

2022



Executive Summary

WCRA received a 98% response rate (156 of 160) for the survey. 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 16 May to Sunday 22 May 2022.

The total number of premises provided with a C&I food waste recycling collection service during the sample week was 2,743.

The total number of individual postcodes of the premises provided with a C&I food waste recycling collection service during the sample week was 284.

The total number of trucks used for more than 10 hours to collect C&I food waste recycling during the sample week was 43.

The total number of premises provided with a mixed putrescible C&I waste collection service which was landfilled during the sample week was 51,837.

2022



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 2022 survey results set a baseline with two waves of surveys (2023 & 2024) to track movement of C&I FO recycling collection services.







2022



Methodology

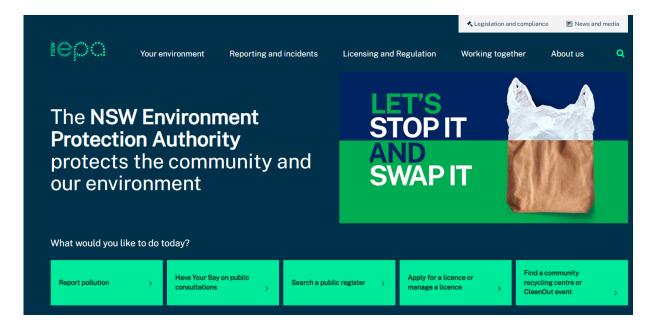
- The survey was conducted by sending the questions via email then if no response after 21 days follow up phone call/s. (See appendix 1).
- All data collected was anonymised and aggregated.
- 160 surveys were sent to WCRA Members with the nominate representative being the first point of contact by email 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.
- 30 minute interviews were conducted by NSW EPA & WCRA with 5 WCRA Members of various sizes who all provide C&I FO recycling collection services. The questions can be found in appendix 2 of this report, along with appendix 3 that contains a summary of the interviews with the 5 WCRA Members.

2022



Output

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



2022



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).

2,743 premises with C&I food waste recycling collection service. This number forms a base for comparison next year.

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.

2022

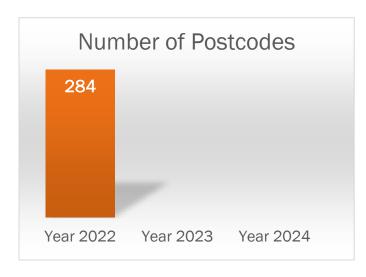


Question 2

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

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

This number forms a base for comparison next year.



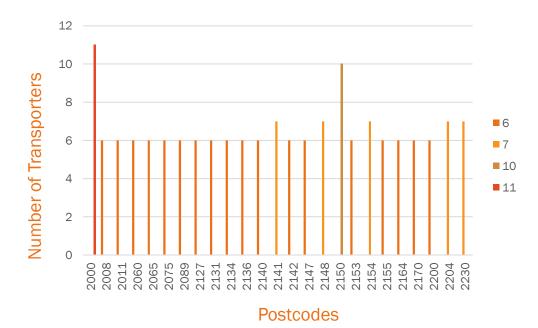
2022



Question 2

Count of Postcodes (Snapshot)

11	10	7	6	5	4	3	2	1
2000	2150	2141	2008	2007	2018	2016	2021	2045
		2148	2011	2009	2020	2023	2030	2047
		2154	2060	2010	2022	2024	2033	2061
		2204	2065	2015	2026	2025	2041	2069
		2230	2075	2017	2029	2027	2043	2071
			2089	2019	2038	2028	2044	2076
			2127	2037	2042	2031	2049	2079
			2131	2066	2048	2032	2073	2080
			2134	2067	2064	2034	2081	2082
			2136	2068	2072	2035	2106	2083
			2140	2077	2074	2036	2121	2084
			2142	2093	2087	2039	2125	2090
			2147	2095	2088	2040	2139	2092
			2153	2100	2099	2046	2162	2094
			2155	2113	2101	2050	2178	2096
			2164	2120	2102	2062	2190	2104
			2170	2122	2103	2063	2211	2105
			2200	2126	2107	2070	2222	2108



2022



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?

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

This number forms a base for comparison next year.

The Members were very cautious in sharing truck usage data.



Be aware that some of the 43 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.

2022

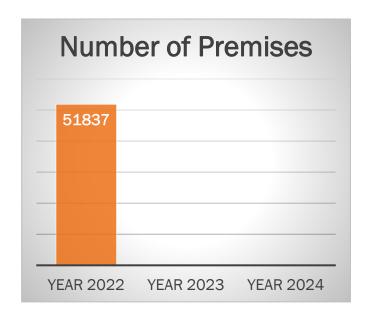


Question 4

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)

51,837 premises provided with a mixed putrescible C&I waste collection service which was landfilled. This number forms a base for comparison next year.

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.



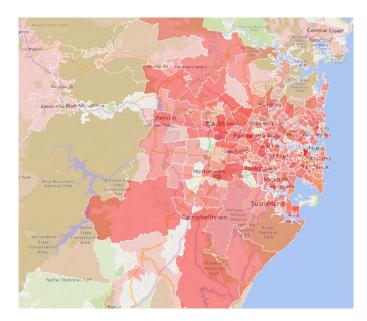
2022

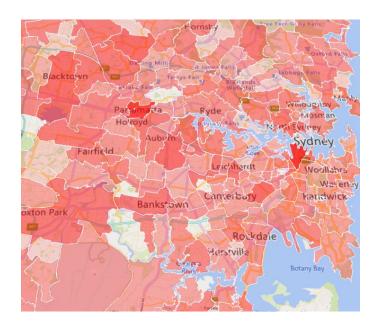


REGION MAP

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







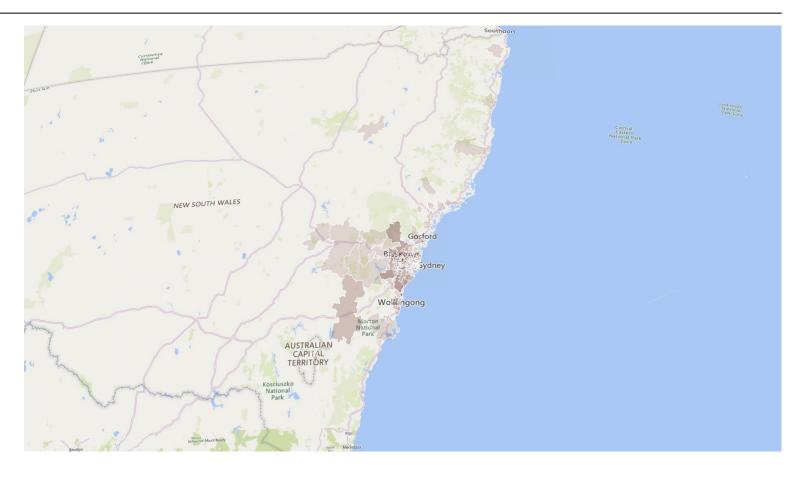
2022



REGION MAP

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



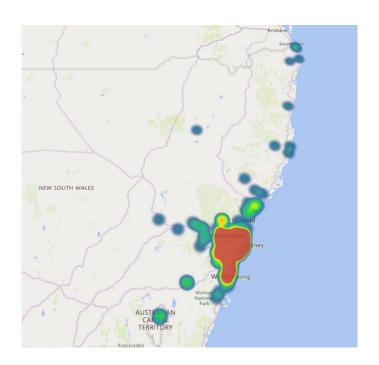


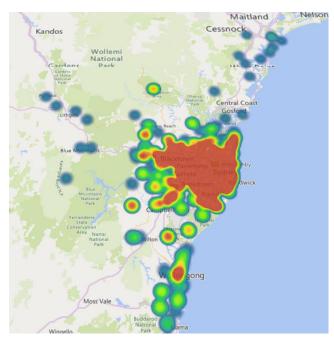
2022

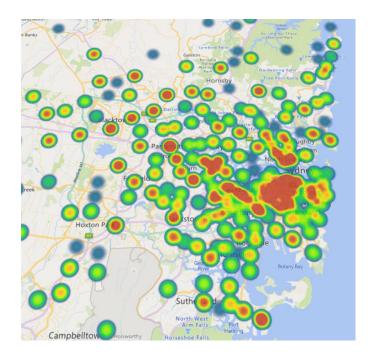


HEAT MAP

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





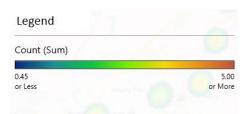


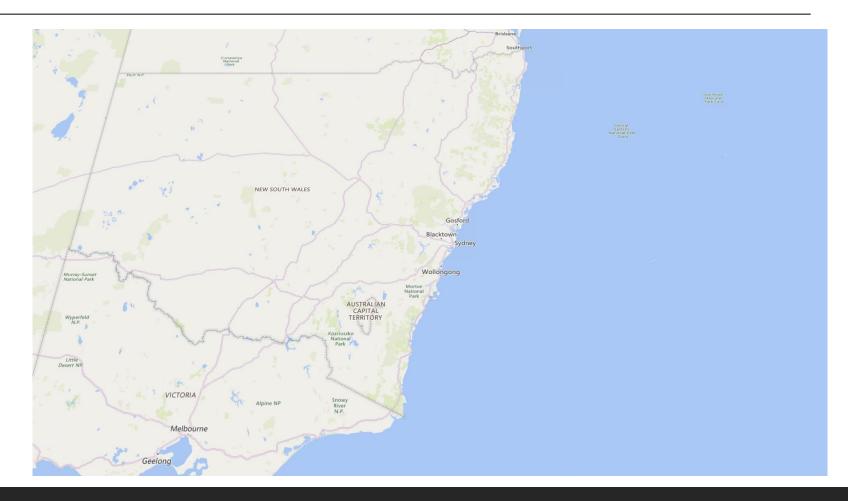
2022



HEAT MAP

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



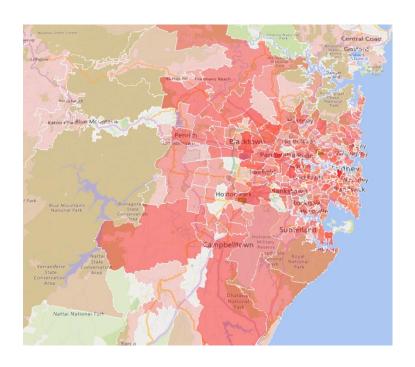


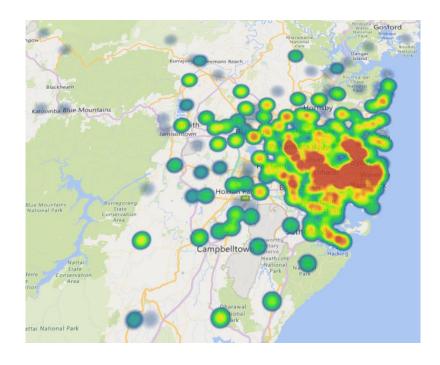
2022



REGION & HEAT MAP VIDEO

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





2022



POSTCODE COUNTS

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

2000 2150 2141 2008 2007 2018 2016 2021 2043 2148 2011 2009 2020 2023 2030 2047 2154 2060 2010 2022 2024 2033 2061 2204 2204 2065 2015 2026 2025 2041 2069 2230 2075 2017 2029 2027 2043 2071 2230 2075 2017 2029 2027 2043 2072 2230 2075 2017 2029 2029 2042 2031 2079 224 2231 2069 2048 2032 2073 2080 224 2134 2067 2064 2034 2081 2082 224 2140 2077 2074 2035 2106 2033 224 2142 2079 2082 2040 2132 2090 224 2153	11	10	7	6	5	4	3	2	1
2154 2060 2010 2022 2024 2033 2061 2204 2065 2015 2026 2025 2041 2069 2230 2075 2017 2029 2027 2043 2071 2089 2019 2038 2028 2044 2076 2072 2031 2049 2079 2131 2066 2048 2032 2073 2080 2134 2067 2064 2034 2081 2082 2136 2068 2072 2035 2106 2083 2140 2077 2074 2036 2121 2084 2142 2093 2087 2039 2125 2090 2147 2095 2088 2040 2139 2092 2153 2100 2099 2046 2162 2094 2155 2113 2101 2050 2178 2096 2164 2120 2102	2000	2150	2141	2008	2007	2018	2016	2021	2045
2204 2065 2015 2026 2025 2041 2069 2230 2075 2017 2029 2027 2043 2071 2089 2019 2038 2028 2044 2076 2127 2037 2042 2031 2049 2079 2131 2066 2048 2032 2073 2080 2134 2067 2064 2034 2081 2082 2136 2068 2072 2035 2106 2083 2140 2077 2074 2036 2121 2084 2142 2093 2087 2039 2125 2090 2147 2095 2088 2040 2139 2092 2153 2100 2099 2046 2162 2094 2155 2113 2101 2050 2178 2096 2164 2120 2122 2133 2036 2211 2105 2200 2126 2070 2222 2108 2138 2112 2086 2333 2123 2134 2114 2097 2555 2156 2145 2119 2109 2556 2159 2163 2130 2155 2159 2163 2130 2155 2159 2163 2130 2155 2159 2164 2120 2123 2115 2573 2167 2227 2133 2118 2749 2176 2212 2151 2128 2754 2177 2223 2152 2129 2767 2218 2223 2152 2129 2767 2218 2223 2152 2129 2767 2218 2223 2152 2129 2767 2218 2223 2152 2129 2767 2218 2223 2152 2129 2767 2218 2223 2152 2129 2767 2218 2223 2152 2129 2767 2218 2223 2152 2129 2767 2218 2223 2152 2129 2767 2218 2223 2152 2129 2767 2218 2223 2152 2129 2767 2218 2223 2152 2129 2767 2218 2223 2152 2129 2767 2218 2223 2152 2129 2767 2218 2223 2152 2159 2767 2218 2223 2152 2159 2767 2218 2223 2152 2159 2767 2218 2223 2152 2159 2767 2218 2223 2152 2159 2767 2218 2223 2152 2159 2767 2218 2223 2152 2159 2767 2218 2223 2152 2159 2767 2218 2223 2152 2159 2767 2218 2223 2152 2159 2767 2218 2223 2152 2159 2767 2218 2223 2152 2159 2767 2218 2223 2152 2159 2767 2218 2223 2752 2757 2758			2148	2011	2009	2020	2023	2030	2047
2230 2075 2017 2029 2027 2043 2071 2089 2019 2038 2028 2044 2076 2127 2037 2042 2031 2049 2079 2131 2066 2048 2032 2073 2080 2134 2067 2064 2034 2081 2082 2136 2068 2072 2035 2106 2083 2140 2077 2074 2036 2121 2084 2142 2093 2087 2039 2125 2090 2147 2095 2088 2040 2139 2092 2153 2100 2099 2046 2162 2094 2155 2113 2101 2050 2178 2096 2164 2120 2102 2062 2190 2104 2170 2122 2103 2063 2211 2105 2200 2126			2154	2060	2010	2022	2024	2033	2061
2089 2019 2038 2028 2044 2076 2127 2037 2042 2031 2049 2079 2131 2066 2048 2032 2073 2080 2134 2067 2064 2034 2081 2082 2136 2068 2072 2035 2106 2083 2140 2077 2074 2036 2121 2084 2142 2093 2087 2039 2125 2090 2147 2095 2088 2040 2139 2092 2153 2100 2099 2046 2162 2094 2155 2113 2101 2050 2178 2096 2164 2120 2102 2062 2190 2104 2170 2122 2103 2063 2211 2105 2200 2126 2107 2070 2222 2108 2137 2111 2085 2516 2110 2138 2112 2085 25516 2119 <td></td> <td></td> <td>2204</td> <td>2065</td> <td>2015</td> <td>2026</td> <td>2025</td> <td>2041</td> <td>2069</td>			2204	2065	2015	2026	2025	2041	2069
2127 2037 2042 2031 2049 2079 2131 2066 2048 2032 2073 2080 2134 2067 2064 2034 2081 2082 2136 2068 2072 2035 2106 2083 2140 2077 2074 2036 2121 2084 2142 2093 2087 2039 2125 2090 2147 2095 2088 2040 2139 2092 2153 2100 2099 2046 2162 2094 2155 2113 2101 2050 2178 2096 2164 2120 2102 2062 2190 2104 2170 2122 2103 2063 2211 2105 2104 2112 2162 2107 2070 2222 2108 2137 2111 2085 2516 2110 2138 2112 2086 2533 2123 2144 2114 2097 2555 2156			2230	2075	2017	2029	2027	2043	2071
2131 2066 2048 2032 2073 2080 2134 2067 2064 2034 2081 2082 2136 2068 2072 2035 2106 2083 2140 2077 2074 2036 2121 2084 2142 2093 2087 2039 2125 2090 2147 2095 2088 2040 2139 2092 2153 2100 2099 2046 2162 2094 2155 2113 2101 2050 2178 2096 2164 2120 2102 2062 2190 2104 2170 2122 2103 2063 2211 2105 2200 2126 2107 2070 2222 2108 2137 2111 2085 2516 2110 2138 2112 2086 2533 2123 2144 2114 2097 2555 2156 2145 2119 2109 2556 2159 2163				2089	2019	2038	2028	2044	2076
2134 2067 2064 2034 2081 2082 2136 2068 2072 2035 2106 2083 2140 2077 2074 2036 2121 2084 2142 2093 2087 2039 2125 2090 2147 2095 2088 2040 2139 2092 2153 2100 2099 2046 2162 2094 2155 2113 2101 2050 2178 2096 2164 2120 2102 2062 2190 2104 2170 2122 2103 2063 2211 2105 2200 2126 2107 2070 2222 2108 2137 2111 2085 2516 2110 2138 2112 2086 2533 2123 2144 2114 2097 2555 2156 2145 2119 2109 2556 2159 2163 2130 2115 2573 2167 2165 2132				2127	2037	2042	2031	2049	2079
2136 2068 2072 2035 2106 2083 2140 2077 2074 2036 2121 2084 2142 2093 2087 2039 2125 2090 2147 2095 2088 2040 2139 2092 2153 2100 2099 2046 2162 2094 2155 2113 2101 2050 2178 2096 2164 2120 2102 2062 2190 2104 2170 2122 2103 2063 2211 2105 2200 2126 2107 2070 2222 2108 2137 2111 2085 2516 2110 2138 2112 2086 2533 2123 2144 2114 2097 2555 2156 2145 2119 2109 2556 2159 2163 2130 2115 2573 2167 2165 2132 2116 2580 2174 2207 2133 2118				2131	2066	2048	2032	2073	2080
2140 2077 2074 2036 2121 2084 2142 2093 2087 2039 2125 2090 2147 2095 2088 2040 2139 2092 2153 2100 2099 2046 2162 2094 2155 2113 2101 2050 2178 2096 2164 2120 2102 2062 2190 2104 2170 2122 2103 2063 2211 2105 2200 2126 2107 2070 2222 2108 2137 2111 2085 2516 2110 2138 2112 2086 2533 2123 2144 2114 2097 2555 2156 2145 2119 2109 2556 2159 2163 2130 2115 2573 2167 2165 2132 2116 2580 2174 2207 2133 2118 2749 2176 2212 2151 2128 2754				2134	2067	2064	2034	2081	2082
2142 2093 2087 2039 2125 2090 2147 2095 2088 2040 2139 2092 2153 2100 2099 2046 2162 2094 2155 2113 2101 2050 2178 2096 2164 2120 2102 2062 2190 2104 2170 2122 2103 2063 2211 2105 2200 2126 2107 2070 2222 2108 2137 2111 2085 2516 2110 2138 2112 2086 2533 2123 2144 2114 2097 2555 2156 2145 2119 2109 2556 2159 2165 2132 2116 2580 2174 2207 2133 2118 2749 2176 2212 2151 2128 2754 2177 2223 2152 2129 2767 2218				2136	2068	2072	2035	2106	2083
2147 2095 2088 2040 2139 2092 2153 2100 2099 2046 2162 2094 2155 2113 2101 2050 2178 2096 2164 2120 2102 2062 2190 2104 2170 2122 2103 2063 2211 2105 2200 2126 2107 2070 2222 2108 2137 2111 2085 2516 2110 2138 2112 2086 2533 2123 2144 2114 2097 2555 2156 2145 2119 2109 2556 2159 2163 2130 2115 2573 2167 2165 2132 2116 2580 2174 2207 2133 2118 2749 2176 2212 2151 2128 2754 2177 2223 2152 2152 2129 2767 2218				2140	2077	2074	2036	2121	2084
2153 2100 2099 2046 2162 2094 2155 2113 2101 2050 2178 2096 2164 2120 2102 2062 2190 2104 2170 2122 2103 2063 2211 2105 2200 2126 2107 2070 2222 2108 2137 2111 2085 2516 2110 2138 2112 2086 2533 2123 2144 2114 2097 2555 2156 2145 2119 2109 2556 2159 2163 2130 2115 2573 2167 2165 2132 2116 2580 2174 2207 2133 2118 2749 2176 2212 2151 2128 2754 2177 2223 2152 2129 2767 2218 2215 2129 2767 2218 2215 2129 2767 2218 2215 2129 2767 2218 2215 2129 2767 2218 2215 2129 2767 2218 2215 2129 2767 2218 2215 2129 2767 2218 2215 2129 2767 2218 2215 2129 2767 2218 2215 2129 2767 2218 2215 2129 2767 2218 2215 2129 2767 2218 2754 2754 2755				2142	2093	2087	2039	2125	2090
2155 2113 2101 2050 2178 2096 2164 2120 2102 2062 2190 2104 2170 2122 2103 2063 2211 2105 2200 2126 2107 2070 2222 2108 2137 2111 2085 2516 2110 2138 2112 2086 2533 2123 2144 2114 2097 2555 2156 2145 2119 2109 2556 2159 2163 2130 2115 2573 2167 2165 2132 2116 2580 2174 2207 2133 2118 2749 2176 2212 2151 2128 2754 2177 2223 2152 2129 2767 2218				2147	2095	2088	2040	2139	2092
2164 2120 2102 2062 2190 2104 2170 2122 2103 2063 2211 2105 2200 2126 2107 2070 2222 2108 2137 2111 2085 2516 2110 2138 2112 2086 2533 2123 2144 2114 2097 2555 2156 2145 2119 2109 2556 2159 2163 2130 2115 2573 2167 2165 2132 2116 2580 2174 2207 2133 2118 2749 2176 2212 2151 2128 2754 2177 2223 2152 2129 2767 2218				2153	2100	2099	2046	2162	2094
2170 2122 2103 2063 2211 2105 2200 2126 2107 2070 2222 2108 2137 2111 2085 2516 2110 2138 2112 2086 2533 2123 2144 2114 2097 2555 2156 2145 2119 2109 2556 2159 2163 2130 2115 2573 2167 2165 2132 2116 2580 2174 2207 2133 2118 2749 2176 2212 2151 2128 2754 2177 2223 2152 2129 2767 2218				2155	2113	2101	2050	2178	2096
2200 2126 2107 2070 2222 2108 2137 2111 2085 2516 2110 2138 2112 2086 2533 2123 2144 2114 2097 2555 2156 2145 2119 2109 2556 2159 2163 2130 2115 2573 2167 2165 2132 2116 2580 2174 2207 2133 2118 2749 2176 2212 2151 2128 2754 2177 2223 2152 2129 2767 2218 2152 2129 2767 2218 22151 22151 2215				2164	2120	2102	2062	2190	2104
2137 2111 2085 2516 2110 2138 2112 2086 2533 2123 2144 2114 2097 2555 2156 2145 2119 2109 2556 2159 2163 2130 2115 2573 2167 2165 2132 2116 2580 2174 2207 2133 2118 2749 2176 2212 2151 2128 2754 2177 2223 2152 2129 2767 2218				2170	2122	2103	2063	2211	2105
2138 2112 2086 2533 2123 2144 2114 2097 2555 2156 2145 2119 2109 2556 2159 2163 2130 2115 2573 2167 2165 2132 2116 2580 2174 2207 2133 2118 2749 2176 2212 2151 2128 2754 2177 2223 2152 2129 2767 2218				2200	2126	2107	2070	2222	2108
2144 2114 2097 2555 2156 2145 2119 2109 2556 2159 2163 2130 2115 2573 2167 2165 2132 2116 2580 2174 2207 2133 2118 2749 2176 2212 2151 2128 2754 2177 2223 2152 2129 2767 2218					2137	2111	2085	2516	2110
2145 2119 2109 2556 2159 2163 2130 2115 2573 2167 2165 2132 2116 2580 2174 2207 2133 2118 2749 2176 2212 2151 2128 2754 2177 2223 2152 2129 2767 2218					2138	2112	2086	2533	2123
2163 2130 2115 2573 2167 2165 2132 2116 2580 2174 2207 2133 2118 2749 2176 2212 2151 2128 2754 2177 2223 2152 2129 2767 2218					2144	2114	2097	2555	2156
2165 2132 2116 2580 2174 2207 2133 2118 2749 2176 2212 2151 2128 2754 2177 2223 2152 2129 2767 2218					2145	2119	2109	2556	2159
2207 2133 2118 2749 2176 2212 2151 2128 2754 2177 2223 2152 2129 2767 2218					2163	2130	2115	2573	2167
2212 2151 2128 2754 2177 2223 2152 2129 2767 2218					2165	2132	2116	2580	2174
2223 2152 2129 2767 2218					2207	2133	2118	2749	2176
					2212	2151	2128	2754	2177
2229 2158 2135 2900 2227					2223	2152	2129	2767	2218
					2229	2158	2135	2900	2227

		· r		0.0	0. 0	0		
11	10	7	6	5	4	3	2	1
				2560	2171	2146		2251
				2570	2192	2157		2256
				2750	2196	2160		2263
				2753	2197	2166		2264
				2759	2199	2168		2265
				2760	2210	2173		2267
				2762	2216	2193		2280
				2765	2217	2194		2290
				2766	2224	2195		2299
					2228	2203		2300
					2500	2205		2308
					2508	2206		2311
					2565	2208		2320
					2566	2219		2323
					2567	2220		2324
					2747	2221		2380
					2756	2226		2444
					2768	2233		2445
					2770	2234		2446
						2519		2450
						2525		2480
						2527		2481
						2528		2485
						2530		2487
						2557		2502
						2558		2505
						2564		2506
						2745		2515

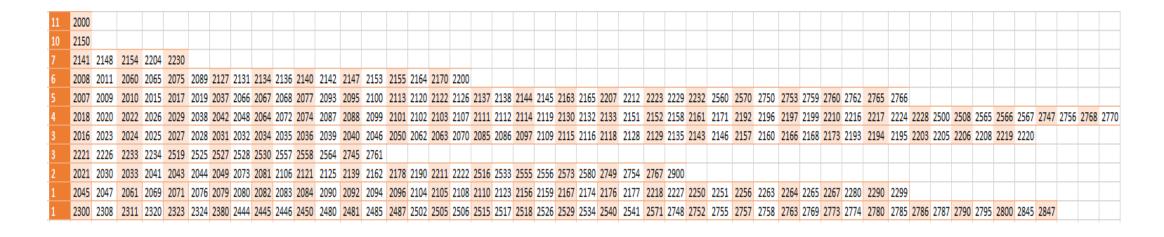
11	10	7	6	5	4	3	2	1
						276	1	2517
								2518
								2526
								2529
								2534
								2540
								2541
								2571
								2748
								2752
								2755
								2757
								2758
								2763
								2769
								2773
								2774
								2780
								2785
								2786
								2787
								2790
								2795
								2800
								2845
								2847

2022



POSTCODE COUNTS

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



2022



Lessons learnt and recommendations for 2023 & 2024 track surveys

- 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.



2022



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

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 <u>Monday 16th May 2022 to Sunday 22nd May 2022</u>.

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 31st May 2022, 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 7^{th} June 2022.

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 73 years of service to the waste management industry

The information contained in this email and any attachments is of a confidential nature and purely intended for the use of the addressee only. Please observe proper business protocols in the use and/or distribution of this information. If there are any problems with any aspect of this email and/or attachments please advise Waste Contractors and Recyclers Association of NSW on 0.29604 7206.

2022



Appendix 1
C&I Food Waste Recycling Collection
Survey sent to WCRA Members



	Comm	ercial & Industrial (C&I)
IASTE CONTRACTORS & ICYCLERS ASSOCIATION OF N.S.W	FOOD W	ASTE & RECYCLING SURVEY
		te recycling collection services through yearly analysis of a E WEEK = from Monday 16 th May to Sunday 22 nd May 2022.
N	lote: Do not incl	lude work that is subcontracted out
1. Does you	ır business provide Ci	&I food waste <u>recycling</u> collection services?
1	NO 🗆	YES 🗆
If NO, go	to question 5	If YES, go to question 2
	n services to during t	f premises your business provided a C&I food waste recycling the sample week? (only count premises services on multiple
Numbe	er of premises	
		of the premises your business provided a C&I food waste during the sample week.
Suburb	s or postcodes, s	separate by comma
		e on the road that were used for more than 10 hours in the te recycling services?
Numbe	er of trucks	
5. Does you landfilled		nixed putrescible C&I waste collection services which are
1	NO 🗆	YES 🗆
If NO, su	rvey finished	If YES, go to question 6
waste co		f premises your business provided a mixed putrescible C&I h was landfilled during the sample week? (only count premises e).
Numbe	er of premises	
II data collected	d will be anonymised	I & aggregated.

2022



Appendix 2

Interview with the waste contractors and recyclers

1. Thirty-minute interview and questions to be posed

As you are probably aware the NSW Government is requiring large food waste generating businesses to source separate food waste from 1 July 2025 and councils to provide FOGO collections to all households by 2030.

- How do you see these organics' mandates in relation to your business?
- What are your plans to meet the anticipated increased demand for collections?
 We are proposing a three-stage phasing in of the mandates, starting with the highest foodwaste generating business in 2025 with weekly residual volumes of plus 4,000 litres.
- Can you please estimate the number of your customers that will be captured by this requirement?

2022



Appendix 2

Interview with the waste contractors and recyclers

2. C& I survey data collection

The EPA, working with WCRA, has committed to member surveys, this year and for the next two years to gain a better understanding of how businesses are tracking organics source separation services, before the organics' mandates come in.

Data collection has been challenging, different systems and confidentiality, etc. Can you please provide feedback on:

• The level of interest among customers to move to source separated organics – the number of unsolicited enquires you generally receive requesting this type of service?

2022



Appendix 2

Interview with the waste contractors and recyclers

2. C& I survey data collection (cont'd)

- We want to track and measure progress towards the C & I mandate and identify gaps in service provision so we can target support. How feasible is it to set up reporting systems with you that would include:
 - Postcodes
 - Tonnes
 - The number of bins
 - ANZSIC code
- What might be the challenges? For example, the additional storage space required for additional bin types
- Are there any other thoughts from an industry perspective on how we track and measure growth?

2022



Appendix 2

Interview with the waste contractors and recyclers

3. Net Zero Emissions

What do you think about weight-based billing? From an EPA perspective,
 this would provide more accurate data on the volumes diverted



• As we are working towards carbon neutral emissions collectively, is there any plan for your business to improve carbon emissions and efficiency? If yes, in what areas of the business are there particular areas of support you might need from the NSW Government

2022



Appendix 2

Interview with the waste contractors and recyclers

4. On-going education

A clean stream is critical to reducing the frequency of contaminated loads having to go to landfill.

- In your understanding, what is the current level of contamination rate of commercial FO collection?
- What are the main contaminants? Is there variation in contamination from different business types?
- How can we better educate your consumers to avoid contamination?
- Is that something you would like to lead on?
- If the EPA developed resources for customers, would you distribute them?
- Are there branding/marketing considerations?
- Are there other ways we could incentivise customers to reduce contamination?
- Cost reductions/penalties etc?
- Who along the supply chain needs education?
- How could you see that happening?

2022



Appendix 2

Interview with the waste contractors and recyclers

5. In order to ensure a long-term high-quality product,

the NSW EPA released the household FOGO position statement stating that the FOGO and FO bins should

only be for food and garden waste. Have you:

- Received many inquiries or concerns from customers?
- Operational concerns about the position or other feedback?
- Thoughts on how can we best work together to tackle the packaging issue on FO bins?
- Current levels of contamination, the main contaminants, variation in contamination from different business types?

2022



Appendix 2

Interview with the waste contractors and recyclers

6. Final question

• What other ways can the EPA work with you to support your business to collect more commercial organics?



2022



Appendix 3

Interview with 5 WCRA Members (summary / feedback)

- WCRA engaged representatives from five food organics collection members to participate in online interviews on 18 October 2022.
- The purpose of the interview was to seek feedback and input on
 - ➤ Impact of the 2025 organic mandates
 - > Improving data collection to monitor the growth of C& I food organics collection services
 - > Tackling contamination
 - Addressing the issue of better access to processing sites and / or transfer stations
 - Any other feedback to EPA

2022



Appendix 3

Interview with 5 WCRA Members (summary / feedback)

Key summary of the interviews

Attitude towards the Food Organics (FO) source separation mandates:

- the mandates will drive FO collections and participants have plans to expand their FO services to support their customers
- > Space and cost for additional FO bins have been identified as barriers for food businesses in metropolitan areas
- Cost is the major driver to acquire changes in the C & I sector, and profitability is important for motivating recyclers to invest in FO services.
- ➤ Need more transfer stations accepting C&I food organics to bring down processor's operational costs and bring down the FO collection costs to make FO source separation more attractive/ affordable to food businesses.
- > the geographical location of new processing facilities and transfer stations is an important factor in minimising carbon emissions and operational costs.
- Need more organics processing facilities to meet the expected increased supply and competition could bring down the gate fee

2022



Appendix 3

Interview with 5 WCRA Members (summary / feedback)

- 1. C& I survey and monitoring FO collection progress in the C&I sector
- Customers have been requesting weight-based reports to measure their sustainability or carbon emission performance, but the industry feels the need to do more work, including improving the consistency and accuracy of the system, before implementing weight-based charges
- businesses are happy to discuss and support the EPA in the growth of the FO collections, providing there are no confidentiality concerns

2022



Appendix 3

Interview with 5 WCRA Members (summary / feedback)

2. Contamination/ Keep it clean

- Plastics/ plastic packaging, cutlery and glass are the major contaminants found in the organics outputs
- The EPA to work with the supply chains like packaging companies to reduce contamination when possible
- Contamination also happens at the loading dock or at kerbside. The ability to lock the bins once it leaves the site i.e. kitchen, is an effective strategy to prevent further contamination
- On-going education, including acceptable & unacceptable material to FO bins is essential, and passing down knowledge to employees from management is critical
- Financial incentives/penalties are effective to prevent contamination i.e. additional charges to landfill when bins are contaminated
- Keep the bin clean e.g. sanitizing the bin every time it is emptied and keep the FO bin in the kitchen
- Participants are happy to work with the EPA to educate their customers including the distribution of leaflets, bin stickers, and information on bills
- On-going face-to-face staff engagement is critical to managing the high turnover rate in hospitality
- Screening can be added to the processing equipment, onsite or at the facility, but small plastics from stickers on fruits, or butter and jam portion containers will be visible in the output

2022



Appendix 3

Interview with 5 WCRA Members (summary / feedback)

3. Feedback to the EPA

- Participants indicated an interest to expand their licensing or build transfer stations but need support from the EPA to avoid an unnecessary long approval process
- Emphasised the importance of working with the supply chains to minimize the contaminants like fruit stickers, packaging, and non-compostable packaging
- Investors are keen to invest but need assurance and support to simplify the licensing process and increase their chances of success, as well as an assurance that RROs, regulations and laws will not change. For example, MWOO & recovered fines
- ➤ A geographical approach is needed to support organics facilities establishment or transfer stations to reduce the cost and carbon emission from transporting FO to facilities. The new facility proposals are mostly located in Western Sydney
- Review the Resource Exemption framework and consider allowing minimal contamination like 0.005 for soil injection to agricultural land

2022



Appendix 3

Interview with 5 WCRA Members (summary / feedback)

The NSW EPA appreciates the participants' frank feedback. The EPA values the input from WCRA and its members and looks forward to continuing to work with WCRA in the 2023 and 2024 C& I surveys to monitor changes in the FO collection in the C& I sector.

The NSW EPA organics unit is available to assist WCRA members with information regarding the source separation mandates. Contact Sarah Chen at sarah.chen@epa.nsw.gov.au.

For information about the Resource Recovery Orders and Exemptions, visit https://www.epa.nsw.gov.au/your-environment/recycling-and-reuse/resource-recovery-framework/current-orders-and-exemption or email the EPA Regularity Practice & Environmental Solutions team at waste.exemptions@epa.nsw.gov.au