52	729.52	-81	-9.99%
August	863.78	824.04	-39.74	-4.60%
September	853.28	773.44	-79.84	-9.36%
October	789.42	761.68	-27.74	-3.51%
November	892.96	885.82	-7.14	-0.80%
December	882.9	773.58	-109.32	-12.38%
January	878.86	945.04	66.18	7.53%
February	778.04	750.44	-27.6	-3.55%
March	936.54	825.26	-111.28	-11.88%
Total	10244.212	9768.62	-475.592	-4.64%



Overall Residual Waste collected has decreased by 475.592 tonnes (4.64%) when compared to the previous year (2021-22)

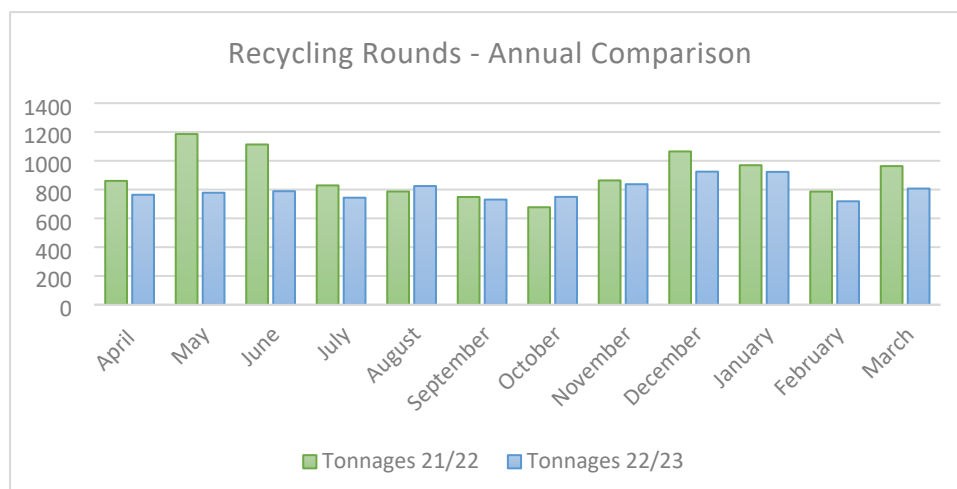
Recycling Round Data

Month	Tonnages Collected
April	763.96
May	778.15
June	788.6
July	743.56
August	824.51
September	730.54
October	749.2
November	837.15
December	924.47
January	922.9
February	718.52
March	807.02
Total	9588.58



Recycling Round Annual Comparison

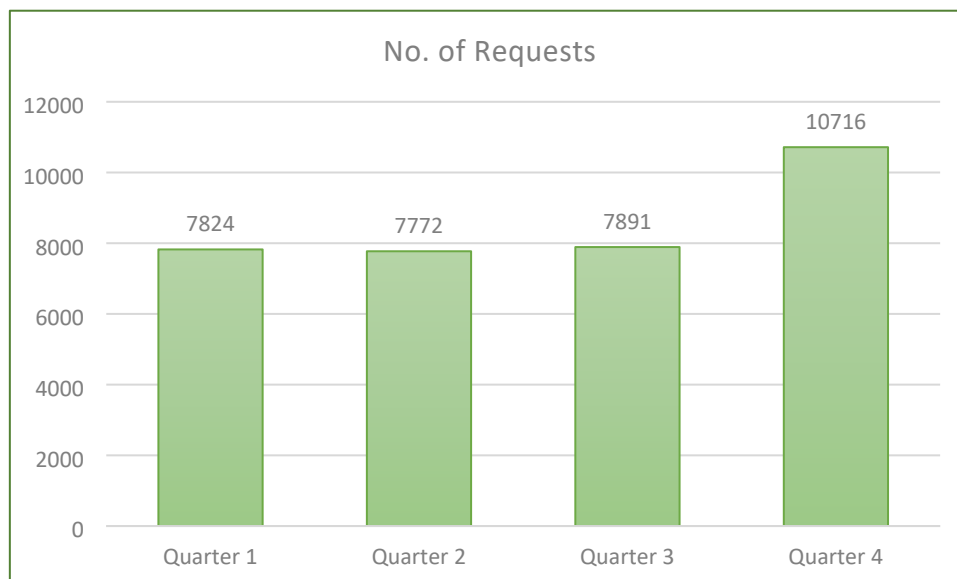
Month	Tonnages 21/22	Tonnages 22/23	Difference	Diff. %
April	860.35	763.96	-96.39	-11.20%
May	1185.56	778.15	-407.41	-34.36%
June	1113.12	788.6	-324.52	-29.15%
July	828.88	743.56	-85.32	-10.29%
August	786.606	824.51	37.904	4.82%
September	748.48	730.54	-17.94	-2.40%
October	677.24	749.2	71.96	10.63%
November	863.42	837.15	-26.27	-3.04%
December	1064.72	924.47	-140.25	-13.17%
January	969.12	922.9	-46.22	-4.77%
February	786.16	718.52	-67.64	-8.60%
March	962.98	807.02	-155.96	-16.20%
Total	10846.636	9588.580	-1258.056	-11.60%



Overall Recycling Waste collected has decreased by 1258.056 tonnes (11.60%) when compared to the previous year (2021-22)

Demand Monitoring Data

	Quarter 1	Quarter 2	Quarter 3	Quarter 4	2022-23
No. of Requests	7824	7772	7891	10716	34203



Demand Data Breakdown

	Q1	Q2	Q3	Q4	2022-23
<i>Apply for a Van Permit</i>	0	0	552	586	1138
<i>Assisted Collection</i>	45	51	68	92	256
<i>Cancel an assisted collection</i>	0	0	0	2	2
<i>Bulky Waste</i>	1575	1593	1313	1496	5977
<i>Book a Christmas Tree Collection</i>	0	0	183	395	578
<i>Commercial Waste</i>	56	61	41	50	208
<i>General Enquiry</i>	489	676	517	943	2625
<i>Garden Waste</i>	393	236	15	0	644
<i>Winter Garden Waste Collection</i>	0	0	522	531	1053
<i>Request Green Waste Sacks</i>	665	520	192	470	1847
<i>Hygiene/Nappy Collection</i>	326	341	335	352	1354
<i>Request hygiene/nappy Bags</i>	1136	1175	1175	1350	4836
<i>Cancel a hygiene/nappy collection</i>	32	37	26	43	138
<i>Missed Collection</i>	771	811	701	919	3202
<i>Waste & Recycling Presented Early</i>	39	56	27	49	171
<i>Request Recycling Receptacles</i>	1834	1697	1796	2778	8105
<i>Request a Wheelie Bin</i>	347	370	305	330	1352
<i>Warden Enquiry</i>	116	148	123	330	717
Total	7824	7772	7891	10716	34203