

From: Official Information
Sent: Thursday, 18 May 2023 2:24 pm
To: S 7(2)(a) @pwc.com
Cc: Official Information
Subject: Final Response - LGOIMA 322033 - S 7(2)(a) / PWC - information relating to Hamilton waste production, processing and disposal
Attachments: 2018_2024 Waste Management & Minimisation Plan_FINAL.PDF

Kia ora,

We refer to your information request **322033/2023**, submitted on 20/04/2023, about information relating to Hamilton waste production, processing and disposal.

Please see the responses below and attached.

Response:

1. **The total volume of waste in tonnes from all sources produced in Hamilton over the past 10 years (a lesser number of years is acceptable) presented at a City Council (Waste Management and Minimisation Plan (WMMP) level.**

Please find attached the latest approved Waste Management and Minimisation Plan (2018-2024 Plan). The 2024-2030 Waste Management and Minimisation Plan is currently under development.

Below is a breakdown of all kerbside and transfer station tonnage data that is available for the last 10 completed calendar years.

Year	2013	2014	2015	2016	2017	2018	2019	2020
Kerbside								
Kerbside Refuse (Tonnes)	21,168.13	21,764.34	22,348.89	23,178.63	23,169.49	23,380.91	23,370.71	21,404.89
Kerbside Mixed Recycling (Tonnes)	9,535.98	9,377.79	9,097.93	8,807.35	8,209.66	9,196.98	11,960.76	10,531.71
Kerbside Food Waste (Tonnes)	0	0	0	0	0	0	0	1,953.15
Lincoln Street Resource Recovery Centre								
Refuse (Tonnes)	Not provided to HCC	Not provided to HCC	Not provided to HCC	Not provided to HCC	Not provided to HCC	Not provided to HCC	Not provided to HCC	20,100.52
Recycling or Reuse (Tonnes)	5,161.86	5,095.31	5,708.82	6,045.77	6,188.32	5,850.91	5,706.04	3,781.78
Hamilton Organic Centre								
Greenwaste (Tonnes)	Information not available	Information not available	Information not available	Information not available	10,194.22	10,706.84	9,775.00	9,673.00

- Please note that Hamilton City Council changed service provider and service levels for kerbside collection on 31 August 2020. This saw the household kerbside service change to 1 x 120L Refuse Wheelie Bin fortnightly, 1 x 240L Recycling Wheelie Bin fortnightly, 1 x 40L Glass Crate collected fortnightly and 1 x 23L Food Waste Bin collected weekly.
 - Food waste collection started on 31 August 2020. Food waste is composted.
 - Since 31 August 2020 Hamilton City Council's kerbside refuse tonnage goes through Enviro Waste's Sunshine Ave Transfer Station and is separate from the public and commercial refuse tonnes shown at the Lincoln Street Resource Recovery Centre from this date.
 - Greenwaste from Hamilton Organic Centre is composted.
 - Lincoln Street Resource Recovery Centre refuse tonnes were not provided to Hamilton City Council prior to 31 August 2020.
 - There are two private transfer stations in Hamilton - Enviro Waste's Sunshine Ave Transfer Station and Waste Management's Wickham Street Resource Recovery Centre. Hamilton City Council does not have tonnage information for these sites and if you wish to obtain them you would need to approach those parties.
2. **The split of total waste as a percentage and in tonnes produced by Municipal Waste (MSW), Commercial and Industrial (C&I) and Construction and Demolition (C&D) as a time series for the past 10 years (a lesser number of years is acceptable) at a Hamilton City Council level.**

This is not a figure that Hamilton City Council holds. Municipal kerbside refuse tonnage is shown in 1. above.

A breakdown of the 2017 Lincoln Street waste from the Solid Waste Analysis Protocol (SWAP) audit had the below split of waste by source at Lincoln Street:

Lincoln St RTS Activity sources of waste Average of June and November 2017 surveys	% of loads surveyed	% of weight to landfill	Tonnes/ week
Construction & demolition	30%	19%	303 T/week
Industrial/commercial/institutional	22%	32%	503 T/week
Landscaping	14%	6%	91 T/week
Residential	22%	5%	78 T/week
Subtotal - general waste	88%	62%	975 T/week
Kerbside waste collections	10%	35%	551 T/week
Special waste	2%	2%	36 T/week
TOTAL	100%	100%	1,563 T/week

A breakdown of the 2022 Lincoln Street waste from the SWAP audit had the below split of waste by source at Lincoln Street:

Activity sources of waste loads at Lincoln St RRC - Both 2022 surveys combined	% of loads surveyed	% of total weight	Tonnes/ week
Construction & demolition	26%	37%	233 T/week
Industrial/commercial/institutional	22%	28%	172 T/week
Landscaping & earthworks	8%	10%	61 T/week
Residential	42%	19%	117 T/week
Subtotal - general waste	97%	93%	582 T/week
Kerbside rubbish	0%	0%	0 T/week
Special waste (road sweepings)	3%	7%	40 T/week
TOTAL	100%	100%	622 T/week

3. The most recent (ideally 2022) composition of residential recycling (e.g. metals, glass, plastics, etc...) at a Hamilton City Council level.

The breakdown of recycling and reuse items recovered at the Lincoln Street Resource Recovery Centre in 2022 calendar year is shown in the below table:

	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Total
Paper	-	-	-	-	-	-	-	-	-	-	-	-	-
Cardboard	54	46	48	40	42	32	36	44	42	38	44	58	526
Plastic	-	-	-	-	-	1	1	2	-	-	-	-	4
Glass - RTS drop off only	30	22	24	26	25	31	35	61	38	50	43	63	449
Plastics - comingled	5	3	-	11	1	2	1	10	2	-	-	2	35
Batteries (car batteries)	4	2	2	1	1	1	2	3	2	1.7	4	0.5	24
Batteries (Lithium & dry cell)	0.1	-	-	-	0.2	-	-	-	1	-	-	0.5	1
Concrete	14	26	12	31	45	21	32	31	22	47.8	56	34	373
Tyres	-	-	0	-	1	-	1	-	0	-	1	1	4
Metal	-	-	-	-	-	-	-	-	-	-	-	-	-
Aluminium	0	1	0	1	1	2	2	1	7	0.9	1	4	20
Steel (including whiteware)	68	42	64	53	57	66	76	92	69	100.0	61	73	821
Cleanfill	-	-	-	-	-	-	-	-	-	-	7	-	7
Wood	7	9	41	181	223	213	266	223	328	159.9	350	169	2,167
GIB	-	-	-	-	-	-	-	10	28	27.8	25	53	144
Hazardous Chemicals	10	5	7	4	2	2	5	2	0	3.8	9	6	57
Hazardous Oil Containers	2	2	2	2	2	1	3	2	2	-	1	4	24
Hazardous Gas Bottles	0.5	0.5	0.5	0.5	0.5	0.3	0.9	0.5	0.5	0.4	0.5	0.6	6
eWaste	23	17	18	17	22	10	12	16	12	10.8	14	9	179
Greenwaste	83	94	84	80	71	55	51	59	82	70.5	87	73	890
Habitat for Humanity Reuse	38	36	39	37	49	22	29	29	27	36.1	38	18	397
Total Diverted from Landfill -													
Lincoln Street Resource Recovery	339	306	342	484	542	458	552	585	663	548	739	568	6,128

The breakdown of recycling from the municipal kerbside collection in 2022 is below:

	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Total
Mixed Recycling	645.40	597.27	697.19	546.50	538.20	521.38	547.31	634.54	599.08	597.00	590.00	697.00	7,210.87
Glass	353.13	326.08	336.73	262.40	236.06	270.97	232.89	261.90	254.63	254.00	267.00	310.00	3,365.79
Food Waste	423.05	431.02	48.87	262.91	344.32	320.28	325.26	344.90	320.37	324.00	325.00	331.00	3,800.98
Total	1,421.58	1,354.37	1,082.79	1,071.81	1,118.58	1,112.63	1,105.46	1,241.34	1,174.08	1,175.00	1,182.00	1,338.00	14,377.64

Mixed recycling is processed at the Enviro Waste Sunshine Avenue Material Recovery Facility. A further breakdown of the composition of this figure is provided below:

	Percentage
Paper	28%
Cardboard	23%
Grade 1 Clear PET	6%
Grade 2 HDPE	2%
Grade 5 polypropylene (PP)	3%
Tin	4%
Aluminium	3%
Non Recyclable Items	31%

4. The volume of MSW waste in tonnes split by the method of collection (e.g. collected kerbside, direct to landfill etc...)

Please refer to the answer of question one above.

5. The proportion of total waste that is processed (or held) at transfer stations in Hamilton.

Please refer to the answer of question one above.

6. The proportion of total waste that is processed by a Materials Recovery Facility (MRF) at a Hamilton City Council level AND the volume of waste recovered by a MRF.

Kerbside mixed recycling, shown in the response to question three above, is recovered at Enviro Waste Sunshine Ave Material Recovery Facility. Glass is sorted at kerbside and goes directly to reprocessing and does not go through an MRF.

7. The proportion of total waste that is disposed in a landfill vs is recovered/redirected/repurposed.

Please refer to the answer to question one above. Refuse at the Lincoln Street Refuse Transfer Station and from the kerbside collection is landfilled. Recycling, food waste, green waste through the kerbside Lincoln Street Refuse Transfer Station, Hamilton Organic Centre and kerbside collection is recovered, redirected or repurposed.

You have the right to seek an investigation and review by the Ombudsman of this decision. Information about how to make a complaint is available at www.ombudsman.parliament.nz or freephone 0800 802 602.

Many thanks,

Tatiana S 7(2)(a) (*Pronouns: she/her*)

Official Information & Legal Support Advisor

Governance & Assurance Unit | People and Organisational Performance

S 7(2)(a) or officialinformation@hcc.govt.nz

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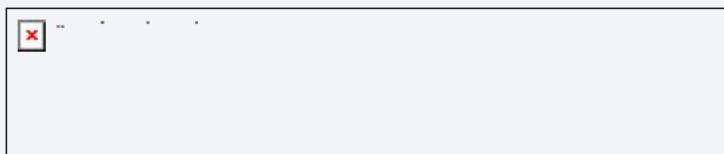
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From: noreply@hamilton.govt.nz <noreply@hamilton.govt.nz>

Sent: Thursday, 20 April 2023 1:40 pm

To: Official Information <officialinformation@hcc.govt.nz>

Subject: OIA Request - HCC-OIA-230420-RNNLQ



We've received a request for you.

This request was received on 20 April 2023 @ 1:40PM.

Here's your reference number and the request details:

UUID

HCC-OIA-230420-RNNLQ

Name

Email

S 7(2)(a) [REDACTED]@pwc.com

Phone number

S 7(2)(a) [REDACTED]

Detailed description of request

I am requesting information to seeking gain insights into Hamilton's waste production, processing and disposal.

Specifically, where possible could you please provide:

- The total volume of waste in tonnes from all sources produced in Hamilton over the past 10 years (a lesser number of years is acceptable) presented at a City Council (Waste Management and Minimisation Plan (WMMP)) level.
- The split of total waste as a percentage and in tonnes produced by Municipal Waste (MSW), Commercial and Industrial (C&I) and Construction and Demolition (C&D) as a time series for the past 10 years (a lesser number of years is acceptable) at a Hamilton City Council level.
- The most recent (ideally 2022) composition of total waste split by type of waste (e.g. organics/green waste, recycling, etc...) at a Hamilton City Council level.
- The most recent (ideally 2022) composition of residential recycling (e.g. metals, glass, plastics, etc...) at a Hamilton City Council level.
- The volume of MSW waste in tonnes split by the method of collection (e.g. collected kerbside, direct to landfill etc...)
- The proportion of total waste that is processed (or held) at transfer stations in Hamilton.
- The proportion of total waste that is processed by a Materials Recovery Facility (MRF) at an Hamilton City Council level AND the volume of waste recovered by a MRF
- The proportion of total waste that is disposed in a landfill vs is recovered/redirected/repurposed

Organisation**Attachments****Created**

20 April 2023 @ 1:40PM

If you have any questions in the meantime, feel free to call us on [\(07\) 838 6699](tel:078386699) or [email our customer service team](#).

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