

Commercial & Industrial (C&I) Food Waste Recycling Survey

WASTE CONTRACTORS & RECYCLERS ASSOCIATION OF NSW



WASTE CONTRACTORS & RECYCLERS ASSOCIATION OF N.S.W



Commercial & Industrial (C&I) Food Waste Recycling Survey

2024



Executive Summary

WCRA received a 94.15% response rate (161 of 171) for the survey. WCRA Members own ~90% of the commercially controlled & operated waste & recycling equipment used across NSW. Many Members were reluctant to share their data due to its commercial sensitivity. Through both professional and personal relationships, WCRA was able to use its influence to secure significant member input.

Telephone interviews proved the most effective method of data collection. Being able to personally assure the Members that all data will be anonymised and aggregated was key to our success.

The survey sample week was from Monday 13 May to Sunday 19 May 2024.

The total number of premises provided with a C&I food waste recycling collection service during the sample week was 2,724.

The total number of individual postcodes of the premises provided with a C&I food waste recycling collection service during the sample week was 236.

The total number of trucks used for more than 10 hours to collect C&I food waste recycling during the sample week was 26.

The total number of premises provided with a mixed putrescible C&I waste collection service which was landfilled during the sample week was 63,674.

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Background

The purpose of this project is to monitor the growth of the Commercial and Industrial (C&I) food organics (FO) recycling collection service.

A partnership has been formed between Waste Contractors and Recyclers Association of NSW and the NSW EPA.

The 2024 survey results gives us our first chance to compare with the baseline set in 2022. Under the current agreement this is the final survey in 2024 to track movement of C&I FO recycling collection services.



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Methodology

- The survey was conducted by sending the questions via email then if no response after 21 days follow up phone call/s. (See appendix 1).
 - All data collected was anonymised and aggregated.
 - 171 surveys were sent to WCRA Members with the nominate representative being the first point of contact by email and phone. If the nominated representative didn't have the information to complete the survey, they referred us to the best person within the Members organisation to supply the information required to complete the survey.
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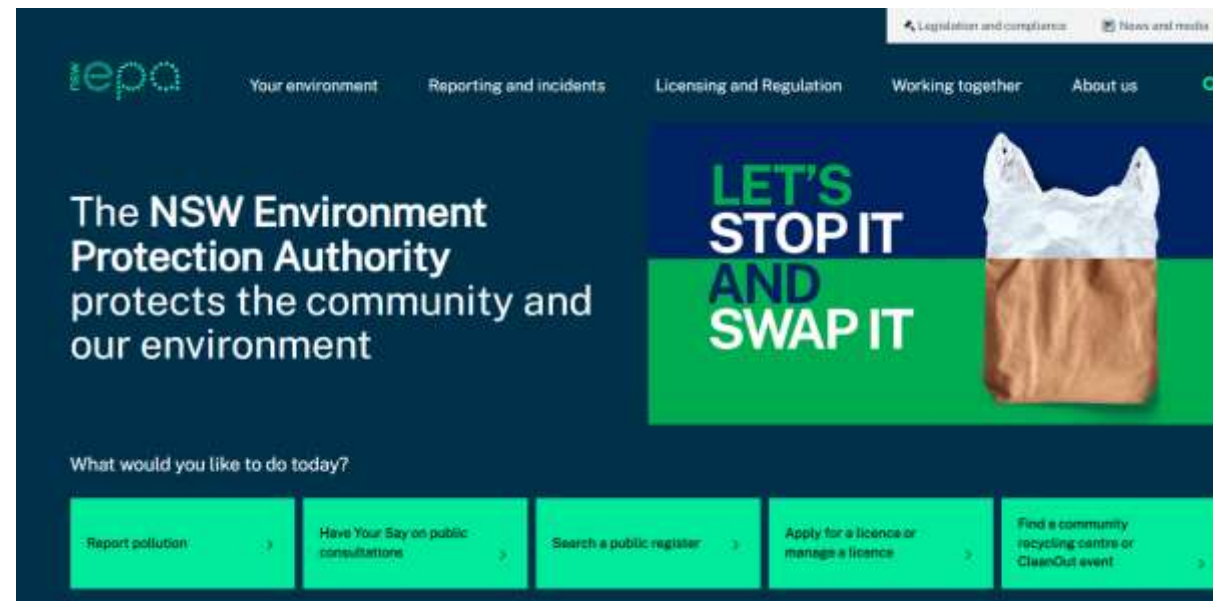
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Output

Report on the WCRA website and shared at the NSW EPA website.



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Question 1

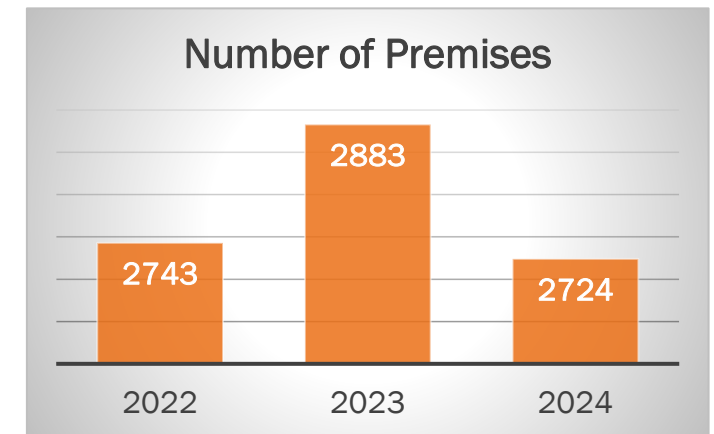
*What was the **total number of premises** your business provided a **C&I food waste recycling collection services** to during the sample week? (only count premises services on multiple days once).*

2,724 premises with C&I food waste recycling collection service. This decrease of 159 premises equates to 5.6% reduction.

The main three reasons reduction of services has been attributed to

- Business closures across the hospitality space due to poor trading conditions
- The closure of AJ Bush & Sons
- Businesses looking to reduce cost due to cost pressures across their business
- The cost financially and time implication for manage and monitor contamination is too high.
- Errors in previously years reporting let to the doubling up of some premises, which lead to 2023 number being inflated.

Be aware that each premises has a data point value of "1" no matter the size or amount of C&I food waste recycling collected. For example, a premise with 1 x 240L bin collected once a week weighing 15kgs has the same value as a premise with 1 x 30m3 compactor collected daily weighing a total of 70,000kgs.



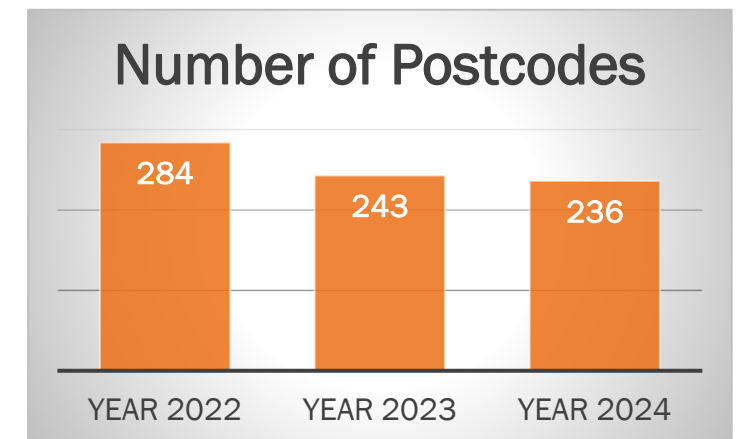
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Question 2

List the suburbs or postcodes of the premises your business provided a C&I food waste recycling collection service to during the sample week.



237 individual postcodes with C&I food waste recycling collection service.

This represents a reduction of 6 postcodes compared to 2023 and 47 postcodes being serviced compared to 2022. This slight reduction of serviced postcodes is mainly attributed to reduced services requirements and consolidation.

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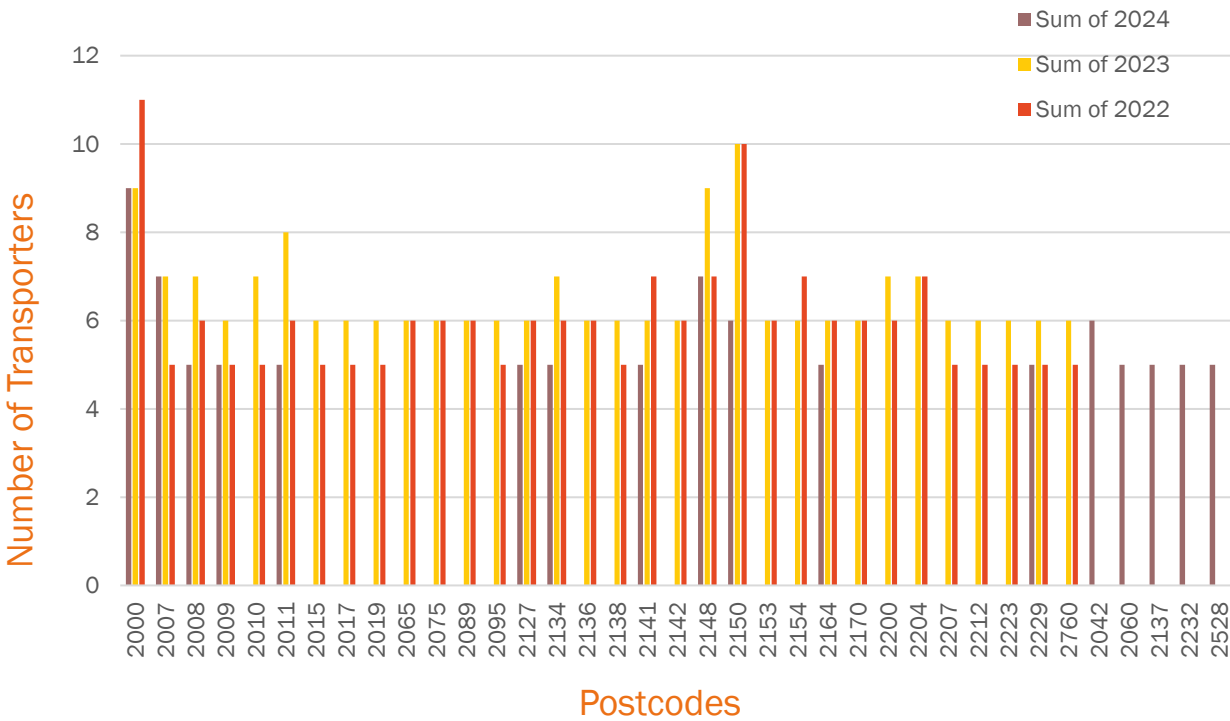
2024



Question 2

Count of Postcodes (Snapshot)

9	7	6	5	4	3	2	1
2000	2007	2042	2008	2010	2021	2006	2057
	2148	2150	2009	2015	2022	2028	2073
			2011	2016	2023	2030	2080
			2060	2017	2024	2033	2081
			2127	2018	2025	2034	2106
			2134	2019	2026	2039	2110
			2137	2020	2027	2041	2121
			2141	2037	2029	2047	2125
			2164	2038	2031	2049	2135
			2229	2040	2032	2062	2139
			2232	2050	2035	2063	2160
			2528	2067	2036	2070	2166
			2750	2102	2043	2072	2168
				2136	2044	2085	2174
				2138	2046	2088	2176
				2140	2048	2097	2211
				2142	2064	2109	2218
				2145	2065	2119	2227



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Question 3

How many trucks did you have on the road that were used for more than 10 hours in the week to collect C&I food waste recycling services?

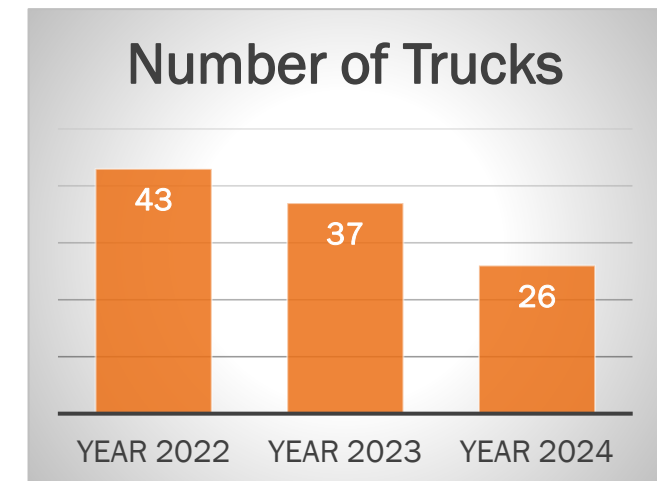
26 trucks used for more than 10 hours to collect C&I food waste recycling.

This reduction of 11 trucks compared to 2023 are servicing 6% less customers, This aligns with the reduction of services due to business closures and cost savings, however that stats do not show that some services have increased efficiency and vehicle type which has leads to similar or better density collected with fewer vehicles.

Also worth noting the due to the reduction of services, there are less trucks allocated to green waste collection that exceed 10 hours in a week for collection.

The Members were very cautious in sharing truck usage data.

Be aware that some are dedicated vehicles being used 100% of the time (50-60 hours) for C&I food waste recycling collection. Others, especially in the bulk waste system, change the waste type they carry load by load.



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Question 4

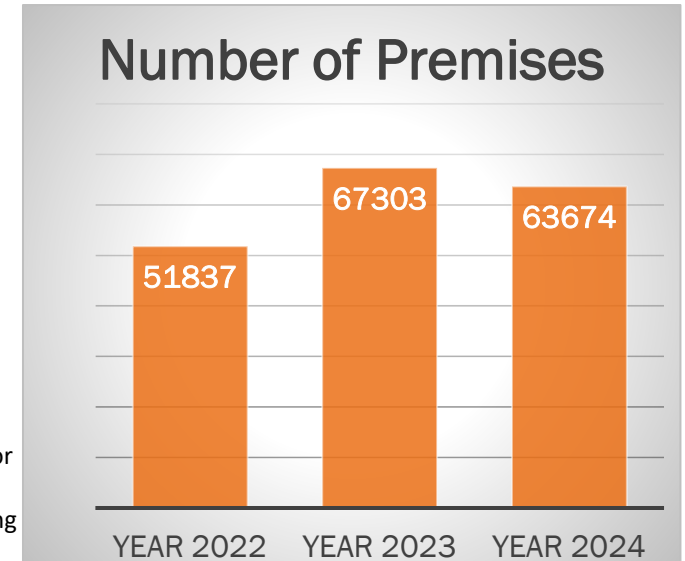
*What was the **total number of premises** your business **provided a mixed putrescible C&I waste collection service** which was landfilled during the sample week? (only count premises serviced on multiple days once)*

63,674 premises provided with a mixed putrescible C&I waste collection service which was landfilled. This is a decrease of 5% (3,629).

Upon analysis, this reduction can be attributed to many factors

- Closure of businesses
- Consolidation of Services (increased bin sizes, less frequent collection)
- Cost reduction, moving to cheaper alternatives for waste disposal

Be aware that each premises has a data point value of "1" no matter the size or amount of mixed putrescible C&I waste collected. For example, a premise with 1 x 240L bin collected once a week weighing 15kgs has the same value as a premise with 1 x 30m3 compactor collected daily weighing a total of 70,000kgs.



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REGION MAP

Locality of premises that Members provided a C&I food waste collection service to during the sample week

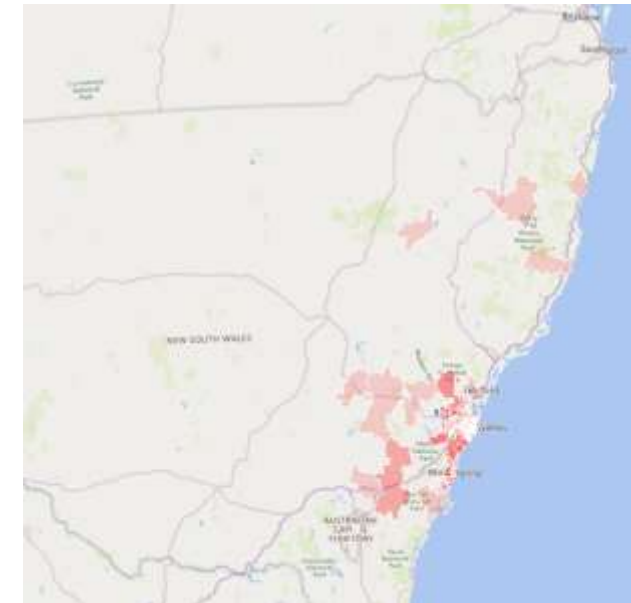
2022



2023



2024



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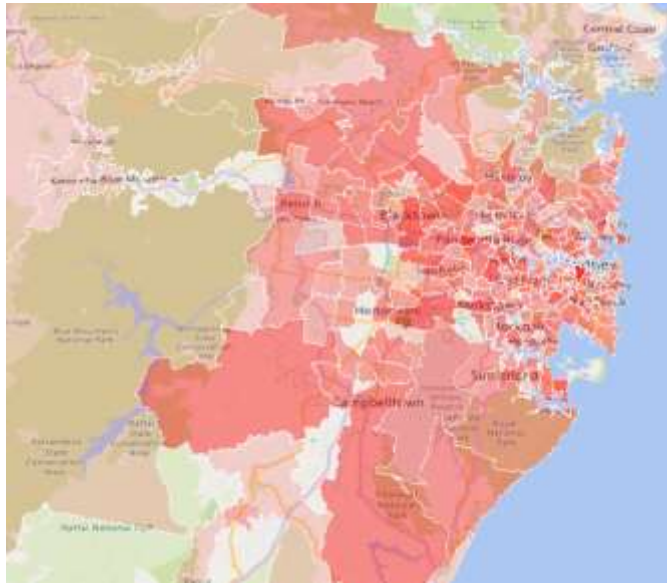
2024



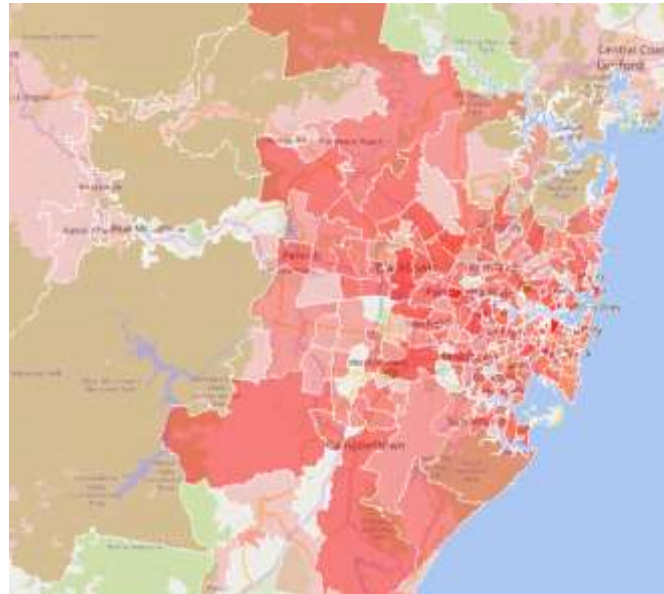
REGION MAP

Locality of premises that Members provided a C&I food waste collection service to during the sample week

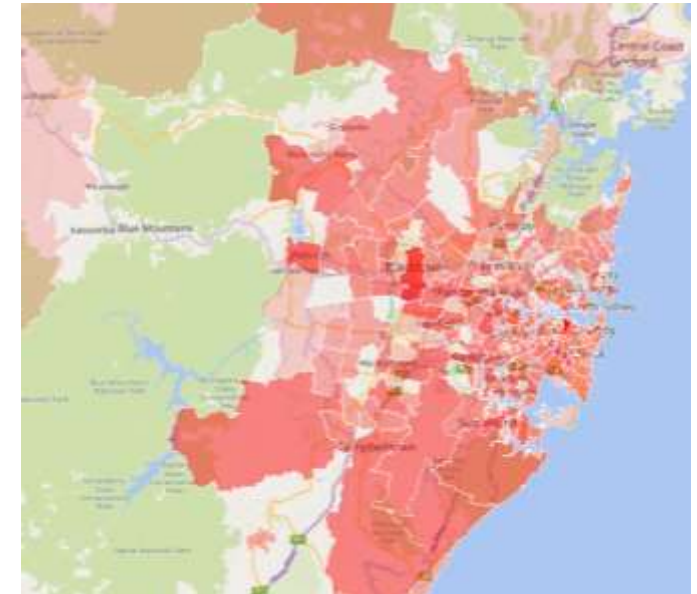
2022



2023



2024



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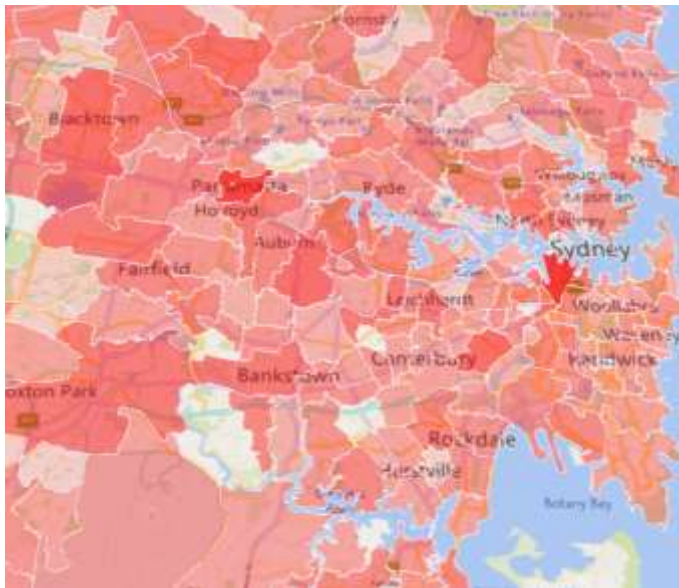
2024



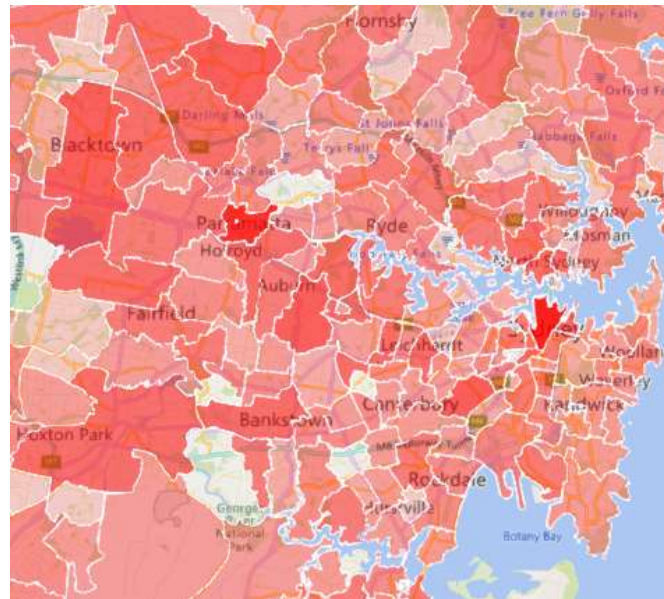
REGION MAP

Locality of premises that Members provided a C&I food waste collection service to during the sample week

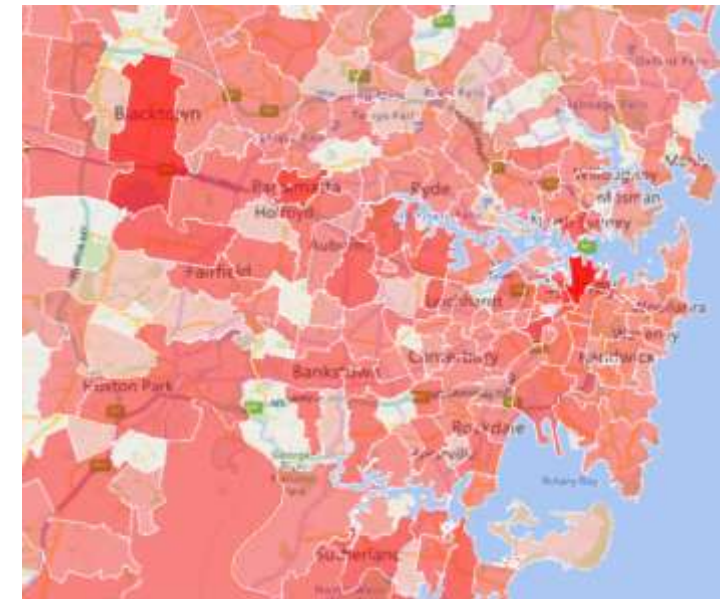
2022



2023



2024



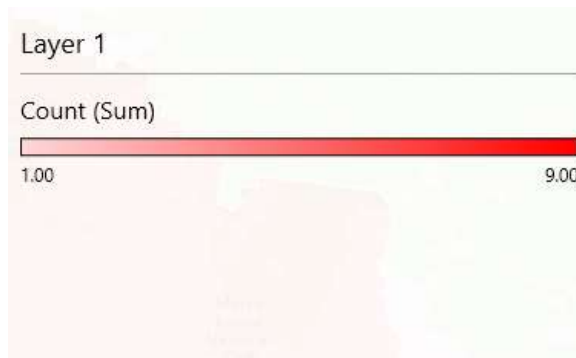
Commercial & Industrial (C&I) Food Waste Recycling Survey

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REGION MAP

Locality of premises that Members provided a C&I food waste collection service to during the sample week



Click on image to play video →



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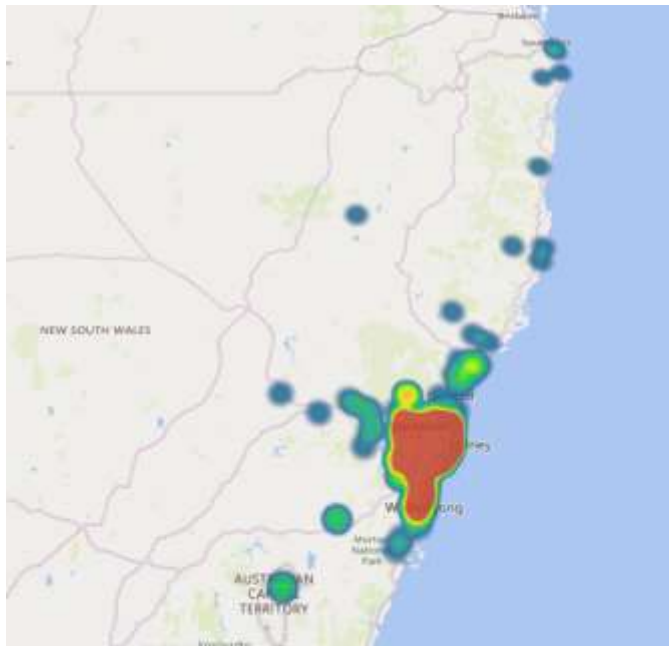
2024



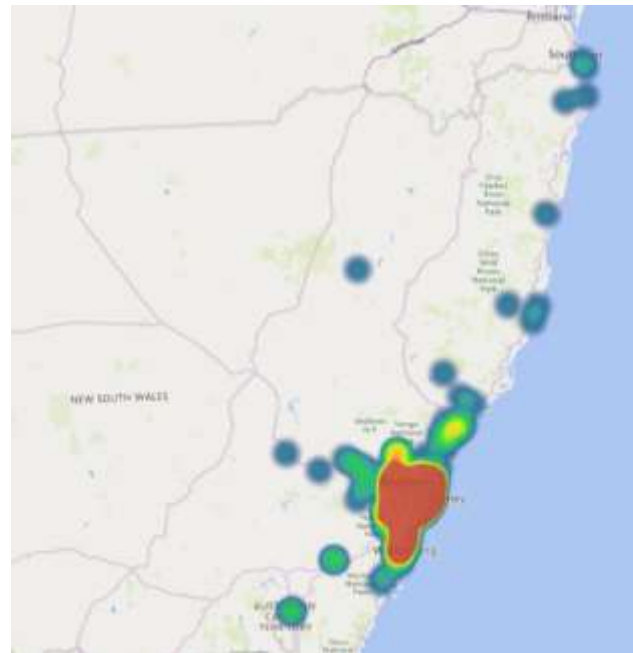
HEAT MAP

Premises that Members provided a C&I food waste collection service to during the sample week

2022



2023



2024



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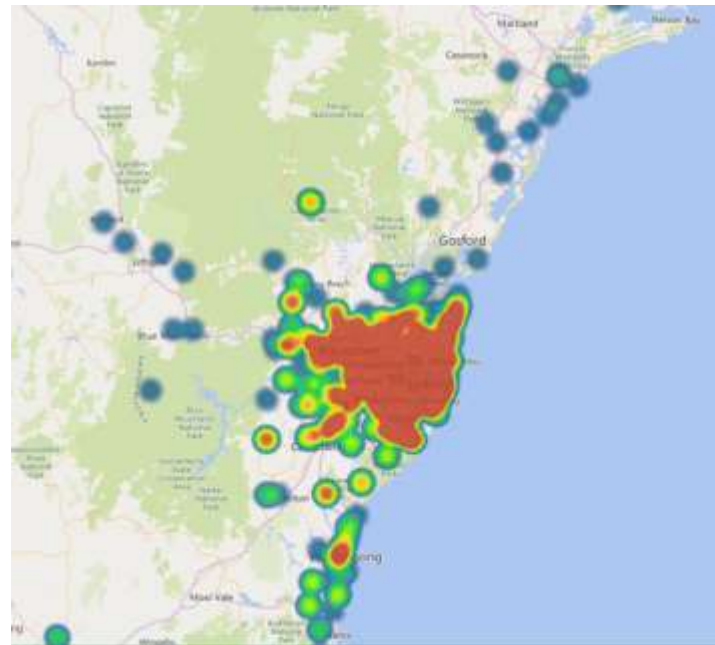
HEAT MAP

Premises that Members provided a C&I food waste collection service to during the sample week

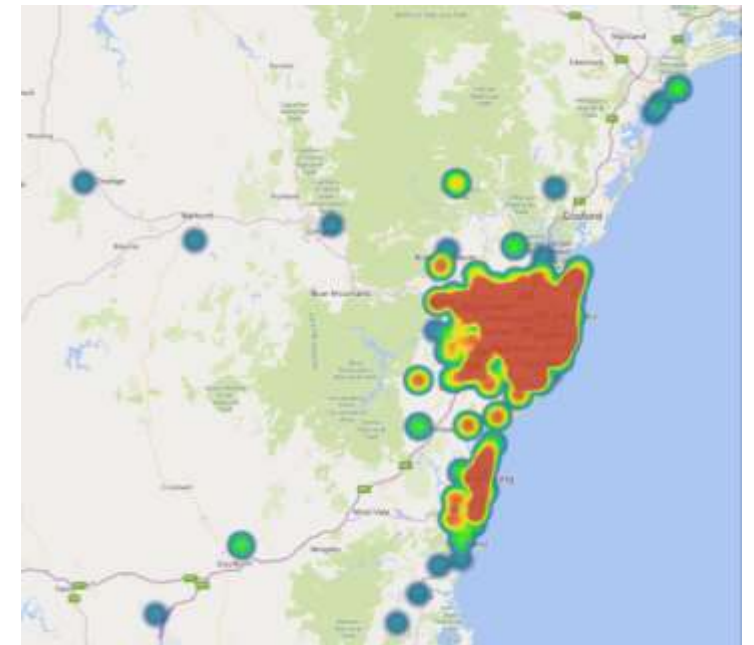
2022



2023



2024



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HEAT MAP

Premises that Members provided a C&I food waste collection service to during the sample week

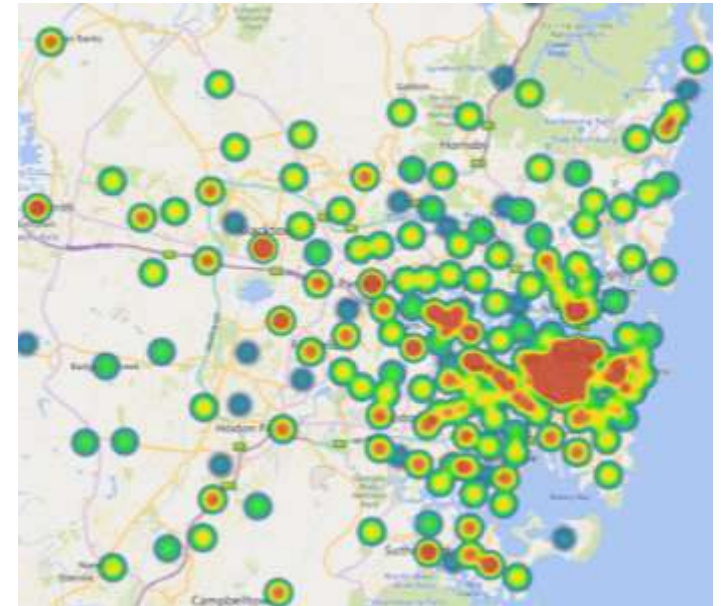
2022



2023



2024



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HEAT MAP

Premises that Members provided a C&I food waste collection service to during the sample week



Click on image to play video →

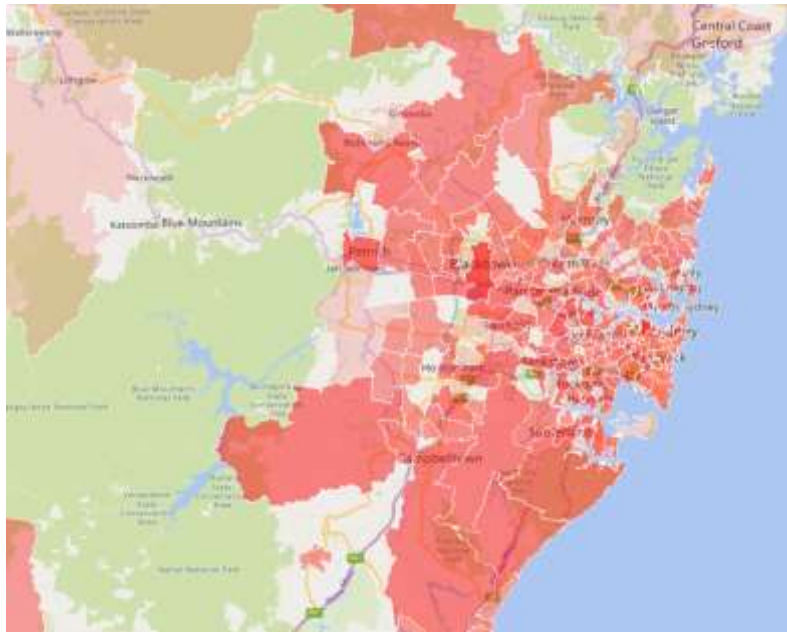
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REGION & HEAT MAP VIDEO

Premises that Members provided a C&I food waste collection service to during the sample week



Commercial & Industrial (C&I) Food Waste Recycling Survey

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POSTCODE COUNTS

9	7	6	5	4	3	2	1
2000	2007	2042	2008	2010	2021	2006	2057
	2148	2150	2009	2015	2022	2028	2073
			2011	2016	2023	2030	2080
			2060	2017	2024	2033	2081
			2127	2018	2025	2034	2106
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				2138	2046	2088	2176
				2140	2048	2097	2211
				2142	2064	2109	2218
				2145	2065	2119	2227
				2154	2066	2126	2231
				2161	2068	2128	2250
				2165	2074	2129	2280
				2170	2075	2143	2290
				2173	2077	2146	2301
				2196	2086	2157	2350
				2200	2087	2178	2380
				2204	2089	2194	2444
				2208	2093	2205	2445
				2210	2095	2222	2446
				2212	2099	2226	2450
				2217	2100	2300	2452

Number of transporters providing a C&I food waste recycling collection service
to each postcode during the sample week

4	3	2	1
2220	2101	2505	2481
2224	2103	2515	2506
2228	2107	2516	2520
2233	2111	2517	2534
2500	2112	2518	2535
2508	2113	2526	2540
2519	2114	2529	2541
2525	2115	2533	2610
2527	2116	2555	2620
2530	2118	2556	2740
2560	2120	2557	2745
2565	2122	2558	2754
2570	2130	2564	2767
2753	2131	2573	2790
2760	2132	2580	2795
2761	2133	2900	2800
2766	2144		
	2147		
	2151		
	2152		
	2153		
	2155		
	2158		
	2163		
	2171		
	2190		
	2192		
	2193		

3	2	1
2195		
2197		
2199		
2203		
2206		
2207		
2216		
2219		
2221		
2223		
2230		
2234		
2502		
2566		
2567		
2747		
2756		
2759		
2762		
2765		
2768		
2770		

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Commercial & Industrial (C&I) Food Waste Recycling Survey

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Appendix 1

Email sent to WCRA Members
regarding C&I Food Waste
Recycling Collection Survey



Dear WCRA Members,

C&I Food Waste Recycling Collection Survey

Reminder this is now due

WCRA has committed to conducting this Member survey in 2022, 2023, and 2024 to monitor the changes in food organics collection in the **C&I** (Commercial & Industrial) sector in NSW. This study will identify potential expansion opportunities for industry. The outcome from comparing the current number of food waste recycling collections and putrescible waste to landfill collections will demonstrate the need for the NSW government to invest in food waste awareness-raising and source separation education to support additional food waste recycling.

The sample week we will be surveying is **Monday 13th May 2024 to Sunday 19th May 2024**. Only count premises serviced on multiple days once. Don't include work that is subcontracted out. All data collected will remain anonymous & aggregated. Attached is a copy of the survey form. We would appreciate your assistance in completing this form & returning by email to memberservices@wcra.com.au by Thursday **30th May 2024**, or you can simply call the office to complete.

WCRA will be following up with a phone call if we haven't received a response by Tuesday 4th June 2024. Thank you for your time and support.



With best regards,

Ms Jamal Alameddine, Executive Assistant to Brett Lemin

Waste Contractors & Recyclers Association of NSW

t. 02 9604 7206 e. memberservices@wcra.com.au

Suite 2, First Floor, 12-16 Daniel Street, Wetherill Park

PO Box 6643 Wetherill Park BC NSW 2164

WCRA – celebrating 75 years of service to the waste management industry

Commercial & Industrial (C&I) Food Waste Recycling Survey 2024



Appendix 1

C&I Food Waste Recycling Collection

Survey sent to WCRA Members



 **Commercial & Industrial (C&I)
FOOD WASTE & RECYCLING SURVEY**

To track the progress of C&I food waste recycling collection services through yearly analysis of a sample week of service data. **SAMPLE WEEK** = from Monday 13th May to Sunday 19th May 2024.

Note: Do not include work that is subcontracted out

1. Does your business provide C&I food waste recycling collection services?
NO ☐ YES ☐
(If NO, go to question 5) (If YES, go to question 2)

2. What was the total number of premises your business provided a C&I food waste recycling collection services to during the sample week? (only count premises services on multiple days once)
Number of premises: _____

3. List the suburbs or postcodes of the premises your business provided a C&I food waste recycling collection services to during the sample week.
Suburbs or postcodes separated by commas: _____

4. How many trucks did you have on the road that were used for more than 10 hours in the week to collect C&I food waste recycling services?
Number of trucks: _____

5. Does your business provide mixed putrescible C&I waste collection services which are landfilled?
NO ☐ YES ☐
(If NO, survey finished) (If YES, go to question 6)

6. What was the total number of premises your business provided a mixed putrescible C&I waste collection service which was landfilled during the sample week? (only count premises services on multiple days once).
Number of premises: _____

All data collected will be anonymised & aggregated. Thank you for completing the survey.

Commercial & Industrial (C&I) Food Waste Recycling Survey

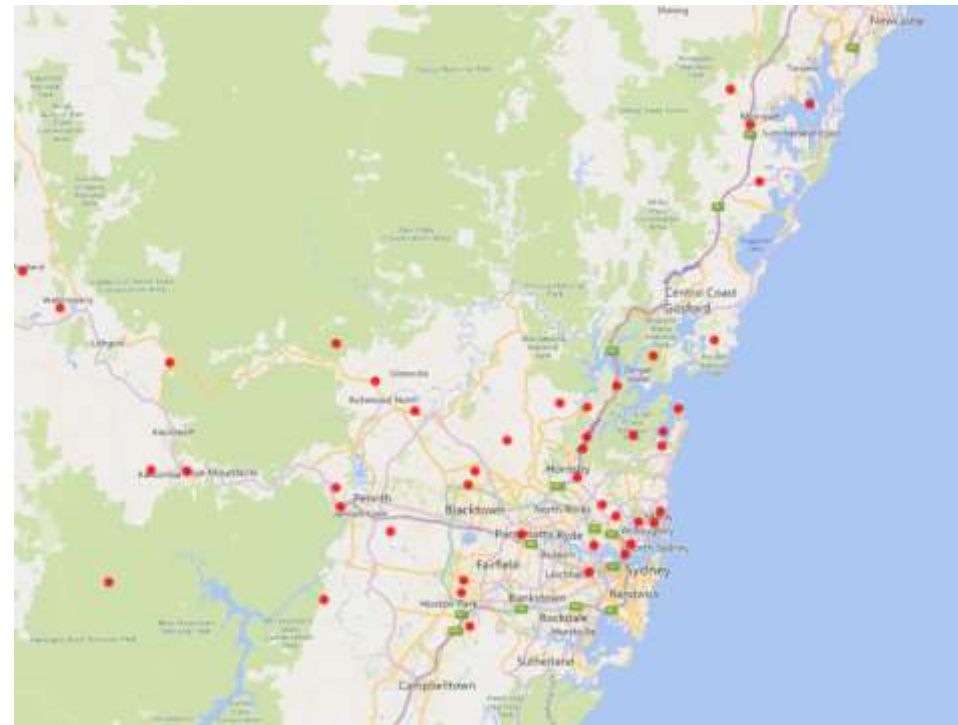
2024



Appendix 2

Postcodes from 2022 & 2023

NOT serviced in 2024



Commercial & Industrial (C&I) Food Waste Recycling Survey

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Lessons learnt and recommendations for next track survey

Complete overhaul of the data that is collected and presented

- Track bin size and collection quantity to accurately determine the volume of C&I FOGO collected.
 - Track over a monthly period to capture fortnightly/on call services
 - Collect Contamination Data
 - Collect Liquid volumes
 - Involve Community or Schools to drive education and growth... pit councils against each other growth per capita maybe?
 - Include volumes from receival facilities to cross reference the collections which will also capture more of the market.
-