

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

WASTE CONTRACTORS &
RECYCLERS ASSOCIATION
OF NSW



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RECYCLERS ASSOCIATION
OF N.S.W



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

2023



Executive Summary

WCRA received a 98.8% response rate (169 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 15 May to Sunday 21 May 2023.

The total number of premises provided with a C&I food waste recycling collection service during the sample week was 2,883.

The total number of individual postcodes of the premises provided with a C&I food waste recycling collection service during the sample week was 243.

The total number of trucks used for more than 10 hours to collect C&I food waste recycling during the sample week was 37.

The total number of premises provided with a mixed putrescible C&I waste collection service which was landfilled during the sample week was 67,303.

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

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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 2023 survey results gives us our first chance to compare with the baseline set in 2022. Under the current agreement there will be one more wave of surveys 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.
 - The 11 new Members included in the 2023 are small businesses. 8 are Sydney based and 3 are regional operators. None of these new Members are collecting C&I FO.
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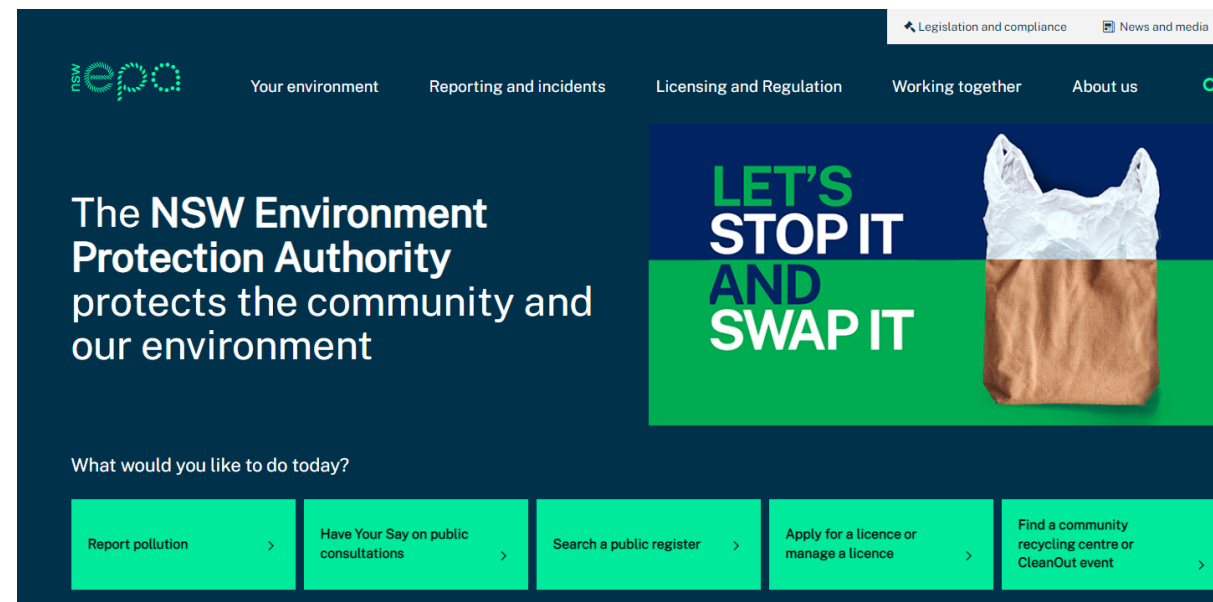
Commercial & Industrial (C&I) Food Waste Recycling Survey

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Output

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



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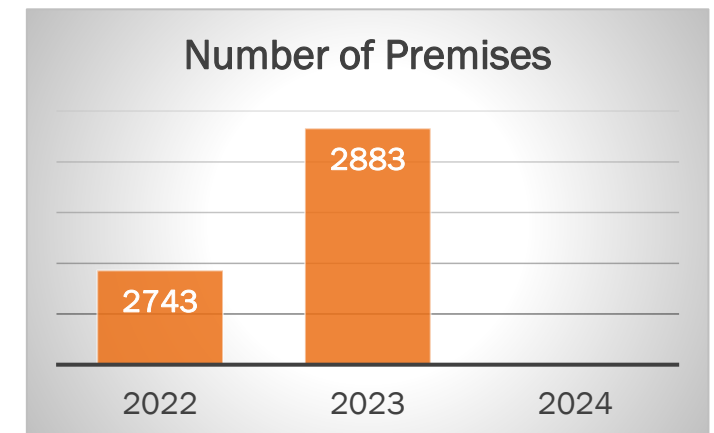
Question 1

*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).*

2,883 premises with C&I food waste recycling collection service. This increase of 140 premises equates to 5% growth.

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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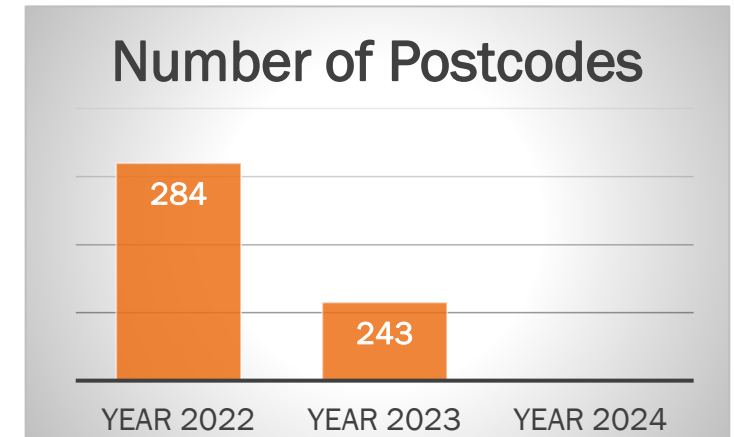
2023



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.

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



This represents a reduction of 41 postcodes being serviced compared to 2022. The most significant areas of this reduction are the northern suburbs of Sydney metro and the upper Blue Mountains. (see map in appendix 2)

In 2023 Parramatta has the most individual collectors (10), with Sydney CBD reducing by two collectors now being a total of (9)

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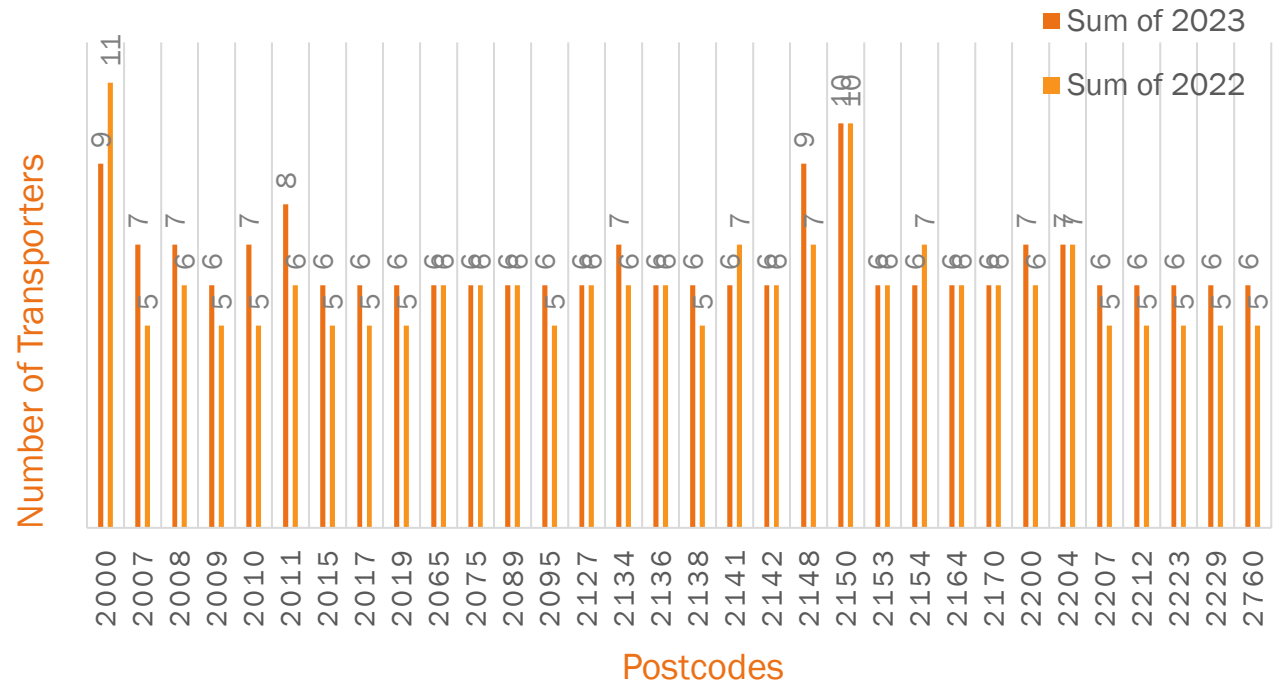
2023



Question 2

Count of Postcodes (Snapshot)

10	9	8	7	6	5	4	3	2	1
2150	2000	2011	2007	2009	2016	2023	2021	2057	2006
	2148		2008	2015	2018	2024	2030	2160	2045
			2010	2017	2020	2025	2033	2166	2047
			2134	2019	2022	2026	2041	2168	2073
			2200	2065	2029	2027	2043	2502	2081
			2204	2075	2037	2028	2044	2505	2106
				2089	2038	2031	2049	2515	2121
				2095	2042	2032	2062	2516	2125
				2127	2048	2034	2063	2517	2139
				2136	2060	2035	2070	2518	2162
				2138	2066	2036	2085	2526	2174
				2141	2067	2039	2086	2533	2176
				2142	2068	2040	2097	2745	2177
				2153	2077	2046	2109		2211
				2154	2093	2050	2128		2218
				2164	2100	2064	2129		2227
				2170	2113	2072	2135		2231
				2207	2114	2074	2143		2280



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

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Question 3

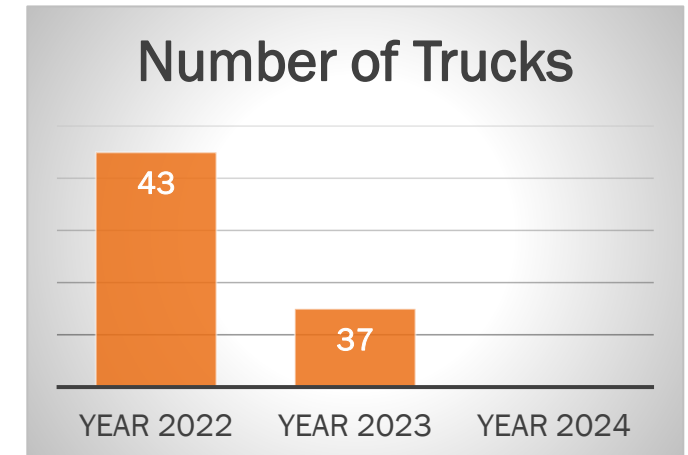
How many trucks did you have on the road that were used for more than 10 hours in the week to collect C&I food waste recycling services?

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

This reduction of (6) trucks compared to 2022 are servicing 5% more customers that indicates either denser routes or greater hours per truck.

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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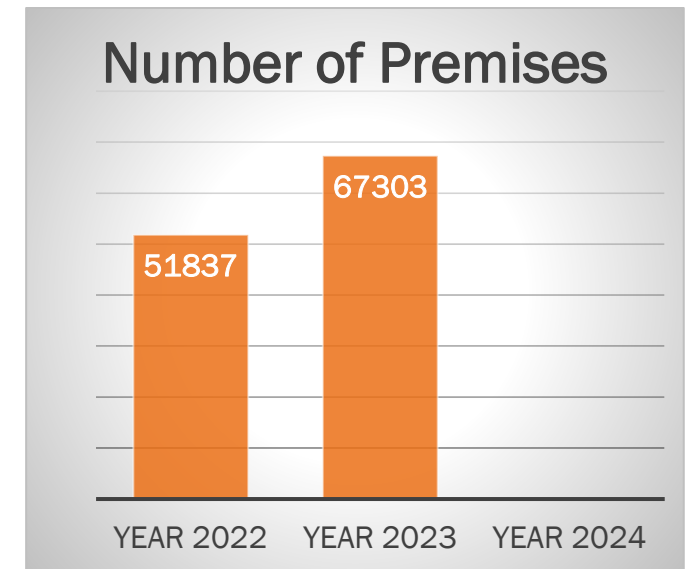
Question 4

*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)*

67,303 premises provided with a mixed putrescible C&I waste collection service which was landfilled. This is an increase of 30% (15,466).

Upon analysis, it would appear that this increase is due to data not being included in the 2022 survey.

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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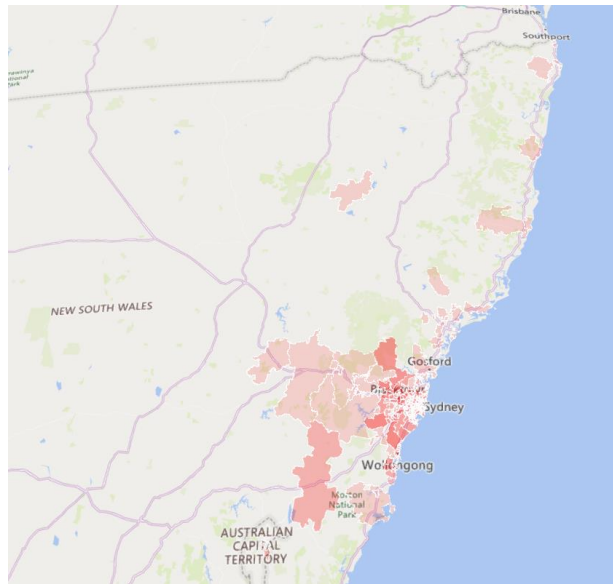
2023



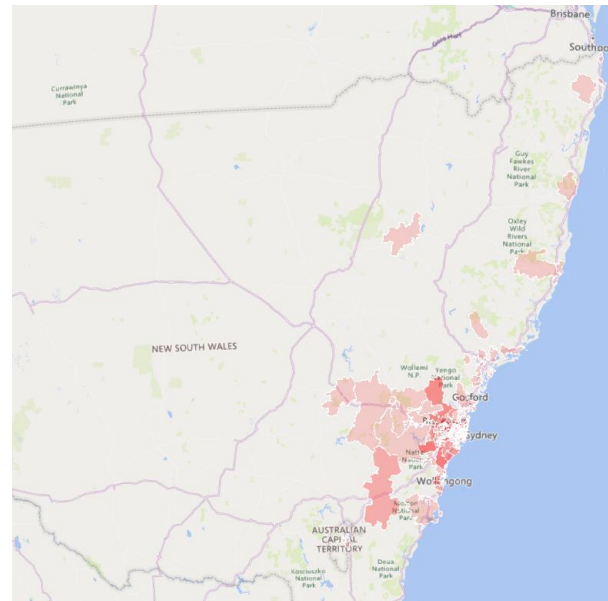
REGION MAP

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

2022



2023



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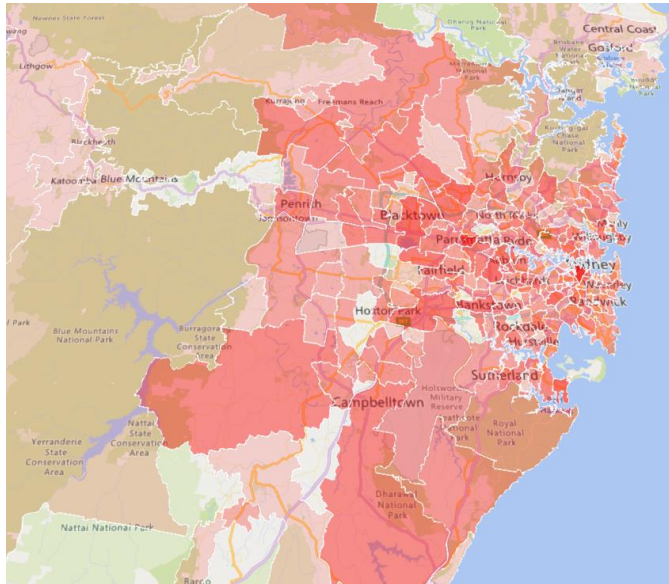
2023



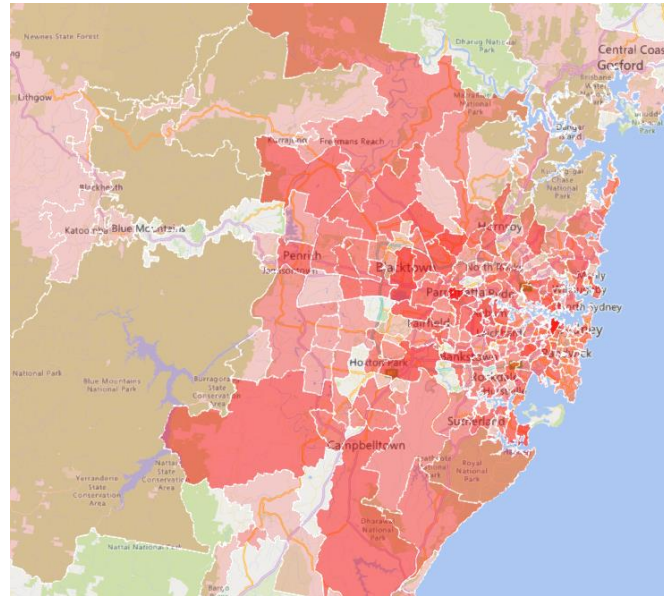
REGION MAP

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

2022



2023



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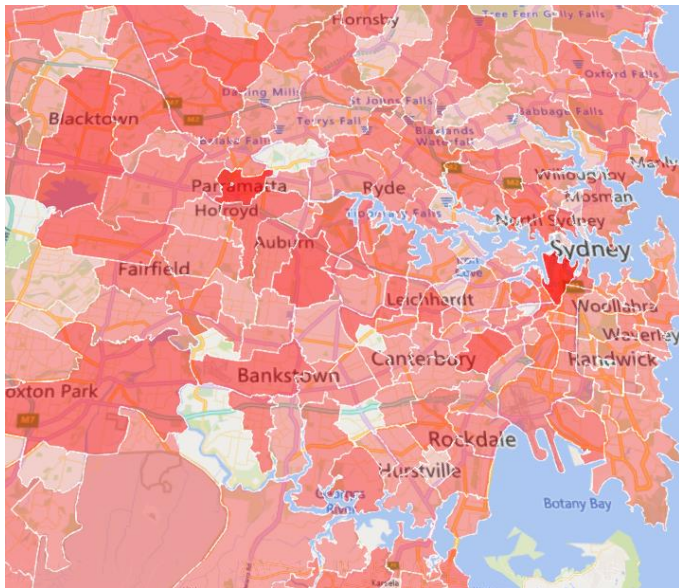
2023



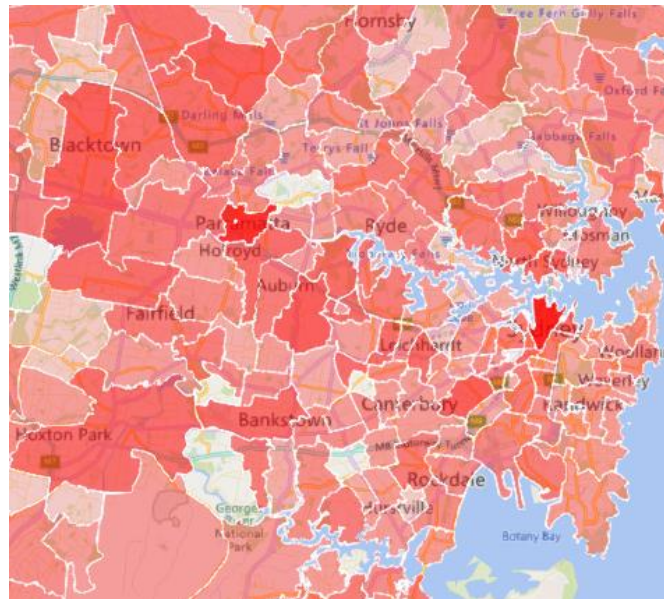
REGION MAP

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

2022



2023



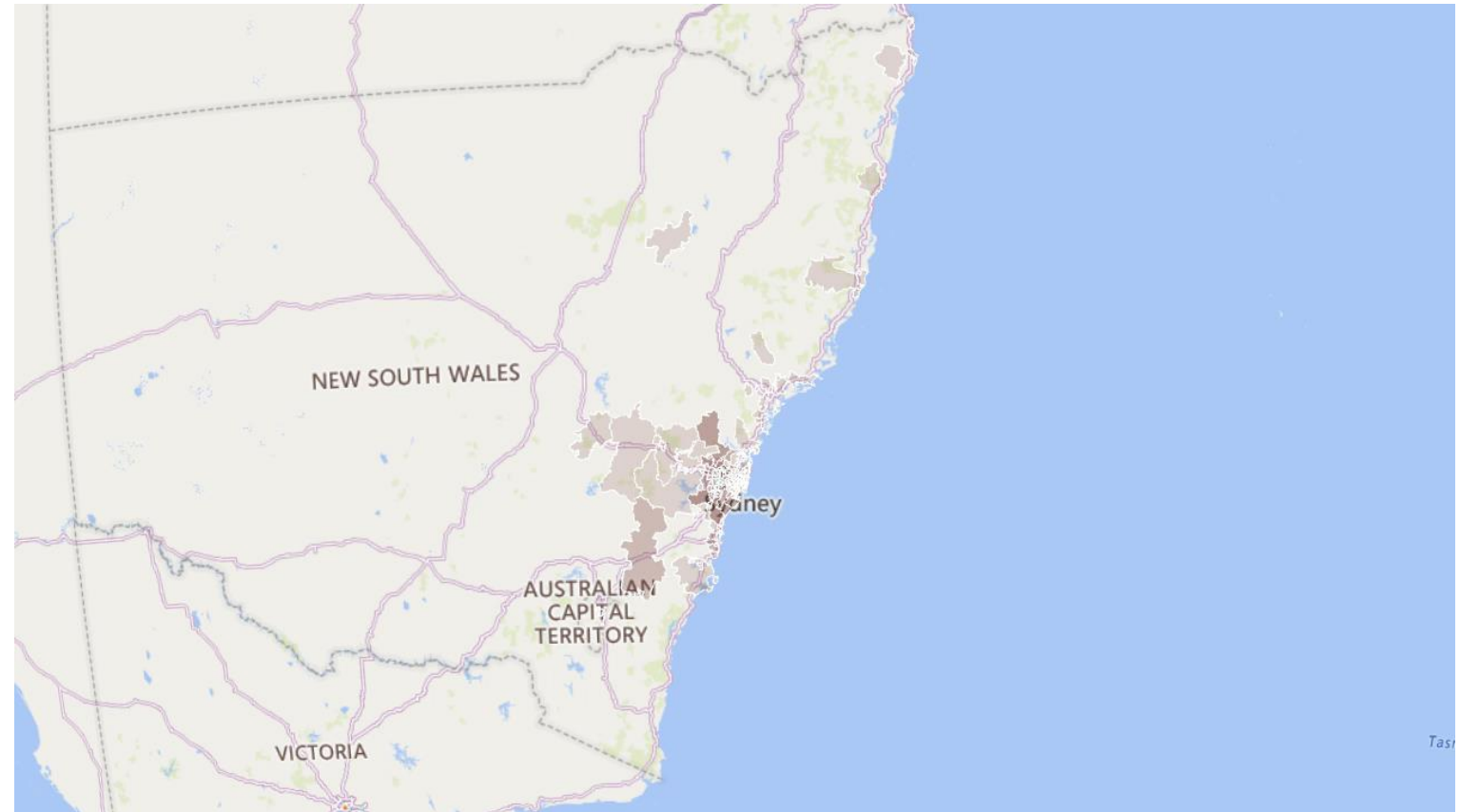
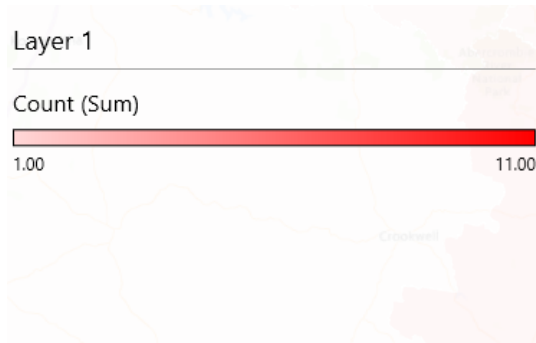
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REGION MAP

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



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

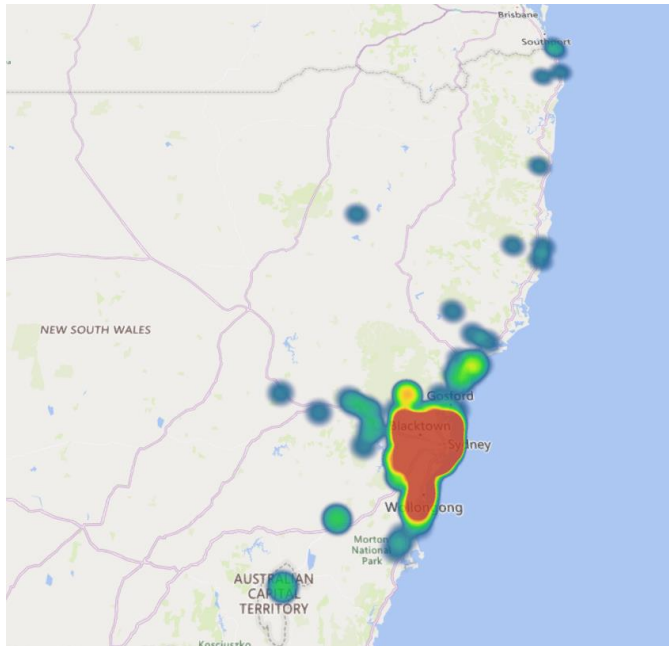
2023



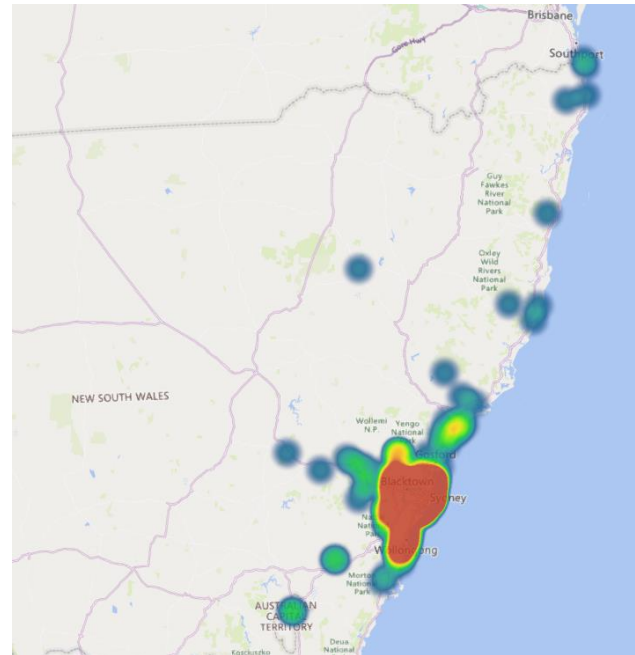
HEAT MAP

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

2022



2023



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

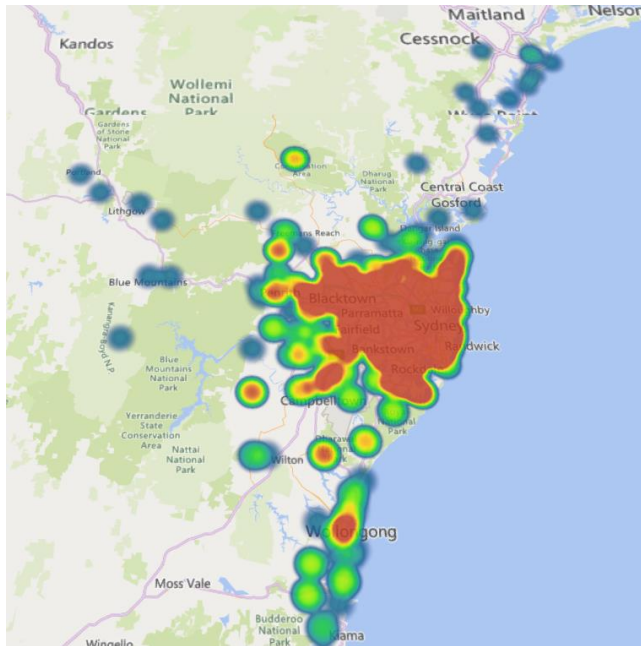
2023



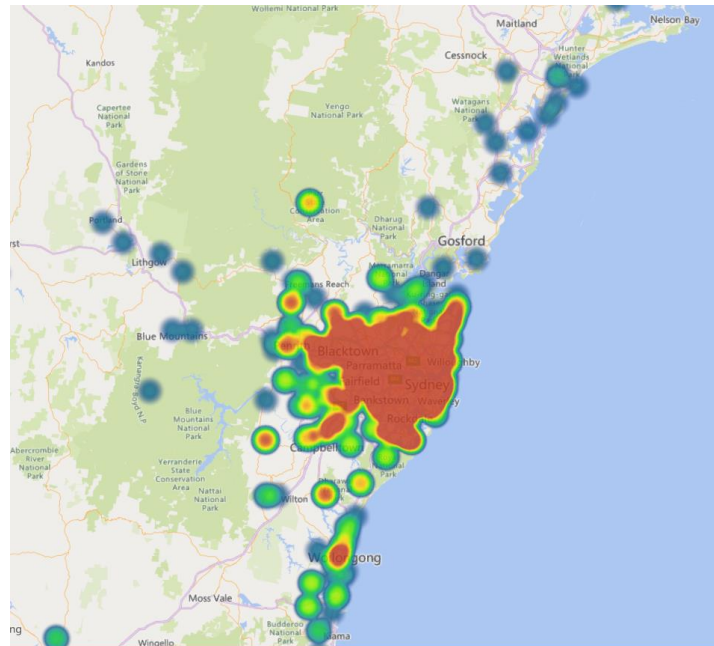
HEAT MAP

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

2022



2023



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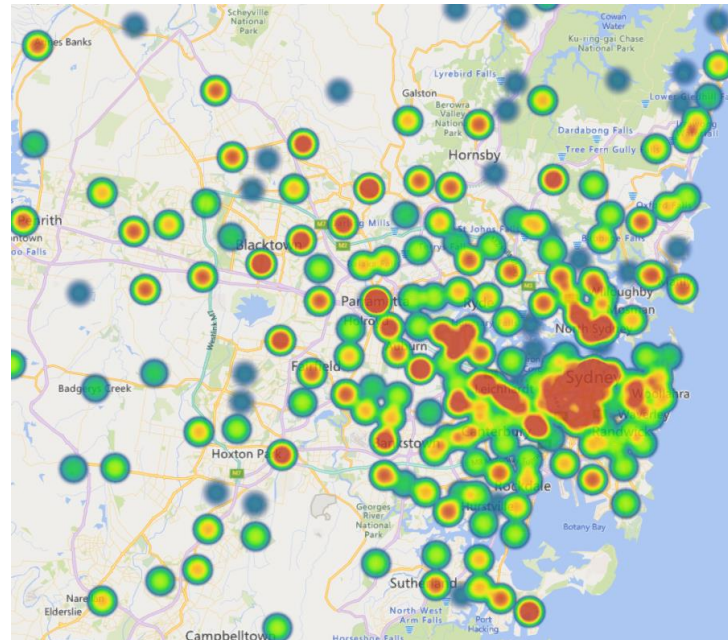
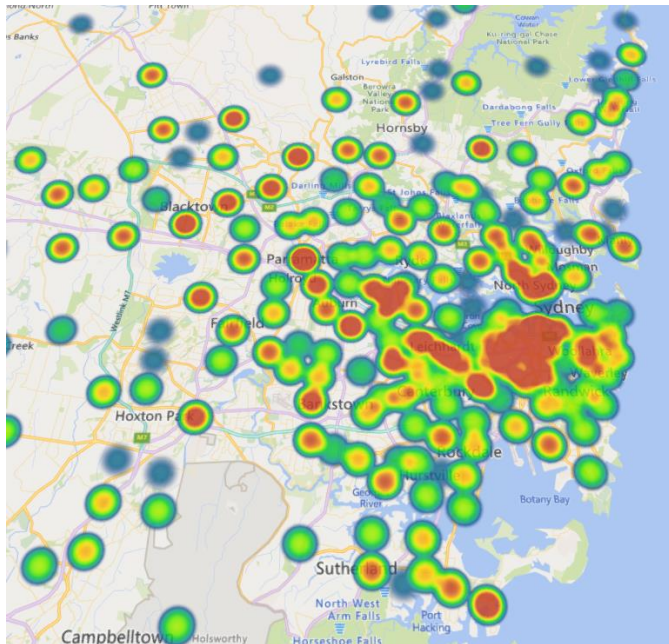


HEAT MAP

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

2022

2023



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HEAT MAP

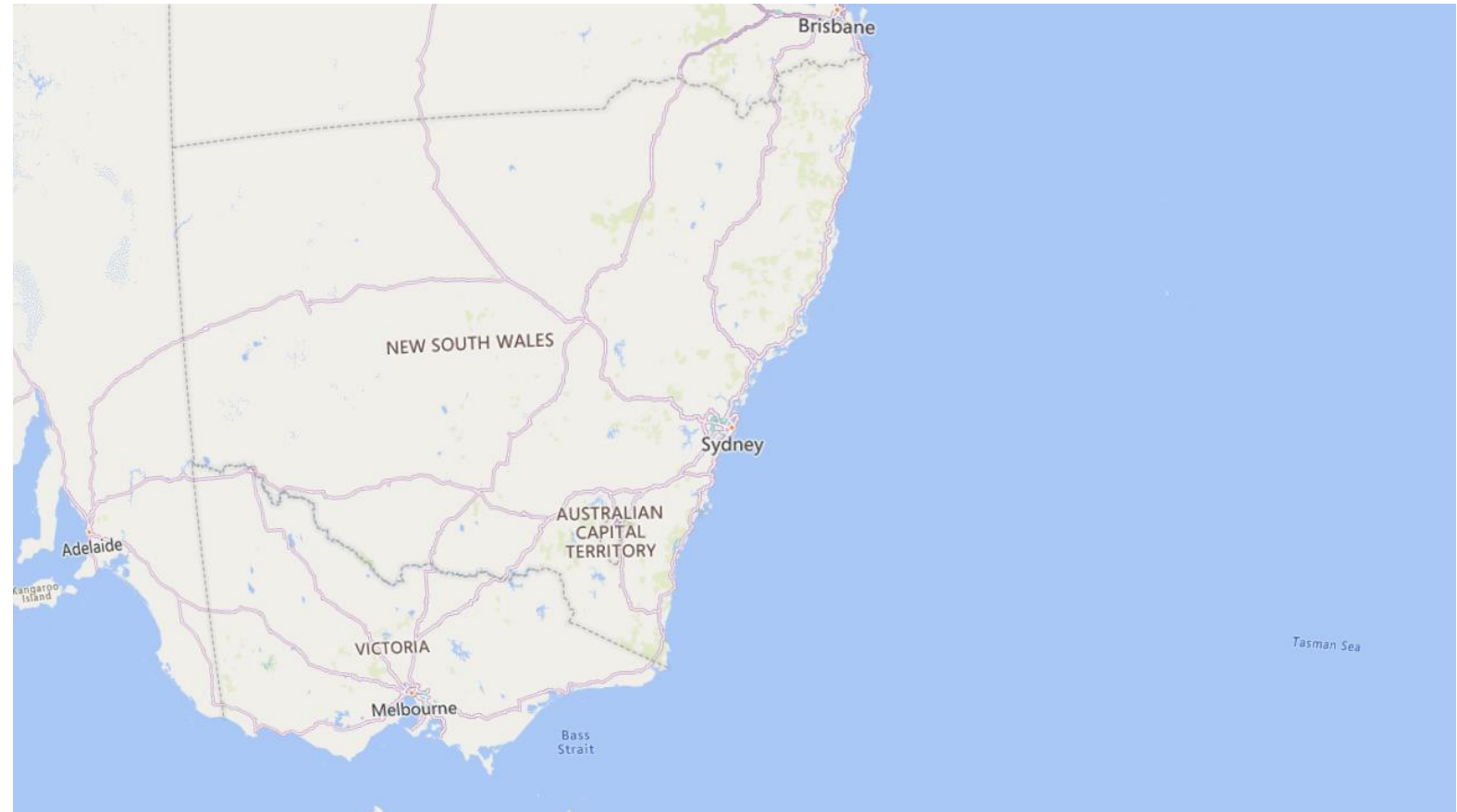
Premises that Members provided a C&I food waste collection service to during the sample week

Legend

Count (Sum)



Click on image to play video 



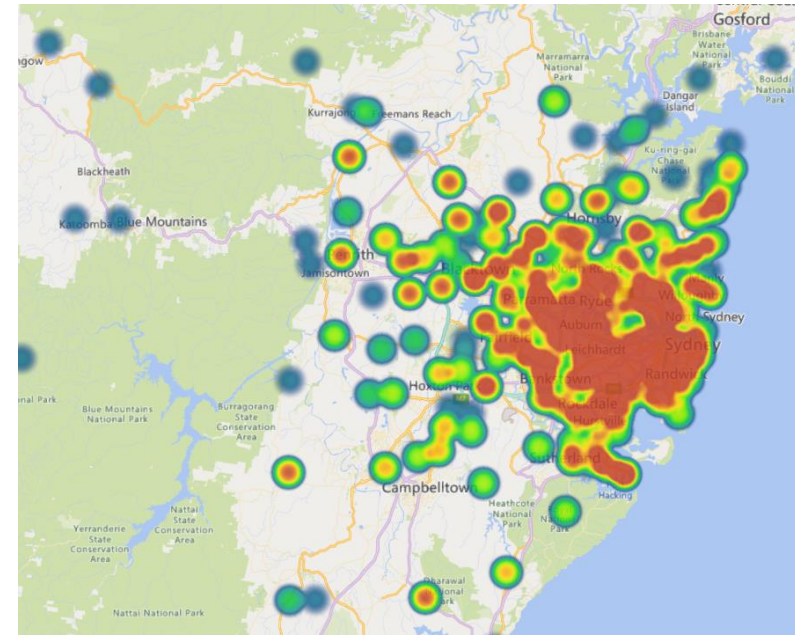
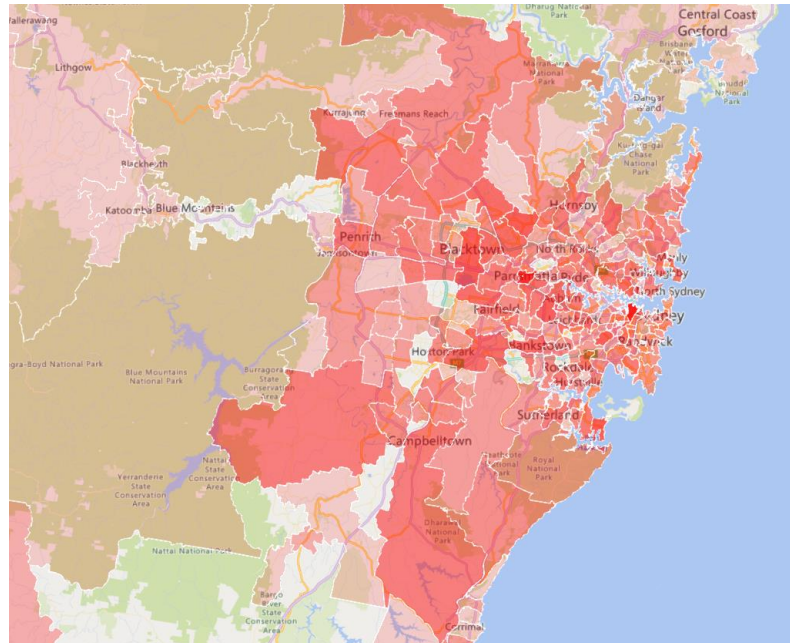
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REGION & HEAT MAP VIDEO

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

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

10	9	8	7	6	5	4	3	2	1
2150	2000	2011	2007	2009	2016	2023	2021	2057	2006
	2148		2008	2015	2018	2024	2030	2160	2045
			2010	2017	2020	2025	2033	2166	2047
			2134	2019	2022	2026	2041	2168	2073
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				2164	2100	2064	2129		2227
				2170	2113	2072	2135		2231
				2207	2114	2074	2143		2280
				2212	2120	2087	2146		2290
				2223	2122	2088	2157		2299
				2229	2131	2099	2178		2300
				2760	2137	2101	2190		2301
					2140	2102	2222		2308
					2144	2103	2555		2311
					2145	2107	2556		2320
					2147	2111	2573		2323
					2155	2112	2580		2324
					2163	2115	2761		2380
					2165	2116	2900		2444
					2171	2118			2445

10	9	8	7	6	5	4	3	2	1
					2192	2119			2446
					2196	2126			2450
					2197	2130			2452
					2199	2132			2480
					2210	2133			2481
					2216	2151			2485
					2217	2152			2487
					2224	2158			2506
					2230	2161			2529
					2232	2173			2534
					2500	2193			2535
					2508	2194			2540
					2519	2195			2541
					2525	2203			2740
					2527	2205			2749
					2528	2206			2754
					2530	2208			2767
					2560	2219			2790
					2565	2220			2795
					2566	2221			2800
					2567	2226			
					2570	2228			
					2750	2233			
					2753	2234			
					2759	2557			
					2762	2558			
					2765	2564			
						2747			
						2756			
						2766			
						2768			
						2770			

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



Subject: WCRA- C&I Food Waste Recycling Collection Survey May 2023

Dear WCRA Members,

C&I Food Waste Recycling Collection Survey

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 15th May 2023 to Sunday 21st May 2023**. 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 Tuesday **30th May 2023**, 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 6th June 2023. Thank you for your time and support.



With best regards,
Ms Jamal Alameddine, Executive Assistant to Tony Khoury
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

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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 15th May to Sunday 21st May 2023.**

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 service 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 serviced 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

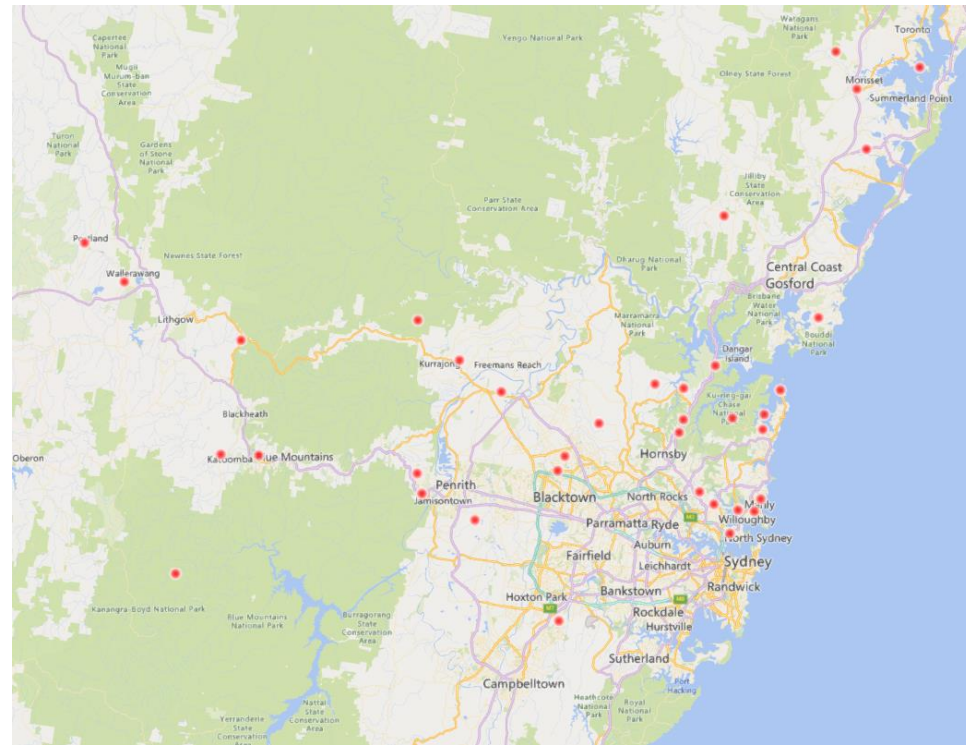
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Appendix 2

Postcodes from 2022

NOT serviced in 2023



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

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Lessons learnt and recommendations for 2024 track survey

- Ensure confidentiality of all Members data
- Ensure all data is anonymised and aggregated
- Ensure same questions and parameters are used in all track surveys for direct data comparison and analysis.
- Promote improvements and business opportunities created by the C&I food waste recycling survey results.

